2018 Healthy Michigan Voices
Cohort II Survey Report

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University of Michigan
Institute for Healthcare Policy & Innovation

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Executive Summary

The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices (HMV)*.

This report presents findings from the 2018 *Healthy Michigan Voices* Cohort II Survey. Cohort II respondents were individuals who enrolled in HMP for the first time between January 2016 and January 2018. Previous HMV reports, including the Report on the 2016 HMV Enrollee Survey, focused on the experiences of respondents in Cohort I of the survey who enrolled in HMP for the first time between April 2014 and November 2015. Enrollees in Cohort II were younger than those in Cohort I, more likely to be employed and/or a student, and more likely to have insurance for some or all of the 12 months prior to HMP enrollment. Given that later enrollees are demographically different and may have different experiences from earlier enrollees, the current report examines the characteristics and experiences of individuals who first enrolled in HMP multiple years after implementation of the program.

Methods

Sampling was performed monthly, from January 2018 to December 2018. At the time of sample selection, enrollees had to meet the following inclusion criteria:
- No HMP enrollment prior to January 2016
- At least 12 months total HMP enrollment in fee for service (FFS) or managed care (MC)
- HMP enrollment (FFS or MC) in 10 of past 12 months
- HMP-MC enrollment in 9 of past 12 months
- HMP-MC in the month sampled
- Age between 19 years and 64 years 8 months
- Complete address, phone number, and federal poverty level (FPL) fields in the Data Warehouse
- Michigan address
- Preferred language of English, Arabic, or Spanish

In total, 2,602 enrollees completed the survey. The weighted response rate for the *Healthy Michigan Voices* Cohort II survey was 42.9%.

Descriptive statistics were generated for responses to all questions, with survey weights calculated and applied to adjust for the probability of selection, nonresponse, and other factors. Bivariate and multivariate analyses were also performed. Demographic characteristics, health-related characteristics, claims-based variables of utilization, and HRA completion were drawn from the state Data Warehouse for inclusion in bivariate and multivariate analyses.

Results

Demographics
- 18.8% of enrollees had incomes 100-133% FPL, while 54.6% had incomes 0-35% FPL.
- 49.2% of enrollees were women.
- 90.5% of enrollees had at least a high school diploma or equivalent.
- 7.1% of enrollees had lived four or more places in the past 3 years, and 8.0% had been homeless in the last 12 months.
- 16.3% sometimes, often, or always needed help reading instructions, pamphlets, or other written material from a doctor, pharmacy or health plan.
- 43.4% were uninsured for all 12 months prior to HMP enrollment.
- 26.9% of enrollees spent time caring for a person who could not care for themselves due to illness or disability in the past 12 months.

Employment
- 55.8% of enrollees were employed or self-employed.
- 29.7% of enrollees who were employed reported changing jobs in the last 12 months.
- Enrollees who were not employed most often reported being out of work (35.4%) or unable to work (33.1%); fewer reported being retired (9.3%), or not looking for work at this time (22.3%).

Perspectives on the impact of HMP on employment-related outcomes
- Among those who were employed, 76.6% reported that getting health insurance through HMP helped them do a better job at work.
- Among those who were employed and changed jobs in the last 12 months, 29.6% reported that having health insurance through HMP helped them get a better job.
- Among those who were out of work, 74.2% reported that having health insurance through HMP has made them better able to look for a job.

Caregiving and employment
- Among enrollees who were caregivers and employed or out of work, unable to work, or retired for less than one year, 37.3% went from working full-time to part-time or cut back their hours as a result of their caregiving responsibilities.

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

Current health status
- 75.7% of enrollees reported that their health was excellent, very good, or good; 19.1% reported that their health was fair, and 5.2% reported that their health was poor.

Chronic health conditions
- 67.5% of enrollees reported having at least one chronic condition.
- 29.8% of enrollees reported they had a chronic condition that was newly diagnosed since enrolling in HMP.

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Self-reported change in health
- Since enrolling in HMP, most enrollees reported their physical health had improved (48.0%) or stayed the same (46.2%), their mental health had improved (35.2%) or stayed the same (59.4%), and their oral health had improved (34.7%) or stayed the same (54.8%).

Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

Knowledge of HMP covered benefits
- The majority of enrollees knew that HMP covers prescription medications (92.6%), dental care (77.8%), counseling for mental or emotional problems (58.0%), eyeglasses (56.4%), and birth control or family planning (56.4%). Less than half knew that HMP covers substance use treatment (41.9%) and treatment to stop smoking (35.3%).

Experiences with MI Health Account
- 60.6% of enrollees recalled receiving a MI Health Account statement in the past year.
- Among enrollees who recalled receiving a MI Health Account statement in the past year, 81.1% strongly agreed or agreed that they carefully review each statement to see how much they owe, 82.0% strongly agreed or agreed that the statements help them be more aware of the cost of health care, and 33.0% strongly agreed or agreed that the information in the statement led them to change some of their health care decisions.

Knowledge of HMP cost-sharing requirements and healthy behavior rewards
- 66.5% of enrollees knew that some kinds of visits, tests, and medicines have no copays.
- 35.6% of enrollees thought they could be disenrolled from HMP for not paying their bill and 49.7% were unsure.
- 43.1% of enrollees were aware that there is a limit or maximum on the amount they might have to pay each year for HMP.
- 29.9% of enrollees said they knew they could get a reduction in the amount they have to pay if they complete a health risk assessment, while 60.0% said they did not know.

Perspectives on cost-sharing
- The majority of enrollees strongly agreed or agreed that the amount they have to pay for HMP overall seems fair (84.8%) and the amount they pay for HMP is affordable (87.1%).
- The majority of enrollees (86.0%) strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea.
- Less than half of enrollees (41.9%) strongly agreed or agreed that everyone should have to pay something for their health care.

Perspectives on HMP coverage
- 97.4% of enrollees strongly agreed or agreed that it is very important for them personally to have health insurance.
- Most enrollees strongly agreed or agreed that having HMP has taken a lot of stress off them (88.7%), that without HMP they would not be able to go to the doctor (81.6%) or the dentist (78.2%), and that they worry about not being able to get the health care they need if their HMP coverage ends (82.0%).

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Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

Forgone health care
- 23.9% of enrollees reported not getting the health care they needed in the 12 months prior to HMP enrollment. Among those who reported not getting the health care they needed prior to HMP enrollment:
  - The most commonly reported types of forgone health care were primary care (55.3%) and specialty care (27.8%).
  - The most commonly reported reason for not getting the health care they needed was not having health insurance (65.0%).
- 8.2% of enrollees reported not getting the health care they needed in the last 12 months while they were enrolled in HMP.

Forgone dental care
- 35.9% of enrollees reported not getting the dental care they needed in the 12 months prior to HMP enrollment. Among those, the most commonly reported reasons for not getting the dental care they needed prior to HMP enrollment were not having health insurance (63.3%) and needing a service that was not covered by their insurance (28.1%).
- 18.3% of enrollees reported not getting the dental care they needed in the last 12 months while they were enrolled in HMP. Among those, the most commonly reported reasons for not getting the dental care they needed in the last 12 months were perceiving that the service was not covered or would cost too much (34.1%) and difficulty/inability finding a provider (31.7%).

Changes in access to care
- Many enrollees reported greater ability to get prescription medications (61.4%), help staying healthy or preventing health problems (51.4%), primary care (51.2%), specialist care (47.7%), dental care (44.0%), mental health care (41.8%), cancer screening (38.9%), birth control/family planning services (38.7%), and substance use treatment services (31.8%) after enrolling in HMP compared to before they had HMP coverage.
- Enrollees who knew that the type of care was covered by HMP were more likely to report improved access to that type of care.

Out-of-pocket costs
- 36.0% of enrollees reported having problems paying medical bills in the 12 months prior to HMP enrollment. Of those, 85.4% felt that their problems paying bills have gotten better since enrolling in HMP.

Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

Health risk assessment (HRA)
- 43.4% of enrollees said they discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP. Of those, 88.3% chose to work

on at least one health behavior and the majority reported that completing the HRA somewhat or definitely helped their primary care provider better understand their health needs (88.0%), taught them something they didn't know about their health (63.3%), and motivated them to be more responsible for their health (91.0%).

Health behaviors and health education
- 34.4% of enrollees reported smoking or using tobacco in the last 30 days, of which 78.6% reported wanting to quit. Of these, 89.0% reported working on quitting or cutting back.

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

Regular source of care
- 74.7% of enrollees reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the 12 months prior to HMP enrollment. Of those, 51.7% said that place was a doctor's office, 20.5% an urgent care/walk-in clinic, 16.2% a clinic, and 9.5% reported the emergency room (ER).
- 91.7% of enrollees reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the last 12 months while they were enrolled in HMP. Of those, 64.5% said that place was a doctor's office, 19.9% a clinic, 10.3% an urgent care/walk-in clinic, and 4.2% reported the ER.
- 83.8% of enrollees reported having a primary care provider (PCP).

Primary care utilization
- 83.4% of enrollees who had a PCP reported seeing their PCP in the past 12 months while they were enrolled in HMP.
- Among those who reported not seeing their PCP in the past 12 months, the most common reason given was that they were healthy and did not need to see a provider (51.6%).

Preventive services utilization
- Based on Medicaid claims, 75.8% of enrollees had received at least one preventive service besides a primary care visit in a two-year time frame.
- The likelihood of having at least one preventive service was greater for those who:
  - Reported discussing the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP compared to those who did not
  - Reported having a PCP visit in the past 12 months compared to those who did not

Dental care utilization
- 54.0% of enrollees reported getting dental care in the last 12 months while they were enrolled in HMP.

Self-reported emergency room use
- 38.0% of enrollees reported going to the ER for care in the past 12 months. Of those, 21.3% tried to contact their usual provider's office before going to the ER.

Checking cost-sharing before seeking care
- 24.5% of enrollees reported checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care in the past 12 months.

Talking with doctor about treatment options and costs
- 19.1% of enrollees reported talking with a health care provider about how much health care services would cost them out-of-pocket.
- 21.3% of enrollees reported asking a provider to recommend a less costly prescription drug in the past 12 months.

Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

Expected duration of HMP enrollment
- Enrollees were asked how much longer they expected they would have insurance through HMP and most reported that they did not know (43.0%); 25.6% expected they would have insurance through HMP for more than 2 years, 12.5% said 1-2 years, 12.7% said 6 months to 1 year, and 6.3% said less than 6 months.
- Among those who expected they would continue having insurance through HMP for less than 2 years, the most common reasons why they expected their HMP insurance would end were expecting to get employer-sponsored insurance (37.8%) and expecting an income increase (22.8%).

Conclusions and Recommendations

While many enrollees were employed at the time of the survey, many face barriers to consistent employment such as health problems, functional limitations, caregiving, poor literacy, low educational attainment, and housing instability. HMP itself appears to facilitate employment/employability.

> *As the HMP community engagement requirement is implemented beginning in 2020, monitor and compare employment, health, and financial well-being for those who do and do not meet the requirement. Continue to follow the long-term impact of HMP on enrollees and their families.*

While three in four enrollees reported excellent, very good, or good health, two in three had at least one chronic condition. One in three enrollees said they had a chronic condition that was newly diagnosed since HMP enrollment. Since enrolling in HMP, most enrollees reported their physical health, mental health, and oral health had improved or stayed the same.

Most enrollees knew that HMP covers prescription medications, dental care, counseling for mental or emotional problems, eyeglasses, and birth control or family planning. Most did not know that HMP covers treatment for substance use and smoking cessation. Enrollees who reported needing help reading written materials were less likely to be aware of many covered benefits. Understanding of incentives for HRA completion remains low, as less than one in three knew they could get a reduction in the amount they have to pay if they complete a HRA. Most enrollees considered the amount they have to pay for HMP to be fair and affordable.

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Increase awareness of coverage for smoking cessation and treatment for substance use disorders, cost-sharing and financial incentives for healthy behaviors, with special attention/outreach to those who face challenges with mental health, literacy, or housing stability.

Nearly half of enrollees were uninsured for all 12 months prior to HMP, and many enrollees experienced forgone medical and dental care prior to HMP, usually due to lack of insurance coverage. Forgone care was much lower and perceived access much better in the last 12 months, especially for those who were uninsured prior to enrollment. In the 12 months before enrolling in HMP, one in three reported problems paying medical bills, and two-thirds of those had been contacted by a collections agency. Filing for bankruptcy was more likely for those with chronic conditions.

Enrollees were more likely to report having a regular source of care (of any kind) in the last 12 months compared to before HMP enrollment, and they were less likely to report the ER as their regular source of care. Still, about one in three reported an ER visit in the last 12 months, of which one in five tried to contact their usual provider first. Besides the seriousness of their symptoms, other reasons for ER visits included proximity, a history of ER care-seeking, and the need for after-hours care so as not to miss work or school. ER use was associated with having a chronic medical or mental health condition and/or substance use disorder.

Work with Medicaid health plans and the provider community to maintain or improve timely access to primary care appointments.

Cohort II enrollees appear to have embraced the emphasis in HMP on primary care and health promotion. Most enrollees reported visiting their PCP, although this was less likely for those who had full-time employment and those who had experienced homelessness. Over half of enrollees reported getting dental care in the past year. Over two in five enrollees said they discussed the HRA with their doctor or someone at their doctor's office since they enrolled in HMP. Enrollees who reported that they discussed the HRA were more likely to report engaging in healthy behaviors, and more likely to receive preventive services.

Continue the emphasis on prevention and health risk modification in HMP, which could have even greater impact over the long-term.

Introduction

The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices (HMV)*. This report presents findings from the 2018 *Healthy Michigan Voices* Cohort II Survey. Cohort II respondents were individuals who enrolled in HMP for the first time between January 2016 and January 2018. From January 2018 to January 2019, 2,602 individuals completed the 2018 HMV Cohort II Survey.

Previous HMV reports, including the Report on the 2016 HMV Enrollee Survey[1], focused on the experiences of respondents in Cohort I of the survey who enrolled in HMP for the first time between April 2014 and November 2015. Enrollees in Cohort II were younger than those in Cohort I, more likely to be employed and/or a student, and more likely to have insurance for some or all of the 12 months prior to HMP enrollment. Given that later enrollees are different demographically and may have different experiences than earlier enrollees, the current report examines the characteristics and experiences of individuals who first enrolled in HMP multiple years after implementation of the program.

Methods

Sampling plan

Sampling for the 2018 HMV Cohort II Survey was performed monthly, from January 2018 to December 2018. At the time of sample selection, enrollees had to meet the following inclusion criteria:
- No HMP enrollment prior to January 2016
- At least 12 months total HMP enrollment in fee for service (FFS) or managed care (MC)
- HMP enrollment (FFS or MC) in 10 of past 12 months
- HMP-MC enrollment in 9 of past 12 months
- HMP-MC in the month sampled
- Age between 19 years and 64 years 8 months
- Complete address, phone number, and federal poverty level (FPL) fields in the Data Warehouse
- Michigan address
- Preferred language of English, Arabic, or Spanish

Eligibility was determined independently for each month's sample, regardless of eligibility in prior months. Enrollees could be selected only once. Data extraction was performed via a secure Virtual Private Network (VPN) connection by a data analyst with specific approval from MDHHS for this purpose, using existing protocols that require two layers of password protection. Each month's sample was drawn to reflect the target sampling plan, proportional to

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[1] 2016 Healthy Michigan Voices Enrollee Survey Report

the overall population of HMP enrollees. The sampling plan was based on a combination of four grouped prosperity regions in the state (Upper Peninsula/North West/North East; West/East Central/East; South Central/South West/South East; Detroit) and three FPL categories (0-35%; 36-99%; ≥100%), resulting in 12 strata. To ensure adequate statistical power, small strata were oversampled, with a target of at least 2,500 completed surveys. The table below shows the target proportion of each stratum in our monthly sample.

Table 1. Target sampling rates by prosperity region and federal poverty level

	Prosperity Region				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
Federal Poverty Level					
0-35%	7.0%	12.0%	8.0%	12.8%	39.9%
36-99%	6.0%	10.5%	7.0%	11.2%	34.8%
≥100%	4.9%	7.5%	5.0%	8.0%	25.5%
Total	17.9%	30.0%	20.0%	32.0%	100.0%

The 2,602 respondents with complete survey data closely mirror the sampling plan:

Table 2. Characteristics of the 2,602 HMV Cohort II respondents

	Prosperity Region				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
Federal Poverty Level					
0-35%	198	287	186	289	960
	7.6%	11.0%	7.2%	11.1%	36.9%
36-99%	166	285	194	302	947
	6.4%	11.0%	7.5%	11.6%	36.4%
≥100%	154	198	143	200	695
	5.9%	7.6%	5.5%	7.7%	26.7%
Total N complete	518	770	523	791	2,602
Total % complete	19.9%	29.6%	20.1%	30.4%	100.0%

Survey administration

HMP enrollees selected for the 2018 HMV Cohort II enrollee survey sample were mailed an introductory packet that contained a letter explaining the survey, a brochure about the project, and a postage-paid postcard that could be used to indicate a preferred time/day for interview or refusal to participate. The letter provided a toll-free number and email address for enrollees who wished to indicate a preferred time/day for interview or refusal to participate. For introductory packets returned as undeliverable, the MDHHS Data Warehouse was queried for updated address information. For all sampled enrollees who did not refuse using postcard or email response, *Healthy Michigan Voices* interviewers placed phone calls to sampled enrollees between the hours of 9 am and 9 pm. Surveys were conducted in English, Arabic and Spanish; enrollees who could not speak one of those languages were ineligible for the survey. Responses were recorded using computer-assisted telephone interviewing software.

At the outset of the survey, enrollees were informed that their individual responses would be kept confidential; only aggregate data would be reported. They were also informed that completing the survey was voluntary and that they could skip questions if they wished. Enrollees were asked for permission to record the interview for quality assurance purposes; nearly all (2,549 of 2,602 respondents) agreed to be recorded. Those who completed the survey were mailed a $25 gift card to compensate them for their time and phone minutes devoted to completing the survey. The amount of time to complete the survey ranged from 14 to 82 minutes (median duration 23 minutes).

Survey design

The survey included established measures of demographics, health, access to care, and insurance status drawn from national surveys, including the National Health and Nutrition Exam Survey (NHANES),[2] the Health Tracking Household Survey (HTHS),[3] the National Health Interview Survey (NHIS),[4] the Behavioral Risk Factor Surveillance System (BRFSS[5] and MiBRFSS[6]), the Short Form Health Survey (SF-12),[7] the Food Attitudes and Behaviors Survey,[8] the Consumer Assessment of Healthcare Providers and Systems (CAHPS),[9] the Employee Benefit Research Institute Consumer Engagement in Healthcare Survey (CEHCS),[10] the Commonwealth Fund Health Care Quality Survey,[11] and the U.S. Census. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were drawn from 2016 and 2017 HMV surveys.[12, 13, 14]

Survey response characteristics

Overall, 8,350 HMP enrollees were sampled throughout the data collection period and contact was attempted for a telephone interview. We summarize the call results to sampled individuals briefly as follows:

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[2] NHANES (National Health and Nutrition Exam Survey, CDC)
[3] HTHS (Health Tracking Household Survey)
[4] NHIS (National Health Interview Survey, CDC)
[5] BRFSS (Behavioral Risk Factor Surveillance System, CDC)
[6] MiBRFSS (Michigan Behavioral Risk Factor Surveillance System, MDHHS)
[7] SF-12 (Short Form Health Survey, RAND)
[8] FAB (Food Attitudes and Behaviors Survey, NCI)
[9] CAHPS (Consumer Assessment of Healthcare Providers and Systems)
[10] Consumer Engagement in Health Care Survey (EBRI: CEHCS)
[11] Commonwealth Fund Health Care Quality Survey
[12] 2016 Healthy Michigan Voices Enrollee Survey Report
[13] 2017 Healthy Michigan Voices New Enrollee Survey Report
[14] 2017 Healthy Michigan Voices Follow-Up Survey Report

Table 3. Call results to sampled individuals

Description	n	Call Result
Total sample	8,350	
Contact never established		
1) Phone number not working	640	Nonworking number
2) Working but no contact made (e.g., left voicemail but never spoke with a person)	1,929	Unknown eligibility (UN)
Contact established		
3) Wrong number	483	Ineligible
4) Out of state, Deceased, Non-HMV language, Jail/Treatment facility	806	Ineligible
5) Refusal (by mail/phone)	769	Refusal (R)
6) Noncontact with enrollee (Spoke with person other than enrollee); Other nonresponse (Spoke with enrollee who did not complete the survey for reasons other than clear refusal)	1,090	Noncontact (NC), Other (O)
7) Full completion	2,602	Interview (I)
8) Partial completion	31	Partial Interview (P)

There are many ways to calculate response rates as outlined by the American Association for Public Opinion Research (AAPOR, 2016[15]). Response rate formula 3 defined below is one of the common formulas used, particularly for telephone surveys.

$$RR3 = \frac{I}{(I + P) + (R + NC + O) + e \times UN}$$

where e is an estimate eligibility rate for the cases for which we cannot ascertain eligibility and the rest are noted as "UN" in Table 1. One way to estimate e is to use our call results among those we established contacts. Categories 3) and 4) in Table 1 are deemed ineligible, making 5) through 8) eligible among all contacted. Hence,

$$e = \frac{769 + 1090 + 2602 + 31}{8350 - (483 + 806)} = 77.7(\%)$$

This means that the observed eligibility rate was 90.6% among the cases where we were able to ascertain eligibility. By applying e as estimated above, we obtain the following response rate:

$$RR3 = \frac{2602}{(2602 + 31) + (769 + 1090) + .777 \times 1929} = 43.4(\%)$$

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[15] The American Association for Public Opinion Research. 2016. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. 9th edition. AAPOR. Access from http://www.aapor.org/AAPOR_Main/media/publications/Standard-Definitions20169theditionfinal.pdf

The weighted response rate was calculated to ascertain the response rate that is not subject to the sample design. We used the selection weight (w_1 described shortly) to the RR3 formula and used weights applicable for known eligibility cases (w_3 described shortly) to e, the estimated eligibility rate. The results are as follows:

$$weighted\ e = 76.4(\%)$$
$$Weighted\ RR3 = 42.9(\%)$$

Thus, the weighted response rate for the 2018 *Healthy Michigan Voices* Cohort II survey was 42.9%.

In order to assess potential nonresponse bias, respondents (result code, "I", in Table 3) are compared to those who refused ("R"), were not contacted ("NC"), did not complete for other reasons ("O") or completed partially ("P") in Table 4 on age, gender, race/ethnicity, first month on HMP, income level and prosperity region from the Data Warehouse claims data. Technically speaking, nonrespondents include all eligible cases that did not participate ("R", "NC", "O" and "P") and a portion ("e") of unknown eligibility cases ("UN"). However, it is not possible to tease out the portion of unknown eligibility cases, so we considered those who did not participate as a proxy for nonrespondents and compare them to respondents. Further, in order to compensate for differential selection probabilities, nonworking telephone rates and ineligibility rates, this comparison used estimates weighted by w_4.

Overall, respondents and nonrespondents were not different with respect to race/ethnicity and the first month enrolled in HMP. However, nonrespondents were younger, more likely to be male, more likely to have income 0-35% of FPL, and more likely to be from the Detroit Metro area, compared to respondents.

Table 4. Comparison of characteristics of survey respondents and nonrespondents, unweighted

Characteristics	Respondents N=2,602 (%)	Nonrespondents N=1,890 (%)	*p* value
Age			
19-34	39.1	51.0	<0.001
35-50	26.2	24.8	
51-64	34.7	24.2	
Gender			
Female	56.8	42.8	<0.001
Male	43.2	57.2	
Race/Ethnicity			
Hispanic	4.2	3.4	0.152
Non-Hispanic White	62.1	61.2	
Non-Hispanic Black	22.1	21.5	
Non-Hispanic Other	11.6	14.0	

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First month on HMP			
January-June 2016	38.1	36.7	0.448
July-December 2016	28.2	30.1	
January or later 2017	33.6	33.2	
Income (% FPL)			
0-35% FPL	52.8	57.0	0.016
36-99% FPL	27.8	25.1	
100-133% FPL	19.4	18.0	
Prosperity Region			
Northern Michigan	9.9	7.9	<0.001
Central Michigan	28.3	25.4	
Southern Michigan	20.7	18.7	
Detroit Metro	41.1	48.0	

Weighting adjustment

Weights were calculated to adjust for the probability of selection (see Base Selection Weight), nonresponse bias (see Nonresponse Adjustment) and other adjustments (Nonworking Number adjustment, Unknown Eligibility adjustment, Known Eligibility adjustment). See Appendix D for more detail.

Analyses

We generated descriptive statistics for responses to all questions in the survey, and present the weighted percentages or means with 95% confidence intervals (CIs) in Appendix A. Weights were applied to the data to adjust for the probability of selection, nonresponse bias, and other adjustments (see Appendix D). The proportions included in this report reflect how the results we observed would apply to the eligible population of individuals who first enrolled in HMP January 2016 through January 2018 and who maintained HMP enrollment for at least 10 months in the year after initial enrollment. The number of individuals who responded to each survey question is noted in the tables in Appendix A. When N is less than 2,602, either some respondents missed that question or the question was part of a skip pattern and was therefore only asked of a subset of respondents based on their previous responses; don't know responses were treated as non-response if they accounted for less than 2% of the total responses to that question. Respondents who answered "not applicable" to survey questions were excluded from bivariate and multivariate analyses.

Additional characteristics were drawn from the state Data Warehouse for inclusion in bivariate and multivariate analyses:
- Demographic characteristics were drawn from Medicaid enrollment files at the time of sampling, and included age, gender, income level (% of FPL), and region.
- Health-related characteristics were generated from Medicaid administrative claims, extracted in April 2019, and represent two 12-month periods: Period 1 corresponds to 0-12 months prior to the month of sample selection, while Period 2 corresponds to the 13-24

months prior to sample selection. Analyses involving these variables combine data from both periods unless otherwise noted. Health-related variables derived from claims included evidence of eight chronic conditions (asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, and stroke), defined as ≥1 Medicaid claim with a diagnosis for that condition in the 24 months prior to survey sampling. Similar variables were created for evidence of a mental health condition and/or substance use disorder, defined as ≥1 Medicaid claim with a diagnosis of a mental health condition or substance use disorder in the 24 months prior to survey sampling.

- Claims-based utilization variables reflect the presence of claims for emergency department (ED) visits, inpatient stays, primary care visits, receipt of specific preventive services (e.g., cancer screening, vaccinations), tobacco cessation assistance, dental visits, and chronic disease care (e.g., statins for individuals with cardiovascular disease).
- Health Risk Assessment (HRA) completion was drawn from the HRA table in the Data Warehouse, differentiated for those who did vs. did not have a physician attestation.

A comparison of chronic conditions reported during the survey and those identified in Medicaid claims shows that 43% of respondents (unweighted) were identified as having a chronic condition both by self-report and from claims data, while another 20% had either a claim or self-reported a chronic health condition.

	Any claims for chronic condition*	No claims for chronic condition
Any self-reported chronic condition*	1,117 (42.9%)	269 (10.3%)
No self-reported chronic condition	258 (9.9%)	958 (36.8%)

*Includes asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, and stroke

Similarly, a comparison of mental health conditions and substance use disorders reported during the survey and those identified in Medicaid claims shows that 28% of respondents (unweighted) were identified both by self-report and claims as having a mental health condition or a substance use disorder, while 18% had only a claim, and 6% had only a self-reported condition.

	Any claims for mental health condition or substance use disorder	No claims for mental health condition or substance use disorder
Any self-reported mental health condition or substance use disorder	730 (28.1%)	145 (5.6%)
No self-reported mental health condition or substance use disorder	470 (18.1%)	1,257 (48.3%)

All analyses involving chronic conditions and mental health conditions are a composite of conditions reported in the survey and/or found in Medicaid claims. This may overestimate the proportion of respondents with chronic conditions, however using survey or claims alone would fail to identify some respondents with chronic conditions. Mental health conditions and substance use disorders were also identified by either survey self-report or presence of at least one Medicaid claim with a diagnosis fitting those conditions.

The full complement of survey questions and their bivariate associations are presented in Appendix A. Additional analyses were conducted to test for relationships or differences between selected variables and groups of interest, including analyses using claims data (see Appendix B). For all analyses of bivariate and multivariate relationships, the types of analysis, models, and specific tests are described in the table footnotes.

Appendix C provides definitions for all variables derived from Medicaid administrative data, as well as composite variables based on survey responses.

Results

This section includes key findings from descriptive and multivariate analyses. Many results are not reported in text; see Appendix A and B for detailed tables presenting results from all analyses.

Enrollee characteristics

Demographics

Nearly one in five enrollees (18.8%) had incomes 100-133% FPL, while more than half (54.6%) had incomes between 0-35% FPL (Appendix A Table 0.1). About half of enrollees (49.2%) were women (Appendix A Table 0.1). Few enrollees (7.1%) had lived four or more places in the past 3 years (housing instability) and 8.0% had been homeless in the last 12 months (Appendix A Table 0.1). The majority of enrollees (90.5%) had at least a high school diploma or equivalent (Appendix A Table 0.1). About one in six enrollees (16.3%) sometimes, often, or always needed help reading instructions, pamphlets, or other written material from a doctor, pharmacy or health plan (Appendix A Table 0.1).

Close to half of enrollees (43.4%) were uninsured for all 12 months prior to HMP enrollment (Appendix A Table 0.20). Being uninsured for all 12 months prior to HMP enrollment was more common among enrollees age 36-49 or age 50-64 compared to those age 19-35, among men compared to women, and among those with an income 0-35% FPL compared to those with higher

43% were uninsured the year prior to enrolling in HMP

incomes (Appendix A Table 0.20). Among those who reported having health insurance at any time in the 12 months prior to HMP enrollment, the most commonly reported types of
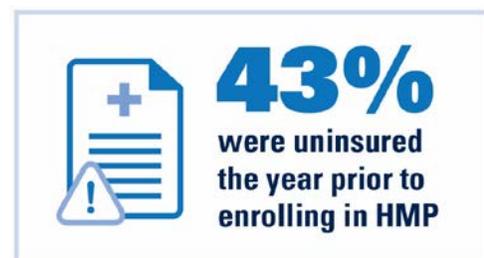
insurance* were Medicaid/MIChild/or other state program (40.4%), insurance provided through a job or union (38.3%), and insurance purchased by themselves or someone else (14.7%) (Appendix A Table 0.20.1). Among those who reported insurance purchased by themselves or someone else, 44.7% purchased the insurance on the HealthCare.gov website (Appendix A Table 0.20.1.2.1). Among those who purchased the insurance on the HealthCare.gov website, 66.1% reported receiving a subsidy (Appendix A Table 0.20.1.2.2).

One in four enrollees (26.9%) spent time caring for a person who could not care for themselves due to illness or disability in the past 12 months (Appendix A Table 0.9).

27% were caregivers

One in five enrollees (20.0%) were students (Appendix A Table 0.6). Enrollees who were employed were more likely than those who were not (22.8% vs. 16.4%) and those with excellent, very good, or good health status were more likely than those who had fair or poor health status (23.9% vs. 7.9%) to be students (Appendix B Table 0.3.1).

Being a student was less common among enrollees age 36-49 or age 50-64 compared to those age 19-35, among those with an income 100-133% FPL compared to those with an income 0-35% FPL, among those who experienced homelessness in the last 12 months compared to those who did not, and among those with a substance use disorder or both a mental health condition and a substance use disorder compared to those without these conditions (Appendix B Table 0.3.6).

Employment

Over half of enrollees (55.8%) were employed or self-employed (Appendix A Table 0.7). Those with a chronic condition (as defined above in the Methods section) were less likely than those without to be employed (49.1% vs. 65.8%) (Appendix A Table 0.7). Those with a mental health condition or both a mental health

63% were employed and/or a student

condition and a substance use disorder (as defined above in the Methods section) were less likely than those without these conditions to be employed (52.2% and 44.8%, respectively, vs. 61.2%) (Appendix A Table 0.7). Those age 50-64 were less likely than younger age groups to be employed, and more likely, if they were working, to be working part-time (Appendix A Tables 0.7-0.7.1).

Those who experienced homelessness in the last 12 months were less likely than those who did not to be employed (44.5% vs. 56.7%) (Appendix B Table 0.4.1). Employment was more common among enrollees who were caregivers compared to those who were not (60.6% vs. 54.0%) and among those with excellent, very good, or good health status compared to those with fair or poor health status (62.5% vs. 34.9%) (Appendix B Table 0.4.1).

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*Respondents were able to provide multiple responses to the survey question.

About one in three employed enrollees (29.7%) reported changing jobs in the last 12 months (Appendix A Table 0.7.2). Those age 19-35 were more likely than those age 36-49 or age 50-64 to report changing jobs in the last 12 months (35.9% vs. 21.3% and 19.2%, respectively) (Appendix A Table 0.7.2).

Enrollees who were not employed most often reported being out of work (35.4%) or unable to work (33.1%); fewer reported being retired (9.3%), or not looking for work at this time (22.3%) (Appendix A Table 0.7.3). Women were less likely than men to report being out of work (26.5% vs. 43.7%) and more likely to report not looking for work at this time (32.1% vs. 13.0%) (Appendix A Table 0.7.3). Those age 36-49 or age 50-64 were more likely than those age 19-35 to report being unable to work (Appendix A Table 0.7.3). Those with a chronic condition were more likely than those without to report being unable to work (45.1% vs. 6.1%) or retired (11.3% vs. 4.6%) and less likely to report being out of work (30.0% vs. 47.5%) or not looking for work (13.6% vs. 41.8%) (Appendix A Table 0.7.3). Enrollees with a mental health condition and those with both a mental health condition and a substance use disorder were more likely than those without these conditions to report being unable to work (Appendix A Table 0.7.3).

About half of enrollees out of work had been out of work for less than a year (48.2%), while most of those who reported being unable to work had been unable to work for one year or more (81.8%) (Appendix A Tables 0.7.3.1, 0.7.3.2). Most who reported being unable to work said that was due to poor health (65.2%) or disability (30.5%) (Appendix A Table 0.7.3.2.1).

Among enrollees who were employed and had not changed jobs in the last 12 months, 85.6% indicated that HMP gave them insurance when they could not get insurance through their job (Appendix A Table 0.10).

Among enrollees in school, employed with a job change in the last 12 months, or not looking for work at this time, 87.0% reported that having HMP helped them stay insured between jobs or between school and a job (Appendix A Table 0.12).

Perspectives on the impact of HMP on employment-related outcomes

Enrollees reported that HMP had a positive impact on their employment and job seeking ability:
- Among those who were employed, 76.6% reported that getting health insurance through HMP helped them do a better job at work (Appendix A Table 0.14). Enrollees who were non-Hispanic Black were less likely than other groups to report this (Appendix A Table 0.14). Enrollees who were caregivers were more likely than those who were not caregivers to report this (Appendix B Table 0.5.1). Enrollees who reported their physical health or mental health had gotten better since enrolling in HMP, and those who had a claim for an eye visit, were more likely to report that getting health insurance through HMP helped them do a better job at work (Appendix B Table 0.5.3).
- Among those who were employed and changed jobs in the last 12 months, 29.6% reported that having health insurance through HMP helped them get a better job (Appendix A Table 0.16). Enrollees who reported their physical health had gotten better since enrolling

in HMP were more likely than those without health improvement to report this (Appendix B Table 0.6.3).
- Among those who were out of work, 74.2% reported that having health insurance through HMP has made them better able to look for a job (Appendix A Table 0.18). Enrollees who reported their physical health had gotten better since enrolling in HMP were more likely than those without health improvement to report this (Appendix B Table 0.7.3).

Enrollees reported that HMP had a **positive impact on their employment and job seeking ability**.

	Yes	No	Don't know
HMP helped me get a better job[a]	30%	64%	6%
HMP made me better able to look for a job[b]	74%	19%	7%
HMP helped me do a better job at work[c]	77%	20%	3%
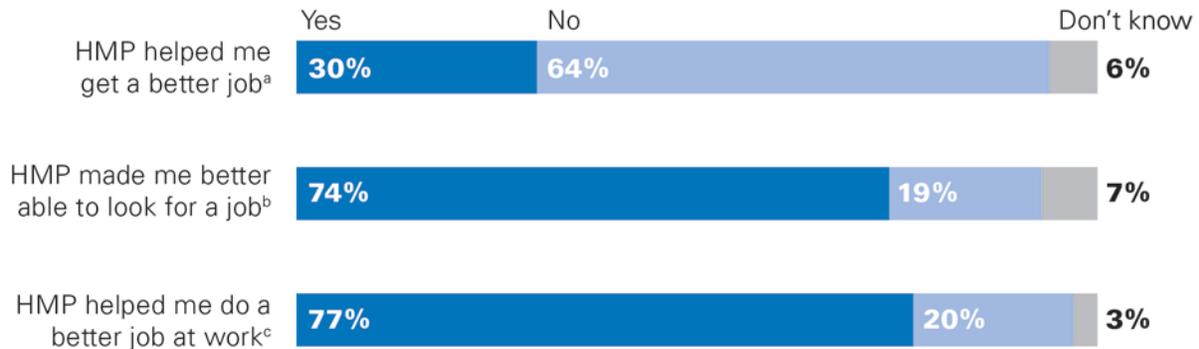
Notes: [a]Among those who were employed/self-employed who changed jobs in the last 12 months; [b]Among those who were out of work; [c]Among those who were employed/self-employed

Caregiving and employment

Enrollees who were caregivers and employed or out of work, unable to work, or retired for less than one year reported the following as a result of caring for a person who could not care for themselves due to illness or disability:
- 37.3% went from working full-time to part-time or cut back their hours (Appendix A Table 0.9.1).
- 18.0% received a warning about their performance or attendance at work (Appendix A Table 0.9.2).
- 8.3% lost their job benefits (Appendix A Table 0.9.3).
- 22.4% took a leave of absence from work; caregivers who were men were more likely than women to report taking a leave of absence from work (29.6% vs. 16.6%) (Appendix A Table 0.9.4).
- 12.7% gave up working entirely; caregivers with an income 0-35% FPL were more likely than those with an income 100-133% FPL to give up working (Appendix A Table 0.9.5).

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

Current health status

Three in four enrollees (75.7%) reported that their health was excellent, very good, or good; 19.1% reported that their health was fair, and 5.2% reported that their health was poor (Appendix A Table 1.1). Self-reported fair or poor health was more common among those age 36-49 (aOR=2.36) or age 50-64 (aOR=2.60) compared to those age 19-35, among enrollees who were non-Hispanic Black compared to those who were non-Hispanic White (aOR=1.72), and among those with a mental health condition (aOR=2.05) or both a mental health condition and a substance use disorder (aOR=4.20) compared to those without these conditions (Appendix B Table 1.1.2).

Number of days physical health not good

On average, enrollees reported 6.2 days in the past 30 days that their physical health was not good (Appendix A Table 1.2). Enrollees who reported forgone health care in the last 12 months reported more days in the past 30 days that their physical health was not good, compared to those who did not report forgone health care (11.3 vs. 5.7) (Appendix B Table 1.2.1). Enrollees who were unable to work reported the greatest mean number of days in the past 30 days that their physical health was not good, compared to those who were employed, out of work, retired, or not looking for work (Appendix B Table 1.2.2).

Number of days mental health not good

On average, enrollees reported 5.9 days in the past 30 days that their mental health was not good (Appendix A Table 1.4). Enrollees with an income 0-35% FPL reported more days in the past 30 days that their mental health was not good compared to those with an income 100-133% FPL (7.1 vs. 4.2,), as did enrollees who experienced homelessness in the last 12 months compared to those who did not (10.0 vs. 5.5) (Appendix A Table 1.4, Appendix B Table 1.4.1). Enrollees who reported forgone health care in the last 12 months reported more days in the past 30 days that their mental health was not good, compared to those who did not report forgone health care (10.4 vs. 5.5) (Appendix B Table 1.4.1). Enrollees who were unable to work reported the greatest mean number of days in the past 30 days that their mental health was not good, compared to those who were employed, out of work, retired, or not looking for work (Appendix B Table 1.4.2).

Number of days poor physical or mental health limited usual activities

On average, enrollees reported 5.0 days in the past 30 days that poor physical or mental health kept them from doing their usual activities (Appendix A Table 1.6). Those with an income 0-35% FPL reported more such days than those with incomes 36-99% FPL or 100-133% FPL (6.2 vs. 3.7 and 3.0, respectively) (Appendix A Table 1.6).

Number of days missed work due to illness or injury

Employed enrollees reported a mean number of 6.6 days they missed work due to illness or injury in the past 12 months (Appendix A Table 1.7). Mean number of days in the past 12

months of missed work due to illness or injury was greater for those with a chronic condition compared to those without (8.4 vs. 4.7) and for enrollees with a mental health condition or both a mental health condition and a substance abuse disorder compared to those without these conditions (9.3 and 11.8, respectively vs. 4.3) (Appendix A Table 1.7).

Chronic health conditions

More than two in three enrollees (67.5%) reported having at least one chronic condition (Appendix A Table 1.12.2). The most commonly reported chronic conditions* were mood disorder (32.0%), hypertension (25.5%), and arthritis or a related condition (20.1%); fewer enrollees reported having asthma (16.0%), diabetes (8.8%), or a heart condition or heart disease (8.5%) (Appendix A Table 1.12.1).

Nearly one in three enrollees (29.8%) reported they had a chronic condition that was newly diagnosed since enrolling in HMP (Appendix A Table 1.12.3). More than half of those who reported that their physical health got worse since HMP enrollment (55.0%), reported a new diagnosis since enrollment (Appendix B Table 1.8.1). Reporting a new diagnosis since enrollment was more common among enrollees age 50-64 compared to those age 19-35 (aOR=1.83), among those who reported seeing their primary care provider (PCP) in the past 12 months compared to those who did not (aOR=2.29), and among those who reported an emergency room (ER) visit in the past 12 months compared to those who did not (aOR=1.47) (Appendix B Table 1.8.3). Reporting a new diagnosis since enrollment was less common among enrollees who were insured some or all 12 months prior to HMP enrollment compared to those who were uninsured all 12 months (aOR=0.54) and among women compared to men (aOR=0.72) (Appendix B Table 1.8.3).

Self-reported change in health

Since enrolling in HMP, most enrollees reported their physical health had improved (48.0%) or stayed the same (46.2%), their mental health had improved (35.2%) or stayed the same (59.4%), and their oral health had improved (34.7%) or stayed the same (54.8%) (Appendix A Tables 1.3, 1.5, 1.8).

Many enrollees reported that their **health improved** since enrolling in HMP.

48% physical health got better

35% mental health got better

35% dental health got better

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*Respondents were able to provide multiple responses to the survey question.

Enrollees were more likely to report their physical health status got better since enrolling in HMP if they were uninsured all 12 months prior to HMP, reported a PCP visit in the last 12 months, reported improved ability to get any type of care, or reported forgoing health care in the 12 months prior to HMP but not in the last 12 months while they were on HMP (Appendix B Table 1.3.3). Enrollees from the S Central/SW/SE (aOR=1.49) region were more likely than those in the UP/NW/NE region to report their physical health status got better since HMP enrollment (Appendix B Table 1.3.3).

Enrollees were more likely to report their mental health status got better since enrolling in HMP if they reported forgoing health care in the 12 months prior to HMP but not in the last 12 months while they were on HMP (aOR=1.80) or if they reported improved ability to get any type of care (aOR=2.11) (Appendix B Table 1.5.3). Enrollees with a mental health condition were twice as likely to report that their mental health status got better since enrolling in HMP compared to those without a mental health condition or substance use disorder (aOR=2.03) (Appendix B Table 1.5.3).

Enrollees were more likely to report their oral health status got better since enrolling in HMP if they reported forgoing dental care in the 12 months prior to HMP but not in the last 12 months while they were on HMP (aOR=3.66), reported improved ability to get any type of care (aOR=3.29), had a preventive dental visit (aOR=2.35), and if they had any other dental visit (aOR=3.15) (Appendix B Table 1.6.3).

Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

Knowledge of HMP covered benefits

The majority of enrollees knew that HMP covers prescription medications (92.6%), dental care (77.8%), counseling for mental or emotional problems (58.0%), eyeglasses (56.4%), and birth control or family planning (56.4%) (Appendix A Tables 2.1-2.3, 2.5, 2.6). Less than half knew that HMP covers substance use treatment (41.9%) and treatment to stop smoking (35.3%) (Appendix A Tables 2.4, 2.7). Women were more likely than men to know that HMP covers eyeglasses, prescription medications, and birth control or family planning (Appendix A Tables 2.1, 2.2, 2.5).

Enrollees who sometimes, often, or always need help reading written materials were less likely to know that HMP covers prescription medications (89.5% vs. 93.2%; aOR=0.58), treatment to stop smoking (27.2% vs. 36.8%; aOR=0.60), birth control/family planning (46.4% vs. 58.3%; aOR=0.72), and substance use treatment (33.3% vs. 43.6%; aOR=0.60), compared to enrollees who never or rarely need help reading written materials (Appendix B Tables 2.2.1–2.7.2).

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There are gaps in enrollees' **knowledge of some HMP covered benefits**.

	Covered	Don't know	Not covered
treatment to stop smoking	35%	57%	7%
substance use treatment	42%	54%	4%
birth control or family planning	56%	40%	3%
counseling for mental or emotional problems	58%	39%	3%
eyeglasses	56%	35%	9%
routine dental care	78%	16%	6%
prescription medications	93%	6%	2%

Note: Percentages may not add to 100 due to rounding

Experiences with MI Health Account

More than half of enrollees (60.6%) recalled receiving a MI Health Account statement in the past year (Appendix A Table 2.12). Compared to those age 19-35, reporting receipt of a MI Health Account statement was more common among enrollees age 36-49 (68.7% vs. 49.9%, aOR=2.25) or 50-64 (75.0% vs. 49.9%, aOR=2.94). Enrollees with an income 100-133% FPL were more likely to recall receiving a MI Health Account statement than those with an income 0-35% FPL (68.3% vs. 58.0%, aOR=1.57), as were those with a bachelor's or post-graduate degree (69.0% vs. 56.2%, aOR=1.65), or an associate's degree or some college (63.3% vs. 56.2%, aOR=1.43), compared to those whose highest level of education was high school or less (Appendix A Table 2.12, Appendix B Tables 2.11.1, 2.11.2).

Among enrollees who recalled receiving a MI Health Account statement in the past year, 81.1% strongly agreed or agreed that they carefully review each statement to see how much they owe (Appendix A Table 2.12.1). Careful review of each MI Health Account statement was more common among enrollees with excellent, very good, or good health status compared to those with fair or poor health status (82.9% vs. 75.8%, aOR=1.82), among enrollees age 50-64 compared to those age 19-35 (86.7% vs. 77.8%, aOR=2.20), and among women compared to men (24.4% vs. 18.3%, aOR=1.55) (Appendix A Table 2.12.1, Appendix B Tables 2.12.1, 2.12.2).

The majority of enrollees (82.0%) who recalled receiving a MI Health Account statement in the past year strongly agreed or agreed that the statements help them be more aware of the cost of health care (Appendix A Table 2.12.2). Agreeing or strongly agreeing that MI Health Account statements helped them be aware of health care costs was less common among people who had been insured for some or all of the 12 months before HMP enrollment compared to those who

had been uninsured for the 12 months before HMP (79.2% vs. 85.7%, aOR=0.66) and among those with a bachelor's or post-graduate degree compared to those whose highest level of education was high school or less (76.4% vs. 86.0%, aOR=0.63) (Appendix B Tables 2.13.1, 2.13.3).

One in three enrollees (33.0%) who recalled receiving a MI Health Account statement in the past year strongly agreed or agreed that the information in the statement led them to change some of their health care decisions (Appendix A Table 2.12.3). Agreeing or strongly agreeing that MI Health Account statements led them to change health care decisions was more common among enrollees who sometimes, often, or always need help reading written materials compared to those who never or rarely need help reading written materials (46.8% vs. 30.5%, aOR=1.78) and among enrollees who were non-Hispanic Black compared to those who were non-Hispanic White (41.9% vs. 30.6%, aOR=1.68), and less common among enrollees with a bachelor's or post-graduate degree compared to those whose highest level of education was high school or less (15.0% vs. 39.5%, aOR=0.33) (Appendix A Table 2.12.3, Appendix B Tables 2.14.1, 2.14.3).

Knowledge of HMP cost-sharing requirements and healthy behavior rewards

Less than half of enrollees (43.1%) were aware that there is a limit or maximum on the amount they might have to pay each year for HMP (Appendix A Table 2.15).

Less than one in three enrollees (29.9%) said they knew they could get a reduction in the amount they have to pay if they complete a health risk assessment, while 60.0% said they did not know (Appendix A Table 2.9). Awareness of getting a payment reduction for completing the HRA was greater among those who recalled receiving a MI Health Account statement in the past year compared to those who did not (34.7% vs. 22.6%, aOR=1.66) and among those who discussed the HRA with a provider since they enrolled in HMP compared to those who did not (35.5% vs. 25.6%, aOR=1.60) (Appendix B Tables 2.9.1, 2.9.2). Awareness of getting a payment reduction for completing the HRA was greater among men compared to women (33.3% vs. 26.3%), among those from the UP/NW/NE region compared to other regions, among those with an income 100-133% FPL compared to those with an income 0-35% FPL (37.7% vs. 27.8%, aOR=1.56), and among those with a bachelor's or post-graduate degree compared to those whose highest level of education was high school or less (39.0% vs. 28.6%, aOR=1.50) (Appendix A Table 2.9, Appendix B Tables 2.9.1, 2.9.2).

Two in three enrollees (66.5%) were aware that some kinds of visits, tests, and medicines have no copays (Appendix A Table 2.10). Awareness that some visits, tests, and medicines have no copays was higher among enrollees who recalled receiving a MI Health Account statement in the past year compared to those who did not (75.9% vs. 52.3%, aOR=2.34), among enrollees with a mental health condition compared to those without a mental health condition or substance use disorder (73.6% vs. 61.6%, aOR=1.44), and among those with a bachelor's or post-graduate degree (76.7% vs. 61.5%, aOR=1.89) or an associate's degree or some college (69.6% vs. 61.5%, aOR=1.42) compared to those whose highest level of education was high school or less (Appendix A Table 2.10, Appendix B Tables 2.10.1, 2.10.2).

Enrollees were unaware of some **HMP cost-sharing policies**.

	Correct*	Incorrect	Don't know
I could be dropped from HMP for not paying my bill**	15%	36%	50%
I may get a reduction in the amount I might have to pay if I complete an HRA	30%	10%	60%
Some kinds of visits, tests, and medicines have no copays	67%	7%	27%
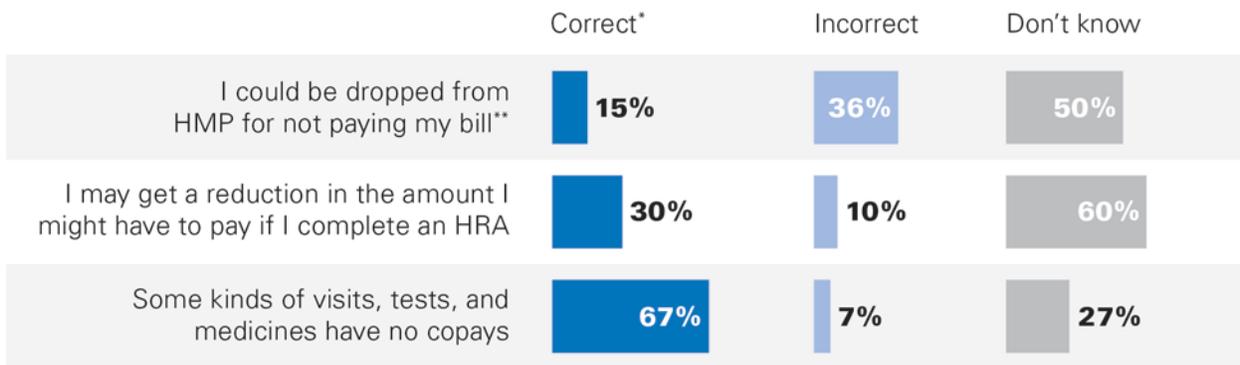
Notes: *Percent of enrollees who reported the correct answer; **Statement is untrue, so those who responded "yes" were considered incorrect; Percentages may not add to 100 due to rounding

More than one in three enrollees (35.6%) erroneously thought they could be disenrolled from HMP for not paying their bill and half (49.7%) were unsure (Appendix A Table 2.8). Those with an income 100-133% FPL were more likely than those with an income 0-35% FPL to believe they could be disenrolled for this reason (Appendix A Table 2.8).

There was no association between overall knowledge of HMP covered benefits and costs and forgone health care in the last 12 months (Appendix B Table 2.17).

Perspectives on cost-sharing

The majority of enrollees strongly agreed or agreed that the amount they have to pay for HMP overall seems fair (84.8%) and the amount they pay for HMP is affordable (87.1%) (Appendix A Tables 2.13, 2.14).

Agreement that the amount they have to pay for HMP seems fair was more common among enrollees whose health status was excellent, very good, or good compared to those whose health status was fair or poor (85.8% vs. 81.6%, aOR=1.81) and among those who carefully review their MI Health Account statements compared to those who do not (92.7% vs. 79.1%, aOR=3.34); and less common among enrollees with an income 100-133% FPL compared to those with an income 0-35% FPL (78.9% vs. 86.9%, aOR=0.39) (Appendix A Table 2.13, Appendix B Tables 2.15.1, 2.15.3).

Agreement that the amount they have to pay for HMP is affordable was more common among enrollees who carefully review their MI Health Account statements compared to those who do not (94.3% vs. 80.6%, aOR=4.24), and among enrollees with a bachelor's or post-graduate degree (91.7% vs. 84.7%, aOR=2.32) or an associate's degree or some college (88.5% vs. 84.7%, aOR=2.39) compared to those whose highest level of education was high school or less; and less common among enrollees with an income 100-133% FPL compared to those with an income 0-35% FPL (82.6% vs. 88.0%, aOR=0.44) (Appendix A Table 2.14, Appendix B Tables 2.16.1, 2.16.3).

The majority of enrollees (86.0%) strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea (Appendix A Table 2.28). Less than half of enrollees (41.9%) strongly agreed or agreed that everyone should have to pay something for their health care (Appendix A Table 2.29).

Perspectives on HMP coverage

The majority of enrollees (97.4%) strongly agreed or agreed that it is very important for them personally to have health insurance (Appendix A Table 2.27). Most enrollees strongly agreed or agreed that having HMP has taken a lot of stress off them (88.7%), that without HMP they would not be able to go to the doctor (81.6%) or the dentist (78.2%), and that they worry about not being able to get the health care they need if their HMP coverage ends (82.0%) (Appendix A Tables 2.16-2.19).

Questions or problems using HMP

One in six enrollees (17.0%) reported that they had questions or problems using their HMP coverage since they enrolled (Appendix A Table 2.20). Among those who had questions or problems, the most commonly reported challenges* included: difficulty/inability finding a provider (43.3%), needing a service that was too expensive or not covered (35.0%), and difficulty finding out information about HMP (15.0%) (Appendix A Table 2.21.1).

Perspectives on the Medicaid program

About half of enrollees (51.2%) strongly agreed or agreed that doctors treat people on Medicaid the same as people with private insurance, while 27.8% disagreed or strongly disagreed (Appendix A Table 2.22). Most enrollees (88.1%) strongly agreed or agreed that Medicaid helps people get a "leg-up" when they really need it (Appendix A Table 2.23). Less than half of enrollees (46.1%) strongly agreed or agreed that many people on Medicaid do not want other people to know (Appendix A Table 2.24). About half of enrollees (52.9%) strongly agreed or agreed that a lot of people in this country do not respect those on Medicaid (Appendix A Table 2.25).

Most enrollees (68.1%) disagreed or strongly disagreed that there should be a limit on how long someone can be covered by Medicaid (Appendix A Table 2.26).

Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

Forgone health care

About one in four enrollees (23.9%) reported not getting the health care they needed in the 12 months prior to HMP enrollment (Appendix A Table 3.1). Among enrollees who reported not getting the health care they needed prior to HMP enrollment:

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*Respondents were able to provide multiple responses to the survey question.

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- The most commonly reported types of forgone health care* were primary care (55.3%) and specialty care (27.8%); prescription medications was mentioned by 20.8% and mental health care by 6.3% (Appendix A Table 3.1.1).
- The most commonly reported reason for not getting the health care they needed* was not having health insurance (65.0%); 21.3% reported needing a service that was not covered by their insurance and 7.0% reported difficulty getting an appointment (Appendix A Table 3.1.2).

Few enrollees (8.2%) reported not getting the health care they needed in the last 12 months while they were enrolled in HMP (Appendix A Table 3.2). Reporting forgone health care in the last 12 months was more common among enrollees with a mental health condition (aOR=1.83) or a substance use disorder (aOR=3.78) compared to those without a mental health condition or substance use disorder, and among those who reported forgoing health care in the 12 months prior to HMP enrollment compared to those who did not (aOR=1.94) (Appendix B Table 3.1.3). Enrollees with excellent, very good, or good health status were less likely than those with fair or poor health status to report forgoing health care in the last 12 months (aOR=0.35) (Appendix B Table 3.1.3).

Fewer enrollees reported **forgoing health care** after enrolling in HMP.
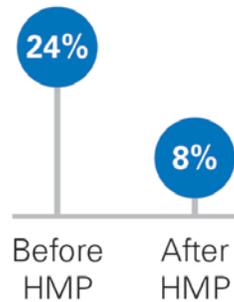
24%

8%

Before   After
HMP   HMP

Among enrollees who reported not getting the health care they needed in the last 12 months while they were enrolled in HMP:
- The most commonly reported types of forgone health care* were primary care (35.7%) and specialty care (31.2%); prescription medications were mentioned by 18.4% and mental health care by 10.2% (Appendix A Table 3.2.1).
- The most commonly reported reason for not getting the health care they needed* was perceiving that the service was not covered or would cost too much (25.7%); 25.1% reported difficulty/inability finding a provider, 12.9% reported difficulty getting an appointment, and 30.8% reported other reasons (Appendix A Table 3.2.2).

One in five enrollees (19.7%) reported forgoing health care in the 12 months prior to HMP but not in the last 12 months while they were on HMP (Appendix A Table 3.2.3). This improvement

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*Respondents were able to provide multiple responses to the survey question.

in forgone health care was more likely among enrollees age 50-64 compared to those age 19-35, among those with a chronic condition compared to those without, and among those with a mental health condition or both a mental health condition and a substance use disorder compared to those without these conditions (Appendix A Table 3.2.3).

Forgone dental care

More than one in three enrollees (35.9%) reported not getting the dental care they needed in the 12 months prior to HMP enrollment (Appendix A Table 3.3). Enrollees with a chronic condition compared to those without, and those a mental health condition or both a mental health condition and a substance use disorder compared to those without these conditions, were more likely to report forgoing dental care prior to HMP enrollment (Appendix A Table 3.3). Among enrollees who reported not getting the dental care they needed prior to HMP enrollment, the most commonly reported reasons for not getting the dental care they needed* were not having health insurance (63.3%) and needing a service that was not covered by their insurance (28.1%); 5.8% reported difficulty/inability finding a provider (Appendix A Table 3.3.1).

About one in five enrollees (18.3%) reported not getting the dental care they needed in the last 12 months while enrolled in HMP (Appendix A Table 3.4). Forgoing dental care in the last 12 months was less common among enrollees who knew that HMP covers routine dental care compared to those who did not (aOR=0.39), and more common among those who reported forgoing dental care in the 12 months prior to HMP enrollment compared to those who did not (aOR=2.98) (Appendix B Table 3.2.3). Forgoing dental care in the last 12 months also was more common among enrollees with a bachelor's or post-graduate degree (aOR=2.08) or an associate's degree or some college (aOR= 1.65) compared to those whose highest level of education was high school or less, and among enrollees who were non-Hispanic Black (aOR=0.43) or non-Hispanic Other ethnicity (aOR=0.43) compared to those who were non-Hispanic White (Appendix B Table 3.2.3).

Fewer enrollees reported **forgoing dental care** after enrolling in HMP.
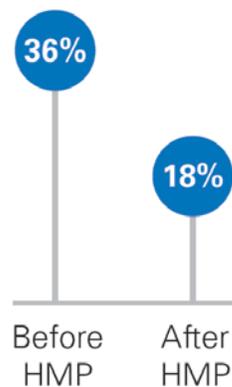
36%
18%

Before HMP
After HMP

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*Respondents were able to provide multiple responses to the survey question.

Among enrollees who reported not getting the dental care they needed in the last 12 months while enrolled in HMP, the most commonly reported reasons for not getting the dental care they needed* were perceiving that the service was not covered or would cost too much (34.1%) and difficulty/inability finding a provider (31.7%); 11.2% said they didn't realize HMP provides coverage for dental care (Appendix A Table 3.4.1).

One in four enrollees (24.1%) reported forgoing dental care in the 12 months prior to HMP but not in the last 12 months while they were on HMP (Appendix A Table 3.4.2). This improvement in forgone dental care was more likely among enrollees age 36-49 compared to those age 19-35 and among those with a mental health condition compared to those without a mental health condition or substance use disorder (Appendix A Table 3.4.2).

Changes in access to care

Many enrollees reported greater ability to get prescription medications (61.4%), help staying healthy or preventing health problems (51.4%), primary care (51.2%), specialist care (47.7%), dental care (44.0%), mental health care (41.8%), cancer screening (38.9%), birth control/family planning services (38.7%), and substance use treatment services (31.8%) after enrolling in HMP compared to before they had HMP coverage (Appendix A Tables 3.5, 3.7, 3.9, 3.11, 3.13, 3.15, 3.17, 3.19, 3.21). About three in four enrollees (74.6%) reported improved ability to get one or more types of care (Appendix A Table 3.23).

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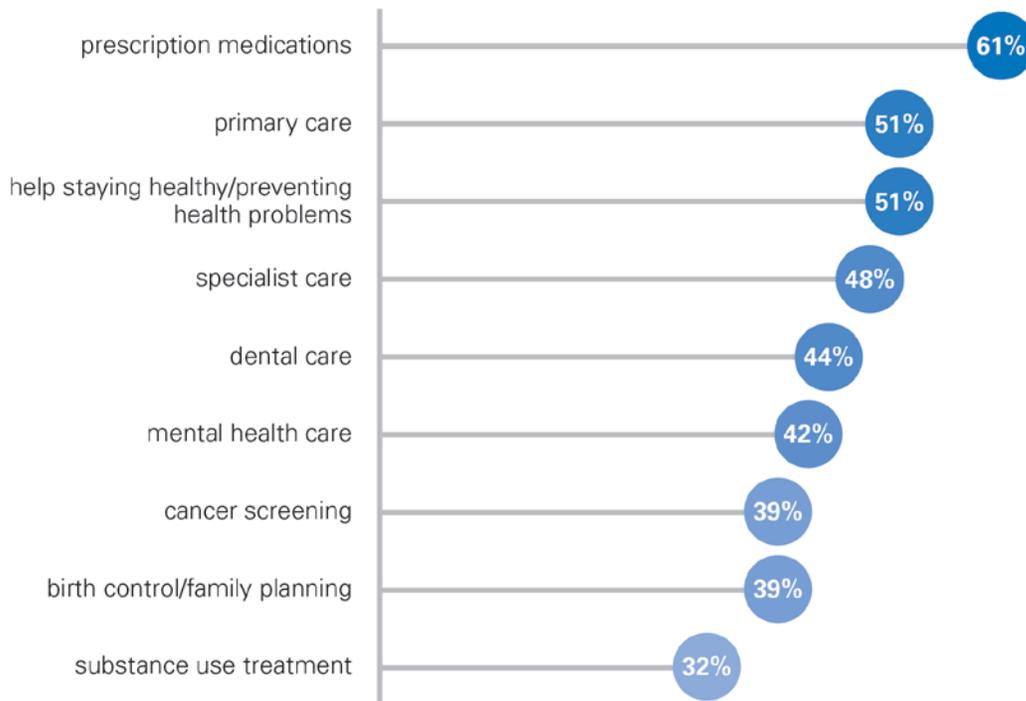
*Respondents were able to provide multiple responses to the survey question.

For all types of care, enrollees who were uninsured all 12 months prior to HMP enrollment were more likely than those who were insured for some or all 12 months prior to HMP enrollment, and enrollees who reported forgoing health care in the 12 months prior to HMP enrollment were more likely than those who did not to report improved access to care (Appendix B Tables 3.3.2-3.11.2).

Enrollees who knew that the type of care was covered by HMP were also more likely to report improved access to that type of care (Appendix B Tables 3.5.2, 3.6.2, 3.7.2, 3.8.2, 3.11.2).

Those who knew that some kinds of visits, tests, and medicines have no copays were more likely to report improved access to cancer screening (aOR=1.53), birth control/family planning services (aOR=1.53), and help staying healthy or preventing health problems (aOR=1.39) (Appendix B Tables 3.9.2, 3.10.2, 3.11.2).

Enrollees whose highest level of education was high school or less compared to those with a bachelor's or post-graduate degree were more likely to report improved access to primary care, dental care, substance use treatment, and help staying healthy or preventing health problems (Appendix B Tables, 3.3.2, 3.5.2, 3.7.2, 3.10.2).

Enrollees who were non-Hispanic Black compared to those who were non-Hispanic White (aOR=1.88) and those with a mental health condition (aOR=1.87) or both a mental health condition and a substance use disorder (aOR=2.22) compared to those without these conditions were more likely to report improved access to mental health care (Appendix B Table 3.6.2).

Enrollees with a mental health condition (aOR=1.86) or both a mental health condition and a substance use disorder (aOR=3.19) were more likely than those without these conditions to report improved access to substance use treatment services (Appendix B Table 3.7.2).

Out-of-pocket costs

In the 12 months prior to HMP enrollment, 42.0% of enrollees spent less than $50 out-of-pocket for their own medical and dental care; 25.3% spent more than $500 out-of-pocket and 8.7% spent more than $2,000 (Appendix A Table 3.24). Enrollees age 50-64 were less likely than those age 19-35 to report spending less than $50 out-of-pocket for their own medical or dental care in the 12 months prior to HMP enrollment (Appendix A Table 3.24). Few enrollees (4.4%) reported they did not know how much they spent out-of-pocket for their own medical and dental care in the 12 months prior to HMP enrollment (Appendix A Table 3.24).

In the last 12 months while enrolled in HMP, 53.7% of enrollees spent less than $50 out-of-pocket for their own medical and dental care; 6.6% spent more than $500 out-of-pocket and 1.2% spent more than $2,000 (Appendix A Table 3.25). One in five enrollees (21.5%) reported they did not know how much they spent out of pocket for their own medical and dental care in the last 12 months (Appendix A Table 3.25).

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In the 12 months prior to HMP enrollment, 36.0% of enrollees reported having problems paying medical bills (Appendix A Table 3.26). Problems paying medical bills in the 12 months prior to enrollment was more common among enrollees with an income 0-35% FPL compared to those with an income 36-99% FPL, among enrollees age 36-49 or age 50-64 compared to those age 19-35, among enrollees with a chronic condition compared to those without, and among enrollees with a mental health condition or both a mental health condition and a substance use disorder compared to those without these conditions (Appendix A Table 3.26).

Among those who reported having problems paying medical bills, 65.0% reported being contacted by a collections agency and 25.9% thought about filing for bankruptcy (Appendix A Tables 3.26.1, 3.26.2). Enrollees with an income 0-35% FPL compared to those with an income 36-99% FPL were more likely to consider filing for bankruptcy (Appendix A Table 3.26.2). Among those who thought about it, 24.6% filed for bankruptcy (Appendix A Table 3.26.2.1). Enrollees with a chronic condition were more likely than those without to report filing for bankruptcy (28.6% vs. 13.2%) (Appendix A Table 3.26.2.1).

Among those who reported having problems paying medical bills in the 12 months prior to HMP enrollment, 85.4% felt that their problems paying bills have gotten better since enrolling in HMP (Appendix A Table 3.26.3). Enrollees with excellent, very good, or good health status were more likely than those with fair or poor health status (aOR=2.49) and those whose highest level of education was an associate's degree or some college were more likely than those whose highest level of education was high school or less (aOR=2.13) to report that their problems paying medical bills have gotten better since enrolling in HMP (Appendix B Table 3.12.2).

Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

Health risk assessment

Self-reported HRA discussion

Nearly half of enrollees (43.4%) said they discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP (Appendix A Table 4.10). Enrollees who knew that they may get a reduction in healthcare costs by completing a HRA (aOR=1.62), who reported carefully reviewing their MI Health Account statement (aOR=1.83), who reported seeing their PCP in the past 12 month (aOR=3.28), and those age 50-64 compared to those age 19-35 (aOR=1.68) were more likely to report that they discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP (Appendix B Table 4.11.2).

Among enrollees who reported discussing the HRA with their doctor or someone at their primary care provider's office, 88.3% chose to work on at least one health behavior (Appendix A Table 4.10.1). The most common behaviors* that enrollees chose to work on were related to

*Respondents were able to provide multiple responses to the survey question.

nutrition/diet (36.9%), exercise/activity (28.7%), reducing/quitting tobacco use (15.7%), and losing weight (13.7%) (Appendix A Table 4.10.1). Enrollees were asked why they chose the healthy behavior they did and were able to provide multiple reasons. For their chosen health behaviors, nearly half (48.8%) said they chose the behavior because it was something that they wanted to do anyway (Appendix A Table 4.10.1.1). Other reasons they reported were because it would help them improve their condition (25.6%) or because the doctor suggested it (16.0%) (Appendix A Table 4.10.1.1).

Among enrollees who reported discussing the HRA with their doctor or someone at their primary care provider's office, the majority reported that completing the HRA somewhat or definitely helped their primary care provider better understand their health needs (88.0%), taught them something they didn't know about their health (63.3%), and motivated them to be more responsible for their health (91.0%) (Appendix A Tables 4.10.2-4.10.4).

Many enrollees who reported discussing the HRA with their doctor or someone at their primary care provider's office found it **helpful**.

Completing the HRA…

	Definitely yes	Somewhat yes	Don't know	No
helped my PCP better understand my health needs	48%	40%	10%	2%
motivated me to be more responsible for my health	58%	33%	9%	
taught me something I didn't know about my health	29%	34%	37%	
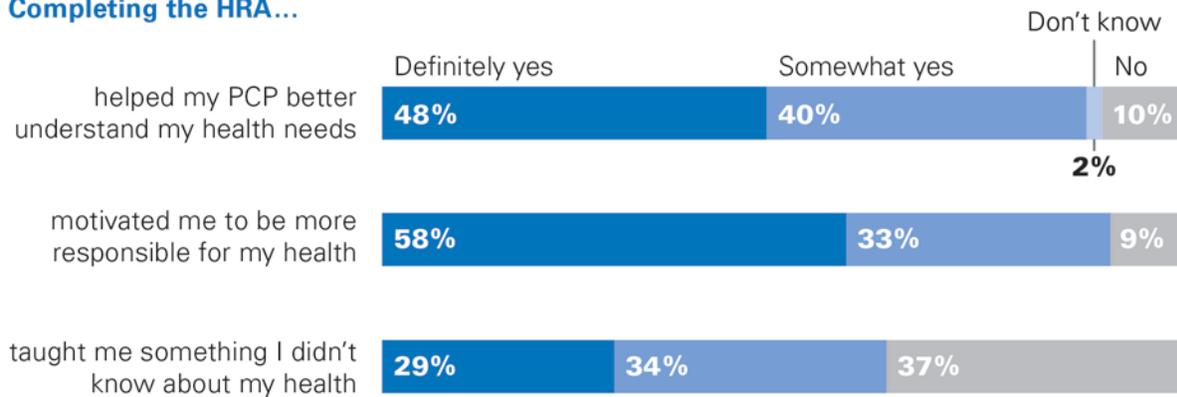
HRA completion

Nearly half of enrollees (45.0%) had some record of HRA completion in the Data Warehouse, which included 31.0% with a completed HRA with physician attestation documented (Appendix B Tables 4.12.1, 4.13.1).

Having some record of HRA completion in the Data Warehouse was more common among enrollees age 50-64 compared to those age 19-35, among those who reported a PCP visit in the past 12 months or who had a claim for a primary care visit compared to those who did not, and among those who knew they could get a reduction in healthcare costs by completing an HRA compared to those who did not (Appendix B Table 4.12.3).

Enrollees age 50-64 were more likely than those age 19-35 to have had a completed HRA with physician attestation (Appendix B Table 4.13.3).

Enrollees who were non-Hispanic Black were less likely than those who were non-Hispanic White to have some record of HRA completion in the Data Warehouse and to have a completed HRA with physician attestation (Appendix B Tables 4.12.3, 4.13.3).

Health behaviors and health education

Exercise

Less than half of enrollees (41.4%) reported talking with a health professional about exercise in the last 12 months (Appendix A Table 4.4). Enrollees with a chronic condition, those age 50-64, and women were more likely to report talking with a health professional about exercise (Appendix A Table 4.4).

About one in four enrollees (23.4%) reported exercising for at least 20 minutes every day in the last 7 days, and another 38.5% reported exercising for at least 20 minutes for 3-6 of the last 7 days (Appendix A Table 4.1). Women were less likely than men (20.6% vs. 26.1%) and those age 19-35 were less likely than older enrollees to report exercising every day (Appendix A Table 4.1). Those with an income 0-35% FPL were more likely than those with higher incomes to report no days of exercise in the last 7 days (Appendix A Table 4.1).

Diet/nutrition

Less than half of enrollees (41.9%) reported talking with a health professional about diet/nutrition in the last 12 months (Appendix A Table 4.5). Enrollees with a chronic condition, those age 50-64, and women were more likely to report talking with a health professional about diet/nutrition (Appendix A Table 4.5).

Over half of enrollees (56.4%) reported drinking sugary drinks 2 or fewer days in the last 7 days (Appendix A Table 4.2). Enrollees who talked with a health professional about diet/nutrition in the last 12 months were more likely than those who did not to report 0 days of sugary drink consumption in the last 7 days (aOR=1.30) (Appendix B Table 4.2.2). Enrollees age 36-49 (aOR=1.88) or age 50-64 (aOR=2.99) compared to those age 19-35, women compared to men (aOR=1.28), and those with bachelor's or post-graduate degree (aOR=2.03) or an associate's degree or some college (aOR=1.33) compared to those whose highest level of education was high school or less were more likely to report 0 days of sugary drink consumption in the last 7 days (Appendix B Table 4.2.2).

One in three enrollees (33.7%) reported eating 3 or more servings of fruits and vegetables every day in the last 7 days (Appendix A Table 4.3). Enrollees who discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP (aOR=1.39) and those who talked with a health professional about diet/nutrition in the last 12 months (aOR=1.31) were more likely to report eating 3 or more servings of fruits and vegetables at least 3 days of the last 7 days compared to those that did not (Appendix B Table 4.3.2). Enrollees who were non-Hispanic White compared to those who were non-Hispanic Black (aOR=0.61) or non-Hispanic Other ethnicity (aOR=0.69), women compared to men (aOR=1.44), those with bachelor's or post-graduate degree (aOR=1.70) or an associate's degree or some college (aOR=1.37) compared to those whose highest level of education was high school or less

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were more likely to report eating 3 or more servings of fruits and vegetables at least 3 days of the last 7 days (Appendix B Table 4.3.2).

Alcohol use

Few enrollees (3.9%) reported binge drinking 3 or more days in the last 7 days (Appendix A Table 4.6). Enrollees who discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP compared to those who did not (aOR=1.37) and women compared to men (aOR=1.36) were more likely to report no binge drinking in the last 7 days (Appendix B Table 4.4.2). Among those who reported any binge drinking in the last 7 days, 24.9% reported talking with a health professional about safe alcohol use in the last 12 months (Appendix A Table 4.7).

Tobacco use

About one in three enrollees (34.4%) reported smoking or using tobacco in the last 30 days (Appendix A Table 4.8). Enrollees who discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP were less likely than those who did not to report smoking or using tobacco in the last 30 days (aOR=0.78) (Appendix B Table 4.6.2).

Among those who reported smoking or using tobacco in the last 30 days, 78.6% reported wanting to quit (Appendix A Table 4.8.1). Enrollees age 50-64 compared to those age 19-35 were more likely to report wanting to quit (aOR= 1.87) (Appendix B Table 4.7.2). Of those who said they would like to quit smoking or using tobacco, 89.0% reported working on quitting or cutting back (Appendix A Table 4.8.1.1). Among those who reported smoking or using tobacco in the last 30 days and wanting to quit, about half (47.3%) reported receiving advice or assistance from a health professional or their health plan on how to quit or cut back in the last 12 months (Appendix A Table 4.8.2). Enrollees who discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP (aOR=1.95) and those who reported seeing their PCP in the past 12 months (aOR=4.64) were more likely than those who did not to report getting help quitting or reducing tobacco use in the last 12 months (Appendix B Table 4.9.2).

Drug use

Few enrollees (6.2%) reported using drugs or medications to affect mood or aid in relaxation in the last 30 days (Appendix A Table 4.9). Men were more likely than women to report using drugs or medications to affect mood or aid in relaxation (Appendix A Table 4.9). Among those who reported using drugs or medications to affect mood or aid in relaxation, 53.5% used these drugs or medications almost every day (Appendix A Table 4.9.1). Among those who used drugs sometimes or almost every day, 36.3% reported speaking with a health professional about the use of these drugs or medications in the last 12 months (Appendix A Table 4.9.1.1).

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

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Regular source of care

In the 12 months prior to HMP enrollment, three in four enrollees (74.7%) reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health (Appendix A Table 5.1). Among those who reported having a place that they would go for health care in the 12 months prior to HMP enrollment, 51.7% reported a doctor's office, 20.5% an urgent care/walk-in clinic, 16.2% a clinic, and 9.5% reported the ER as their regular source of care (Appendix A Table 5.2.1).

Nearly all enrollees (91.7%) reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the last 12 months while they were enrolled in HMP (Appendix A Table 5.3). Enrollees who were Hispanic compared to non-Hispanic White, who were age 19-35 compared to those age 50-64, and those who did not have a chronic condition were less likely to report a regular source of care (Appendix A Table 5.3). Among enrollees who reported having a place they would go for health care in the last 12 months, 64.5% reported a doctor's office, 19.9% a clinic, 10.3% an urgent care/walk-in clinic, and 4.2% reported the ER as their regular source of care (Appendix A Table 5.4.1).

More enrollees reported having a **regular source of care** after HMP.
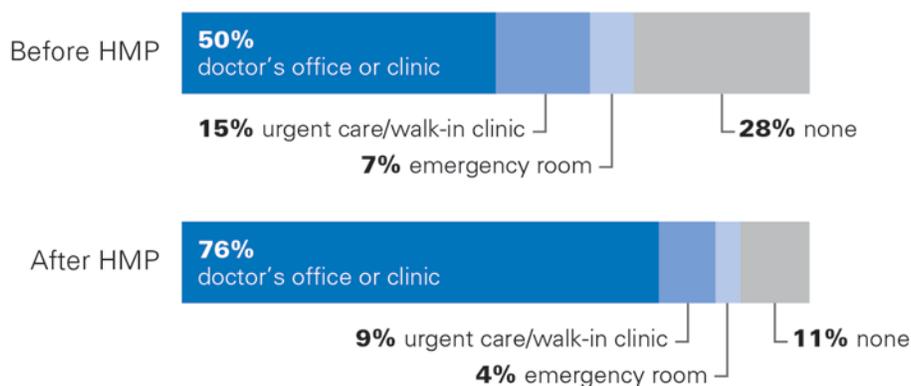
Those age 50-64 compared to those age 19-35 (aOR=2.57), women compared to men (aOR=1.91), those with a chronic condition compared to those without (aOR=1.68), and those with a mental health condition compared to those without a mental health condition or substance use disorder (aOR=1.52) were more likely to report that a doctor's office or clinic was their regular source of care in the last 12 months while enrolled in HMP (Appendix B Table 5.1.3). Those who experienced homelessness in the last 12 months were less likely than those who did not experience homelessness in the last 12 months to report that a doctor's office or clinic was their regular source of care (aOR=0.47) (Appendix B Table 5.1.3).

Among those who reported a doctor's office or clinic as their regular source of care in the last 12 months while enrolled in HMP, 93.9% said this was their PCP through their HMP coverage while 50.6% reported that this is the same place they went prior to HMP enrollment (Appendix A Tables 5.4.3, 5.4.4). Among those who did not name a doctor's office or clinic as their regular source of care in the last 12 months while enrolled in HMP, 33.8% said they did not have a PCP

through HMP and 6.8% were not sure (Appendix A Table 5.4.5). Among enrollees who had a PCP through HMP that was not their regular source of care, 55.4% chose their provider and 42.5% said their plan assigned one (Appendix A Table 5.4.5.1).

Among all enrollees, 83.8% reported having a PCP (Appendix A Table 5.4.6). Enrollees who were non-Hispanic White compared to those who were non-Hispanic Black, age 50-64 compared to younger enrollees, women compared to men, and those with a chronic condition compared to those without were more likely to report having a PCP (Appendix A Table 5.4.6).

Primary care utilization

The majority of enrollees (83.4%) who had a PCP reported seeing their PCP in the past 12 months while enrolled in HMP (Appendix A Table 5.4.6.1) and a similar proportion of all enrollees (81.9%) had a claim for at least one primary care visit in a two-year period (Appendix B Table 5.3.1). Enrollees age 50-64 compared to those age 19-35 (aOR=2.95), women compared to men (aOR=2.22), those with a chronic condition compared to those without (aOR=1.96), those with a mental health condition compared to those without a mental health condition or substance use disorder (aOR=2.68), and those who reported forgone health care in the 12 months prior to enrollment compared to those who did not (aOR=1.60) were more likely to report seeing their PCP in the past 12 months (Appendix B Table 5.2.2). Enrollees who reported full-time employment compared to those not employed (aOR=0.62) and those who experienced homelessness in the past 12 months compared to those who did not (aOR=0.32) were less likely to report seeing their PCP in the past 12 months (Appendix B Table 5.2.2).

Among those who reported not seeing their PCP in the past 12 months, the most common reason* given was that they were healthy and did not need to see a provider (51.6%) (Appendix A Table 5.4.6.1.1).

Most enrollees (75.7%) said it was very easy or easy to get an appointment to see their PCP in the past 12 months (Appendix A Table 5.5). Among those who said it was difficult or very difficult to get an appointment, the most common reason* was difficulty getting an appointment soon enough (73.8%) (Appendix A Table 5.6.1).

Preventive services utilization

Three in four enrollees (75.8%) had a claim for at least one preventive service besides a primary care visit in a two-year period. The most common preventive service was an influenza vaccination (41.9%) (Appendix B Table 5.4.1). More than half of women over age 50 (58.4%) received breast cancer screening, 37.1% of women received cervical cancer screening, and 29.5% of enrollees over age 50 had colon cancer screening (Appendix B Table 5.4.1). About one in five enrollees (18.1%) who reported smoking or using tobacco received a prescription for varenicline and/or nicotine replacement therapy, and 37.0% of those with diabetes and/or heart disease had a prescription for a statin (Appendix B Tables 5.4.1, 5.4.2)

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*Respondents were able to provide multiple responses to the survey question.

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The likelihood of having at least one preventive service was greater for women, enrollees with one or more chronic conditions and for those who:

- Reported that they discussed the HRA with their doctor or someone at their primary care provider's office since they enrolled in HMP compared to those who did not (aOR=1.58)
- Had any record of HRA completion in the Data Warehouse compared to those who did not (aOR=1.38)
- Reported having a PCP visit in the past 12 months compared to those who did not (aOR=2.41)
- Had a claim for a primary care visit in a two-year period compared to those who did not (aOR=5.59)
  (Appendix B Table 5.5.3)

Similar relationships were typically found for specific preventive services, with some other predictors also identified (e.g., age and STI testing, pneumonia vaccination, or statin claim) (Appendix B Tables 5.7.1-5.16.3).

Dental care utilization

Over half of enrollees (54.0%) reported getting dental care in the last 12 months while they were enrolled in HMP (Appendix A Table 5.7). Women were more likely than men (58.5% vs. 49.6%) and those with an income 36-99% FPL were more likely than those with other incomes to report getting dental care (Appendix A Table 5.7). Among those who reported not getting dental care in the last 12 months, the most common reason* given was that they just did not want to go or did not get around to it (37.1%) (Appendix A Table 5.7.1).

Enrollees were more likely to have a claim for a dental visit in a two-year period if they knew that routine dental care was covered by HMP compared to those who did not (aOR=4.07), if they reported forgone dental care in the 12 months prior to HMP enrollment compared to those who did not (aOR=1.37), if they reported sometimes, often, or always needing help reading written materials compared to those who never or rarely need help reading written materials (aOR=1.44), if they were non-Hispanic Other ethnicity compared to non-Hispanic White (aOR=1.61), or if they had an income 36-99% FPL compared to those with an income 0-35% FPL (aOR=1.29) (Appendix B Table 5.18.3). Enrollees who were employed full-time were less likely than those who were not employed to have a dental visit (Appendix B Table 5.18.3).

Self-reported emergency room use

More than one in three enrollees (38.0%) reported going to the ER for care in the past 12 months (Appendix A Table 5.8). Enrollees with a chronic condition compared to those without, enrollees with a mental health condition, a substance use disorder, or both a mental health condition and a substance use disorder compared to those without these conditions, enrollees from the S Central/SW/SE region compared to those from the UP/NW/NE region, and enrollees who were non-Hispanic Black compared to those who were non-Hispanic White were more likely to report going to the ER in the past 12 months (Appendix A Table 5.8).

*Respondents were able to provide multiple responses to the survey question.

Among enrollees who reported going to the ER in the past 12 months, 75.8% reported that they went to the ER because it is the closest place to receive care, 58.9% reported that the problem was too serious for a doctor's office or clinic, 53.6% reported that their doctor's office or clinic was not open, 44.1% reported that they needed to get care at a time when they would not miss work or school, 34.6% reported that they went to the ER because they get most of their care at the ER, and 17.7% reported arriving to the ER by ambulance (Appendix A Tables 5.8.2.1-5.8.2.6). Enrollees who reported an ER visit were able to report other reasons they decided to go to the ER and those most common reason* given was that their symptoms didn't improve or got worse (17.9%) (Appendix A Table 5.8.2.7).

Among those who reported an ER visit, 21.3% tried to contact their usual provider's office before going to the ER (Appendix A Table 5.8.1). Of those enrollees who tried to contact their usual provider's office before going to the ER, 81.8% reported talking to someone (Appendix A Table 5.8.1.1). Among those who talked to someone from their provider's office before going to the ER, the most common reason* for going to the ER was because they were told to go to the ER (61.6%) (Appendix A Table 5.8.1.1.1).

Emergency room utilization

Half of enrollees (50.0%) had a claim for an ER visit in a two-year period (Appendix B Table 5.23.1). Those with housing instability (i.e., had lived four or more places in the past 3 years) compared to those without (aOR=1.81), those with a chronic condition compared to those without (aOR=1.90), those with a mental health condition and/or substance use disorder compared to those without these conditions (aOR=3.86 for both, 1.93 for mental health condition, 1.99 for substance use disorder), and women compared to men (aOR=1.40) were more likely to have a claim for an ER visit (Appendix B Table 5.23.3). Enrollees with excellent, very good, or good health status compared to those with fair or poor health status (aOR=0.70), those with a regular source of care that is a doctor's office or clinic compared to those without (aOR=0.67), those age 50-64 compared to those age 19-35 (aOR=0.59), and those with a bachelor's or post-graduate degree compared to those whose highest level of education was high school or less (aOR=0.56) were less likely to have a claim for an ER visit (Appendix B Table 5.23.3)

Other healthcare utilization

One in five enrollees (20.5%) had a claim for at least one mental health or substance use visit in a two-year period (Appendix B Table 5.21.1). Having a mental health or substance use visit was more likely if enrollees knew that mental health counseling was covered by HMP (aOR=4.15) (Appendix B Table 5.21.3).

One in three enrollees (35.3%) had a claim for at least one eye visit in a two-year period (Appendix B Table 5.20.1). Among enrollees with diabetes, more than half (57.7%) had an eye visit, though those who were employed full-time compared to those not employed were less likely to have had an eye visit (aOR=0.34) (Appendix B Tables 5.20.4-5.20.6)

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*Respondents were able to provide multiple responses to the survey question.

About one in seven enrollees (14.6%) had an inpatient claim in a two-year period (Appendix B Table 5.24.1). Having an inpatient claim was more common among enrollees age 36-49 (aOR=1.50) and age 50-64 (aOR=1.69) compared to those age 19-35, among those with a chronic condition compared to those without (aOR=1.91), among those with a substance use disorder (aOR=4.09) or both a mental health condition and a substance use disorder (aOR=4.45) compared to enrollees without these conditions, and among enrollees who sometimes, often, or always need help reading written materials compared to those who never or rarely need help reading written materials (aOR=1.52) (Appendix B Table 5.24.3).

Care needs after hours

Among those who did not report an ER visit in the past 12 months, 16.4% reported that there was a time when they needed help or advice when their usual clinic or doctor's office was closed (Appendix A Table 5.8.3). Women, enrollees age 50-64 compared to those age 19-35, and enrollees with a chronic condition were more likely to report this (Appendix A Table 5.8.3). Enrollees who reported needing help or advice when their usual clinic or doctor's office was closed were asked how they handled the situation and the most common responses* were that they went to urgent care or a walk-in clinic (57.4%) and that they got advice elsewhere (20.7%) (Appendix A Table 5.8.3.1).

Checking cost-sharing before seeking care

One in four enrollees (24.5%) reported checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care in the past 12 months (Appendix A Table 5.10). Enrollees with a bachelor's or post-graduate degree (aOR=2.02) or an associate's degree or some college (aOR=1.58) were more likely than those whose highest level of education was high school or less to report checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care (Appendix B Table 5.25.2). Among those who said they had checked how much they would have to pay, the most commonly reported types of health services* were primary care (43.8%) and prescription medications (25.2%) (Appendix A Table 5.10.1).

Seeking out and using quality information in health care decisions

One in six enrollees (17.1%) reported comparing quality ratings for health care services at different places in the past 12 months (Appendix A Table 5.11). Enrollees with a bachelor's or post-graduate degree (aOR=2.17) or an associate's degree or some college (aOR=1.99) were more likely than those whose highest level of education was high school or less and enrollees from the Detroit Metro region were more likely than those from the UP/NW/NE region (aOR=2.02) to report comparing quality ratings for health care services at different places (Appendix B Table 5.26.2). Enrollees most commonly reported comparing quality ratings for* primary care (44.9%) (Appendix A Table 5.11.1).

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*Respondents were able to provide multiple responses to the survey question.

Talking with doctor about treatment options and costs

About one in five enrollees (19.1%) reported talking with a health care provider about how much health care services would cost them out-of-pocket (Appendix A Table 5.12). Enrollees with a bachelor's or post-graduate degree (aOR=1.85) or an associate's degree or some college (aOR=1.64) were more likely than those whose highest level of education was high school or less and women were more likely than men (aOR=2.32) to report talking with a health care provider about how much health care services would cost them out-of-pocket (Appendix B Table 5.27.2). Enrollees most commonly reported discussing out-of-pocket costs for*
primary care (23.6%) (Appendix A Table 5.12.1).

One in five enrollees (21.3%) reported asking a provider to recommend a less costly prescription drug in the past 12 months (Appendix A Table 5.13). Women were more likely than men (aOR=1.87) and those with a chronic condition more likely than those without (aOR=1.44) to report asking a provider to recommend a less costly prescription drug in the past 12 months (Appendix B Table 5.28.2).

Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

Expected duration of HMP enrollment

Enrollees were asked how much longer they expected they would have insurance through HMP and most reported that they did not know (43.0%) (Appendix A Table 6.1). Among enrollees age 19-62, this was most often reported by those who reported being unable to work compared to those who reported being employed full-time or part-time (52.8% vs. 41.3% and 41.7%, respectively), and less often reported by those in school compared to those who were not (33.1% vs. 46.1%), and by those with a bachelor's or post-graduate degree compared to those whose highest level of education was high school or less (33.4% vs. 49.0%) (Appendix B Tables 6.1.1, 6.1.3). One in four enrollees (25.6%) expected they would have insurance through HMP for more than 2 years, 12.5% said 1-2 years, 12.7% said 6 months to 1 year, and 6.3% said less than 6 months (Appendix A Table 6.1).

Among those who expected they would continue having insurance through HMP for less than 2 years, the most common reasons why they expected their HMP insurance would end* were expecting to get employer-sponsored insurance (37.8%) and expecting an income increase (22.8%) (Appendix A Table 6.1.1).

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*Respondents were able to provide multiple responses to the survey question.

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Limitations

The 2018 HMV Cohort II Survey included individuals who enrolled in HMP for the first time between January 2016 and January 2018. Compared to the enrollees included in Cohort I, the more recent enrollees included in Cohort II were younger, more likely to be employed, and more likely to have health insurance for some or all of the 12 months prior to HMP enrollment.

The response rate of 42.9% for the Cohort II survey was lower than the response rate of 53.7% for the Cohort 1 survey. As with the Cohort I survey, this survey was administered via phone to a randomly selected sample of HMP enrollees, and there may be some differences between those who completed the survey and those who could not be reached. While the survey was available in three languages, it was not available in all languages spoken by HMP enrollees.

As with any survey, HMV survey responses may reflect social desirability or recall bias. While many measures were based on those used in large national surveys, some questions were newly developed specifically to assess experiences with the HMP program.

Survey responses were supplemented with claims-derived variables from Medicaid administrative data. These data are limited to services paid by Medicaid during periods of enrollment in HMP and other Medicaid programs. We did not distinguish between services received during enrollment in HMP and during enrollment in other Medicaid programs. Data extraction for the claims-derived variables occurred in April 2019, which was 4-16 months from the month of sample selection. Claims-derived variables for respondents selected in October-December 2018 may reflect some incompleteness as some claims may not have been fully adjudicated and loaded into the Data Warehouse.

Identification of chronic medical and mental health conditions was performed using a combination of survey self-report and claims evidence. Survey self-report reflected being "ever told" by a health care provider that the respondent had a particular condition; this self-reported variable is subject to recall bias, as well as misunderstanding of whether a diagnosis was definitive. It cannot be determined whether respondents may have under- or over-reported conditions. Claims evidence was based on having ≥1 claim on any service with a diagnosis code consistent with that condition; this claims variable is limited by the lack of data for the period prior to HMP enrollment (i.e., care not paid for by Medicaid would not yield a claim, which could under-count chronic conditions). Conversely, requiring only 1 claim might overidentify chronic conditions, in situations where a single claim reflects an inaccurate diagnosis. However, for each condition examined, over half of individuals flagged as having a particular chronic condition had more than one claim for that condition (ranging from 55.8% to 80.8%). The definition of chronic condition used in this report (either survey self-report or claims evidence) represents a broad method of identification, and thus may over-identify enrollees with chronic conditions but also addresses the limitations of using either approach individually.

Bivariate analyses should be interpreted with caution as they may identify relationships between variables that are due to confounding. Small sample sizes may limit the ability to detect statistical associations.

Conclusions

Employment and facilitators and barriers to employment

More than half of enrollees were employed or self-employed. Among employed enrollees, most reported that HMP helped them do a better job at work. Among those without employment, most said HMP made them better able to look for a job, especially if they reported that their physical health had improved since enrollment.

One in four enrollees were caregivers and many reported that this role affected their employment.

Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

Three in four enrollees reported excellent, very good, or good health. Since enrolling in HMP, most enrollees reported their physical health, mental health, and oral health had improved or stayed the same. Those who had forgone care prior to enrollment but not in the last 12 months while they were on HMP were more likely to report improved health.

Two in three enrollees had at least one chronic condition, and one in three enrollees reported they had a chronic condition that was newly diagnosed since enrolling in HMP.

Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

Most enrollees knew that HMP covers prescription medications, dental care, counseling for mental or emotional problems, eyeglasses, and birth control or family planning. Most did not know that HMP covers treatment for substance use and smoking cessation. Enrollees who reported needing help reading written materials were less likely to be aware of many covered benefits.

Understanding of incentives for HRA completion remains low, as less than one in three knew they could get a reduction in the amount they have to pay if they complete a HRA. More than half of enrollees recalled receiving a MI Health Account statement in the last year; most of these enrollees said that receiving these statements made them more aware of the cost of health care, and one in three said this information led them to change some of their health care decisions. Most enrollees considered the amount they have to pay for HMP to be fair and affordable.

Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

Nearly half of enrollees were uninsured for all 12 months prior to HMP, and many enrollees experienced forgone medical and dental care prior to HMP, usually due to lack of insurance

coverage. In the 12 months before enrolling in HMP, one in four enrollees reported spending more than $500 on medical and dental care and nearly one in ten reported spending more than $2,000. One in three reported problems paying medical bills, and two-thirds of those had been contacted by a collections agency. Filing for bankruptcy was more likely for those with chronic conditions. In the last 12 months while enrolled in HMP, fewer than one in ten had more than $500 in out-of-pocket costs.

Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

Over two in five enrollees said they discussed the HRA with their doctor or someone at their doctor's office since they enrolled in HMP. Most felt this discussion motivated them to be more responsible for their own health, and also that it helped their PCP understand their health needs. Enrollees who reported that they discussed the HRA were more likely to report engaging in healthy behaviors, and more likely to receive preventive services.

Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

Cohort II enrollees appear to have embraced the emphasis in HMP on primary care and health promotion. Most enrollees reported visiting their PCP, although this was less likely for those who had full-time employment and those who had experienced homelessness. Over half of enrollees reported getting dental care in the past year.

Enrollees were more likely to report having a regular source of care (of any kind) in the last 12 months compared to before HMP enrollment, and they were less likely to report the ER as their regular source of care. Still, about one in three reported an ER visit in the last 12 months, of which one in five tried to contact their usual provider first. Besides the seriousness of their symptoms, other reasons for ER visits included proximity, a history of ER care-seeking, and the need for after-hours care so as not to miss work or school. ER use was associated with having a chronic medical or mental health condition and/or substance use disorder.

Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

This report did not follow individuals into post-HMP enrollment. However, the majority of enrollees were unsure about how long they would remain enrolled in HMP.

Recommendations

As seen in the first survey cohort, the emphasis on primary and preventive care and providing information about costs appear to influence enrollee care-seeking and motivate attention to health behaviors. The emphasis on prevention and health risk modification in HMP could have even greater impact over the long-term and should continue to be monitored.

MDHHS should continue to educate HMP enrollees about covered benefits, particularly coverage for smoking cessation and treatment for substance use disorders, and about cost-sharing and financial incentives for healthy behaviors.

Because primary care visits appear to have a large impact on health promotion and use of preventive services, and have the potential to decrease the use of emergency rooms, maintaining and improving access to primary care could be more important than emphasizing the completion of the HRA. We recommend that MDHHS work with Medicaid health plans and the provider community to maintain or improve timely access to primary care appointments in addition to emphasizing the HRA.

While many enrollees were employed at the time of the survey, many face barriers to consistent employment such as health problems, functional limitations, caregiving, poor literacy, and low educational attainment. Housing instability may result from and contribute to difficulty seeking and maintaining employment. According to many enrollees, HMP has helped their employment and employability. Improved health and access to care, including vision and dental care, may contribute to these benefits in seeking or maintaining employment.

As the HMP community engagement requirement is implemented beginning in 2020, it will be important for MDHHS and the HMP evaluation team to monitor the employment status of HMP enrollees, including health-related barriers to gaining or consistently maintaining 80 hours per month of employment, and the health status of enrollees who lose HMP coverage if they are unable to satisfy the community engagement requirement.

Those with a mental health condition and/or substance use disorder face more obstacles to care. Improving awareness of covered services for these disorders should be a high priority, with special attention to providing education on these covered benefits to those who face challenges with literacy or housing stability. Improved mental health and recovery from substance misuse could enhance enrollees' ability to enter, or reenter, the workforce, reduce emergency department utilization and, importantly, benefit enrollees, their families and their communities.

While some information on health and functional outcomes can be ascertained from claims, surveys such as the *Healthy Michigan Voices* Survey provide a unique opportunity to understand changes in health behaviors and health status that are not readily evident in claims data. Furthermore, the surveys have provided much insight into the complex array of life circumstances that are associated with health, health care, and employment for HMP enrollees.

2018 Healthy Michigan Voices Cohort II Survey
Appendix A: Descriptive Tables

Contents

Appendix A Interpretation Notes

Appendix A presents descriptive statistics for responses to all survey questions, with raw N for number of respondents, weighted percentages or means, and 95% confidence intervals (CIs). We examined bivariate associations of variables with respondent characteristics including age, gender, race/ethnicity, FPL group, region, presence of a chronic condition, and presence of a mental health condition and/or substance use disorder.

When a question was answered by all respondents N=2,602. An N of less than 2,602 reflects either pre-determined skip patterns based on prior survey questions, or item non-response. "Don't know" responses were treated as non-response if they accounted for less than 2% of the total responses to that question. Respondents who answered "not applicable" to survey questions were excluded from bivariate and multivariate analyses.

0 Demographics

0.1 Main demographics table

Universe: All respondents (N=2,602)

	Weighted Proportion	95% CI
FPL category		
0-35% (n=960)	54.6	[53.6, 55.6]
36-99% (n=947)	26.6	[25.8, 27.4]
100%+ (n=695)	18.8	[18.1, 19.5]
Region		
UP/NW/NE (n=518)	9.0	[8.6, 9.4]
W/E Central/E (n=770)	27.0	[26.2, 27.9]
S Central/SW/SE (n=523)	19.8	[19.0, 20.6]
Detroit Metro (n=791)	44.1	[43.0, 45.3]
Age		
19-35 (n=1,036)	51.1	[48.7, 53.5]
36-49 (n=696)	25.7	[23.6, 27.8]
50-64 (n=870)	23.2	[21.5, 25.1]
Gender		
Female (n=1,547)	49.2	[46.8, 51.6]
Male (n=1,055)	50.8	[48.4, 53.2]
Race/ethnicity		
White, non-Hispanic (n=1,696)	58.2	[55.8, 60.5]
Black, non-Hispanic (n=422)	22.2	[20.2, 24.4]
Hispanic (n=169)	7.2	[6.0, 8.6]
Other, non-Hispanic (n=248)	12.4	[10.8, 14.2]
Race		
White (n=1,754)	60.9	[58.5, 63.2]
Black or African American (n=433)	22.9	[20.8, 25.1]
Other (n=246)	12.0	[10.4, 13.8]
More than one (n=85)	4.2	[3.3, 5.4]
Hispanic/Latino		
Yes (n=169)	7.1	[6.0, 8.5]
No (n=2,385)	92.9	[91.5, 94.0]
Arab/Chaldean/Middle Eastern		
Yes (n=144)	7.8	[6.4, 9.4]
No (n=2,398)	92.2	[90.6, 93.6]
Survey language		
English (n=2,547)	97.7	[96.8, 98.3]
Arabic (n=37)	1.7	[1.2, 2.6]
Spanish (n=18)	0.6	[0.4, 1.0]
Marital status		
Married (n=651)	18.5	[17.0, 20.1]
Divorced (n=505)	15.8	[14.3, 17.5]
Widowed (n=86)	2.4	[1.8, 3.1]
Separated (n=71)	2.9	[2.2, 3.8]
Partnered (n=105)	4.2	[3.3, 5.3]
Never married (n=1,165)	56.2	[53.8, 58.5]
Other members of household enrolled in HMP		
Yes (n=1,090)	41.4	[39.1, 43.8]
No (n=1,326)	58.6	[56.2, 60.9]
Number of places lived in past 3 years		
One (n=1,544)	56.8	[54.3, 59.2]
Two (n=654)	26.7	[24.5, 28.9]
Three (n=218)	9.5	[8.1, 11.0]
Four or more (n=164)	7.1	[5.9, 8.6]
Homeless in last 12 months		
Yes (n=155)	8.0	[6.7, 9.6]
No (n=2,444)	92.0	[90.4, 93.3]

Continued on next page

Need help reading written materials

Never (n=1,882)	70.8	[68.5, 73.0]
Rarely (n=311)	12.9	[11.3, 14.7]
Sometimes (n=259)	10.4	[9.0, 12.1]
Often (n=66)	2.5	[1.9, 3.3]
Always (n=78)	3.4	[2.6, 4.4]

Highest level of education

Less than high school (n=247)	9.4	[8.2, 10.8]
High school graduate (or equiv.) (n=1,005)	38.7	[36.3, 41.1]
Some college (n=635)	26.5	[24.4, 28.8]
Associate's degree (n=368)	13.4	[11.8, 15.2]
Bachelor's degree (n=261)	9.1	[7.9, 10.5]
Post graduate degree (n=77)	2.8	[2.2, 3.7]

In school

Yes (n=396)	20.0	[18.0, 22.2]
No (n=2,203)	80.0	[77.8, 82.0]

Employed/Self-employed

Yes (n=1,517)	55.8	[53.4, 58.1]
No (n=1,078)	44.2	[41.9, 46.6]

Employment status, detailed

Full-time employment (n=699)	27.9	[25.7, 30.2]
Part-time employment (n=811)	28.1	[26.1, 30.2]
Out of work (n=310)	15.6	[13.7, 17.6]
Unable to work (n=393)	14.6	[13.1, 16.2]
Retired (n=135)	4.1	[3.3, 5.0]
Not looking for work (n=230)	9.8	[8.4, 11.5]

Veteran

Yes (n=94)	3.4	[2.6, 4.4]
No (n=2,508)	96.6	[95.6, 97.4]

Chronic condition (2018 survey or DW)

Yes (n=1,644)	59.8	[57.4, 62.2]
No (n=958)	40.2	[37.8, 42.6]

Mental health condition and/or substance use disorder (2018 survey or DW)

Mental health condition and substance use disorder (n=301)	12.5	[11.0, 14.2]
Mental health condition (n=944)	33.3	[31.1, 35.5]
Substance use disorder (n=100)	3.9	[3.1, 4.9]
None (n=1,257)	50.3	[47.9, 52.8]

Insurance status in 12 months prior to HMP

Insured some or all 12 months (n=1,462)	54.2	[51.8, 56.6]
Uninsured all 12 months (n=1,094)	43.4	[41.0, 45.8]
Don't know (n=46)	2.4	[1.6, 3.5]

[a] Chronic condition was defined as either survey report or claims evidence of having asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke, as defined in Appendix C.

[b] Mental health condition and/or substance use disorder was defined as either survey report or claims evidence of having at least one mental health condition OR substance use disorder, as defined in Appendix C.

0.2 Q: In the past 3 years, how many places have you lived for one week or longer (including where you live now?)

Universe: All respondents (N=2,602)

	Number of places lived in past 3 years								Total
	One		**Two**		**Three**		**Four or more**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=1,029)	51.3	[47.6, 55.1]	29.4	[26.1, 32.9]	11.4	[9.3, 14.0]	7.9	[6.0, 10.2]	100.0
36-49 (n=690)	57.6	[52.9, 62.1]	26.5	[22.7, 30.8]	9.3	[6.8, 12.6]	6.6	[4.5, 9.4]	100.00
50-64 (n=861)	67.9	[63.8, 71.7]	20.7	[17.5, 24.3]	5.4	[3.8, 7.5]	6.1	[4.2, 8.8]	100.0
Pearson: Uncorrected chi2(6) =	49.8854								
Design-based F(5.84, 14996.86) =	5.5717	Pr =	0.000						
Gender									
Female (n=1,539)	56.5	[53.4, 59.5]	26.8	[24.2, 29.6]	9.8	[8.1, 11.9]	6.8	[5.4, 8.7]	100.0
Male (n=1,041)	57.0	[53.2, 60.8]	26.5	[23.2, 30.0]	9.1	[7.1, 11.6]	7.4	[5.5, 9.8]	100.0
Pearson: Uncorrected chi2(3) =	0.7158								
Design-based F(2.99, 7689.98) =	0.1399	Pr =	0.936						
Race/ethnicity									
White, non-Hispanic (n=1,688)	54.9	[51.8, 57.9]	28.0	[25.4, 30.9]	10.5	[8.7, 12.6]	6.6	[5.2, 8.3]	100.0
Black, non-Hispanic (n=418)	57.6	[51.6, 63.4]	27.3	[22.4, 32.9]	6.1	[3.8, 9.6]	9.0	[5.9, 13.5]	100.0
Hispanic (n=168)	56.0	[46.7, 64.9]	29.4	[21.8, 38.4]	6.8	[3.8, 11.8]	7.8	[3.4, 17.0]	100.0
Other, non-Hispanic (n=243)	63.6	[56.1, 70.5]	20.8	[15.3, 27.6]	10.8	[7.0, 16.3]	4.9	[2.7, 8.7]	100.0
Pearson: Uncorrected chi2(9) =	24.9677								
Design-based F(8.56, 21440.91) =	1.5321	Pr =	0.134						
FPL category									
0-35% (n=947)	53.7	[49.8, 57.6]	28.0	[24.7, 31.6]	9.8	[7.7, 12.4]	8.5	[6.5, 11.0]	100.0
36-99% (n=941)	61.6	[58.1, 65.1]	23.1	[20.3, 26.3]	9.0	[7.1, 11.4]	6.2	[4.6, 8.2]	100.0
100%+ (n=692)	58.6	[54.3, 62.7]	27.8	[24.1, 31.9]	9.0	[6.8, 11.9]	4.6	[3.1, 6.7]	100.0
Pearson: Uncorrected chi2(6) =	18.9483								
Design-based F(5.71, 14660.88) =	2.5929	Pr =	0.018						
Region									
UP/NW/NE (n=515)	54.5	[49.6, 59.3]	27.6	[23.3, 32.3]	9.9	[7.2, 13.3]	8.1	[5.8, 11.2]	100.0
W/E Central/E (n=765)	55.4	[51.3, 59.4]	26.4	[22.9, 30.3]	10.0	[7.6, 12.9]	8.2	[6.1, 10.9]	100.0
S Central/SW/SE (n=522)	50.7	[45.7, 55.8]	29.4	[25.0, 34.2]	13.0	[9.8, 17.0]	6.9	[4.6, 10.3]	100.0
Detroit Metro (n=778)	60.8	[56.5, 65.0]	25.4	[21.8, 29.3]	7.5	[5.4, 10.2]	6.4	[4.4, 9.1]	100.0
Pearson: Uncorrected chi2(9) =	23.4756								
Design-based F(7.81, 20054.38) =	1.9067	Pr =	0.056						
Chronic condition (2018 survey or DW)									
Yes (n=1,623)	58.1	[55.0, 61.2]	25.1	[22.5, 27.9]	8.2	[6.7, 10.0]	8.5	[6.8, 10.7]	100.0
No (n=957)	54.7	[50.7, 58.7]	28.9	[25.4, 32.6]	11.3	[8.9, 14.3]	5.0	[3.6, 7.0]	100.0
Pearson: Uncorrected chi2(3) =	21.6487								
Design-based F(3.00, 7700.91) =	4.2898	Pr =	0.005						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=296)	41.1	[34.3, 48.2]	33.0	[26.6, 40.0]	16.6	[11.7, 23.0]	9.3	[6.0, 14.3]	100.0
Mental health condition (n=936)	56.0	[51.9, 60.0]	26.5	[23.1, 30.3]	9.3	[7.3, 11.9]	8.1	[6.0, 10.9]	100.0
Substance use disorder (n=98)	55.1	[43.1, 66.5]	26.1	[16.6, 38.5]	9.3	[4.4, 18.4]	9.5	[4.4, 19.5]	100.0
None (n=1,250)	61.3	[57.7, 64.7]	25.2	[22.3, 28.4]	7.8	[6.0, 10.1]	5.7	[4.2, 7.8]	100.0
Pearson: Uncorrected chi2(9) =	53.6023								
Design-based F(8.91, 22888.48) =	3.6292	Pr =	0.000						
Total (n=2,580)	56.8	[54.3, 59.2]	26.7	[24.5, 28.9]	9.5	[8.1, 11.0]	7.1	[5.9, 8.6]	100.0

Note: Total n is less than universe N due to item non-response.

0.3 Q: Have you been homeless at any time in the last 12 months?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
	Homeless in last 12 months				
Age					
19-35 (n=1,035)	7.7	[5.7, 10.2]	92.3	[89.8, 94.3]	100.0
36-49 (n=695)	10.0	[7.3, 13.5]	90.0	[86.5, 92.7]	100.0
50-64 (n=869)	6.8	[4.9, 9.4]	93.2	[90.6, 95.1]	100.0
Pearson: Uncorrected chi2(2) =	4.9268				
Design-based F(1.93, 4992.74) =	1.4220	Pr =	0.242		
Gender					
Female (n=1,545)	5.6	[4.3, 7.4]	94.4	[92.6, 95.7]	100.0
Male (n=1,054)	10.4	[8.2, 13.1]	89.6	[86.9, 91.8]	100.0
Pearson: Uncorrected chi2(1) =	19.8168				
Design-based F(1.00, 2587.00) =	11.0263	Pr =	0.001		
Race/ethnicity					
White, non-Hispanic (n=1,696)	6.5	[5.1, 8.2]	93.5	[91.8, 94.9]	100.0
Black, non-Hispanic (n=421)	11.7	[8.0, 16.7]	88.3	[83.3, 92.0]	100.0
Hispanic (n=169)	5.5	[2.7, 10.6]	94.5	[89.4, 97.3]	100.0
Other, non-Hispanic (n=248)	9.3	[5.6, 14.8]	90.7	[85.2, 94.4]	100.0
Pearson: Uncorrected chi2(3) =	17.2360				
Design-based F(2.85, 7180.55) =	3.1792	Pr =	0.025		
FPL category					
0-35% (n=959)	12.1	[9.8, 14.9]	87.9	[85.1, 90.2]	100.0
36-99% (n=945)	3.0	[2.0, 4.5]	97.0	[95.5, 98.0]	100.0
100%+ (n=695)	3.3	[2.0, 5.4]	96.7	[94.6, 98.0]	100.0
Pearson: Uncorrected chi2(2) =	71.0552				
Design-based F(1.97, 5096.27) =	32.1219	Pr =	0.000		
Region					
UP/NW/NE (n=518)	5.8	[3.9, 8.7]	94.2	[91.3, 96.1]	100.0
W/E Central/E (n=770)	8.6	[6.5, 11.4]	91.4	[88.6, 93.5]	100.0
S Central/SW/SE (n=521)	10.7	[7.7, 14.7]	89.3	[85.3, 92.3]	100.0
Detroit Metro (n=790)	6.9	[4.9, 9.8]	93.1	[90.2, 95.1]	100.0
Pearson: Uncorrected chi2(3) =	8.6564				
Design-based F(2.53, 6552.70) =	1.9113	Pr =	0.136		
Chronic condition (2018 survey or DW)					
Yes (n=1,641)	9.4	[7.6, 11.6]	90.6	[88.4, 92.4]	100.0
No (n=958)	6.0	[4.2, 8.5]	94.0	[91.5, 95.8]	100.0
Pearson: Uncorrected chi2(1) =	10.0748				
Design-based F(1.00, 2587.00) =	4.7774	Pr =	0.029		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	17.2	[12.4, 23.4]	82.8	[76.6, 87.6]	100.0
Mental health condition (n=943)	8.3	[6.2, 11.1]	91.7	[88.9, 93.8]	100.0
Substance use disorder (n=100)	16.7	[8.6, 30.0]	83.3	[70.0, 91.4]	100.0
None (n=1,256)	4.9	[3.4, 7.1]	95.1	[92.9, 96.6]	100.0
Pearson: Uncorrected chi2(3) =	63.9357				
Design-based F(2.97, 7691.69) =	10.6559	Pr =	0.000		
Total (n=2,599)	8.0	[6.7, 9.6]	92.0	[90.4, 93.3]	100.0

Note: Total n is less than universe N due to item non-response.

0.4 Q: How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan?

Universe: All respondents (N=2,602)

	Never		Rarely		Need help reading written materials Sometimes		Often		Always		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,033)	71.0	[67.4, 74.4]	15.2	[12.6, 18.2]	9.9	[7.8, 12.5]	2.0	[1.2, 3.2]	2.0	[1.2, 3.3]	100.0
36-49 (n=695)	71.7	[67.4, 75.7]	8.9	[6.5, 12.0]	12.4	[9.7, 15.7]	2.4	[1.4, 4.1]	4.6	[2.9, 7.0]	100.0
50-64 (n=868)	69.2	[65.3, 72.9]	12.4	[10.0, 15.3]	9.5	[7.4, 12.1]	3.7	[2.5, 5.6]	5.1	[3.4, 7.6]	100.0
Pearson: Uncorrected chi2(8) =	38.5214										
Design-based F(7.76, 20052.48) =	3.3251	Pr =	0.001								
Gender											
Female (n=1,545)	73.7	[70.8, 76.3]	12.1	[10.2, 14.3]	9.3	[7.5, 11.4]	2.1	[1.4, 3.1]	2.8	[2.0, 4.0]	100.0
Male (n=1,051)	68.0	[64.3, 71.4]	13.7	[11.2, 16.7]	11.5	[9.4, 14.1]	2.9	[2.0, 4.2]	3.9	[2.7, 5.7]	100.0
Pearson: Uncorrected chi2(4) =	11.2315										
Design-based F(3.94, 10182.67) =	1.8539	Pr =	0.117								
Race/ethnicity											
White, non-Hispanic (n=1,695)	71.6	[68.7, 74.3]	12.6	[10.6, 15.0]	10.4	[8.7, 12.4]	2.8	[2.0, 3.9]	2.6	[1.8, 3.9]	100.0
Black, non-Hispanic (n=421)	76.2	[70.7, 80.9]	12.1	[8.7, 16.7]	7.3	[4.7, 11.2]	1.4	[0.5, 3.5]	3.0	[1.5, 5.8]	100.0
Hispanic (n=168)	66.9	[58.0, 74.7]	13.6	[8.6, 20.8]	10.9	[6.5, 17.7]	2.7	[0.9, 7.2]	6.0	[2.8, 12.2]	100.0
Other, non-Hispanic (n=246)	59.6	[52.1, 66.7]	15.7	[10.9, 22.0]	15.9	[10.9, 22.6]	2.2	[0.9, 5.0]	6.6	[4.0, 10.7]	100.0
Pearson: Uncorrected chi2(12) =	44.0285										
Design-based F(11.69, 29439.79) =	2.1945	Pr =	0.010								
FPL category											
0-35% (n=959)	67.6	[63.9, 71.1]	14.0	[11.5, 17.0]	11.1	[8.9, 13.8]	2.9	[2.0, 4.1]	4.4	[3.2, 6.2]	100.0
36-99% (n=944)	75.1	[71.8, 78.1]	9.9	[7.9, 12.3]	10.8	[8.7, 13.4]	1.7	[1.0, 3.0]	2.5	[1.6, 3.9]	100.0
100%+ (n=693)	74.0	[70.0, 77.7]	13.9	[11.1, 17.4]	7.9	[6.0, 10.4]	2.5	[1.4, 4.5]	1.7	[0.9, 3.0]	100.0
Pearson: Uncorrected chi2(8) =	27.5716										
Design-based F(7.65, 19758.19) =	2.9872	Pr =	0.003								
Region											
UP/NW/NE (n=518)	73.0	[68.5, 77.1]	10.5	[8.0, 13.6]	10.4	[7.7, 13.9]	4.1	[2.4, 7.1]	2.0	[1.0, 3.9]	100.0
W/E Central/E (n=769)	69.9	[66.0, 73.6]	14.3	[11.6, 17.5]	9.8	[7.6, 12.6]	2.9	[1.8, 4.7]	3.0	[1.9, 4.8]	100.0
S Central/SW/SE (n=522)	68.2	[63.2, 72.9]	13.8	[10.4, 18.0]	11.4	[8.4, 15.2]	2.9	[1.6, 5.2]	3.7	[2.1, 6.6]	100.0
Detroit Metro (n=787)	72.0	[67.9, 75.7]	12.1	[9.5, 15.4]	10.4	[8.1, 13.4]	1.7	[1.0, 2.9]	3.8	[2.5, 5.6]	100.0
Pearson: Uncorrected chi2(12) =	13.1265										
Design-based F(10.60, 27382.79) =	0.8550	Pr =	0.581								
Chronic condition (2018 survey or DW)											
Yes (n=1,640)	68.1	[65.1, 71.0]	13.5	[11.3, 16.0]	10.7	[9.0, 12.8]	3.5	[2.6, 4.6]	4.3	[3.2, 5.7]	100.0
No (n=956)	74.8	[71.1, 78.1]	12.1	[9.8, 14.8]	10.0	[7.8, 12.9]	1.1	[0.6, 2.1]	2.1	[1.2, 3.7]	100.0
Pearson: Uncorrected chi2(4) =	28.3209										
Design-based F(3.94, 10178.62) =	4.2895	Pr =	0.002								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=300)	64.6	[57.6, 71.0]	13.6	[9.2, 19.5]	12.3	[8.4, 17.6]	4.2	[2.4, 7.4]	5.4	[3.0, 9.6]	100.0
Mental health condition (n=943)	69.3	[65.4, 72.9]	13.5	[10.8, 16.6]	10.3	[8.1, 13.0]	2.4	[1.5, 3.8]	4.6	[3.1, 6.7]	100.0
Substance use disorder (n=99)	69.9	[58.0, 79.7]	8.2	[4.5, 14.4]	11.9	[6.0, 22.2]	5.3	[1.9, 13.7]	4.7	[1.1, 18.8]	100.0
None (n=1,254)	73.4	[70.0, 76.5]	12.7	[10.4, 15.5]	10.0	[8.0, 12.4]	1.9	[1.2, 3.0]	2.0	[1.3, 3.1]	100.0
Pearson: Uncorrected chi2(12) =	31.0258										
Design-based F(11.15, 28799.23) =	1.6408	Pr =	0.079								
Total (n=2,596)	70.8	[68.5, 73.0]	12.9	[11.3, 14.7]	10.4	[9.0, 12.1]	2.5	[1.9, 3.3]	3.4	[2.6, 4.4]	100.0

Note: Total n is less than universe N due to item non-response.

0.5 Q: What is the highest grade of school you have completed, or the highest degree you have received?

Universe: All respondents (N=2,602)

	Less than high school Row %	95% CI	High school graduate (or equiv.) Row %	95% CI	Some college Row %	95% CI	Associate's degree Row %	95% CI	Bachelor's degree Row %	95% CI	Post graduate degree Row %	95% CI	Total Row %
Age													
19-35 (n=1,031)	7.6	[5.9, 9.7]	36.8	[33.2, 40.5]	30.5	[27.1, 34.0]	14.0	[11.5, 16.9]	9.3	[7.5, 11.5]	1.9	[1.1, 3.2]	100.0
36-49 (n=694)	11.3	[8.7, 14.4]	39.9	[35.4, 44.6]	22.6	[19.0, 26.7]	14.2	[11.1, 17.9]	9.0	[6.9, 11.8]	3.0	[1.9, 5.0]	100.0
50-64 (n=868)	11.4	[9.1, 14.1]	41.6	[37.7, 45.7]	22.3	[18.9, 26.0]	11.4	[9.1, 14.2]	8.7	[6.9, 11.0]	4.6	[3.1, 6.8]	100.0
Pearson: Uncorrected chi2(10) =	41.3431												
Design-based F(9.67, 24969.21) =	2.9751	Pr =	0.001										
Gender													
Female (n=1,542)	8.3	[6.8, 10.1]	34.4	[31.5, 37.4]	30.1	[27.2, 33.1]	14.2	[12.3, 16.3]	10.1	[8.5, 11.9]	3.0	[2.0, 4.3]	100.0
Male (n=1,051)	10.5	[8.6, 12.8]	42.8	[39.1, 46.6]	23.1	[20.1, 26.5]	12.7	[10.1, 15.8]	8.2	[6.5, 10.3]	2.7	[1.8, 4.0]	100.0
Pearson: Uncorrected chi2(5) =	30.7506												
Design-based F(4.94, 12744.49) =	4.0017	Pr =	0.001										
Race/ethnicity													
White, non-Hispanic (n=1,691)	8.9	[7.4, 10.8]	39.5	[36.5, 42.5]	24.1	[21.7, 26.8]	14.0	[11.9, 16.3]	10.5	[8.8, 12.4]	3.1	[2.2, 4.4]	100.0
Black, non-Hispanic (n=422)	10.6	[7.8, 14.4]	41.8	[36.0, 47.8]	29.8	[24.6, 35.6]	12.6	[9.2, 17.0]	3.0	[1.9, 4.9]	2.2	[1.1, 4.2]	100.0
Hispanic (n=169)	10.8	[6.8, 16.7]	40.5	[31.8, 49.8]	22.3	[15.9, 30.4]	12.1	[6.9, 20.6]	12.5	[7.6, 19.8]	1.8	[0.5, 5.7]	100.0
Other, non-Hispanic (n=247)	10.8	[7.3, 15.7]	31.3	[24.9, 38.6]	33.2	[26.1, 41.0]	10.2	[6.5, 15.6]	11.1	[7.3, 16.5]	3.4	[1.6, 7.1]	100.0
Pearson: Uncorrected chi2(15) =	55.0025												
Design-based F(14.50, 36490.38) =	2.3241	Pr =	0.003										
FPL category													
0-35% (n=959)	10.5	[8.6, 12.8]	40.7	[36.9, 44.5]	26.2	[22.9, 29.8]	12.1	[9.6, 15.1]	7.2	[5.5, 9.3]	3.3	[2.2, 4.8]	100.0
36-99% (n=940)	10.0	[8.0, 12.5]	36.4	[33.0, 40.0]	26.0	[23.0, 29.4]	13.7	[11.5, 16.2]	11.5	[9.4, 13.9]	2.4	[1.5, 3.6]	100.0
100%+ (n=694)	5.3	[3.8, 7.3]	36.1	[32.2, 40.3]	28.1	[24.3, 32.3]	17.0	[14.1, 20.3]	11.3	[8.9, 14.3]	2.1	[1.2, 3.6]	100.0
Pearson: Uncorrected chi2(10) =	36.5999												
Design-based F(9.28, 23943.64) =	3.1740	Pr =	0.001										
Region													
UP/NW/NE (n=517)	9.5	[6.9, 12.9]	44.7	[39.9, 49.6]	20.7	[17.1, 24.9]	13.8	[10.9, 17.2]	8.2	[5.8, 11.5]	3.1	[1.9, 5.0]	100.0
W/E Central/E (n=770)	9.7	[7.4, 12.5]	38.8	[34.9, 42.8]	24.8	[21.5, 28.4]	13.0	[10.5, 15.9]	10.5	[8.4, 13.1]	3.2	[2.0, 5.2]	100.0
S Central/SW/SE (n=521)	9.9	[7.2, 13.4]	41.4	[36.4, 46.5]	25.8	[21.7, 30.3]	9.9	[7.5, 12.9]	10.7	[8.1, 14.1]	2.3	[1.4, 4.0]	100.0
Detroit Metro (n=785)	9.0	[7.1, 11.4]	36.2	[32.1, 40.5]	29.1	[25.3, 33.3]	15.2	[12.2, 18.8]	7.7	[5.9, 10.0]	2.7	[1.7, 4.4]	100.0
Pearson: Uncorrected chi2(15) =	26.5036												
Design-based F(13.16, 33978.19) =	1.5144	Pr =	0.102										
Chronic condition (2018 survey or DW)													
Yes (n=1,642)	10.5	[8.9, 12.3]	38.7	[35.8, 41.7]	25.6	[23.0, 28.4]	14.3	[12.0, 17.0]	8.3	[6.8, 10.0]	2.6	[1.8, 3.7]	100.0
No (n=951)	7.8	[6.0, 10.2]	38.7	[34.7, 42.8]	27.9	[24.4, 31.7]	12.1	[10.0, 14.5]	10.3	[8.3, 12.8]	3.1	[2.0, 4.8]	100.0
Pearson: Uncorrected chi2(5) =	11.7346												
Design-based F(4.96, 12807.60) =	1.5264	Pr =	0.178										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	15.1	[10.9, 20.6]	43.5	[36.7, 50.6]	18.5	[14.0, 24.0]	14.8	[9.8, 21.8]	6.3	[3.8, 10.1]	1.8	[0.7, 4.5]	100.0
Mental health condition (n=942)	8.5	[6.5, 11.0]	38.0	[34.1, 41.9]	25.2	[21.9, 28.8]	15.3	[12.6, 18.5]	10.0	[8.0, 12.5]	3.0	[1.8, 4.9]	100.0
Substance use disorder (n=100)	21.3	[13.5, 31.9]	47.4	[35.9, 59.1]	19.0	[11.9, 28.9]	9.8	[4.4, 20.4]	2.5	[0.8, 8.2]	0.0		100.0
None (n=1,250)	7.7	[6.2, 9.5]	37.3	[33.9, 40.9]	30.1	[26.8, 33.6]	12.1	[9.9, 14.6]	9.7	[7.9, 11.8]	3.2	[2.2, 4.5]	100.0
Pearson: Uncorrected chi2(15) =	72.0931												
Design-based F(14.44, 37275.13) =	3.2576	Pr =	0.000										
Total (n=2,593)	9.4	[8.2, 10.8]	38.7	[36.3, 41.1]	26.5	[24.4, 28.8]	13.4	[11.8, 15.2]	9.1	[7.9, 10.5]	2.8	[2.2, 3.7]	100.0

Note: Total n is less than universe N due to item non-response.

0.6 Q: Are you currently in school?

Universe: All respondents (N=2,602)

| | In school | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,034)	35.8	[32.2, 39.5]	64.2	[60.5, 67.8]	100.0
36-49 (n=695)	5.4	[3.7, 7.9]	94.6	[92.1, 96.3]	100.0
50-64 (n=870)	1.5	[0.8, 2.9]	98.5	[97.1, 99.2]	100.0
Pearson: Uncorrected chi2(2) =	424.9252				
Design-based F(1.95, 5035.87) =	163.9893	Pr =	0.000		
Gender					
Female (n=1,545)	22.5	[19.8, 25.4]	77.5	[74.6, 80.2]	100.0
Male (n=1,054)	17.6	[14.7, 21.0]	82.4	[79.0, 85.3]	100.0
Pearson: Uncorrected chi2(1) =	9.6814				
Design-based F(1.00, 2587.00) =	4.9059	Pr =	0.027		
Race/ethnicity					
White, non-Hispanic (n=1,694)	17.2	[14.8, 19.9]	82.8	[80.1, 85.2]	100.0
Black, non-Hispanic (n=422)	20.9	[16.4, 26.1]	79.1	[73.9, 83.6]	100.0
Hispanic (n=169)	17.7	[11.3, 26.5]	82.3	[73.5, 88.7]	100.0
Other, non-Hispanic (n=248)	33.5	[26.4, 41.4]	66.5	[58.6, 73.6]	100.0
Pearson: Uncorrected chi2(3) =	43.7077				
Design-based F(2.99, 7544.69) =	7.3880	Pr =	0.000		
FPL category					
0-35% (n=959)	18.9	[15.8, 22.4]	81.1	[77.6, 84.2]	100.0
36-99% (n=946)	22.2	[19.2, 25.5]	77.8	[74.5, 80.8]	100.0
100%+ (n=694)	20.2	[16.7, 24.2]	79.8	[75.8, 83.3]	100.0
Pearson: Uncorrected chi2(2) =	3.1956				
Design-based F(1.88, 4860.28) =	1.0897	Pr =	0.333		
Region					
UP/NW/NE (n=518)	11.8	[8.8, 15.7]	88.2	[84.3, 91.2]	100.0
W/E Central/E (n=769)	17.2	[14.1, 20.8]	82.8	[79.2, 85.9]	100.0
S Central/SW/SE (n=523)	19.1	[15.4, 23.4]	80.9	[76.6, 84.6]	100.0
Detroit Metro (n=789)	23.8	[20.2, 27.9]	76.2	[72.1, 79.8]	100.0
Pearson: Uncorrected chi2(3) =	24.0039				
Design-based F(2.66, 6888.88) =	5.9138	Pr =	0.001		
Chronic condition (2018 survey or DW)					
Yes (n=1,642)	13.4	[11.1, 16.1]	86.6	[83.9, 88.9]	100.0
No (n=957)	29.8	[26.2, 33.6]	70.2	[66.4, 73.8]	100.0
Pearson: Uncorrected chi2(1) =	104.2662				
Design-based F(1.00, 2587.00) =	52.3791	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	3.8	[2.0, 6.9]	96.2	[93.1, 98.0]	100.0
Mental health condition (n=942)	18.0	[14.8, 21.7]	82.0	[78.3, 85.2]	100.0
Substance use disorder (n=100)	3.7	[1.5, 9.3]	96.3	[90.7, 98.5]	100.0
None (n=1,256)	26.6	[23.4, 30.1]	73.4	[69.9, 76.6]	100.0
Pearson: Uncorrected chi2(3) =	108.3228				
Design-based F(2.76, 7142.58) =	27.1519	Pr =	0.000		
Total (n=2,599)	20.0	[18.0, 22.2]	80.0	[77.8, 82.0]	100.0

Note: Total n is less than universe N due to item non-response.

0.6.1 Q: Are you a full-time or part-time student?

Universe: Respondents who were in school (N=396)

	Full-time Row %	95% CI	Part-time Row %	95% CI	Total Row %
Age					
19-35 (n=344)	75.1	[68.9, 80.5]	24.9	[19.5, 31.1]	100.0
36-49 (n=40)	49.0	[30.2, 68.0]	51.0	[32.0, 69.8]	100.0
50-64 (n=12)	57.8	[25.1, 84.9]	42.2	[15.1, 74.9]	100.0
Pearson: Uncorrected chi2(2) =	9.6885				
Design-based F(1.96, 752.01) =	4.6965	Pr =	0.010		
Gender					
Female (n=252)	78.0	[71.6, 83.3]	22.0	[16.7, 28.4]	100.0
Male (n=144)	66.8	[56.5, 75.8]	33.2	[24.2, 43.5]	100.0
Pearson: Uncorrected chi2(1) =	6.2336				
Design-based F(1.00, 384.00) =	4.0393	Pr =	0.045		
Race/ethnicity					
White, non-Hispanic (n=216)	76.6	[69.2, 82.7]	23.4	[17.3, 30.8]	100.0
Black, non-Hispanic (n=76)	71.3	[57.4, 82.1]	28.7	[17.9, 42.6]	100.0
Hispanic (n=27)	50.2	[27.6, 72.8]	49.8	[27.2, 72.4]	100.0
Other, non-Hispanic (n=67)	75.1	[59.7, 86.0]	24.9	[14.0, 40.3]	100.0
Pearson: Uncorrected chi2(3) =	8.0608				
Design-based F(2.96, 1108.87) =	1.6349	Pr =	0.180		
FPL category					
0-35% (n=127)	70.1	[60.0, 78.6]	29.9	[21.4, 40.0]	100.0
36-99% (n=166)	72.3	[64.2, 79.2]	27.7	[20.8, 35.8]	100.0
100%+ (n=103)	82.0	[73.2, 88.3]	18.0	[11.7, 26.8]	100.0
Pearson: Uncorrected chi2(2) =	3.9720				
Design-based F(1.84, 704.73) =	1.7833	Pr =	0.172		
Region					
UP/NW/NE (n=50)	69.4	[52.5, 82.3]	30.6	[17.7, 47.5]	100.0
W/E Central/E (n=106)	65.2	[53.9, 74.9]	34.8	[25.1, 46.1]	100.0
S Central/SW/SE (n=84)	74.7	[62.5, 84.0]	25.3	[16.0, 37.5]	100.0
Detroit Metro (n=156)	76.2	[66.8, 83.7]	23.8	[16.3, 33.2]	100.0
Pearson: Uncorrected chi2(3) =	4.2393				
Design-based F(2.67, 1024.85) =	1.2138	Pr =	0.303		
Chronic condition (2018 survey or DW)					
Yes (n=153)	70.8	[60.5, 79.3]	29.2	[20.7, 39.5]	100.0
No (n=243)	74.5	[67.3, 80.6]	25.5	[19.4, 32.7]	100.0
Pearson: Uncorrected chi2(1) =	0.6708				
Design-based F(1.00, 384.00) =	0.4069	Pr =	0.524		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=12)	48.4	[21.1, 76.6]	51.6	[23.4, 78.9]	100.0
Mental health condition (n=129)	79.0	[68.2, 86.8]	21.0	[13.2, 31.8]	100.0
Substance use disorder (n=5)	82.3	[33.3, 97.7]	17.7	[2.3, 66.7]	100.0
None (n=250)	71.1	[63.6, 77.6]	28.9	[22.4, 36.4]	100.0
Pearson: Uncorrected chi2(3) =	5.6596				
Design-based F(2.55, 979.33) =	1.8128	Pr =	0.152		
Total (n=396)	73.0	[67.1, 78.2]	27.0	[21.8, 32.9]	100.0

0.7   Q: Are you currently employed or self-employed?

Universe: All respondents (N=2,602)

| | Employed/Self-employed | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,032)	64.9	[61.2, 68.5]	35.1	[31.5, 38.8]	100.0
36-49 (n=695)	58.3	[53.7, 62.8]	41.7	[37.2, 46.3]	100.0
50-64 (n=868)	32.8	[29.4, 36.5]	67.2	[63.5, 70.6]	100.0
Pearson: Uncorrected chi2(2) =	175.4995				
Design-based F(1.91, 4928.44) =	60.8174	Pr =	0.000		
Gender					
Female (n=1,544)	56.2	[53.1, 59.1]	43.8	[40.9, 46.9]	100.0
Male (n=1,051)	55.4	[51.7, 59.1]	44.6	[40.9, 48.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1486				
Design-based F(1.00, 2583.00) =	0.0909	Pr =	0.763		
Race/ethnicity					
White, non-Hispanic (n=1,694)	54.5	[51.6, 57.4]	45.5	[42.6, 48.4]	100.0
Black, non-Hispanic (n=420)	59.6	[53.8, 65.3]	40.4	[34.7, 46.2]	100.0
Hispanic (n=169)	58.7	[49.6, 67.3]	41.3	[32.7, 50.4]	100.0
Other, non-Hispanic (n=246)	52.5	[44.9, 60.0]	47.5	[40.0, 55.1]	100.0
Pearson: Uncorrected chi2(3) =	6.3610				
Design-based F(2.98, 7488.64) =	1.2006	Pr =	0.308		
FPL category					
0-35% (n=957)	39.0	[35.2, 42.9]	61.0	[57.1, 64.8]	100.0
36-99% (n=944)	73.5	[70.3, 76.5]	26.5	[23.5, 29.7]	100.0
100%+ (n=694)	79.5	[76.0, 82.6]	20.5	[17.4, 24.0]	100.0
Pearson: Uncorrected chi2(2) =	361.1395				
Design-based F(1.89, 4875.45) =	156.4683	Pr =	0.000		
Region					
UP/NW/NE (n=518)	53.9	[49.6, 58.2]	46.1	[41.8, 50.4]	100.0
W/E Central/E (n=768)	52.5	[48.8, 56.3]	47.5	[43.7, 51.2]	100.0
S Central/SW/SE (n=522)	55.2	[50.5, 59.9]	44.8	[40.1, 49.5]	100.0
Detroit Metro (n=787)	58.4	[54.2, 62.5]	41.6	[37.5, 45.8]	100.0
Pearson: Uncorrected chi2(3) =	6.5847				
Design-based F(2.57, 6627.04) =	1.9723	Pr =	0.126		
Chronic condition (2018 survey or DW)					
Yes (n=1,640)	49.1	[46.1, 52.0]	50.9	[48.0, 53.9]	100.0
No (n=955)	65.8	[61.7, 69.6]	34.2	[30.4, 38.3]	100.0
Pearson: Uncorrected chi2(1) =	70.5289				
Design-based F(1.00, 2583.00) =	40.1160	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	44.8	[37.9, 51.9]	55.2	[48.1, 62.1]	100.0
Mental health condition (n=942)	52.2	[48.3, 56.1]	47.8	[43.9, 51.7]	100.0
Substance use disorder (n=99)	51.3	[39.6, 62.8]	48.7	[37.2, 60.4]	100.0
None (n=1,253)	61.2	[57.7, 64.6]	38.8	[35.4, 42.3]	100.0
Pearson: Uncorrected chi2(3) =	36.6511				
Design-based F(2.99, 7711.27) =	7.7215	Pr =	0.000		
Total (n=2,595)	55.8	[53.4, 58.1]	44.2	[41.9, 46.6]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.1 Q: Are you working full-time or part-time?

Universe: Respondents who were employed/self-employed (N=1,517)

| | Employment status - Full-time/Part-time | | | | |
| | Full-time | | Part-time | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=721)	49.7	[45.2, 54.2]	50.3	[45.8, 54.8]	100.0
36-49 (n=433)	57.7	[51.8, 63.4]	42.3	[36.6, 48.2]	100.0
50-64 (n=356)	34.4	[28.6, 40.7]	65.6	[59.3, 71.4]	100.0
Pearson: Uncorrected chi2(2) =	29.7764				
Design-based F(1.88, 2822.52) =	11.5267	Pr =	0.000		
Gender					
Female (n=919)	43.7	[39.8, 47.6]	56.3	[52.4, 60.2]	100.0
Male (n=591)	55.7	[50.8, 60.6]	44.3	[39.4, 49.2]	100.0
Pearson: Uncorrected chi2(1) =	21.9865				
Design-based F(1.00, 1498.00) =	13.8638	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=967)	48.6	[44.7, 52.6]	51.4	[47.4, 55.3]	100.0
Black, non-Hispanic (n=260)	54.3	[46.6, 61.9]	45.7	[38.1, 53.4]	100.0
Hispanic (n=107)	51.7	[40.1, 63.2]	48.3	[36.8, 59.9]	100.0
Other, non-Hispanic (n=137)	49.0	[39.2, 58.9]	51.0	[41.1, 60.8]	100.0
Pearson: Uncorrected chi2(3) =	3.4742				
Design-based F(2.96, 4325.51) =	0.6507	Pr =	0.581		
FPL category					
0-35% (n=303)	52.6	[46.0, 59.1]	47.4	[40.9, 54.0]	100.0
36-99% (n=674)	44.0	[39.9, 48.3]	56.0	[51.7, 60.1]	100.0
100%+ (n=533)	53.2	[48.4, 58.0]	46.8	[42.0, 51.6]	100.0
Pearson: Uncorrected chi2(2) =	10.7438				
Design-based F(1.80, 2696.39) =	3.6033	Pr =	0.032		
Region					
UP/NW/NE (n=277)	49.5	[43.1, 56.1]	50.5	[43.9, 56.9]	100.0
W/E Central/E (n=436)	48.5	[43.2, 53.8]	51.5	[46.2, 56.8]	100.0
S Central/SW/SE (n=307)	47.0	[40.4, 53.6]	53.0	[46.4, 59.6]	100.0
Detroit Metro (n=490)	51.7	[46.2, 57.1]	48.3	[42.9, 53.8]	100.0
Pearson: Uncorrected chi2(3) =	2.2150				
Design-based F(2.66, 3980.96) =	0.6065	Pr =	0.591		
Chronic condition (2018 survey or DW)					
Yes (n=848)	48.0	[43.6, 52.5]	52.0	[47.5, 56.4]	100.0
No (n=662)	51.7	[47.0, 56.4]	48.3	[43.6, 53.0]	100.0
Pearson: Uncorrected chi2(1) =	2.0494				
Design-based F(1.00, 1498.00) =	1.2438	Pr =	0.265		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=134)	50.5	[39.8, 61.1]	49.5	[38.9, 60.2]	100.0
Mental health condition (n=533)	45.7	[40.6, 51.0]	54.3	[49.0, 59.4]	100.0
Substance use disorder (n=48)	53.8	[36.9, 69.9]	46.2	[30.1, 63.1]	100.0
None (n=795)	51.6	[47.2, 56.1]	48.4	[43.9, 52.8]	100.0
Pearson: Uncorrected chi2(3) =	4.5831				
Design-based F(2.97, 4454.04) =	0.9268	Pr =	0.426		
Total (n=1,510)	49.8	[46.6, 53.0]	50.2	[47.0, 53.4]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.2 Q: Have you changed jobs in the last 12 months?

Universe: Respondents who were employed/self-employed (N=1,517)

| | Job change in last 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=722)	35.9	[31.6, 40.4]	64.1	[59.6, 68.4]	100.0
36-49 (n=433)	21.3	[16.7, 26.6]	78.7	[73.4, 83.3]	100.0
50-64 (n=359)	19.2	[14.2, 25.3]	80.8	[74.7, 85.8]	100.0
Pearson: Uncorrected chi2(2) =	41.3976				
Design-based F(1.94, 2910.43) =	14.6942	Pr =	0.000		
Gender					
Female (n=922)	26.8	[23.4, 30.5]	73.2	[69.5, 76.6]	100.0
Male (n=592)	32.5	[27.8, 37.7]	67.5	[62.3, 72.2]	100.0
Pearson: Uncorrected chi2(1) =	5.9822				
Design-based F(1.00, 1502.00) =	3.4949	Pr =	0.062		
Race/ethnicity					
White, non-Hispanic (n=970)	29.2	[25.5, 33.2]	70.8	[66.8, 74.5]	100.0
Black, non-Hispanic (n=260)	28.1	[21.6, 35.5]	71.9	[64.5, 78.4]	100.0
Hispanic (n=107)	44.1	[32.6, 56.3]	55.9	[43.7, 67.4]	100.0
Other, non-Hispanic (n=138)	24.2	[16.7, 33.7]	75.8	[66.3, 83.3]	100.0
Pearson: Uncorrected chi2(3) =	14.2063				
Design-based F(2.98, 4357.12) =	2.5679	Pr =	0.053		
FPL category					
0-35% (n=303)	36.5	[30.2, 43.2]	63.5	[56.8, 69.8]	100.0
36-99% (n=676)	25.0	[21.4, 28.9]	75.0	[71.1, 78.6]	100.0
100%+ (n=535)	26.1	[21.9, 30.7]	73.9	[69.3, 78.1]	100.0
Pearson: Uncorrected chi2(2) =	20.9119				
Design-based F(1.82, 2736.36) =	6.7972	Pr =	0.002		
Region					
UP/NW/NE (n=279)	25.9	[20.3, 32.4]	74.1	[67.6, 79.7]	100.0
W/E Central/E (n=435)	28.7	[24.0, 33.9]	71.3	[66.1, 76.0]	100.0
S Central/SW/SE (n=307)	36.5	[30.2, 43.4]	63.5	[56.6, 69.8]	100.0
Detroit Metro (n=493)	28.0	[23.1, 33.5]	72.0	[66.5, 76.9]	100.0
Pearson: Uncorrected chi2(3) =	8.6360				
Design-based F(2.64, 3961.44) =	2.1622	Pr =	0.099		
Chronic condition (2018 survey or DW)					
Yes (n=849)	27.7	[23.7, 32.0]	72.3	[68.0, 76.3]	100.0
No (n=665)	31.9	[27.5, 36.6]	68.1	[63.4, 72.5]	100.0
Pearson: Uncorrected chi2(1) =	3.2276				
Design-based F(1.00, 1502.00) =	1.8092	Pr =	0.179		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=134)	34.7	[25.2, 45.6]	65.3	[54.4, 74.8]	100.0
Mental health condition (n=534)	31.5	[26.7, 36.8]	68.5	[63.2, 73.3]	100.0
Substance use disorder (n=49)	16.1	[7.6, 30.9]	83.9	[69.1, 92.4]	100.0
None (n=797)	28.6	[24.5, 33.1]	71.4	[66.9, 75.5]	100.0
Pearson: Uncorrected chi2(3) =	7.8581				
Design-based F(2.95, 4426.61) =	1.6128	Pr =	0.185		
Total (n=1,514)	29.7	[26.7, 32.8]	70.3	[67.2, 73.3]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.3 Q: Are you out of work, unable to work, retired, or not looking for work at this time?

Universe: Respondents who were not employed/self-employed (N=1,078)

	Out of work Row %	95% CI	Unable to work Row %	95% CI	Unemployed status Retired Row %	95% CI	Not looking for work Row %	95% CI	Total Row %
Age									
19-35 (n=304)	46.1	[39.3, 53.1]	12.7	[9.0, 17.6]	0.2	[0.0, 1.7]	40.9	[34.4, 47.8]	100.0
36-49 (n=260)	41.2	[34.0, 48.8]	43.1	[36.0, 50.4]	2.6	[1.0, 6.6]	13.1	[9.8, 17.3]	100.0
50-64 (n=504)	19.1	[15.3, 23.6]	49.3	[44.1, 54.6]	24.0	[19.9, 28.6]	7.5	[5.3, 10.5]	100.0
Pearson: Uncorrected chi2(6) =	388.8155								
Design-based F(5.70, 6016.29) =	49.0351	Pr =	0.000						
Gender									
Female (n=614)	26.5	[22.3, 31.2]	31.8	[27.7, 36.3]	9.6	[7.3, 12.5]	32.1	[27.7, 36.8]	100.0
Male (n=454)	43.7	[38.0, 49.6]	34.4	[29.3, 39.7]	9.0	[6.7, 11.9]	13.0	[9.3, 17.9]	100.0
Pearson: Uncorrected chi2(3) =	66.5356								
Design-based F(2.83, 2992.96) =	14.4817	Pr =	0.000						
Race/ethnicity									
White, non-Hispanic (n=717)	31.8	[27.4, 36.6]	34.0	[30.0, 38.3]	11.9	[9.5, 14.8]	22.2	[18.3, 26.6]	100.0
Black, non-Hispanic (n=158)	47.1	[38.0, 56.3]	37.2	[29.0, 46.3]	5.3	[2.9, 9.5]	10.4	[5.8, 18.0]	100.0
Hispanic (n=62)	40.5	[27.4, 55.1]	34.1	[22.0, 48.6]	6.7	[2.6, 15.9]	18.8	[10.1, 32.4]	100.0
Other, non-Hispanic (n=108)	31.1	[20.9, 43.5]	21.2	[13.9, 31.0]	5.2	[2.1, 12.4]	42.4	[31.9, 53.7]	100.0
Pearson: Uncorrected chi2(9) =	68.7275								
Design-based F(8.59, 8872.66) =	4.8528	Pr =	0.000						
FPL category									
0-35% (n=645)	37.3	[32.7, 42.1]	37.4	[33.2, 41.9]	9.6	[7.5, 12.1]	15.7	[12.2, 20.0]	100.0
36-99% (n=264)	31.1	[25.2, 37.7]	21.3	[16.8, 26.7]	8.3	[5.7, 12.0]	39.3	[33.0, 45.9]	100.0
100%+ (n=159)	26.8	[19.6, 35.4]	17.9	[12.6, 24.8]	8.1	[4.6, 14.0]	47.2	[38.3, 56.3]	100.0
Pearson: Uncorrected chi2(6) =	86.2408								
Design-based F(5.46, 5766.16) =	16.8237	Pr =	0.000						
Region									
UP/NW/NE (n=237)	28.6	[22.4, 35.8]	41.7	[35.1, 48.7]	13.2	[9.5, 18.1]	16.5	[11.8, 22.6]	100.0
W/E Central/E (n=327)	31.9	[26.3, 38.2]	36.7	[31.0, 42.8]	13.4	[10.0, 17.7]	18.0	[13.4, 23.6]	100.0
S Central/SW/SE (n=213)	35.7	[28.4, 43.8]	33.7	[27.0, 41.1]	7.7	[4.8, 12.2]	22.9	[17.2, 29.7]	100.0
Detroit Metro (n=291)	39.1	[32.4, 46.3]	28.3	[22.9, 34.5]	6.2	[3.9, 9.7]	26.3	[20.9, 32.7]	100.0
Pearson: Uncorrected chi2(9) =	30.4274								
Design-based F(7.78, 8219.00) =	2.9122	Pr =	0.003						
Chronic condition (2018 survey or DW)									
Yes (n=783)	30.0	[25.9, 34.4]	45.1	[40.9, 49.4]	11.3	[9.1, 13.9]	13.6	[10.9, 16.9]	100.0
No (n=285)	47.5	[40.1, 54.9]	6.1	[3.9, 9.4]	4.6	[2.7, 7.8]	41.8	[34.7, 49.2]	100.0
Pearson: Uncorrected chi2(3) =	215.5745								
Design-based F(2.84, 3001.07) =	52.8403	Pr =	0.000						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=167)	30.9	[22.6, 40.6]	57.7	[48.2, 66.7]	3.5	[1.7, 7.2]	7.9	[4.1, 14.6]	100.0
Mental health condition (n=401)	29.9	[24.3, 36.3]	40.4	[34.7, 46.4]	11.1	[8.1, 15.1]	18.5	[14.2, 23.8]	100.0
Substance use disorder (n=49)	45.6	[29.7, 62.5]	27.7	[15.5, 44.5]	13.1	[6.1, 25.7]	13.6	[6.2, 27.2]	100.0
None (n=451)	40.3	[34.5, 46.4]	18.9	[15.2, 23.4]	9.5	[7.1, 12.6]	31.2	[26.0, 37.1]	100.0
Pearson: Uncorrected chi2(9) =	120.0420								
Design-based F(8.51, 8983.83) =	10.1370	Pr =	0.000						
Total (n=1,068)	35.4	[31.7, 39.2]	33.1	[29.8, 36.6]	9.3	[7.6, 11.3]	22.3	[19.3, 25.6]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.3.1 Q: How long have you been out of work?

Universe: Respondents who were out of work (N=310)

	Time out of work				Total
	Less than one year		**One year or more**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=129)	56.6	[45.8, 66.9]	43.4	[33.1, 54.2]	100.0
36-49 (n=88)	48.6	[36.0, 61.3]	51.4	[38.7, 64.0]	100.0
50-64 (n=90)	24.8	[16.2, 36.1]	75.2	[63.9, 83.8]	100.0
Pearson: Uncorrected chi2(2) =	17.5551				
Design-based F(1.87, 551.06) =	6.6610	Pr =	0.002		
Gender					
Female (n=141)	45.8	[36.0, 56.0]	54.2	[44.0, 64.0]	100.0
Male (n=166)	49.6	[40.1, 59.1]	50.4	[40.9, 59.9]	100.0
Pearson: Uncorrected chi2(1) =	0.4074				
Design-based F(1.00, 295.00) =	0.2827	Pr =	0.595		
Race/ethnicity					
White, non-Hispanic (n=183)	40.9	[32.3, 50.2]	59.1	[49.8, 67.7]	100.0
Black, non-Hispanic (n=67)	55.8	[41.5, 69.1]	44.2	[30.9, 58.5]	100.0
Hispanic (n=22)	50.1	[28.0, 72.1]	49.9	[27.9, 72.0]	100.0
Other, non-Hispanic (n=29)	52.5	[29.7, 74.2]	47.5	[25.8, 70.3]	100.0
Pearson: Uncorrected chi2(3) =	5.3798				
Design-based F(2.92, 842.82) =	1.0746	Pr =	0.358		
FPL category					
0-35% (n=191)	44.3	[35.9, 53.0]	55.7	[47.0, 64.1]	100.0
36-99% (n=76)	64.6	[52.1, 75.4]	35.4	[24.6, 47.9]	100.0
100%+ (n=40)	60.7	[42.7, 76.2]	39.3	[23.8, 57.3]	100.0
Pearson: Uncorrected chi2(2) =	7.3543				
Design-based F(1.96, 576.99) =	4.6116	Pr =	0.011		
Region					
UP/NW/NE (n=59)	55.2	[41.0, 68.6]	44.8	[31.4, 59.0]	100.0
W/E Central/E (n=91)	46.2	[34.8, 58.0]	53.8	[42.0, 65.2]	100.0
S Central/SW/SE (n=64)	54.0	[39.7, 67.6]	46.0	[32.4, 60.3]	100.0
Detroit Metro (n=93)	45.7	[33.7, 58.1]	54.3	[41.9, 66.3]	100.0
Pearson: Uncorrected chi2(3) =	1.8024				
Design-based F(2.58, 759.80) =	0.4971	Pr =	0.656		
Chronic condition (2018 survey or DW)					
Yes (n=194)	45.9	[37.2, 54.8]	54.1	[45.2, 62.8]	100.0
No (n=113)	51.7	[40.1, 63.1]	48.3	[36.9, 59.9]	100.0
Pearson: Uncorrected chi2(1) =	0.9957				
Design-based F(1.00, 295.00) =	0.6045	Pr =	0.437		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=48)	61.2	[43.8, 76.2]	38.8	[23.8, 56.2]	100.0
Mental health condition (n=98)	58.3	[45.8, 69.8]	41.7	[30.2, 54.2]	100.0
Substance use disorder (n=17)	61.3	[34.2, 82.9]	38.7	[17.1, 65.8]	100.0
None (n=144)	37.1	[28.0, 47.4]	62.9	[52.6, 72.0]	100.0
Pearson: Uncorrected chi2(3) =	15.4226				
Design-based F(2.98, 879.99) =	3.6807	Pr =	0.012		
Total (n=307)	48.2	[41.2, 55.4]	51.8	[44.6, 58.8]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.3.2 Q: How long have you been unable to work?

Universe: Respondents who were unable to work (N=393)

| | Time unable to work | | | | |
| | Less than one year | | One year or more | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=41)	33.5	[19.0, 52.0]	66.5	[48.0, 81.0]	100.0
36-49 (n=110)	16.6	[9.7, 26.8]	83.4	[73.2, 90.3]	100.0
50-64 (n=240)	14.7	[10.4, 20.5]	85.3	[79.5, 89.6]	100.0
Pearson: Uncorrected chi2(2) =	11.4032				
Design-based F(1.95, 740.16) =	3.4785	Pr =	0.032		
Gender					
Female (n=214)	18.3	[13.1, 25.0]	81.7	[75.0, 86.9]	100.0
Male (n=177)	18.1	[12.0, 26.4]	81.9	[73.6, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0017				
Design-based F(1.00, 379.00) =	0.0012	Pr =	0.973		
Race/ethnicity					
White, non-Hispanic (n=274)	16.1	[11.5, 22.1]	83.9	[77.9, 88.5]	100.0
Black, non-Hispanic (n=60)	32.1	[19.9, 47.2]	67.9	[52.8, 80.1]	100.0
Hispanic (n=21)	19.8	[7.8, 41.9]	80.2	[58.1, 92.2]	100.0
Other, non-Hispanic (n=27)	2.5	[0.3, 16.3]	97.5	[83.7, 99.7]	100.0
Pearson: Uncorrected chi2(3) =	16.7942				
Design-based F(2.79, 1030.96) =	4.3437	Pr =	0.006		
FPL category					
0-35% (n=288)	17.1	[12.4, 23.1]	82.9	[76.9, 87.6]	100.0
36-99% (n=67)	25.6	[15.9, 38.6]	74.4	[61.4, 84.1]	100.0
100%+ (n=36)	21.0	[9.2, 41.1]	79.0	[58.9, 90.8]	100.0
Pearson: Uncorrected chi2(2) =	1.8592				
Design-based F(1.98, 749.55) =	1.1259	Pr =	0.324		
Region					
UP/NW/NE (n=100)	8.7	[4.6, 15.9]	91.3	[84.1, 95.4]	100.0
W/E Central/E (n=129)	19.8	[12.9, 29.1]	80.2	[70.9, 87.1]	100.0
S Central/SW/SE (n=74)	15.8	[8.4, 27.8]	84.2	[72.2, 91.6]	100.0
Detroit Metro (n=88)	21.3	[13.3, 32.4]	78.7	[67.6, 86.7]	100.0
Pearson: Uncorrected chi2(3) =	4.2337				
Design-based F(2.56, 968.60) =	1.1716	Pr =	0.317		
Chronic condition (2018 survey or DW)					
Yes (n=367)	18.3	[13.9, 23.7]	81.7	[76.3, 86.1]	100.0
No (n=24)	16.6	[5.3, 41.5]	83.4	[58.5, 94.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0410				
Design-based F(1.00, 379.00) =	0.0314	Pr =	0.859		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=96)	18.8	[11.3, 29.6]	81.2	[70.4, 88.7]	100.0
Mental health condition (n=176)	11.1	[6.7, 17.8]	88.9	[82.2, 93.3]	100.0
Substance use disorder (n=16)	46.7	[19.8, 75.6]	53.3	[24.4, 80.2]	100.0
None (n=103)	25.6	[16.4, 37.6]	74.4	[62.4, 83.6]	100.0
Pearson: Uncorrected chi2(3) =	17.0051				
Design-based F(2.99, 1134.06) =	3.9350	Pr =	0.008		
Total (n=391)	18.2	[13.9, 23.4]	81.8	[76.6, 86.1]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.3.2.1 Q: Why are you unable to work?

Universe: Respondents who were unable to work (N=393)

	Disabled		Poor health		**Reason unable to work** Caregiving responsibilities		Other		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=41)	23.8	[12.0, 41.7]	60.2	[42.8, 75.4]	11.1	[4.8, 23.5]	4.9	[1.4, 15.8]	100.0
36-49 (n=109)	22.3	[14.6, 32.6]	75.4	[65.2, 83.4]	2.2	[0.8, 6.2]	0.0		100.0
50-64 (n=235)	37.5	[30.4, 45.2]	60.4	[52.7, 67.6]	1.7	[0.7, 4.4]	0.3	[0.0, 2.3]	100.0
Pearson: Uncorrected chi2(6) =	34.2443								
Design-based F(5.33, 1987.56) =	4.8267	Pr =	0.000						
Gender									
Female (n=210)	26.9	[20.3, 34.8]	64.7	[56.7, 72.0]	6.4	[3.6, 11.2]	2.0	[0.7, 5.8]	100.0
Male (n=175)	33.7	[26.2, 42.1]	65.6	[57.1, 73.1]	0.8	[0.2, 3.0]	0.0		100.0
Pearson: Uncorrected chi2(3) =	14.5285								
Design-based F(2.88, 1074.19) =	4.3973	Pr =	0.005						
Race/ethnicity									
White, non-Hispanic (n=270)	29.5	[23.5, 36.3]	66.4	[59.5, 72.6]	3.1	[1.6, 6.0]	1.0	[0.3, 3.5]	100.0
Black, non-Hispanic (n=58)	28.9	[17.6, 43.8]	68.7	[53.8, 80.6]	2.3	[0.3, 15.1]	0.0		100.0
Hispanic (n=21)	42.8	[21.6, 67.1]	50.8	[27.9, 73.3]	6.4	[1.5, 23.8]	0.0		100.0
Other, non-Hispanic (n=27)	37.0	[19.6, 58.6]	54.2	[33.4, 73.6]	4.7	[1.1, 17.7]	4.0	[0.6, 24.1]	100.0
Pearson: Uncorrected chi2(9) =	9.0838								
Design-based F(8.39, 3053.85) =	0.7220	Pr =	0.679						
FPL category									
0-35% (n=284)	30.8	[25.0, 37.2]	65.9	[59.3, 71.9]	2.6	[1.3, 5.1]	0.8	[0.2, 3.1]	100.0
36-99% (n=67)	27.5	[17.4, 40.5]	63.0	[49.5, 74.7]	7.9	[2.8, 20.2]	1.6	[0.2, 11.0]	100.0
100%+ (n=34)	33.7	[17.3, 55.2]	56.9	[37.2, 74.6]	7.5	[1.7, 27.2]	2.0	[0.3, 13.0]	100.0
Pearson: Uncorrected chi2(6) =	4.9421								
Design-based F(5.71, 2129.31) =	1.0867	Pr =	0.367						
Region									
UP/NW/NE (n=100)	32.7	[23.4, 43.6]	61.8	[50.9, 71.7]	4.7	[1.7, 12.6]	0.7	[0.1, 5.2]	100.0
W/E Central/E (n=126)	33.9	[24.9, 44.2]	60.1	[49.9, 69.5]	4.5	[2.0, 9.4]	1.6	[0.4, 6.7]	100.0
S Central/SW/SE (n=73)	40.9	[29.1, 53.9]	56.7	[43.8, 68.8]	0.7	[0.1, 5.1]	1.6	[0.2, 10.8]	100.0
Detroit Metro (n=86)	20.8	[12.7, 32.0]	75.8	[64.5, 84.4]	3.4	[1.2, 9.6]	0.0		100.0
Pearson: Uncorrected chi2(9) =	15.9085								
Design-based F(7.58, 2827.18) =	1.7609	Pr =	0.084						
Chronic condition (2018 survey or DW)									
Yes (n=361)	30.4	[25.1, 36.3]	66.7	[60.7, 72.1]	1.9	[1.0, 3.7]	1.0	[0.3, 2.9]	100.0
No (n=24)	32.7	[15.4, 56.5]	40.7	[22.3, 62.2]	26.6	[11.5, 50.2]	0.0		100.0
Pearson: Uncorrected chi2(3) =	40.2562								
Design-based F(2.97, 1108.70) =	12.3241	Pr =	0.000						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=95)	28.5	[19.0, 40.4]	70.9	[59.1, 80.5]	0.6	[0.1, 4.2]	0.0		100.0
Mental health condition (n=173)	35.1	[27.1, 44.2]	59.2	[50.3, 67.6]	3.5	[1.6, 7.5]	2.1	[0.7, 6.2]	100.0
Substance use disorder (n=16)	24.5	[8.8, 52.1]	75.5	[47.9, 91.2]	0.0		0.0		100.0
None (n=101)	25.7	[17.3, 36.5]	67.6	[56.5, 77.1]	6.6	[3.0, 14.2]	0.0		100.0
Pearson: Uncorrected chi2(9) =	14.6247								
Design-based F(8.36, 3117.41) =	1.3982	Pr =	0.189						
Total (n=385)	30.5	[25.4, 36.3]	65.2	[59.4, 70.5]	3.4	[2.0, 5.7]	0.9	[0.3, 2.7]	100.0

Note: Total n is less than universe N due to item non-response.

0.7.3.3 Q: How long have you been retired?

Universe: Respondents who were retired (N=135)

	Less than one year Row %	95% CI	One year or more Row %	95% CI	Total Row %
Age					
19-35 (n=1)	0.0		100.0		100.0
36-49 (n=5)	8.1	[0.9, 44.9]	91.9	[55.1, 99.1]	100.0
50-64 (n=129)	12.4	[7.1, 20.7]	87.6	[79.3, 92.9]	100.0
Pearson: Uncorrected chi2(2) =	0.3508				
Design-based F(1.90, 233.19) =	0.1504	Pr =	0.850		
Gender					
Female (n=71)	13.9	[6.4, 27.5]	86.1	[72.5, 93.6]	100.0
Male (n=64)	10.1	[5.0, 19.2]	89.9	[80.8, 95.0]	100.0
Pearson: Uncorrected chi2(1) =	0.4581				
Design-based F(1.00, 123.00) =	0.4024	Pr =	0.527		
Race/ethnicity					
White, non-Hispanic (n=110)	14.9	[8.5, 24.9]	85.1	[75.1, 91.5]	100.0
Black, non-Hispanic (n=14)	6.9	[1.6, 24.9]	93.1	[75.1, 98.4]	100.0
Hispanic (n=5)	0.0		100.0		100.0
Other, non-Hispanic (n=5)	0.0		100.0		100.0
Pearson: Uncorrected chi2(3) =	3.3974				
Design-based F(2.56, 311.74) =	0.8795	Pr =	0.438		
FPL category					
0-35% (n=88)	12.6	[6.7, 22.5]	87.4	[77.5, 93.3]	100.0
36-99% (n=31)	10.6	[3.6, 27.7]	89.4	[72.3, 96.4]	100.0
100%+ (n=16)	8.1	[2.1, 26.3]	91.9	[73.7, 97.9]	100.0
Pearson: Uncorrected chi2(2) =	0.2220				
Design-based F(1.85, 227.40) =	0.1864	Pr =	0.813		
Region					
UP/NW/NE (n=39)	16.1	[6.9, 33.1]	83.9	[66.9, 93.1]	100.0
W/E Central/E (n=51)	10.6	[4.6, 22.7]	89.4	[77.3, 95.4]	100.0
S Central/SW/SE (n=21)	10.5	[2.5, 34.9]	89.5	[65.1, 97.5]	100.0
Detroit Metro (n=24)	12.9	[3.7, 36.1]	87.1	[63.9, 96.3]	100.0
Pearson: Uncorrected chi2(3) =	0.4661				
Design-based F(2.70, 331.68) =	0.1299	Pr =	0.928		
Chronic condition (2018 survey or DW)					
Yes (n=113)	11.8	[6.5, 20.7]	88.2	[79.3, 93.5]	100.0
No (n=22)	12.7	[4.1, 33.0]	87.3	[67.0, 95.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0116				
Design-based F(1.00, 123.00) =	0.0123	Pr =	0.912		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=9)	7.2	[0.9, 39.6]	92.8	[60.4, 99.1]	100.0
Mental health condition (n=52)	15.2	[6.9, 30.4]	84.8	[69.6, 93.1]	100.0
Substance use disorder (n=9)	15.5	[3.3, 49.9]	84.5	[50.1, 96.7]	100.0
None (n=65)	9.0	[3.9, 19.4]	91.0	[80.6, 96.1]	100.0
Pearson: Uncorrected chi2(3) =	1.3467				
Design-based F(2.82, 347.22) =	0.5128	Pr =	0.663		
Total (n=135)	12.0	[7.0, 19.8]	88.0	[80.2, 93.0]	100.0

0.8 Employed and/or student

0.8.1 Employed and/or student

Universe: All respondents (N=2,602)

| | Employed and/or student | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	77.2	[73.7, 80.3]	22.8	[19.7, 26.3]	100.0
36-49 (n=696)	60.9	[56.3, 65.3]	39.1	[34.7, 43.7]	100.0
50-64 (n=870)	33.7	[30.2, 37.4]	66.3	[62.6, 69.8]	100.0
Pearson: Uncorrected chi2(2) =	338.3212				
Design-based F(1.90, 4930.55) =	113.4608	Pr =	0.000		
Gender					
Female (n=1,547)	64.1	[61.2, 67.0]	35.9	[33.0, 38.8]	100.0
Male (n=1,055)	61.7	[58.0, 65.2]	38.3	[34.8, 42.0]	100.0
Pearson: Uncorrected chi2(1) =	1.6930				
Design-based F(1.00, 2590.00) =	1.0570	Pr =	0.304		
Race/ethnicity					
White, non-Hispanic (n=1,696)	60.0	[57.1, 62.9]	40.0	[37.1, 42.9]	100.0
Black, non-Hispanic (n=422)	66.1	[60.4, 71.3]	33.9	[28.7, 39.6]	100.0
Hispanic (n=169)	62.7	[53.6, 71.1]	37.3	[28.9, 46.4]	100.0
Other, non-Hispanic (n=248)	69.5	[62.5, 75.8]	30.5	[24.2, 37.5]	100.0
Pearson: Uncorrected chi2(3) =	13.4402				
Design-based F(2.98, 7525.59) =	2.6121	Pr =	0.050		
FPL category					
0-35% (n=960)	48.2	[44.4, 52.1]	51.8	[47.9, 55.6]	100.0
36-99% (n=947)	78.4	[75.5, 81.1]	21.6	[18.9, 24.5]	100.0
100%+ (n=695)	83.5	[80.4, 86.2]	16.5	[13.8, 19.6]	100.0
Pearson: Uncorrected chi2(2) =	292.1711				
Design-based F(1.90, 4911.84) =	138.8871	Pr =	0.000		
Region					
UP/NW/NE (n=518)	57.3	[53.0, 61.6]	42.7	[38.4, 47.0]	100.0
W/E Central/E (n=770)	58.9	[55.0, 62.6]	41.1	[37.4, 45.0]	100.0
S Central/SW/SE (n=523)	60.9	[56.2, 65.5]	39.1	[34.5, 43.8]	100.0
Detroit Metro (n=791)	67.4	[63.3, 71.2]	32.6	[28.8, 36.7]	100.0
Pearson: Uncorrected chi2(3) =	18.7862				
Design-based F(2.57, 6657.70) =	5.5124	Pr =	0.002		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	53.0	[50.0, 56.0]	47.0	[44.0, 50.0]	100.0
No (n=958)	77.6	[74.0, 80.8]	22.4	[19.2, 26.0]	100.0
Pearson: Uncorrected chi2(1) =	161.6197				
Design-based F(1.00, 2590.00) =	91.7916	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	45.9	[39.0, 53.0]	54.1	[47.0, 61.0]	100.0
Mental health condition (n=944)	58.0	[54.1, 61.9]	42.0	[38.1, 45.9]	100.0
Substance use disorder (n=100)	53.8	[42.1, 65.1]	46.2	[34.9, 57.9]	100.0
None (n=1,257)	71.0	[67.8, 74.1]	29.0	[25.9, 32.2]	100.0
Pearson: Uncorrected chi2(3) =	89.8087				
Design-based F(2.99, 7737.52) =	19.0652	Pr =	0.000		
Total (n=2,602)	62.9	[60.6, 65.1]	37.1	[34.9, 39.4]	100.0

0.9 Q: In the past 12 months, did you spend time caring for a person who could not care for themselves due to illness or disability?

Universe: All respondents (N=2,602)

| | Caregiver | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,031)	26.2	[23.0, 29.7]	73.8	[70.3, 77.0]	100.0
36-49 (n=694)	26.2	[22.5, 30.4]	73.8	[69.6, 77.5]	100.0
50-64 (n=866)	29.3	[25.8, 33.1]	70.7	[66.9, 74.2]	100.0
Pearson: Uncorrected chi2(2) =	2.2094				
Design-based F(1.94, 5008.26) =	0.7940	Pr =	0.449		
Gender					
Female (n=1,542)	28.7	[26.0, 31.5]	71.3	[68.5, 74.0]	100.0
Male (n=1,049)	25.3	[22.1, 28.7]	74.7	[71.3, 77.9]	100.0
Pearson: Uncorrected chi2(1) =	3.7536				
Design-based F(1.00, 2579.00) =	2.3245	Pr =	0.127		
Race/ethnicity					
White, non-Hispanic (n=1,689)	29.3	[26.7, 32.2]	70.7	[67.8, 73.3]	100.0
Black, non-Hispanic (n=422)	25.4	[20.5, 31.1]	74.6	[68.9, 79.5]	100.0
Hispanic (n=168)	22.7	[16.2, 30.7]	77.3	[69.3, 83.8]	100.0
Other, non-Hispanic (n=247)	22.2	[16.7, 28.8]	77.8	[71.2, 83.3]	100.0
Pearson: Uncorrected chi2(3) =	10.2085				
Design-based F(2.94, 7392.35) =	1.9953	Pr =	0.114		
FPL category					
0-35% (n=955)	26.7	[23.5, 30.3]	73.3	[69.7, 76.5]	100.0
36-99% (n=943)	27.4	[24.5, 30.6]	72.6	[69.4, 75.5]	100.0
100%+ (n=693)	26.8	[23.3, 30.8]	73.2	[69.2, 76.7]	100.0
Pearson: Uncorrected chi2(2) =	0.1139				
Design-based F(1.88, 4840.57) =	0.0483	Pr =	0.945		
Region					
UP/NW/NE (n=517)	27.8	[23.7, 32.2]	72.2	[67.8, 76.3]	100.0
W/E Central/E (n=766)	28.8	[25.3, 32.6]	71.2	[67.4, 74.7]	100.0
S Central/SW/SE (n=522)	31.2	[26.6, 36.1]	68.8	[63.9, 73.4]	100.0
Detroit Metro (n=786)	23.7	[20.2, 27.6]	76.3	[72.4, 79.8]	100.0
Pearson: Uncorrected chi2(3) =	11.9968				
Design-based F(2.60, 6713.75) =	3.1907	Pr =	0.029		
Chronic condition (2018 survey or DW)					
Yes (n=1,639)	27.7	[25.1, 30.5]	72.3	[69.5, 74.9]	100.0
No (n=952)	25.8	[22.3, 29.5]	74.2	[70.5, 77.7]	100.0
Pearson: Uncorrected chi2(1) =	1.2535				
Design-based F(1.00, 2579.00) =	0.7475	Pr =	0.387		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	25.0	[19.5, 31.5]	75.0	[68.5, 80.5]	100.0
Mental health condition (n=939)	30.2	[26.7, 33.9]	69.8	[66.1, 73.3]	100.0
Substance use disorder (n=100)	20.2	[12.7, 30.7]	79.8	[69.3, 87.3]	100.0
None (n=1,252)	25.8	[22.8, 29.1]	74.2	[70.9, 77.2]	100.0
Pearson: Uncorrected chi2(3) =	8.3205				
Design-based F(2.97, 7670.34) =	1.8629	Pr =	0.134		
Total (n=2,591)	26.9	[24.8, 29.2]	73.1	[70.8, 75.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.1 Q: In the past 12 months, did you go from working full-time to part-time, or cut back your hours because you were caring for a person who could not care for themselves due to illness or disability?

Universe: Respondents who were caregivers and employed/self-employed or out of work, unable to work, or retired for less than one year (N=604)

	Cut back hours				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=245)	34.4	[27.3, 42.2]	65.6	[57.8, 72.7]	100.0
36-49 (n=167)	39.9	[31.0, 49.5]	60.1	[50.5, 69.0]	100.0
50-64 (n=184)	42.8	[34.2, 51.8]	57.2	[48.2, 65.8]	100.0
Pearson: Uncorrected chi2(2) =	3.0804				
Design-based F(1.90, 1111.65) =	1.1117	Pr =	0.327		
Gender					
Female (n=404)	39.1	[33.1, 45.5]	60.9	[54.5, 66.9]	100.0
Male (n=192)	35.1	[27.2, 43.8]	64.9	[56.2, 72.8]	100.0
Pearson: Uncorrected chi2(1) =	1.0399				
Design-based F(1.00, 584.00) =	0.5770	Pr =	0.448		
Race/ethnicity					
White, non-Hispanic (n=399)	29.0	[23.9, 34.8]	71.0	[65.2, 76.1]	100.0
Black, non-Hispanic (n=96)	46.8	[34.1, 60.0]	53.2	[40.0, 65.9]	100.0
Hispanic (n=39)	52.9	[35.4, 69.7]	47.1	[30.3, 64.6]	100.0
Other, non-Hispanic (n=45)	50.6	[33.7, 67.3]	49.4	[32.7, 66.3]	100.0
Pearson: Uncorrected chi2(3) =	23.4871				
Design-based F(2.83, 1602.47) =	4.6527	Pr =	0.004		
FPL category					
0-35% (n=156)	38.5	[29.7, 48.1]	61.5	[51.9, 70.3]	100.0
36-99% (n=260)	36.0	[29.8, 42.7]	64.0	[57.3, 70.2]	100.0
100%+ (n=180)	36.7	[29.0, 45.2]	63.3	[54.8, 71.0]	100.0
Pearson: Uncorrected chi2(2) =	0.3165				
Design-based F(1.82, 1060.03) =	0.1141	Pr =	0.874		
Region					
UP/NW/NE (n=114)	33.0	[24.1, 43.3]	67.0	[56.7, 75.9]	100.0
W/E Central/E (n=185)	31.6	[24.5, 39.7]	68.4	[60.3, 75.5]	100.0
S Central/SW/SE (n=137)	36.5	[27.3, 46.9]	63.5	[53.1, 72.7]	100.0
Detroit Metro (n=160)	42.9	[33.3, 53.1]	57.1	[46.9, 66.7]	100.0
Pearson: Uncorrected chi2(3) =	5.9743				
Design-based F(2.57, 1503.64) =	1.4805	Pr =	0.223		
Chronic condition (2018 survey or DW)					
Yes (n=373)	38.5	[32.3, 45.2]	61.5	[54.8, 67.7]	100.0
No (n=223)	35.7	[28.0, 44.3]	64.3	[55.7, 72.0]	100.0
Pearson: Uncorrected chi2(1) =	0.4921				
Design-based F(1.00, 584.00) =	0.2753	Pr =	0.600		
Mental health condition and/or sub-stance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=64)	28.4	[16.5, 44.4]	71.6	[55.6, 83.5]	100.0
Mental health condition (n=239)	35.1	[28.0, 42.8]	64.9	[57.2, 72.0]	100.0
Substance use disorder (n=16)	45.0	[20.6, 71.9]	55.0	[28.1, 79.4]	100.0
None (n=277)	40.7	[33.0, 48.8]	59.3	[51.2, 67.0]	100.0
Pearson: Uncorrected chi2(3) =	4.6527				
Design-based F(2.97, 1732.11) =	0.9601	Pr =	0.410		
Total (n=596)	37.3	[32.3, 42.5]	62.7	[57.5, 67.7]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.2 **Q: In the past 12 months, did you receive a warning about your performance or attendance at work because you were caring for a person who could not care for themselves due to illness or disability?**

Universe: Respondents who were caregivers and employed/self-employed or out of work, unable to work, or retired for less than one year (N=604)

| | Received warning at work | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=246)	20.6	[14.6, 28.1]	79.4	[71.9, 85.4]	100.0
36-49 (n=166)	19.5	[13.2, 27.7]	80.5	[72.3, 86.8]	100.0
50-64 (n=186)	8.0	[4.2, 14.5]	92.0	[85.5, 95.8]	100.0
Pearson: Uncorrected chi2(2) =	9.2554				
Design-based F(1.89, 1106.95) =	3.4385	Pr =	0.035		
Gender					
Female (n=406)	16.5	[11.8, 22.6]	83.5	[77.4, 88.2]	100.0
Male (n=192)	19.8	[13.7, 27.8]	80.2	[72.2, 86.3]	100.0
Pearson: Uncorrected chi2(1) =	1.1031				
Design-based F(1.00, 586.00) =	0.5566	Pr =	0.456		
Race/ethnicity					
White, non-Hispanic (n=399)	13.0	[9.2, 18.1]	87.0	[81.9, 90.8]	100.0
Black, non-Hispanic (n=97)	25.6	[15.3, 39.7]	74.4	[60.3, 84.7]	100.0
Hispanic (n=39)	29.3	[15.1, 49.3]	70.7	[50.7, 84.9]	100.0
Other, non-Hispanic (n=46)	23.6	[12.0, 41.1]	76.4	[58.9, 88.0]	100.0
Pearson: Uncorrected chi2(3) =	15.4409				
Design-based F(2.85, 1622.10) =	2.7674	Pr =	0.043		
FPL category					
0-35% (n=157)	18.5	[11.9, 27.6]	81.5	[72.4, 88.1]	100.0
36-99% (n=261)	14.1	[9.8, 19.9]	85.9	[80.1, 90.2]	100.0
100%+ (n=180)	22.0	[15.4, 30.3]	78.0	[69.7, 84.6]	100.0
Pearson: Uncorrected chi2(2) =	3.3343				
Design-based F(1.81, 1061.59) =	1.0870	Pr =	0.333		
Region					
UP/NW/NE (n=113)	7.7	[3.5, 16.1]	92.3	[83.9, 96.5]	100.0
W/E Central/E (n=186)	10.3	[6.3, 16.4]	89.7	[83.6, 93.7]	100.0
S Central/SW/SE (n=138)	25.7	[17.0, 36.9]	74.3	[63.1, 83.0]	100.0
Detroit Metro (n=161)	21.2	[14.1, 30.6]	78.8	[69.4, 85.9]	100.0
Pearson: Uncorrected chi2(3) =	17.9358				
Design-based F(2.56, 1499.95) =	4.2066	Pr =	0.009		
Chronic condition (2018 survey or DW)					
Yes (n=375)	19.1	[14.2, 25.1]	80.9	[74.9, 85.8]	100.0
No (n=223)	16.5	[10.7, 24.7]	83.5	[75.3, 89.3]	100.0
Pearson: Uncorrected chi2(1) =	0.6392				
Design-based F(1.00, 586.00) =	0.3028	Pr =	0.582		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=63)	32.7	[19.2, 49.9]	67.3	[50.1, 80.8]	100.0
Mental health condition (n=240)	17.7	[12.5, 24.3]	82.3	[75.7, 87.5]	100.0
Substance use disorder (n=16)	13.1	[3.6, 37.9]	86.9	[62.1, 96.4]	100.0
None (n=279)	15.0	[9.6, 22.7]	85.0	[77.3, 90.4]	100.0
Pearson: Uncorrected chi2(3) =	12.2026				
Design-based F(2.74, 1606.18) =	2.4882	Pr =	0.064		
Total (n=598)	18.0	[14.0, 22.7]	82.0	[77.3, 86.0]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.3 Q: In the past 12 months, did you lose any of your job benefits because you were caring for a person who could not care for themselves due to illness or disability?

Universe: Respondents who were caregivers and employed/self-employed or out of work, unable to work, or retired for less than one year (N=604)

	Lost job benefits				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=246)	6.2	[3.3, 11.2]	93.8	[88.8, 96.7]	100.0
36-49 (n=166)	9.7	[5.1, 17.8]	90.3	[82.2, 94.9]	100.0
50-64 (n=185)	12.9	[7.6, 20.9]	87.1	[79.1, 92.4]	100.0
Pearson: Uncorrected chi2(2) =	5.4585				
Design-based F(1.92, 1125.88) =	1.7035	Pr =	0.184		
Gender					
Female (n=405)	8.4	[5.2, 13.4]	91.6	[86.6, 94.8]	100.0
Male (n=192)	8.1	[4.8, 13.3]	91.9	[86.7, 95.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0251				
Design-based F(1.00, 585.00) =	0.0153	Pr =	0.901		
Race/ethnicity					
White, non-Hispanic (n=398)	5.6	[3.4, 9.2]	94.4	[90.8, 96.6]	100.0
Black, non-Hispanic (n=97)	12.2	[5.8, 23.9]	87.8	[76.1, 94.2]	100.0
Hispanic (n=39)	16.9	[6.8, 36.2]	83.1	[63.8, 93.2]	100.0
Other, non-Hispanic (n=46)	8.2	[3.0, 20.8]	91.8	[79.2, 97.0]	100.0
Pearson: Uncorrected chi2(3) =	9.5085				
Design-based F(2.86, 1624.69) =	1.9908	Pr =	0.116		
FPL category					
0-35% (n=156)	10.0	[5.7, 16.8]	90.0	[83.2, 94.3]	100.0
36-99% (n=261)	6.0	[3.5, 10.0]	94.0	[90.0, 96.5]	100.0
100%+ (n=180)	7.9	[4.3, 14.3]	92.1	[85.7, 95.7]	100.0
Pearson: Uncorrected chi2(2) =	2.3452				
Design-based F(1.88, 1099.75) =	0.9058	Pr =	0.399		
Region					
UP/NW/NE (n=113)	1.5	[0.3, 6.7]	98.5	[93.3, 99.7]	100.0
W/E Central/E (n=185)	7.6	[3.9, 14.2]	92.4	[85.8, 96.1]	100.0
S Central/SW/SE (n=138)	9.2	[4.9, 16.4]	90.8	[83.6, 95.1]	100.0
Detroit Metro (n=161)	9.8	[5.4, 17.0]	90.2	[83.0, 94.6]	100.0
Pearson: Uncorrected chi2(3) =	4.1390				
Design-based F(2.50, 1464.50) =	1.0948	Pr =	0.344		
Chronic condition (2018 survey or DW)					
Yes (n=374)	8.9	[5.9, 13.3]	91.1	[86.7, 94.1]	100.0
No (n=223)	7.5	[3.9, 13.9]	92.5	[86.1, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.3820				
Design-based F(1.00, 585.00) =	0.1997	Pr =	0.655		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=63)	7.1	[2.7, 17.4]	92.9	[82.6, 97.3]	100.0
Mental health condition (n=240)	7.2	[3.9, 12.8]	92.8	[87.2, 96.1]	100.0
Substance use disorder (n=16)	26.0	[8.3, 57.7]	74.0	[42.3, 91.7]	100.0
None (n=278)	8.3	[4.8, 14.1]	91.7	[85.9, 95.2]	100.0
Pearson: Uncorrected chi2(3) =	7.4000				
Design-based F(2.94, 1721.56) =	1.6205	Pr =	0.184		
Total (n=597)	8.3	[5.8, 11.7]	91.7	[88.3, 94.2]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.4 Q: In the past 12 months, did you take a leave of absence from work because you were caring for a person who could not care for themselves due to illness or disability?

Universe: Respondents who were caregivers and employed/self-employed or out of work, unable to work, or retired for less than one year (N=604)

| | Took leave of absence from work | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=245)	21.9	[16.1, 29.1]	78.1	[70.9, 83.9]	100.0
36-49 (n=166)	21.7	[14.8, 30.7]	78.3	[69.3, 85.2]	100.0
50-64 (n=186)	25.0	[17.4, 34.4]	75.0	[65.6, 82.6]	100.0
Pearson: Uncorrected chi2(2) =	0.4956				
Design-based F(1.95, 1138.82) =	0.1698	Pr =	0.838		
Gender					
Female (n=406)	16.6	[12.5, 21.6]	83.4	[78.4, 87.5]	100.0
Male (n=191)	29.6	[22.1, 38.4]	70.4	[61.6, 77.9]	100.0
Pearson: Uncorrected chi2(1) =	14.4293				
Design-based F(1.00, 585.00) =	8.4229	Pr =	0.004		
Race/ethnicity					
White, non-Hispanic (n=398)	19.4	[14.7, 25.1]	80.6	[74.9, 85.3]	100.0
Black, non-Hispanic (n=97)	18.6	[10.4, 31.1]	81.4	[68.9, 89.6]	100.0
Hispanic (n=39)	36.1	[21.2, 54.4]	63.9	[45.6, 78.8]	100.0
Other, non-Hispanic (n=46)	38.8	[23.4, 56.8]	61.2	[43.2, 76.6]	100.0
Pearson: Uncorrected chi2(3) =	16.1797				
Design-based F(2.81, 1598.19) =	3.0291	Pr =	0.031		
FPL category					
0-35% (n=157)	26.2	[18.8, 35.1]	73.8	[64.9, 81.2]	100.0
36-99% (n=260)	18.8	[13.9, 24.9]	81.2	[75.1, 86.1]	100.0
100%+ (n=180)	19.5	[13.5, 27.4]	80.5	[72.6, 86.5]	100.0
Pearson: Uncorrected chi2(2) =	4.3085				
Design-based F(1.87, 1094.86) =	1.5765	Pr =	0.209		
Region					
UP/NW/NE (n=113)	15.2	[8.7, 25.4]	84.8	[74.6, 91.3]	100.0
W/E Central/E (n=185)	21.3	[14.7, 29.6]	78.7	[70.4, 85.3]	100.0
S Central/SW/SE (n=138)	25.8	[17.7, 36.0]	74.2	[64.0, 82.3]	100.0
Detroit Metro (n=161)	22.9	[15.7, 32.1]	77.1	[67.9, 84.3]	100.0
Pearson: Uncorrected chi2(3) =	2.6318				
Design-based F(2.68, 1565.46) =	0.6109	Pr =	0.590		
Chronic condition (2018 survey or DW)					
Yes (n=375)	23.8	[18.6, 30.0]	76.2	[70.0, 81.4]	100.0
No (n=222)	20.7	[14.4, 28.7]	79.3	[71.3, 85.6]	100.0
Pearson: Uncorrected chi2(1) =	0.8232				
Design-based F(1.00, 585.00) =	0.4355	Pr =	0.510		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=63)	25.5	[14.7, 40.4]	74.5	[59.6, 85.3]	100.0
Mental health condition (n=239)	24.7	[18.1, 32.7]	75.3	[67.3, 81.9]	100.0
Substance use disorder (n=16)	42.2	[18.1, 70.8]	57.8	[29.2, 81.9]	100.0
None (n=279)	19.0	[13.4, 26.1]	81.0	[73.9, 86.6]	100.0
Pearson: Uncorrected chi2(3) =	6.8292				
Design-based F(2.98, 1744.98) =	1.3768	Pr =	0.248		
Total (n=597)	22.4	[18.3, 27.2]	77.6	[72.8, 81.7]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.5 Q: In the past 12 months, did you give up working entirely because you were caring for a person who could not care for themselves due to illness or disability?

Universe: Respondents who were caregivers and employed/self-employed or out of work, unable to work, or retired for less than one year (N=604)

| | Gave up working | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=245)	8.4	[4.9, 13.9]	91.6	[86.1, 95.1]	100.0
36-49 (n=166)	18.7	[12.0, 28.0]	81.3	[72.0, 88.0]	100.0
50-64 (n=187)	17.6	[12.0, 25.1]	82.4	[74.9, 88.0]	100.0
Pearson: Uncorrected chi2(2) =	12.9940				
Design-based F(1.86, 1087.25) =	4.3374	Pr =	0.015		
Gender					
Female (n=406)	15.1	[10.9, 20.4]	84.9	[79.6, 89.1]	100.0
Male (n=192)	9.7	[5.9, 15.8]	90.3	[84.2, 94.1]	100.0
Pearson: Uncorrected chi2(1) =	3.7933				
Design-based F(1.00, 586.00) =	2.1991	Pr =	0.139		
Race/ethnicity					
White, non-Hispanic (n=400)	9.5	[6.5, 13.7]	90.5	[86.3, 93.5]	100.0
Black, non-Hispanic (n=97)	17.7	[9.9, 29.7]	82.3	[70.3, 90.1]	100.0
Hispanic (n=38)	18.2	[8.5, 34.5]	81.8	[65.5, 91.5]	100.0
Other, non-Hispanic (n=46)	19.1	[8.9, 36.3]	80.9	[63.7, 91.1]	100.0
Pearson: Uncorrected chi2(3) =	9.2727				
Design-based F(2.78, 1581.54) =	1.9260	Pr =	0.128		
FPL category					
0-35% (n=158)	17.4	[11.8, 25.0]	82.6	[75.0, 88.2]	100.0
36-99% (n=261)	10.1	[6.6, 15.3]	89.9	[84.7, 93.4]	100.0
100%+ (n=179)	6.2	[3.5, 10.8]	93.8	[89.2, 96.5]	100.0
Pearson: Uncorrected chi2(2) =	11.9243				
Design-based F(1.86, 1092.35) =	5.4381	Pr =	0.005		
Region					
UP/NW/NE (n=113)	10.7	[6.2, 17.7]	89.3	[82.3, 93.8]	100.0
W/E Central/E (n=186)	13.9	[8.9, 21.2]	86.1	[78.8, 91.1]	100.0
S Central/SW/SE (n=138)	8.6	[4.4, 15.8]	91.4	[84.2, 95.6]	100.0
Detroit Metro (n=161)	14.7	[9.2, 22.7]	85.3	[77.3, 90.8]	100.0
Pearson: Uncorrected chi2(3) =	3.4335				
Design-based F(2.54, 1491.03) =	0.9202	Pr =	0.418		
Chronic condition (2018 survey or DW)					
Yes (n=376)	14.5	[10.5, 19.7]	85.5	[80.3, 89.5]	100.0
No (n=222)	10.3	[6.1, 16.8]	89.7	[83.2, 93.9]	100.0
Pearson: Uncorrected chi2(1) =	2.3467				
Design-based F(1.00, 586.00) =	1.2929	Pr =	0.256		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=63)	18.5	[9.3, 33.4]	81.5	[66.6, 90.7]	100.0
Mental health condition (n=239)	14.4	[9.4, 21.4]	85.6	[78.6, 90.6]	100.0
Substance use disorder (n=16)	5.1	[0.7, 29.5]	94.9	[70.5, 99.3]	100.0
None (n=280)	10.5	[6.7, 16.0]	89.5	[84.0, 93.3]	100.0
Pearson: Uncorrected chi2(3) =	4.8419				
Design-based F(2.81, 1644.07) =	1.1325	Pr =	0.333		
Total (n=598)	12.7	[9.6, 16.5]	87.3	[83.5, 90.4]	100.0

Note: Total n is less than universe N due to item non-response.

0.9.6 Q: In the past 12 months, about how many days did you miss work because you were caring for a person who could not care for themselves due to illness or disability?

Universe: Respondents who were caregivers and employed/self-employed or out of work, unable to work, or retired for less than one year (N=604)

	Number of days missed work due to caregiving			
	Mean	SE	95% CI	n
Age				
19-34	10.1	4.38	[1.5, 18.7]	239
35-50	14.4	5.92	[2.7, 26.0]	163
51-64	16.5	4.89	[6.9, 26.1]	178
ANOVA results F(2, 568)= 0.50, p = 0.6091				
Gender				
Female	8.1	1.37	[5.4, 10.8]	394
Male	17.6	6.53	[4.8, 30.4]	186
Two sample t-test results, difference= 9.50, 95% CI (-3.64, 22.63) t(568)= 1.42, p = 0.156				
Race/ethnicity				
White, non-Hispanic	15.1	4.87	[5.6, 24.7]	389
Black, non-Hispanic	6.1	1.44	[3.3, 9.0]	92
Hispanic	5.7	1.65	[2.5, 9.0]	39
Other, non-Hispanic	11.3	4.48	[2.5, 20.1]	43
ANOVA results F(3, 551)= 1.50, p = 0.2128				
FPL category				
0-35%	19.3	6.52	[6.5, 32.1]	146
36-99%	5.7	0.99	[3.8, 7.7]	257
100%+	7.7	2.20	[3.3, 12.0]	177
ANOVA results F(2, 568)= 2.37, p = 0.0948				
Region				
UP/NW/NE	14.4	6.58	[1.5, 27.3]	110
W/E Central/E	14.6	8.16	[-1.4, 30.6]	183
S Central/SW/SE	8.6	3.26	[2.2, 15.0]	135
Detroit Metro	12.4	4.13	[4.3, 20.5]	152
ANOVA results F(3, 568)= 0.37, p = 0.7756				
Chronic condition (2018 survey or DW)				
Yes	12.8	3.22	[6.4, 19.1]	361
No	11.8	5.46	[1.1, 22.6]	219
Two sample t-test results, difference= -0.95, 95% CI (-13.41, 11.52) t(568)= -0.15, p = 0.882				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	25.7	13.05	[0.1, 51.4]	60
Mental health condition	12.3	6.56	[-0.6, 25.2]	233
Substance use disorder	22.0	15.08	[-7.6, 51.6]	16
None	8.7	1.80	[5.2, 12.2]	271
ANOVA results F(3, 568)= 0.87, p = 0.4568				
Total	12.3	3.02	[6.4, 18.3]	580

Note: Total n is less than universe N due to item non-response.

0.10 Q: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

Universe: Respondents who were employed/self-employed and did not change jobs in the last 12 months (N=1,137)

	HMP gave me insurance when I couldn't get it through my job				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=415)	84.0	[79.0, 87.9]	16.0	[12.1, 21.0]	100.0
36-49 (n=312)	86.1	[79.3, 90.9]	13.9	[9.1, 20.7]	100.0
50-64 (n=277)	89.9	[84.7, 93.5]	10.1	[6.5, 15.3]	100.0
Pearson: Uncorrected chi2(2) =	3.7480				
Design-based F(1.78, 1768.43) =	1.1749	Pr =	0.305		
Gender					
Female (n=624)	87.0	[82.9, 90.3]	13.0	[9.7, 17.1]	100.0
Male (n=380)	84.1	[78.6, 88.4]	15.9	[11.6, 21.4]	100.0
Pearson: Uncorrected chi2(1) =	1.7834				
Design-based F(1.00, 992.00) =	0.9446	Pr =	0.331		
Race/ethnicity					
White, non-Hispanic (n=671)	88.8	[85.4, 91.5]	11.2	[8.5, 14.6]	100.0
Black, non-Hispanic (n=157)	78.6	[67.9, 86.4]	21.4	[13.6, 32.1]	100.0
Hispanic (n=65)	87.8	[77.4, 93.8]	12.2	[6.2, 22.6]	100.0
Other, non-Hispanic (n=85)	80.9	[68.8, 89.0]	19.1	[11.0, 31.2]	100.0
Pearson: Uncorrected chi2(3) =	15.9358				
Design-based F(2.70, 2603.77) =	3.0556	Pr =	0.032		
FPL category					
0-35% (n=167)	82.3	[73.9, 88.5]	17.7	[11.5, 26.1]	100.0
36-99% (n=460)	86.8	[82.8, 90.0]	13.2	[10.0, 17.2]	100.0
100%+ (n=377)	87.8	[83.2, 91.3]	12.2	[8.7, 16.8]	100.0
Pearson: Uncorrected chi2(2) =	4.5455				
Design-based F(1.78, 1766.08) =	1.3117	Pr =	0.268		
Region					
UP/NW/NE (n=202)	93.3	[88.5, 96.2]	6.7	[3.8, 11.5]	100.0
W/E Central/E (n=295)	83.4	[77.6, 87.9]	16.6	[12.1, 22.4]	100.0
S Central/SW/SE (n=185)	87.3	[80.6, 91.9]	12.7	[8.1, 19.4]	100.0
Detroit Metro (n=322)	84.7	[78.6, 89.3]	15.3	[10.7, 21.4]	100.0
Pearson: Uncorrected chi2(3) =	6.4970				
Design-based F(2.53, 2508.08) =	1.6930	Pr =	0.175		
Chronic condition (2018 survey or DW)					
Yes (n=593)	86.9	[83.0, 90.0]	13.1	[10.0, 17.0]	100.0
No (n=411)	84.0	[78.2, 88.5]	16.0	[11.5, 21.8]	100.0
Pearson: Uncorrected chi2(1) =	1.7217				
Design-based F(1.00, 992.00) =	0.9016	Pr =	0.343		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=84)	87.3	[72.3, 94.8]	12.7	[5.2, 27.7]	100.0
Mental health condition (n=339)	86.4	[81.1, 90.4]	13.6	[9.6, 18.9]	100.0
Substance use disorder (n=34)	75.8	[55.2, 88.8]	24.2	[11.2, 44.8]	100.0
None (n=547)	85.6	[80.8, 89.3]	14.4	[10.7, 19.2]	100.0
Pearson: Uncorrected chi2(3) =	3.3022				
Design-based F(2.82, 2802.38) =	0.5691	Pr =	0.625		
Total (n=1,004)	85.6	[82.3, 88.4]	14.4	[11.6, 17.7]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.11 Summary: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

Universe: Respondents who were employed/self-employed and did not change jobs in the last 12 months (N=1,137)

HMP gave me insurance when I couldn't get it through my job	Weighted Proportion	95% CI
Yes (n=884)	75.0	[71.5, 78.2]
No (n=120)	12.6	[10.2, 15.5]
Not applicable (n=120)	12.4	[10.1, 15.2]

Note: Total n is less than universe N due to item non-response.

0.12 Q: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

Universe: Respondents who were in school, who were employed/self-employed and changed jobs in the last 12 months, or who were not employed/self-employed and were not looking for work (N=831)

| | HMP helped me stay insured | | | | | | |
| | Yes | | No | | Don't know | | Total |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=463)	86.2	[81.8, 89.6]	9.8	[7.1, 13.4]	4.0	[2.1, 7.6]	100.0
36-49 (n=144)	89.0	[82.4, 93.4]	9.6	[5.6, 16.0]	1.4	[0.3, 5.7]	100.0
50-64 (n=77)	91.4	[81.7, 96.2]	8.6	[3.8, 18.3]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.7804						
Design-based F(3.39, 2275.93) =	0.8562	Pr =	0.474				
Gender							
Female (n=436)	85.7	[81.3, 89.2]	11.8	[8.6, 16.0]	2.5	[1.3, 5.0]	100.0
Male (n=248)	88.4	[82.3, 92.6]	7.4	[4.5, 11.8]	4.2	[1.7, 10.1]	100.0
Pearson: Uncorrected chi2(2) =	4.9943						
Design-based F(1.96, 1318.47) =	1.5143	Pr =	0.221				
Race/ethnicity							
White, non-Hispanic (n=407)	90.2	[86.1, 93.3]	7.0	[4.6, 10.6]	2.7	[1.3, 5.9]	100.0
Black, non-Hispanic (n=121)	87.5	[80.1, 92.4]	12.0	[7.2, 19.4]	0.5	[0.1, 3.4]	100.0
Hispanic (n=52)	78.7	[62.2, 89.2]	17.8	[8.3, 34.3]	3.5	[0.8, 14.6]	100.0
Other, non-Hispanic (n=87)	78.2	[64.4, 87.7]	12.1	[6.1, 22.6]	9.7	[3.3, 25.1]	100.0
Pearson: Uncorrected chi2(6) =	25.8391						
Design-based F(5.29, 3464.34) =	2.9957	Pr =	0.009				
FPL category							
0-35% (n=211)	87.8	[81.5, 92.2]	7.8	[4.7, 12.8]	4.3	[1.8, 10.1]	100.0
36-99% (n=278)	86.0	[80.8, 90.0]	10.9	[7.4, 15.7]	3.2	[1.5, 6.7]	100.0
100%+ (n=195)	86.3	[79.8, 91.0]	12.6	[8.1, 19.2]	1.0	[0.3, 3.2]	100.0
Pearson: Uncorrected chi2(4) =	5.9673						
Design-based F(3.48, 2337.30) =	1.2760	Pr =	0.279				
Region							
UP/NW/NE (n=104)	88.4	[78.8, 94.0]	7.3	[3.4, 15.1]	4.3	[1.2, 14.3]	100.0
W/E Central/E (n=198)	90.7	[84.5, 94.6]	7.3	[4.0, 12.9]	2.1	[0.6, 6.9]	100.0
S Central/SW/SE (n=143)	85.4	[77.0, 91.1]	13.7	[8.1, 22.0]	0.9	[0.2, 3.7]	100.0
Detroit Metro (n=239)	85.4	[79.3, 90.0]	9.7	[6.5, 14.3]	4.8	[2.1, 10.6]	100.0
Pearson: Uncorrected chi2(6) =	9.4802						
Design-based F(5.30, 3558.48) =	1.3945	Pr =	0.220				
Chronic condition (2018 survey or DW)							
Yes (n=317)	84.7	[79.3, 88.9]	13.1	[9.3, 18.1]	2.2	[0.8, 5.8]	100.0
No (n=367)	88.8	[83.8, 92.4]	7.0	[4.5, 10.6]	4.3	[2.0, 8.9]	100.0
Pearson: Uncorrected chi2(2) =	9.0725						
Design-based F(1.93, 1298.09) =	2.7255	Pr =	0.068				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=51)	83.0	[63.7, 93.1]	17.0	[6.9, 36.3]	0.0		100.0
Mental health condition (n=247)	89.7	[84.2, 93.4]	9.1	[5.6, 14.5]	1.2	[0.4, 3.5]	100.0
Substance use disorder (n=15)	71.7	[43.5, 89.2]	16.9	[4.6, 46.2]	11.5	[2.8, 37.2]	100.0
None (n=371)	86.5	[81.5, 90.3]	8.9	[6.2, 12.4]	4.7	[2.3, 9.4]	100.0
Pearson: Uncorrected chi2(6) =	13.4796						
Design-based F(4.96, 3331.97) =	1.7316	Pr =	0.124				
Total (n=684)	87.0	[83.5, 89.8]	9.7	[7.4, 12.6]	3.3	[1.8, 6.1]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.13 Summary: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

Universe: Respondents who were in school, who were employed/self-employed and changed jobs in the last 12 months, or who were not employed/self-employed and were not looking for work (N=831)

HMP helped me stay insured	Weighted Proportion	95% CI
Yes (n=595)	72.8	[68.8, 76.4]
No (n=72)	8.1	[6.2, 10.6]
Not applicable (n=143)	16.3	[13.5, 19.7]
Don't know (n=17)	2.8	[1.5, 5.1]

Note: Total n is less than universe N due to item non-response.

0.14 Q: Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.

Universe: Respondents who were employed/self-employed (N=1,514)

	HMP helped me do a better job at work						Total
	Yes		**No**		**Don't know**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=612)	75.9	[71.5, 79.8]	21.6	[17.8, 25.9]	2.5	[1.4, 4.5]	100.0
36-49 (n=380)	76.2	[69.9, 81.5]	20.3	[15.4, 26.3]	3.5	[1.6, 7.5]	100.0
50-64 (n=330)	80.3	[74.8, 84.8]	16.7	[12.6, 21.9]	3.0	[1.4, 6.0]	100.0
Pearson: Uncorrected chi2(4) =	3.0851						
Design-based F(3.58, 4691.09) =	0.5489	Pr =	0.680				
Gender							
Female (n=807)	76.9	[73.2, 80.3]	20.7	[17.4, 24.4]	2.4	[1.4, 3.9]	100.0
Male (n=515)	76.3	[71.2, 80.8]	20.3	[16.2, 25.3]	3.3	[1.8, 6.1]	100.0
Pearson: Uncorrected chi2(2) =	1.1050						
Design-based F(1.99, 2611.49) =	0.3372	Pr =	0.713				
Race/ethnicity							
White, non-Hispanic (n=860)	79.3	[75.7, 82.4]	18.0	[15.1, 21.3]	2.7	[1.6, 4.6]	100.0
Black, non-Hispanic (n=226)	67.2	[58.7, 74.8]	29.5	[22.3, 38.0]	3.3	[1.3, 8.1]	100.0
Hispanic (n=85)	86.5	[76.9, 92.5]	11.0	[5.8, 19.8]	2.5	[0.6, 10.7]	100.0
Other, non-Hispanic (n=116)	80.7	[71.1, 87.7]	16.9	[10.5, 26.2]	2.4	[0.6, 9.1]	100.0
Pearson: Uncorrected chi2(6) =	25.2748						
Design-based F(5.70, 7272.91) =	2.6068	Pr =	0.018				
FPL category							
0-35% (n=262)	75.2	[68.3, 81.0]	21.8	[16.3, 28.6]	2.9	[1.3, 6.6]	100.0
36-99% (n=593)	78.3	[74.4, 81.7]	20.2	[16.8, 24.0]	1.5	[0.7, 3.3]	100.0
100%+ (n=467)	76.4	[71.7, 80.6]	19.1	[15.3, 23.6]	4.4	[2.6, 7.5]	100.0
Pearson: Uncorrected chi2(4) =	7.0022						
Design-based F(3.60, 4722.17) =	1.1047	Pr =	0.350				
Region							
UP/NW/NE (n=247)	79.1	[72.8, 84.2]	19.7	[14.7, 25.9]	1.3	[0.4, 4.1]	100.0
W/E Central/E (n=387)	78.0	[72.8, 82.5]	19.4	[15.2, 24.5]	2.5	[1.3, 4.8]	100.0
S Central/SW/SE (n=262)	71.1	[63.8, 77.5]	25.3	[19.3, 32.4]	3.5	[1.3, 9.3]	100.0
Detroit Metro (n=426)	77.7	[72.2, 82.3]	19.3	[14.9, 24.6]	3.0	[1.6, 5.6]	100.0
Pearson: Uncorrected chi2(6) =	6.4525						
Design-based F(5.02, 6579.21) =	0.8068	Pr =	0.545				
Chronic condition (2018 survey or DW)							
Yes (n=752)	78.2	[73.9, 82.0]	19.4	[15.8, 23.6]	2.4	[1.3, 4.5]	100.0
No (n=570)	74.8	[70.1, 79.0]	21.8	[17.8, 26.3]	3.4	[2.0, 5.8]	100.0
Pearson: Uncorrected chi2(2) =	2.4949						
Design-based F(2.00, 2619.65) =	0.7172	Pr =	0.488				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=117)	86.7	[75.5, 93.2]	10.7	[5.3, 20.6]	2.6	[0.4, 16.4]	100.0
Mental health condition (n=478)	77.7	[72.7, 82.1]	20.1	[15.9, 25.1]	2.1	[1.1, 4.1]	100.0
Substance use disorder (n=42)	76.4	[58.9, 87.9]	23.6	[12.1, 41.1]	0.0		100.0
None (n=685)	74.1	[69.5, 78.2]	22.4	[18.5, 26.8]	3.5	[2.1, 5.8]	100.0
Pearson: Uncorrected chi2(6) =	13.2440						
Design-based F(5.15, 6750.95) =	1.1905	Pr =	0.311				
Total (n=1,322)	76.6	[73.5, 79.5]	20.5	[17.8, 23.5]	2.8	[1.9, 4.3]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.15 Summary: Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.

Universe: Respondents who were employed/self-employed (N=1,514)

HMP helped me do a better job at work	Weighted Proportion	95% CI
Yes (n=1,033)	65.6	[62.5, 68.7]
No (n=257)	17.6	[15.2, 20.2]
Not applicable (n=189)	14.3	[12.1, 16.9]
Don't know (n=32)	2.4	[1.6, 3.7]

Note: Total n is less than universe N due to item non-response.

0.16 Q: Having health insurance through the Healthy Michigan Plan helped me get a better job.

Universe: Respondents who were employed/self-employed and changed jobs in the last 12 months (N=377)

	Yes Row %	95% CI	No Row %	95% CI	Don't know Row %	95% CI	Total Row %
Age							
19-35 (n=179)	27.4	[19.9, 36.4]	67.1	[58.0, 75.1]	5.5	[2.6, 11.0]	100.0
36-49 (n=67)	31.6	[19.0, 47.7]	59.7	[43.9, 73.7]	8.7	[2.9, 23.1]	100.0
50-64 (n=47)	42.6	[27.5, 59.2]	49.0	[32.4, 65.8]	8.4	[1.2, 40.5]	100.0
Pearson: Uncorrected chi2(4) =	4.3003						
Design-based F(3.67, 1030.68) =	0.7100	Pr =	0.573				
Gender							
Female (n=172)	26.1	[19.6, 33.9]	70.1	[62.0, 77.1]	3.8	[1.5, 9.0]	100.0
Male (n=121)	32.5	[23.0, 43.8]	58.9	[47.7, 69.3]	8.6	[4.2, 16.8]	100.0
Pearson: Uncorrected chi2(2) =	5.0461						
Design-based F(2.00, 560.86) =	1.8366	Pr =	0.160				
Race/ethnicity							
White, non-Hispanic (n=181)	33.3	[24.8, 42.9]	60.9	[51.2, 69.8]	5.9	[2.6, 12.8]	100.0
Black, non-Hispanic (n=53)	18.9	[10.1, 32.4]	81.1	[67.6, 89.9]	0.0		100.0
Hispanic (n=28)	18.4	[8.1, 36.6]	73.4	[53.7, 86.7]	8.2	[2.2, 26.1]	100.0
Other, non-Hispanic (n=24)	29.2	[14.0, 51.0]	52.1	[30.1, 73.3]	18.7	[6.1, 44.9]	100.0
Pearson: Uncorrected chi2(6) =	20.4983						
Design-based F(5.72, 1568.32) =	2.4529	Pr =	0.025				
FPL category							
0-35% (n=77)	29.9	[19.1, 43.6]	62.9	[49.4, 74.7]	7.1	[2.8, 16.9]	100.0
36-99% (n=118)	31.0	[22.6, 40.9]	62.9	[52.7, 72.1]	6.1	[2.5, 13.8]	100.0
100%+ (n=98)	27.4	[19.1, 37.6]	67.1	[56.0, 76.6]	5.5	[1.7, 16.6]	100.0
Pearson: Uncorrected chi2(4) =	0.5588						
Design-based F(3.73, 1048.49) =	0.0995	Pr =	0.978				
Region							
UP/NW/NE (n=50)	28.1	[16.9, 42.8]	68.2	[53.2, 80.2]	3.7	[0.9, 13.7]	100.0
W/E Central/E (n=82)	41.4	[29.8, 53.9]	51.7	[39.5, 63.7]	6.9	[2.3, 18.9]	100.0
S Central/SW/SE (n=69)	33.6	[21.5, 48.2]	63.5	[49.0, 75.9]	2.9	[0.6, 12.8]	100.0
Detroit Metro (n=92)	21.6	[12.3, 35.1]	69.9	[56.4, 80.6]	8.5	[3.8, 18.3]	100.0
Pearson: Uncorrected chi2(6) =	11.2972						
Design-based F(5.05, 1418.40) =	1.5036	Pr =	0.185				
Chronic condition (2018 survey or DW)							
Yes (n=152)	29.8	[21.6, 39.4]	64.6	[54.6, 73.4]	5.7	[2.5, 12.3]	100.0
No (n=141)	29.5	[20.5, 40.4]	63.3	[52.5, 73.0]	7.2	[3.2, 15.4]	100.0
Pearson: Uncorrected chi2(2) =	0.2796						
Design-based F(2.00, 561.93) =	0.0850	Pr =	0.918				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=33)	40.0	[22.1, 61.1]	57.6	[37.0, 75.9]	2.3	[0.3, 15.2]	100.0
Mental health condition (n=119)	30.9	[22.7, 40.6]	67.0	[57.2, 75.5]	2.1	[0.8, 5.6]	100.0
Substance use disorder (n=6)	21.1	[4.2, 62.1]	78.9	[37.9, 95.8]	0.0		100.0
None (n=135)	26.8	[17.8, 38.1]	62.9	[51.6, 72.9]	10.3	[5.3, 19.1]	100.0
Pearson: Uncorrected chi2(6) =	10.2763						
Design-based F(5.23, 1468.84) =	1.5340	Pr =	0.173				
Total (n=293)	29.6	[23.4, 36.7]	64.0	[56.7, 70.6]	6.4	[3.6, 11.2]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.17 Summary: Having health insurance through the Healthy Michigan Plan helped me get a better job.

Universe: Respondents who were employed/self-employed and changed jobs in the last 12 months (N=377)

HMP helped me get a better job	Weighted Proportion	95% CI
Yes (n=93)	22.6	[17.6, 28.4]
No (n=185)	48.7	[42.4, 55.0]
Not applicable (n=83)	23.9	[18.8, 29.9]
Don't know (n=15)	4.9	[2.7, 8.6]

Note: Total n is less than universe N due to item non-response.

0.18 Q: Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

Universe: Respondents who were out of work (N=310)

	HMP made me better able to look for a job						Total
	Yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=99)	69.6	[57.9, 79.1]	20.7	[13.0, 31.3]	9.7	[4.6, 19.4]	100.0
36-49 (n=67)	78.9	[66.2, 87.7]	17.3	[9.6, 29.1]	3.8	[0.9, 14.6]	100.0
50-64 (n=73)	79.6	[67.6, 87.9]	17.2	[9.6, 28.9]	3.2	[0.9, 10.4]	100.0
Pearson: Uncorrected chi2(4) =	4.4821						
Design-based F(3.68, 835.39) =	1.0188	Pr =	0.393				
Gender							
Female (n=106)	73.7	[62.3, 82.7]	18.8	[11.3, 29.6]	7.5	[3.1, 16.7]	100.0
Male (n=133)	74.4	[64.8, 82.1]	19.2	[12.7, 27.9]	6.4	[2.8, 14.0]	100.0
Pearson: Uncorrected chi2(2) =	0.1056						
Design-based F(1.99, 451.87) =	0.0375	Pr =	0.963				
Race/ethnicity							
White, non-Hispanic (n=146)	74.4	[64.4, 82.3]	15.9	[9.9, 24.6]	9.7	[5.0, 18.0]	100.0
Black, non-Hispanic (n=50)	71.1	[55.4, 82.9]	28.9	[17.1, 44.6]	0.0		100.0
Hispanic (n=15)	65.6	[37.3, 86.0]	26.0	[9.1, 55.2]	8.4	[1.1, 42.1]	100.0
Other, non-Hispanic (n=23)	81.1	[54.7, 93.8]	10.7	[3.1, 31.1]	8.2	[1.1, 41.3]	100.0
Pearson: Uncorrected chi2(6) =	11.0584						
Design-based F(5.68, 1260.95) =	1.3145	Pr =	0.250				
FPL category							
0-35% (n=155)	74.8	[66.3, 81.8]	17.0	[11.3, 24.7]	8.2	[4.4, 14.7]	100.0
36-99% (n=56)	71.5	[56.1, 83.1]	27.7	[16.2, 43.1]	0.8	[0.1, 5.9]	100.0
100%+ (n=28)	71.3	[49.7, 86.2]	27.7	[13.1, 49.4]	1.0	[0.1, 6.9]	100.0
Pearson: Uncorrected chi2(4) =	5.2600						
Design-based F(2.94, 667.57) =	2.5146	Pr =	0.059				
Region							
UP/NW/NE (n=47)	73.0	[55.9, 85.3]	16.6	[7.8, 31.9]	10.4	[3.0, 29.8]	100.0
W/E Central/E (n=70)	70.8	[57.2, 81.5]	15.3	[8.3, 26.5]	13.9	[6.5, 27.3]	100.0
S Central/SW/SE (n=47)	64.8	[47.3, 79.1]	27.4	[15.3, 44.1]	7.8	[1.7, 29.3]	100.0
Detroit Metro (n=75)	80.2	[68.5, 88.2]	18.0	[10.5, 29.3]	1.8	[0.2, 12.1]	100.0
Pearson: Uncorrected chi2(6) =	12.6098						
Design-based F(5.06, 1148.50) =	1.6073	Pr =	0.154				
Chronic condition (2018 survey or DW)							
Yes (n=154)	73.5	[63.8, 81.3]	18.2	[12.0, 26.8]	8.3	[4.0, 16.5]	100.0
No (n=85)	75.2	[63.7, 84.0]	20.3	[12.4, 31.4]	4.5	[1.6, 11.9]	100.0
Pearson: Uncorrected chi2(2) =	1.3627						
Design-based F(2.00, 453.60) =	0.5006	Pr =	0.606				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=39)	68.9	[48.2, 84.1]	28.2	[13.8, 49.2]	2.9	[0.4, 18.2]	100.0
Mental health condition (n=75)	75.1	[61.4, 85.1]	19.1	[10.5, 32.3]	5.8	[2.0, 15.8]	100.0
Substance use disorder (n=12)	93.5	[73.5, 98.7]	4.6	[0.6, 27.7]	1.9	[0.2, 13.4]	100.0
None (n=113)	73.1	[62.3, 81.7]	18.0	[11.3, 27.3]	8.9	[4.1, 18.4]	100.0
Pearson: Uncorrected chi2(6) =	6.0371						
Design-based F(5.10, 1157.46) =	0.9717	Pr =	0.435				
Total (n=239)	74.2	[67.0, 80.3]	19.1	[13.9, 25.5]	6.8	[3.7, 12.0]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

0.19 Summary: Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

Universe: Respondents who were out of work (N=310)

HMP made me better able to look for a job	Weighted Proportion	95% CI
Yes (n=176)	58.5	[51.6, 65.1]
No (n=49)	15.0	[11.0, 20.3]
Not applicable (n=70)	21.1	[16.1, 27.1]
Don't know (n=14)	5.3	[2.9, 9.6]

Note: Total n is less than universe N due to item non-response.

0.20 Q: During the 12 months before you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time?

Universe: All respondents (N=2,602)

	Insured some or all 12 months		Uninsured all 12 months		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	57.5	[53.8, 61.2]	38.4	[34.8, 42.2]	4.0	[2.6, 6.2]	100.0
36-49 (n=696)	49.2	[44.6, 53.8]	50.3	[45.6, 54.9]	0.6	[0.2, 1.3]	100.0
50-64 (n=870)	52.5	[48.4, 56.5]	46.7	[42.6, 50.7]	0.9	[0.4, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	52.2877						
Design-based F(3.78, 9789.34) =	10.3846	Pr =	0.000				
Gender							
Female (n=1,547)	64.5	[61.6, 67.4]	34.1	[31.2, 37.0]	1.4	[0.9, 2.3]	100.0
Male (n=1,055)	44.2	[40.5, 48.0]	52.4	[48.6, 56.2]	3.4	[2.1, 5.5]	100.0
Pearson: Uncorrected chi2(2) =	110.7954						
Design-based F(2.00, 5176.16) =	34.0752	Pr =	0.000				
Race/ethnicity							
White, non-Hispanic (n=1,696)	57.5	[54.5, 60.5]	40.6	[37.7, 43.6]	1.9	[1.0, 3.4]	100.0
Black, non-Hispanic (n=422)	48.0	[42.1, 53.9]	49.1	[43.2, 55.0]	2.9	[1.3, 6.5]	100.0
Hispanic (n=169)	51.9	[42.8, 60.8]	45.3	[36.4, 54.4]	2.9	[1.2, 6.6]	100.0
Other, non-Hispanic (n=248)	52.4	[44.8, 59.8]	43.4	[36.1, 51.0]	4.2	[1.9, 9.0]	100.0
Pearson: Uncorrected chi2(6) =	20.9810						
Design-based F(5.57, 14061.00) =	1.8181	Pr =	0.097				
FPL category							
0-35% (n=960)	50.6	[46.7, 54.5]	46.9	[43.1, 50.8]	2.5	[1.4, 4.5]	100.0
36-99% (n=947)	57.1	[53.5, 60.6]	40.3	[36.8, 43.9]	2.6	[1.5, 4.5]	100.0
100%+ (n=695)	60.6	[56.4, 64.7]	37.5	[33.5, 41.7]	1.9	[1.0, 3.4]	100.0
Pearson: Uncorrected chi2(4) =	18.2541						
Design-based F(3.54, 9155.68) =	3.2221	Pr =	0.016				
Region							
UP/NW/NE (n=518)	53.7	[48.8, 58.5]	44.0	[39.3, 48.9]	2.3	[1.0, 4.9]	100.0
W/E Central/E (n=770)	57.9	[53.8, 61.9]	40.6	[36.6, 44.6]	1.5	[0.8, 2.9]	100.0
S Central/SW/SE (n=523)	56.9	[51.9, 61.9]	40.2	[35.4, 45.2]	2.8	[1.3, 6.0]	100.0
Detroit Metro (n=791)	50.8	[46.5, 55.1]	46.4	[42.1, 50.7]	2.8	[1.5, 5.1]	100.0
Pearson: Uncorrected chi2(6) =	13.0131						
Design-based F(5.06, 13115.42) =	1.4791	Pr =	0.192				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	55.7	[52.6, 58.7]	42.4	[39.4, 45.5]	1.9	[1.1, 3.5]	100.0
No (n=958)	52.1	[48.0, 56.1]	44.8	[40.9, 48.8]	3.1	[1.9, 5.1]	100.0
Pearson: Uncorrected chi2(2) =	5.9169						
Design-based F(1.93, 4988.97) =	1.4269	Pr =	0.240				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	43.4	[36.7, 50.4]	56.2	[49.2, 62.9]	0.4	[0.1, 2.8]	100.0
Mental health condition (n=944)	63.6	[59.7, 67.4]	34.8	[31.1, 38.7]	1.6	[0.9, 2.9]	100.0
Substance use disorder (n=100)	26.4	[17.8, 37.2]	70.7	[59.3, 80.1]	2.9	[0.4, 17.5]	100.0
None (n=1,257)	52.8	[49.2, 56.4]	43.8	[40.2, 47.3]	3.4	[2.1, 5.5]	100.0
Pearson: Uncorrected chi2(6) =	93.7391						
Design-based F(5.48, 14196.41) =	9.1180	Pr =	0.000				
Total (n=2,602)	54.2	[51.8, 56.6]	43.4	[41.0, 45.8]	2.4	[1.6, 3.5]	100.0

0.20.1 Q: What type of health insurance did you have?

Universe: Respondents who had any type of health insurance at any time in the 12 months prior to HMP (N=1,462)

Type of health insurance	Weighted Proportion	95% CI
Medicaid/MIChild/Other state program (n=568)	40.4	[37.2, 43.6]
Insurance provided through a job or union (n=582)	38.3	[35.2, 41.4]
Insurance purchased by you or someone else (n=245)	14.7	[12.7, 17.0]
Veterans Administration or VA care (n=19)	1.9	[1.1, 3.2]
Student health plan (n=7)	1.0	[0.4, 2.5]
CHAMPUS, TRICARE (n=7)	0.8	[0.3, 2.3]
Medicare/Social security (n=8)	0.6	[0.3, 1.4]
Other (n=9)	0.6	[0.3, 1.3]
County health plan (n=8)	0.3	[0.1, 0.7]
Don't know (n=21)	2.2	[1.3, 3.8]

Note: Respondents were able to provide multiple responses.

0.20.1.1 Q: Whose job is it?

Universe: Respondents who had health insurance that was provided through a job or union (N=582)

Whose job is it?	Weighted Proportion	95% CI
Respondent (n=367)	60.4	[55.3, 65.4]
Family member (n=214)	39.6	[34.6, 44.7]

Note: Total n is less than universe N due to item non-response.

0.20.1.2 Q: Who purchased it?

Universe: Respondents who had health insurance that was purchased by them or someone else (N=245)

Who purchased it?	Weighted Proportion	95% CI
Respondent (n=147)	55.3	[47.0, 63.4]
Family member (n=74)	44.7	[36.6, 53.0]

Note: Total n is less than universe N due to item non-response.

0.20.1.2.1   Q: Was it purchased through the marketplace known as healthcare.gov?

Universe: Respondents who had health insurance that was purchased by them or someone else (N=245)

Purchased on the marketplace	Weighted Proportion	95% CI
Yes (n=122)	44.7	[36.9, 52.7]
No (n=57)	28.6	[21.7, 36.7]
Don't know (n=41)	26.7	[19.7, 35.2]

Note: Total n is less than universe N due to item non-response.

0.20.1.2.2   Q: Did [you/they] receive a subsidy?

Universe: Respondents who had health insurance that was purchased by them or someone else through the marketplace (N=122)

Received a subsidy	Weighted Proportion	95% CI
Yes (n=89)	66.1	[54.3, 76.1]
No (n=23)	24.6	[15.5, 36.7]
Don't know (n=10)	9.4	[4.8, 17.5]

1 **Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

1.1 Q: In general, would you say your health is?

Universe: All respondents (N=2,602)

	Excellent		Very good		Good		Fair		Poor		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,035)	18.1	[15.4, 21.2]	32.2	[28.8, 35.7]	35.7	[32.1, 39.4]	12.9	[10.6, 15.5]	1.2	[0.6, 2.2]	100.0
36-49 (n=696)	9.4	[7.0, 12.6]	23.3	[19.5, 27.5]	34.8	[30.5, 39.4]	24.8	[21.1, 28.9]	7.7	[5.6, 10.5]	100.0
50-64 (n=867)	7.6	[5.7, 10.0]	21.3	[18.2, 24.7]	33.5	[29.8, 37.3]	26.4	[22.9, 30.3]	11.2	[8.8, 14.3]	100.0
Pearson: Uncorrected chi2(8) =	216.1101										
Design-based F(7.79, 20136.87) =	19.0041	Pr =	0.000								
Gender											
Female (n=1,545)	13.8	[11.6, 16.3]	27.5	[24.9, 30.2]	35.8	[32.9, 38.9]	17.7	[15.5, 20.0]	5.2	[4.0, 6.8]	100.0
Male (n=1,053)	13.1	[10.8, 15.8]	27.2	[23.9, 30.8]	34.1	[30.5, 37.8]	20.4	[17.7, 23.5]	5.2	[3.9, 6.8]	100.0
Pearson: Uncorrected chi2(4) =	3.4544										
Design-based F(3.96, 10245.91) =	0.5568	Pr =	0.692								
Race/ethnicity											
White, non-Hispanic (n=1,695)	12.1	[10.3, 14.2]	30.0	[27.3, 32.9]	34.7	[31.8, 37.6]	17.8	[15.7, 20.2]	5.4	[4.3, 6.8]	100.0
Black, non-Hispanic (n=420)	14.8	[11.0, 19.6]	20.8	[16.2, 26.1]	37.4	[31.7, 43.4]	22.5	[18.2, 27.5]	4.5	[2.7, 7.3]	100.0
Hispanic (n=169)	16.6	[10.5, 25.3]	23.9	[17.1, 32.4]	37.7	[29.4, 46.7]	12.8	[7.9, 19.9]	9.0	[4.8, 16.3]	100.0
Other, non-Hispanic (n=247)	15.9	[11.0, 22.5]	27.5	[21.5, 34.4]	31.8	[25.0, 39.5]	22.4	[16.9, 29.2]	2.4	[1.2, 4.5]	100.0
Pearson: Uncorrected chi2(12) =	42.6143										
Design-based F(11.55, 29103.64) =	2.1261	Pr =	0.014								
FPL category											
0-35% (n=958)	11.8	[9.4, 14.7]	24.3	[21.0, 27.8]	35.1	[31.4, 38.9]	22.0	[19.2, 25.1]	6.9	[5.4, 8.8]	100.0
36-99% (n=945)	15.4	[12.9, 18.3]	31.6	[28.4, 35.1]	33.3	[30.1, 36.8]	16.5	[14.1, 19.3]	3.0	[2.1, 4.3]	100.0
100%+ (n=695)	15.4	[12.5, 18.9]	30.2	[26.4, 34.4]	36.8	[32.8, 41.0]	14.2	[11.6, 17.3]	3.3	[2.1, 5.2]	100.0
Pearson: Uncorrected chi2(8) =	50.9123										
Design-based F(7.37, 19070.25) =	5.4543	Pr =	0.000								
Region											
UP/NW/NE (n=518)	14.4	[11.1, 18.4]	28.0	[23.9, 32.5]	32.4	[28.0, 37.0]	20.2	[16.6, 24.4]	5.0	[3.5, 7.2]	100.0
W/E Central/E (n=769)	10.5	[8.2, 13.4]	28.4	[24.9, 32.2]	35.3	[31.5, 39.2]	20.0	[16.9, 23.5]	5.7	[4.1, 7.9]	100.0
S Central/SW/SE (n=521)	12.3	[9.5, 15.7]	27.3	[23.1, 32.1]	32.7	[28.2, 37.5]	22.2	[18.2, 26.9]	5.5	[3.7, 8.1]	100.0
Detroit Metro (n=790)	15.5	[12.6, 19.0]	26.6	[22.9, 30.6]	36.3	[32.1, 40.6]	16.9	[14.1, 20.0]	4.8	[3.4, 6.7]	100.0
Pearson: Uncorrected chi2(12) =	18.3277										
Design-based F(10.56, 27304.46) =	1.2762	Pr =	0.234								
Chronic condition (2018 survey or DW)											
Yes (n=1,641)	7.6	[6.1, 9.6]	23.3	[20.7, 26.2]	36.2	[33.3, 39.2]	24.7	[22.3, 27.4]	8.1	[6.6, 9.8]	100.0
No (n=957)	22.0	[18.9, 25.5]	33.3	[29.8, 37.1]	33.0	[29.2, 37.1]	10.7	[8.5, 13.4]	0.9	[0.4, 1.9]	100.0
Pearson: Uncorrected chi2(4) =	247.6926										
Design-based F(3.94, 10201.46) =	38.4293	Pr =	0.000								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=300)	3.4	[1.9, 6.0]	19.7	[14.5, 26.3]	28.3	[22.2, 35.4]	36.5	[30.1, 43.5]	12.0	[8.4, 16.9]	100.0
Mental health condition (n=941)	10.6	[8.2, 13.6]	24.9	[21.6, 28.5]	36.6	[32.8, 40.5]	20.9	[17.9, 24.2]	7.1	[5.3, 9.4]	100.0
Substance use disorder (n=100)	13.5	[6.8, 25.1]	29.3	[19.6, 41.3]	32.0	[22.1, 43.7]	22.2	[14.6, 32.3]	3.0	[0.7, 11.2]	100.0
None (n=1,257)	17.8	[15.2, 20.7]	30.7	[27.5, 34.1]	35.7	[32.3, 39.3]	13.3	[11.2, 15.8]	2.4	[1.7, 3.5]	100.0
Pearson: Uncorrected chi2(12) =	198.2967										
Design-based F(11.66, 30154.82) =	11.0835	Pr =	0.000								
Total (n=2,598)	13.4	[11.8, 15.2]	27.4	[25.2, 29.6]	34.9	[32.6, 37.3]	19.1	[17.3, 21.0]	5.2	[4.3, 6.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.2 Q: Now thinking about your physical health, which includes physical illness and injury: for how many days during the past 30 days was your physical health not good?

Universe: All respondents (N=2,602)

| | Number of days physical health not good | | | |
	Mean	SE	95% CI	n
Age				
19-34	3.7	0.28	[3.1, 4.2]	1,026
35-50	8.0	0.54	[6.9, 9.0]	687
51-64	9.7	0.51	[8.7, 10.7]	851
ANOVA results $F_{(2, 2,552)}$= 65.55, p < 0.0001				
Gender				
Female	6.0	0.29	[5.5, 6.6]	1,521
Male	6.3	0.38	[5.6, 7.1]	1,043
Two sample t-test results, difference= 0.28, 95% CI (-0.67, 1.22) $t_{(2,552)}$= 0.57, p = 0.569				
Race/ethnicity				
White, non-Hispanic	6.5	0.30	[5.9, 7.1]	1,670
Black, non-Hispanic	5.6	0.55	[4.5, 6.7]	414
Hispanic	6.5	1.01	[4.6, 8.5]	169
Other, non-Hispanic	5.1	0.68	[3.8, 6.5]	246
ANOVA results $F_{(3, 2,487)}$= 1.57, p = 0.1945				
FPL category				
0-35%	7.5	0.40	[6.7, 8.3]	945
36-99%	4.8	0.31	[4.2, 5.4]	932
100%+	4.3	0.34	[3.7, 5.0]	687
ANOVA results $F_{(2, 2,552)}$= 20.27, p < 0.0001				
Region				
UP/NW/NE	6.7	0.51	[5.7, 7.7]	507
W/E Central/E	6.7	0.43	[5.8, 7.5]	756
S Central/SW/SE	6.7	0.53	[5.6, 7.7]	517
Detroit Metro	5.5	0.40	[4.7, 6.3]	784
ANOVA results $F_{(3, 2,552)}$= 1.87, p = 0.1321				
Chronic condition (2018 survey or DW)				
Yes	8.3	0.35	[7.6, 9.0]	1,615
No	3.0	0.27	[2.5, 3.5]	949
Two sample t-test results, difference= -5.28, 95% CI (-6.15, -4.42) $t_{(2,552)}$= -11.98, p < 0.001				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	11.6	0.89	[9.8, 13.3]	298
Mental health condition	7.3	0.43	[6.5, 8.2]	922
Substance use disorder	6.1	0.96	[4.3, 8.0]	98
None	4.1	0.29	[3.5, 4.6]	1,246
ANOVA results $F_{(3, 2,552)}$= 30.14, p < 0.0001				
Total	6.2	0.24	[5.7, 6.6]	2,564

Note: Total n is less than universe N due to item non-response.

1.3 Q: Overall, since you enrolled in the Healthy Michigan Plan, would you say your physical health has gotten better, stayed the same, or gotten worse?

Universe: All respondents (N=2,602)

	Change in physical health status since HMP enrollment						Total
	Gotten better		Stayed the same		Gotten worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,032)	46.8	[43.1, 50.6]	50.3	[46.5, 54.1]	2.9	[1.9, 4.5]	100.0
36-49 (n=691)	48.3	[43.6, 53.0]	43.2	[38.7, 47.8]	8.5	[6.3, 11.3]	100.0
50-64 (n=860)	50.5	[46.4, 54.6]	40.4	[36.5, 44.5]	9.1	[6.9, 11.9]	100.0
Pearson: Uncorrected chi2(4) =	50.7992						
Design-based F(3.87, 9948.89) =	8.6562	Pr =	0.000				
Gender							
Female (n=1,540)	44.8	[41.7, 47.9]	49.6	[46.5, 52.7]	5.7	[4.4, 7.3]	100.0
Male (n=1,043)	51.2	[47.4, 55.0]	42.9	[39.2, 46.7]	5.9	[4.4, 7.7]	100.0
Pearson: Uncorrected chi2(2) =	11.8745						
Design-based F(1.99, 5117.59) =	3.8922	Pr =	0.021				
Race/ethnicity							
White, non-Hispanic (n=1,684)	46.0	[43.0, 49.1]	48.1	[45.1, 51.1]	5.9	[4.6, 7.4]	100.0
Black, non-Hispanic (n=421)	56.3	[50.4, 62.1]	38.8	[33.2, 44.6]	4.9	[3.0, 7.9]	100.0
Hispanic (n=169)	46.8	[37.9, 55.9]	45.2	[36.3, 54.4]	8.0	[4.6, 13.6]	100.0
Other, non-Hispanic (n=243)	47.1	[39.6, 54.7]	47.9	[40.4, 55.5]	5.0	[2.5, 9.7]	100.0
Pearson: Uncorrected chi2(6) =	19.8051						
Design-based F(5.88, 14728.32) =	1.9589	Pr =	0.069				
FPL category							
0-35% (n=951)	51.7	[47.8, 55.5]	41.2	[37.4, 45.0]	7.2	[5.6, 9.2]	100.0
36-99% (n=941)	45.0	[41.4, 48.5]	50.7	[47.1, 54.3]	4.4	[3.2, 5.9]	100.0
100%+ (n=691)	41.8	[37.6, 46.1]	54.6	[50.3, 58.8]	3.6	[2.4, 5.5]	100.0
Pearson: Uncorrected chi2(4) =	38.3719						
Design-based F(3.75, 9651.25) =	8.7963	Pr =	0.000				
Region							
UP/NW/NE (n=514)	41.4	[36.7, 46.2]	53.4	[48.5, 58.2]	5.2	[3.4, 7.9]	100.0
W/E Central/E (n=764)	44.1	[40.1, 48.2]	47.1	[43.1, 51.2]	8.8	[6.7, 11.4]	100.0
S Central/SW/SE (n=517)	49.6	[44.6, 54.7]	45.4	[40.4, 50.4]	5.0	[3.3, 7.6]	100.0
Detroit Metro (n=788)	51.1	[46.7, 55.4]	44.6	[40.4, 48.9]	4.4	[3.0, 6.4]	100.0
Pearson: Uncorrected chi2(6) =	25.6047						
Design-based F(5.29, 13590.14) =	3.5125	Pr =	0.003				
Chronic condition (2018 survey or DW)							
Yes (n=1,628)	52.3	[49.2, 55.4]	39.7	[36.7, 42.7]	8.0	[6.5, 9.7]	100.0
No (n=955)	41.7	[37.8, 45.8]	55.8	[51.8, 59.8]	2.5	[1.5, 4.0]	100.0
Pearson: Uncorrected chi2(2) =	82.3355						
Design-based F(2.00, 5139.59) =	24.7667	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	49.0	[42.0, 56.1]	38.4	[31.8, 45.5]	12.6	[8.8, 17.5]	100.0
Mental health condition (n=931)	48.3	[44.3, 52.4]	44.3	[40.3, 48.3]	7.4	[5.4, 10.0]	100.0
Substance use disorder (n=99)	63.1	[51.4, 73.4]	31.9	[22.1, 43.5]	5.1	[2.2, 11.3]	100.0
None (n=1,252)	46.4	[42.9, 50.1]	50.5	[46.9, 54.1]	3.0	[2.2, 4.2]	100.0
Pearson: Uncorrected chi2(6) =	66.9099						
Design-based F(5.82, 14965.87) =	7.9279	Pr =	0.000				
Total (n=2,583)	48.0	[45.6, 50.5]	46.2	[43.8, 48.6]	5.8	[4.8, 6.9]	100.0

Note: Total n is less than universe N due to item non-response.

1.4 Q: Now thinking about your mental health, which includes stress, depression, and problems with emotions: for how many days during the past 30 days was your mental health not good?

Universe: All respondents (N=2,602)

| | Number of days mental health not good | | | |
	Mean	SE	95% CI	n
Age				
19-34	5.3	0.34	[4.6, 6.0]	1,016
35-50	6.4	0.46	[5.5, 7.3]	682
51-64	6.7	0.46	[5.8, 7.6]	847
ANOVA results $F_{(2, 2,533)}$= 3.59, p = 0.0277				
Gender				
Female	6.5	0.32	[5.8, 7.1]	1,513
Male	5.3	0.35	[4.7, 6.0]	1,032
Two sample t-test results, diference= -1.13, 95% CI (-2.06, -0.19) t(2,533)= -2.37, p = 0.018				
Race/ethnicity				
White, non-Hispanic	6.3	0.31	[5.7, 6.9]	1,660
Black, non-Hispanic	5.8	0.55	[4.7, 6.9]	421
Hispanic	5.6	0.89	[3.9, 7.4]	165
Other, non-Hispanic	4.5	0.62	[3.3, 5.7]	240
ANOVA results $F_{(3, 2,474)}$= 2.27, p = 0.0784				
FPL category				
0-35%	7.1	0.39	[6.3, 7.8]	932
36-99%	4.8	0.31	[4.2, 5.4]	932
100%+	4.2	0.37	[3.4, 4.9]	681
ANOVA results $F_{(2, 2,533)}$= 16.53, p < 0.0001				
Region				
UP/NW/NE	5.3	0.49	[4.4, 6.3]	504
W/E Central/E	6.3	0.42	[5.5, 7.1]	758
S Central/SW/SE	7.5	0.59	[6.3, 8.7]	510
Detroit Metro	5.0	0.37	[4.3, 5.8]	773
ANOVA results $F_{(3, 2,533)}$= 5.01, p = 0.0018				
Chronic condition (2018 survey or DW)				
Yes	7.0	0.32	[6.4, 7.6]	1,606
No	4.3	0.34	[3.6, 5.0]	939
Two sample t-test results, difference= -2.67, 95% CI (-3.58, -1.75) t(2,533)= -5.70, p < 0.001				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	12.3	0.86	[10.6, 14.0]	295
Mental health condition	8.7	0.43	[7.8, 9.5]	912
Substance use disorder	3.7	0.89	[1.9, 5.4]	99
None	2.7	0.25	[2.2, 3.2]	1,239
ANOVA results $F_{(3, 2,533)}$= 75.98, p < 0.0001				
Total	5.9	0.24	[5.4, 6.4]	2,545

Note: Total n is less than universe N due to item non-response.

1.5 Q: Overall, since you enrolled in the Healthy Michigan Plan, would you say your mental and emotional health has gotten better, stayed the same, or gotten worse?

Universe: All respondents (N=2,602)

	Gotten better		Stayed the same		Gotten worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,031)	34.9	[31.3, 38.6]	60.4	[56.7, 64.1]	4.7	[3.4, 6.5]	100.0
36-49 (n=694)	34.8	[30.5, 39.5]	59.4	[54.7, 63.9]	5.7	[4.1, 8.0]	100.0
50-64 (n=859)	36.2	[32.4, 40.2]	57.0	[52.9, 60.9]	6.8	[5.1, 9.1]	100.0
Pearson: Uncorrected chi2(4) =	4.6009						
Design-based F(3.86, 9935.36) =	0.8388	Pr =	0.497				
Gender							
Female (n=1,536)	34.0	[31.2, 36.9]	59.8	[56.8, 62.8]	6.2	[4.8, 7.9]	100.0
Male (n=1,048)	36.3	[32.7, 40.2]	58.9	[55.1, 62.7]	4.7	[3.5, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	3.5570						
Design-based F(1.99, 5112.98) =	1.1688	Pr =	0.311				
Race/ethnicity							
White, non-Hispanic (n=1,685)	37.0	[34.0, 40.0]	57.2	[54.1, 60.2]	5.9	[4.7, 7.3]	100.0
Black, non-Hispanic (n=422)	30.2	[25.0, 35.8]	64.2	[58.4, 69.6]	5.6	[3.5, 8.9]	100.0
Hispanic (n=168)	40.0	[31.6, 48.9]	56.0	[47.0, 64.6]	4.1	[1.9, 8.6]	100.0
Other, non-Hispanic (n=245)	31.0	[24.3, 38.6]	64.8	[57.1, 71.8]	4.2	[2.1, 8.3]	100.0
Pearson: Uncorrected chi2(6) =	15.3127						
Design-based F(5.84, 14651.12) =	1.5514	Pr =	0.159				
FPL category							
0-35% (n=951)	36.5	[32.8, 40.3]	57.3	[53.5, 61.1]	6.2	[4.7, 8.0]	100.0
36-99% (n=942)	35.6	[32.3, 39.1]	59.3	[55.7, 62.8]	5.1	[3.8, 6.9]	100.0
100%+ (n=691)	30.8	[27.0, 34.8]	65.4	[61.3, 69.3]	3.8	[2.4, 5.9]	100.0
Pearson: Uncorrected chi2(4) =	11.2105						
Design-based F(3.82, 9826.08) =	2.4470	Pr =	0.047				
Region							
UP/NW/NE (n=514)	37.3	[32.7, 42.1]	57.7	[52.8, 62.4]	5.0	[3.3, 7.7]	100.0
W/E Central/E (n=765)	35.9	[32.0, 39.9]	57.4	[53.3, 61.4]	6.7	[5.0, 9.0]	100.0
S Central/SW/SE (n=518)	38.6	[33.7, 43.7]	53.4	[48.3, 58.4]	8.0	[5.6, 11.4]	100.0
Detroit Metro (n=787)	32.8	[28.8, 37.1]	63.6	[59.3, 67.7]	3.6	[2.4, 5.3]	100.0
Pearson: Uncorrected chi2(6) =	26.7026						
Design-based F(5.29, 13612.77) =	3.5797	Pr =	0.003				
Chronic condition (2018 survey or DW)							
Yes (n=1,630)	36.2	[33.2, 39.2]	57.5	[54.4, 60.5]	6.4	[5.1, 7.9]	100.0
No (n=954)	33.7	[29.9, 37.7]	62.2	[58.2, 66.1]	4.1	[2.8, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	9.3411						
Design-based F(1.99, 5129.61) =	2.8415	Pr =	0.059				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=299)	42.7	[35.8, 49.9]	45.8	[38.9, 52.9]	11.5	[7.8, 16.6]	100.0
Mental health condition (n=932)	44.8	[40.8, 48.8]	47.6	[43.6, 51.6]	7.6	[5.9, 9.9]	100.0
Substance use disorder (n=99)	25.6	[17.1, 36.3]	69.7	[58.7, 78.8]	4.7	[2.0, 10.6]	100.0
None (n=1,254)	27.8	[24.5, 31.3]	69.7	[66.1, 73.0]	2.6	[1.7, 3.9]	100.0
Pearson: Uncorrected chi2(6) =	154.9291						
Design-based F(5.77, 14843.79) =	18.1157	Pr =	0.000				
Total (n=2,584)	35.2	[32.8, 37.6]	59.4	[56.9, 61.8]	5.4	[4.5, 6.6]	100.0

Note: Total n is less than universe N due to item non-response.

1.6 Q: During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

Universe: All respondents (N=2,602)

	Number of days missed due to poor physical or mental health			
	Mean	SE	95% CI	n
Age				
19-34	3.0	0.25	[2.5, 3.5]	1,011
35-50	6.2	0.48	[5.2, 7.1]	691
51-64	8.0	0.50	[7.0, 9.0]	843
ANOVA results F(2, 2,533)= 48.64, p < 0.0001				
Gender				
Female	4.9	0.28	[4.4, 5.5]	1,513
Male	5.0	0.34	[4.3, 5.7]	1,032
Two sample t-test results, difference= 0.11, 95% CI (-0.76, 0.97) t(2,533)= 0.24, p = 0.812				
Race/ethnicity				
White, non-Hispanic	5.2	0.28	[4.6, 5.7]	1,661
Black, non-Hispanic	4.7	0.51	[3.7, 5.7]	415
Hispanic	5.0	0.87	[3.3, 6.8]	161
Other, non-Hispanic	4.0	0.64	[2.7, 5.2]	244
ANOVA results F(3, 2,469)= 1.06, p = 0.3657				
FPL category				
0-35%	6.2	0.37	[5.5, 7.0]	937
36-99%	3.7	0.29	[3.1, 4.3]	928
100%+	3.0	0.29	[2.4, 3.6]	680
ANOVA results F(2, 2,533)= 25.01, p < 0.0001				
Region				
UP/NW/NE	5.3	0.47	[4.3, 6.2]	508
W/E Central/E	5.4	0.41	[4.6, 6.2]	752
S Central/SW/SE	5.5	0.48	[4.6, 6.5]	508
Detroit Metro	4.4	0.36	[3.7, 5.1]	777
ANOVA results F(2, 2,533)= 25.01, p < 0.0001				
Chronic condition (2018 survey or DW)				
Yes	6.8	0.33	[6.1, 7.4]	1,603
No	2.3	0.22	[1.9, 2.8]	942
ANOVA results F(2, 2,533)= 25.01, p < 0.0001				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	10.0	0.82	[8.4, 11.6]	294
Mental health condition	7.1	0.43	[6.3, 8.0]	918
Substance use disorder	4.2	1.11	[2.0, 6.4]	99
None	2.3	0.20	[2.0, 2.7]	1,234
ANOVA results F(3, 2,533)= 55.08, p < 0.0001				
Total	5.0	0.22	[4.5, 5.4]	2,545

Note: Total n is less than universe N due to item non-response.

1.7 Q: In the past 12 months, about how many days did you miss work because of illness or injury (do not include maternity leave)?

Universe: Respondents who were employed/self-employed (N=1,517)

	Number of days missed work due to illness or injury			
	Mean	SE	95% CI	n
Age				
19-34	5.6	0.69	[4.2, 6.9]	718
35-50	7.8	1.47	[4.9, 10.6]	428
51-64	8.9	2.05	[4.9, 12.9]	352
ANOVA results F(2, 1,486)= 1.84, p = 0.1586				
Gender				
Female	6.5	0.81	[4.9, 8.1]	916
Male	6.7	0.98	[4.8, 8.6]	582
Two sample t-test results, difference= 0.17, 95% CI (-2.33, 2.67) t(1,486)= 0.13, p = 0.897				
Race/ethnicity				
White, non-Hispanic	7.1	0.84	[5.5, 8.8]	962
Black, non-Hispanic	5.9	1.17	[3.6, 8.2]	254
Hispanic	5.5	1.81	[2.0, 9.1]	105
Other, non-Hispanic	6.4	2.71	[1.1, 11.8]	138
ANOVA results F(3, 1,447)= 0.38, p = 0.7657				
FPL category				
0-35%	7.7	1.43	[4.9, 10.5]	298
36-99%	5.9	0.68	[4.6, 7.3]	672
100%+	6.0	0.90	[4.2, 7.7]	528
ANOVA results F(2, 1,486)= 0.68, p = 0.5043				
Region				
UP/NW/NE	4.6	0.92	[2.8, 6.4]	276
W/E Central/E	6.7	1.33	[4.1, 9.3]	432
S Central/SW/SE	8.4	1.49	[5.4, 11.3]	304
Detroit Metro	6.2	0.97	[4.3, 8.1]	486
ANOVA results F(3, 1,486)= 1.75, p = 0.1546				
Chronic condition (2018 survey or DW)				
Yes	8.4	0.98	[6.4, 10.3]	836
No	4.7	0.76	[3.2, 6.2]	662
Two sample t-test results, difference= -3.70, 95% CI (-6.13, -1.27) t(1,486)= -2.99, p = 0.003				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	11.8	2.66	[6.6, 17.0]	133
Mental health condition	9.3	1.48	[6.3, 12.2]	527
Substance use disorder	4.6	1.50	[1.7, 7.6]	49
None	4.3	0.59	[3.2, 5.5]	789
ANOVA results F(3, 1,486)= 5.35, p = 0.0011				
Total	6.6	0.64	[5.4, 7.9]	1,498

Note: Total n is less than universe N due to item non-response.

1.8 Q: Thinking about your dental health, since you enrolled in the Healthy Michigan Plan, has the health of your teeth and gums gotten better, stayed the same, or gotten worse?

Universe: All respondents (N=2,602)

	Change in dental health status since HMP enrollment						Total
	Gotten better		Stayed the same		Gotten worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,028)	35.3	[31.8, 38.9]	57.1	[53.4, 60.8]	7.6	[5.8, 9.7]	100.0
36-49 (n=681)	37.3	[32.8, 42.0]	49.5	[44.8, 54.2]	13.2	[10.4, 16.7]	100.0
50-64 (n=856)	30.4	[26.9, 34.3]	55.3	[51.2, 59.4]	14.2	[11.4, 17.6]	100.0
Pearson: Uncorrected chi2(4) =	32.5578						
Design-based F(3.91, 9974.32) =	5.6430	Pr =	0.000				
Gender							
Female (n=1,528)	35.2	[32.3, 38.2]	54.0	[50.9, 57.1]	10.8	[9.1, 12.9]	100.0
Male (n=1,037)	34.2	[30.7, 37.9]	55.5	[51.7, 59.3]	10.3	[8.3, 12.7]	100.0
Pearson: Uncorrected chi2(2) =	0.6373						
Design-based F(2.00, 5099.81) =	0.2029	Pr =	0.816				
Race/ethnicity							
White, non-Hispanic (n=1,673)	32.5	[29.8, 35.4]	56.9	[53.9, 59.9]	10.6	[8.9, 12.6]	100.0
Black, non-Hispanic (n=418)	38.8	[33.1, 44.8]	51.7	[45.8, 57.6]	9.5	[6.7, 13.3]	100.0
Hispanic (n=164)	36.4	[28.0, 45.6]	50.1	[40.9, 59.3]	13.5	[8.4, 21.0]	100.0
Other, non-Hispanic (n=246)	36.9	[30.0, 44.3]	52.6	[45.1, 60.0]	10.5	[6.8, 16.0]	100.0
Pearson: Uncorrected chi2(6) =	10.4035						
Design-based F(5.94, 14793.32) =	1.0155	Pr =	0.413				
FPL category							
0-35% (n=940)	34.3	[30.7, 38.0]	54.8	[50.9, 58.6]	11.0	[8.9, 13.5]	100.0
36-99% (n=938)	37.7	[34.3, 41.3]	50.6	[47.0, 54.2]	11.6	[9.5, 14.1]	100.0
100%+ (n=687)	31.6	[27.8, 35.6]	60.6	[56.4, 64.7]	7.8	[5.8, 10.5]	100.0
Pearson: Uncorrected chi2(4) =	12.8354						
Design-based F(3.80, 9692.31) =	2.7136	Pr =	0.031				
Region							
UP/NW/NE (n=513)	39.4	[34.7, 44.2]	52.5	[47.6, 57.3]	8.1	[5.9, 11.2]	100.0
W/E Central/E (n=755)	33.1	[29.4, 37.0]	54.6	[50.5, 58.6]	12.3	[9.8, 15.3]	100.0
S Central/SW/SE (n=514)	33.1	[28.5, 38.0]	55.6	[50.5, 60.5]	11.3	[8.5, 15.0]	100.0
Detroit Metro (n=783)	35.4	[31.4, 39.6]	55.0	[50.7, 59.2]	9.6	[7.5, 12.3]	100.0
Pearson: Uncorrected chi2(6) =	7.3540						
Design-based F(5.28, 13492.16) =	1.0086	Pr =	0.413				
Chronic condition (2018 survey or DW)							
Yes (n=1,617)	34.4	[31.6, 37.4]	52.2	[49.1, 55.3]	13.4	[11.4, 15.5]	100.0
No (n=948)	35.0	[31.3, 39.0]	58.6	[54.5, 62.5]	6.4	[4.7, 8.7]	100.0
Pearson: Uncorrected chi2(2) =	33.0323						
Design-based F(2.00, 5105.82) =	9.9068	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=295)	36.6	[30.1, 43.6]	47.3	[40.2, 54.5]	16.1	[11.7, 21.9]	100.0
Mental health condition (n=929)	37.7	[33.8, 41.7]	51.6	[47.5, 55.6]	10.8	[8.6, 13.4]	100.0
Substance use disorder (n=97)	35.5	[25.0, 47.6]	51.3	[39.5, 63.0]	13.2	[7.0, 23.8]	100.0
None (n=1,244)	32.2	[29.0, 35.6]	59.0	[55.4, 62.4]	8.8	[7.0, 11.0]	100.0
Pearson: Uncorrected chi2(6) =	28.0663						
Design-based F(5.98, 15262.03) =	3.0175	Pr =	0.006				
Total (n=2,565)	34.7	[32.4, 37.1]	54.8	[52.3, 57.2]	10.5	[9.2, 12.1]	100.0

Note: Total n is less than universe N due to item non-response.

1.9 Q: How tall are you?

Universe: All respondents (N=2,602)

	Height (inches)			
	Mean	SE	95% CI	n
Age				
19-34	67.3	0.16	[67.0, 67.6]	1,030
35-50	67.7	0.22	[67.3, 68.1]	693
51-64	67.0	0.18	[66.6, 67.3]	867
ANOVA results F(2, 2,578)= 3.44, p = 0.0323				
Gender				
Female	64.2	0.09	[64.0, 64.4]	1,539
Male	70.3	0.13	[70.1, 70.6]	1,051
Two sample t-test results, difference= 6.10, 95% CI (5.81, 6.40)				
t(2,578)= 40.17, p < 0.001				
Race/ethnicity				
White, non-Hispanic	67.4	0.13	[67.1, 67.6]	1,696
Black, non-Hispanic	67.4	0.26	[66.9, 67.9]	422
Hispanic	66.0	0.38	[65.3, 66.8]	163
Other, non-Hispanic	67.3	0.36	[66.6, 68.1]	243
ANOVA results F(3, 2,512)= 3.94, p = 0.0081				
FPL category				
0-35%	67.9	0.17	[67.5, 68.2]	958
36-99%	66.6	0.15	[66.3, 66.9]	943
100%+	66.7	0.18	[66.3, 67.0]	689
ANOVA results F(2, 2,578)= 17.73, p < 0.0001				
Region				
UP/NW/NE	67.4	0.21	[67.0, 67.8]	518
W/E Central/E	67.4	0.18	[67.1, 67.8]	767
S Central/SW/SE	67.5	0.21	[67.1, 67.9]	522
Detroit Metro	67.1	0.20	[66.8, 67.5]	783
ANOVA results F(3, 2,578)= 0.61, p = 0.6105				
Chronic condition (2018 survey or DW)				
Yes	67.4	0.14	[67.1, 67.7]	1,635
No	67.2	0.18	[66.8, 67.5]	955
Two sample t-test results, difference= -0.26, 95% CI (-0.71, 0.19)				
t(2,578)= -1.14, p = 0.255				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	68.7	0.28	[68.1, 69.2]	301
Mental health condition	66.5	0.17	[66.2, 66.8]	941
Substance use disorder	68.4	0.42	[67.6, 69.3]	100
None	67.4	0.16	[67.1, 67.8]	1,248
ANOVA results F(3, 2,578)= 18.02, p < 0.0001				
Total	67.3	0.11	[67.1, 67.5]	2,590

Note: Total n is less than universe N due to item non-response.

1.10 Q: How much do you weigh?

Universe: All respondents (N=2,602)

	Weight (pounds)			
	Mean	SE	95% CI	n
Age				
19-34	180.7	2.07	[176.7, 184.8]	1,022
35-50	197.0	2.75	[191.7, 202.4]	678
51-64	189.8	2.16	[185.6, 194.1]	848
ANOVA results F(2, 2,536)= 11.92, p < 0.0001				
Gender				
Female	174.5	1.66	[171.2, 177.7]	1,499
Male	198.9	2.11	[194.8, 203.1]	1,049
Two sample t-test results, difference= 24.48, 95% CI (19.21, 29.75) t(2,536)= 9.10, p < 0.001				
Race/ethnicity				
White, non-Hispanic	187.0	1.68	[183.7, 190.3]	1,660
Black, non-Hispanic	190.5	3.01	[184.5, 196.4]	415
Hispanic	181.5	4.87	[172.0, 191.1]	168
Other, non-Hispanic	180.6	4.45	[171.9, 189.4]	244
ANOVA results F(3, 2,475)= 1.52, p = 0.2083				
FPL category				
0-35%	191.7	2.21	[187.4, 196.0]	943
36-99%	179.1	1.85	[175.4, 182.7]	925
100%+	184.6	2.27	[180.1, 189.0]	680
ANOVA results F(2, 2,536)= 9.62, p = 0.0001				
Region				
UP/NW/NE	188.5	2.75	[183.1, 193.9]	508
W/E Central/E	193.8	2.34	[189.2, 198.4]	754
S Central/SW/SE	190.4	3.16	[184.2, 196.6]	510
Detroit Metro	181.0	2.28	[176.5, 185.5]	776
ANOVA results F(3, 2,536)= 5.38, p = 0.0011				
Chronic condition (2018 survey or DW)				
Yes	197.1	1.83	[193.5, 200.7]	1,602
No	172.2	1.94	[168.3, 176.0]	946
Two sample t-test results, difference= -24.97, 95% CI (-30.21, -19.73) t(2,536)= -9.34, p < 0.001				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	188.2	3.49	[181.4, 195.0]	299
Mental health condition	188.0	2.30	[183.5, 192.5]	923
Substance use disorder	181.3	4.67	[172.1, 190.4]	99
None	186.5	2.07	[182.4, 190.6]	1,227
ANOVA results F(3, 2,536)= 0.61, p = 0.6061				
Total	187.0	1.37	[184.3, 189.7]	2,548

Note: Total n is less than universe N due to item non-response.

1.11 Q: Compared to 12 months ago, how would you describe your weight?

Universe: All respondents (N=2,602)

	Lost weight		Stayed about the same		Gained weight		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,027)	27.3	[24.2, 30.6]	45.0	[41.2, 48.8]	27.8	[24.5, 31.3]	100.0
36-49 (n=689)	30.8	[26.6, 35.2]	45.8	[41.2, 50.5]	23.4	[19.8, 27.6]	100.0
50-64 (n=866)	31.9	[28.3, 35.7]	42.4	[38.5, 46.5]	25.7	[22.2, 29.5]	100.0
Pearson: Uncorrected chi2(4) =	7.8148						
Design-based F(3.90, 10011.03) =	1.3719	Pr =	0.242				
Gender							
Female (n=1,534)	32.8	[30.1, 35.8]	39.9	[36.9, 43.0]	27.3	[24.5, 30.2]	100.0
Male (n=1,048)	25.7	[22.6, 29.1]	49.1	[45.3, 52.9]	25.1	[22.0, 28.6]	100.0
Pearson: Uncorrected chi2(2) =	24.5747						
Design-based F(2.00, 5135.49) =	7.6424	Pr =	0.000				
Race/ethnicity							
White, non-Hispanic (n=1,685)	27.8	[25.3, 30.5]	47.6	[44.6, 50.6]	24.6	[22.0, 27.3]	100.0
Black, non-Hispanic (n=419)	33.1	[27.7, 38.9]	42.6	[36.8, 48.6]	24.3	[19.6, 29.8]	100.0
Hispanic (n=168)	31.8	[23.8, 41.2]	37.2	[28.9, 46.3]	30.9	[23.2, 39.9]	100.0
Other, non-Hispanic (n=246)	28.9	[22.9, 35.7]	41.1	[33.8, 48.9]	30.0	[23.6, 37.2]	100.0
Pearson: Uncorrected chi2(6) =	15.8481						
Design-based F(5.92, 14840.08) =	1.5180	Pr =	0.169				
FPL category							
0-35% (n=952)	28.9	[25.6, 32.4]	43.4	[39.6, 47.4]	27.7	[24.3, 31.3]	100.0
36-99% (n=936)	29.2	[26.1, 32.5]	46.9	[43.4, 50.6]	23.9	[20.9, 27.1]	100.0
100%+ (n=694)	30.3	[26.5, 34.4]	44.6	[40.4, 48.9]	25.1	[21.6, 29.0]	100.0
Pearson: Uncorrected chi2(4) =	4.3437						
Design-based F(3.79, 9749.90) =	0.9017	Pr =	0.458				
Region							
UP/NW/NE (n=517)	29.4	[25.2, 34.0]	50.7	[45.9, 55.5]	19.8	[16.3, 23.9]	100.0
W/E Central/E (n=763)	32.4	[28.7, 36.3]	41.3	[37.4, 45.4]	26.3	[22.8, 30.1]	100.0
S Central/SW/SE (n=516)	32.1	[27.5, 36.9]	38.7	[33.9, 43.7]	29.3	[24.8, 34.2]	100.0
Detroit Metro (n=786)	26.0	[22.5, 29.8]	48.0	[43.6, 52.3]	26.0	[22.4, 30.0]	100.0
Pearson: Uncorrected chi2(6) =	23.9193						
Design-based F(5.26, 13521.88) =	3.2222	Pr =	0.006				
Chronic condition (2018 survey or DW)							
Yes (n=1,630)	33.2	[30.4, 36.0]	40.4	[37.4, 43.5]	26.4	[23.8, 29.2]	100.0
No (n=952)	23.4	[20.2, 26.9]	50.8	[46.7, 54.8]	25.8	[22.4, 29.6]	100.0
Pearson: Uncorrected chi2(2) =	35.1783						
Design-based F(2.00, 5134.29) =	10.5707	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=299)	27.4	[21.5, 34.2]	42.0	[35.1, 49.1]	30.6	[24.5, 37.4]	100.0
Mental health condition (n=935)	34.0	[30.3, 37.8]	37.5	[33.7, 41.5]	28.5	[25.0, 32.3]	100.0
Substance use disorder (n=99)	24.4	[15.9, 35.4]	54.9	[43.1, 66.1]	20.8	[12.9, 31.6]	100.0
None (n=1,249)	26.9	[24.0, 30.1]	49.1	[45.5, 52.7]	24.0	[21.0, 27.2]	100.0
Pearson: Uncorrected chi2(6) =	36.0215						
Design-based F(5.95, 15294.57) =	3.8896	Pr =	0.001				
Total (n=2,582)	29.2	[27.1, 31.4]	44.6	[42.1, 47.1]	26.2	[24.1, 28.4]	100.0

Note: Total n is less than universe N due to item non-response.

1.12 Q: Has a doctor or other health professional ever told you that you had any of the following?

1.12.1 Self-reported chronic conditions

Universe: All respondents (N=2,602)

	Weighted Proportion	95% CI
Any self-reported chronic condition[a]		
Yes (n=1,842)	67.5	[65.1, 69.8]
No (n=760)	32.5	[30.2, 34.9]
Mood disorder		
Yes (n=840)	32.0	[29.8, 34.3]
No (n=1,749)	68.0	[65.7, 70.2]
Other chronic condition		
Yes (n=773)	27.5	[25.4, 29.6]
No (n=1,820)	72.5	[70.4, 74.6]
Hypertension		
Yes (n=738)	25.5	[23.5, 27.6]
No (n=1,855)	74.5	[72.4, 76.5]
Arthritis or a related condition		
Yes (n=614)	20.1	[18.4, 22.0]
No (n=1,973)	79.9	[78.0, 81.6]
Asthma		
Yes (n=388)	16.0	[14.2, 18.0]
No (n=2,208)	84.0	[82.0, 85.8]
Chronic bronchitis, COPD, or emphysema		
Yes (n=259)	9.2	[7.9, 10.6]
No (n=2,335)	90.8	[89.4, 92.1]
Diabetes		
Yes (n=270)	8.8	[7.7, 10.2]
No (n=2,319)	91.2	[89.8, 92.3]
Heart condition or heart disease		
Yes (n=227)	8.5	[7.3, 9.9]
No (n=2,364)	91.5	[90.1, 92.7]
Substance use disorder		
Yes (n=112)	4.3	[3.5, 5.4]
No (n=2,484)	95.7	[94.6, 96.5]
Cancer		
Yes (n=89)	2.7	[2.1, 3.4]
No (n=2,501)	97.3	[96.6, 97.9]
Stroke		
Yes (n=64)	2.3	[1.7, 3.0]
No (n=2,534)	97.7	[97.0, 98.3]

Note: Total n is less than universe N due to item non-response.

[a] Any self-reported chronic condition was defined as as a Yes response to the question of ever having been told by a health care provider that the individual had asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

1.12.2 Any self-reported chronic condition

Universe: All respondents (N=2,602)

| | \multicolumn{4}{c}{Any self-reported chronic condition} | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	54.7	[50.9, 58.3]	45.3	[41.7, 49.1]	100.0
36-49 (n=696)	74.8	[70.5, 78.6]	25.2	[21.4, 29.5]	100.0
50-64 (n=870)	87.7	[84.8, 90.1]	12.3	[9.9, 15.2]	100.0
Pearson: Uncorrected chi2(2) =	228.2725				
Design-based F(1.92, 4980.07) =	82.4222	Pr =	0.000		
Gender					
Female (n=1,547)	66.5	[63.5, 69.4]	33.5	[30.6, 36.5]	100.0
Male (n=1,055)	68.5	[64.7, 71.9]	31.5	[28.1, 35.3]	100.0
Pearson: Uncorrected chi2(1) =	1.1322				
Design-based F(1.00, 2590.00) =	0.6553	Pr =	0.418		
Race/ethnicity					
White, non-Hispanic (n=1,696)	72.6	[69.8, 75.3]	27.4	[24.7, 30.2]	100.0
Black, non-Hispanic (n=422)	64.2	[58.2, 69.8]	35.8	[30.2, 41.8]	100.0
Hispanic (n=169)	64.2	[55.4, 72.1]	35.8	[27.9, 44.6]	100.0
Other, non-Hispanic (n=248)	51.7	[44.2, 59.1]	48.3	[40.9, 55.8]	100.0
Pearson: Uncorrected chi2(3) =	57.1789				
Design-based F(2.95, 7444.62) =	10.8015	Pr =	0.000		
FPL category					
0-35% (n=960)	73.3	[69.5, 76.8]	26.7	[23.2, 30.5]	100.0
36-99% (n=947)	59.2	[55.6, 62.7]	40.8	[37.3, 44.4]	100.0
100%+ (n=695)	62.4	[58.1, 66.4]	37.6	[33.6, 41.9]	100.0
Pearson: Uncorrected chi2(2) =	49.2001				
Design-based F(1.84, 4759.53) =	18.4726	Pr =	0.000		
Region					
UP/NW/NE (n=518)	74.8	[70.3, 78.8]	25.2	[21.2, 29.7]	100.0
W/E Central/E (n=770)	74.9	[71.3, 78.2]	25.1	[21.8, 28.7]	100.0
S Central/SW/SE (n=523)	75.3	[70.8, 79.3]	24.7	[20.7, 29.2]	100.0
Detroit Metro (n=791)	58.0	[53.6, 62.2]	42.0	[37.8, 46.4]	100.0
Pearson: Uncorrected chi2(3) =	85.1244				
Design-based F(2.67, 6902.76) =	23.7340	Pr =	0.000		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	91.0	[89.0, 92.6]	9.0	[7.4, 11.0]	100.0
No (n=958)	32.5	[29.0, 36.3]	67.5	[63.7, 71.0]	100.0
Pearson: Uncorrected chi2(1) =	973.8677				
Design-based F(1.00, 2590.00) =	593.2348	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	94.0	[89.5, 96.6]	6.0	[3.4, 10.5]	100.0
Mental health condition (n=944)	87.3	[84.0, 89.9]	12.7	[10.1, 16.0]	100.0
Substance use disorder (n=100)	71.4	[59.3, 81.1]	28.6	[18.9, 40.7]	100.0
None (n=1,257)	47.5	[44.0, 51.1]	52.5	[48.9, 56.0]	100.0
Pearson: Uncorrected chi2(3) =	497.1769				
Design-based F(2.99, 7746.42) =	97.6056	Pr =	0.000		
Total (n=2,602)	67.5	[65.1, 69.8]	32.5	[30.2, 34.9]	100.0

Note: Any self-reported chronic condition was defined as a Yes response to the question of ever having been told by a health care provider that the individual had asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

1.12.3   New diagnosis since HMP enrollment

Universe: All respondents (N=2,602)

| | New diagnosis since HMP enrollment | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	20.5	[17.8, 23.5]	79.5	[76.5, 82.2]	100.0
36-49 (n=696)	34.4	[30.2, 38.9]	65.6	[61.1, 69.8]	100.0
50-64 (n=870)	45.0	[41.0, 49.1]	55.0	[50.9, 59.0]	100.0
Pearson: Uncorrected chi2(2) =	128.7569				
Design-based F(1.96, 5073.60) =	45.9967	Pr =	0.000		
Gender					
Female (n=1,547)	28.6	[26.0, 31.3]	71.4	[68.7, 74.0]	100.0
Male (n=1,055)	30.9	[27.7, 34.3]	69.1	[65.7, 72.3]	100.0
Pearson: Uncorrected chi2(1) =	1.7154				
Design-based F(1.00, 2590.00) =	1.1606	Pr =	0.281		
Race/ethnicity					
White, non-Hispanic (n=1,696)	32.2	[29.5, 35.0]	67.8	[65.0, 70.5]	100.0
Black, non-Hispanic (n=422)	26.1	[21.5, 31.3]	73.9	[68.7, 78.5]	100.0
Hispanic (n=169)	29.6	[21.8, 38.8]	70.4	[61.2, 78.2]	100.0
Other, non-Hispanic (n=248)	26.7	[20.8, 33.4]	73.3	[66.6, 79.2]	100.0
Pearson: Uncorrected chi2(3) =	9.2320				
Design-based F(2.99, 7550.63) =	1.8396	Pr =	0.138		
FPL category					
0-35% (n=960)	32.2	[28.9, 35.7]	67.8	[64.3, 71.1]	100.0
36-99% (n=947)	25.8	[22.9, 28.9]	74.2	[71.1, 77.1]	100.0
100%+ (n=695)	28.3	[24.7, 32.2]	71.7	[67.8, 75.3]	100.0
Pearson: Uncorrected chi2(2) =	9.8693				
Design-based F(1.91, 4949.51) =	4.4876	Pr =	0.012		
Region					
UP/NW/NE (n=518)	31.4	[27.2, 35.9]	68.6	[64.1, 72.8]	100.0
W/E Central/E (n=770)	35.6	[31.8, 39.6]	64.4	[60.4, 68.2]	100.0
S Central/SW/SE (n=523)	34.1	[29.5, 39.1]	65.9	[60.9, 70.5]	100.0
Detroit Metro (n=791)	23.9	[20.6, 27.5]	76.1	[72.5, 79.4]	100.0
Pearson: Uncorrected chi2(3) =	35.5160				
Design-based F(2.65, 6851.64) =	9.8372	Pr =	0.000		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	42.9	[39.9, 45.9]	57.1	[54.1, 60.1]	100.0
No (n=958)	10.2	[8.2, 12.6]	89.8	[87.4, 91.8]	100.0
Pearson: Uncorrected chi2(1) =	319.4794				
Design-based F(1.00, 2590.00) =	219.9472	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	47.7	[40.7, 54.7]	52.3	[45.3, 59.3]	100.0
Mental health condition (n=944)	39.6	[35.8, 43.6]	60.4	[56.4, 64.2]	100.0
Substance use disorder (n=100)	31.9	[22.4, 43.3]	68.1	[56.7, 77.6]	100.0
None (n=1,257)	18.6	[16.2, 21.3]	81.4	[78.7, 83.8]	100.0
Pearson: Uncorrected chi2(3) =	167.9050				
Design-based F(2.98, 7717.12) =	37.9304	Pr =	0.000		
Total (n=2,602)	29.8	[27.7, 31.9]	70.2	[68.1, 72.3]	100.0

Note: New diagnosis since HMP enrollment was defined as reporting that one or more chronic conditions (asthma, arthritis or related condition, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) had been diagnosed after HMP enrollment.

1.12.4 Q: Has a doctor or other health professional ever told you that you had a mood disorder (for example, depression, anxiety, bipolar disorder)?

Universe: All respondents (N=2,602)

	Mood disorder				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,030)	30.8	[27.5, 34.2]	69.2	[65.8, 72.5]	100.0
36-49 (n=691)	34.1	[29.9, 38.6]	65.9	[61.4, 70.1]	100.0
50-64 (n=868)	32.4	[28.6, 36.3]	67.6	[63.7, 71.4]	100.0
Pearson: Uncorrected chi2(2) =	2.2945				
Design-based F(1.95, 5036.66) =	0.8141	Pr =	0.441		
Gender					
Female (n=1,542)	36.8	[33.9, 39.8]	63.2	[60.2, 66.1]	100.0
Male (n=1,047)	27.3	[24.2, 30.8]	72.7	[69.2, 75.8]	100.0
Pearson: Uncorrected chi2(1) =	26.6421				
Design-based F(1.00, 2577.00) =	16.4740	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,689)	37.8	[35.0, 40.8]	62.2	[59.2, 65.0]	100.0
Black, non-Hispanic (n=421)	22.4	[17.8, 27.6]	77.6	[72.4, 82.2]	100.0
Hispanic (n=168)	36.8	[28.2, 46.4]	63.2	[53.6, 71.8]	100.0
Other, non-Hispanic (n=246)	19.2	[14.2, 25.5]	80.8	[74.5, 85.8]	100.0
Pearson: Uncorrected chi2(3) =	72.1699				
Design-based F(2.98, 7489.57) =	13.8033	Pr =	0.000		
FPL category					
0-35% (n=955)	36.5	[33.0, 40.1]	63.5	[59.9, 67.0]	100.0
36-99% (n=944)	26.1	[23.2, 29.3]	73.9	[70.7, 76.8]	100.0
100%+ (n=690)	27.3	[23.8, 31.2]	72.7	[68.8, 76.2]	100.0
Pearson: Uncorrected chi2(2) =	28.8620				
Design-based F(1.91, 4928.95) =	13.1265	Pr =	0.000		
Region					
UP/NW/NE (n=517)	37.5	[32.9, 42.3]	62.5	[57.7, 67.1]	100.0
W/E Central/E (n=767)	40.3	[36.4, 44.4]	59.7	[55.6, 63.6]	100.0
S Central/SW/SE (n=519)	40.5	[35.6, 45.6]	59.5	[54.4, 64.4]	100.0
Detroit Metro (n=786)	22.0	[18.7, 25.7]	78.0	[74.3, 81.3]	100.0
Pearson: Uncorrected chi2(3) =	95.0713				
Design-based F(2.63, 6772.09) =	25.0462	Pr =	0.000		
Chronic condition (2018 survey or DW)					
Yes (n=1,637)	39.9	[36.9, 43.0]	60.1	[57.0, 63.1]	100.0
No (n=952)	20.2	[17.4, 23.4]	79.8	[76.6, 82.6]	100.0
Pearson: Uncorrected chi2(1) =	110.5138				
Design-based F(1.00, 2577.00) =	72.8674	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	73.2	[66.7, 78.9]	26.8	[21.1, 33.3]	100.0
Mental health condition (n=937)	68.8	[65.0, 72.5]	31.2	[27.5, 35.0]	100.0
Substance use disorder (n=99)	0.0		100.0		100.0
None (n=1,253)	0.0		100.0		100.0
Pearson: Uncorrected chi2(3) =	1450.4691				
Design-based F(2.99, 7703.15) =	327.1167	Pr =	0.000		
Total (n=2,589)	32.0	[29.8, 34.3]	68.0	[65.7, 70.2]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.4.1 Q: Did you find out you had a mood disorder before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had a mood disorder (N=840)

| | Mood disorder diagnosis | | | | |
| | Before HMP | | After HMP | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=338)	76.6	[70.7, 81.7]	23.4	[18.3, 29.3]	100.0
36-49 (n=237)	75.6	[68.6, 81.5]	24.4	[18.5, 31.4]	100.0
50-64 (n=260)	75.2	[67.9, 81.2]	24.8	[18.8, 32.1]	100.0
Pearson: Uncorrected chi2(2) =	0.1817				
Design-based F(1.98, 1628.41) =	0.0644	Pr =	0.936		
Gender					
Female (n=560)	75.7	[71.1, 79.8]	24.3	[20.2, 28.9]	100.0
Male (n=275)	76.5	[69.9, 82.0]	23.5	[18.0, 30.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0705				
Design-based F(1.00, 823.00) =	0.0429	Pr =	0.836		
Race/ethnicity					
White, non-Hispanic (n=619)	76.5	[72.3, 80.3]	23.5	[19.7, 27.7]	100.0
Black, non-Hispanic (n=89)	68.0	[55.1, 78.6]	32.0	[21.4, 44.9]	100.0
Hispanic (n=56)	76.4	[57.9, 88.4]	23.6	[11.6, 42.1]	100.0
Other, non-Hispanic (n=51)	85.9	[73.6, 93.0]	14.1	[7.0, 26.4]	100.0
Pearson: Uncorrected chi2(3) =	7.6985				
Design-based F(2.80, 2249.80) =	1.4324	Pr =	0.233		
FPL category					
0-35% (n=373)	75.4	[69.9, 80.3]	24.6	[19.7, 30.1]	100.0
36-99% (n=261)	78.1	[72.2, 83.0]	21.9	[17.0, 27.8]	100.0
100%+ (n=201)	75.4	[68.0, 81.6]	24.6	[18.4, 32.0]	100.0
Pearson: Uncorrected chi2(2) =	0.5570				
Design-based F(1.93, 1585.51) =	0.2655	Pr =	0.759		
Region					
UP/NW/NE (n=189)	75.5	[67.9, 81.8]	24.5	[18.2, 32.1]	100.0
W/E Central/E (n=286)	77.7	[71.9, 82.5]	22.3	[17.5, 28.1]	100.0
S Central/SW/SE (n=193)	74.4	[66.4, 81.1]	25.6	[18.9, 33.6]	100.0
Detroit Metro (n=167)	75.7	[67.0, 82.6]	24.3	[17.4, 33.0]	100.0
Pearson: Uncorrected chi2(3) =	0.7462				
Design-based F(2.62, 2153.96) =	0.1845	Pr =	0.884		
Chronic condition (2018 survey or DW)					
Yes (n=626)	77.3	[73.0, 81.2]	22.7	[18.8, 27.0]	100.0
No (n=209)	72.1	[64.2, 78.9]	27.9	[21.1, 35.8]	100.0
Pearson: Uncorrected chi2(1) =	2.3418				
Design-based F(1.00, 823.00) =	1.5522	Pr =	0.213		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=211)	76.2	[68.6, 82.4]	23.8	[17.6, 31.4]	100.0
Mental health condition (n=624)	76.0	[71.5, 79.9]	24.0	[20.1, 28.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0049				
Design-based F(1.00, 823.00) =	0.0031	Pr =	0.956		
Total (n=835)	76.0	[72.2, 79.4]	24.0	[20.6, 27.8]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.5 Q: Has a doctor or other health professional ever told you that you had hypertension, also called high blood pressure?

Universe: All respondents (N=2,602)

| | Hypertension | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,031)	10.8	[8.7, 13.4]	89.2	[86.6, 91.3]	100.0
36-49 (n=692)	32.8	[28.4, 37.4]	67.2	[62.6, 71.6]	100.0
50-64 (n=870)	49.8	[45.7, 53.8]	50.2	[46.2, 54.3]	100.0
Pearson: Uncorrected chi2(2) =	356.6214				
Design-based F(1.94, 5012.69) =	115.4355	Pr =	0.000		
Gender					
Female (n=1,543)	22.7	[20.4, 25.3]	77.3	[74.7, 79.6]	100.0
Male (n=1,050)	28.2	[25.0, 31.6]	71.8	[68.4, 75.0]	100.0
Pearson: Uncorrected chi2(1) =	10.1174				
Design-based F(1.00, 2581.00) =	6.9369	Pr =	0.008		
Race/ethnicity					
White, non-Hispanic (n=1,692)	24.6	[22.2, 27.1]	75.4	[72.9, 77.8]	100.0
Black, non-Hispanic (n=420)	31.3	[26.2, 36.8]	68.7	[63.2, 73.8]	100.0
Hispanic (n=168)	22.1	[15.5, 30.6]	77.9	[69.4, 84.5]	100.0
Other, non-Hispanic (n=247)	21.9	[16.3, 28.7]	78.1	[71.3, 83.7]	100.0
Pearson: Uncorrected chi2(3) =	13.6202				
Design-based F(2.98, 7493.98) =	2.6733	Pr =	0.046		
FPL category					
0-35% (n=956)	30.8	[27.5, 34.2]	69.2	[65.8, 72.5]	100.0
36-99% (n=944)	18.3	[15.8, 21.1]	81.7	[78.9, 84.2]	100.0
100%+ (n=693)	20.5	[17.4, 23.9]	79.5	[76.1, 82.6]	100.0
Pearson: Uncorrected chi2(2) =	45.9033				
Design-based F(1.92, 4949.00) =	21.9891	Pr =	0.000		
Region					
UP/NW/NE (n=517)	27.9	[24.1, 32.1]	72.1	[67.9, 75.9]	100.0
W/E Central/E (n=766)	27.6	[24.2, 31.3]	72.4	[68.7, 75.8]	100.0
S Central/SW/SE (n=522)	26.8	[22.6, 31.4]	73.2	[68.6, 77.4]	100.0
Detroit Metro (n=788)	23.1	[19.8, 26.8]	76.9	[73.2, 80.2]	100.0
Pearson: Uncorrected chi2(3) =	6.2346				
Design-based F(2.61, 6730.67) =	1.7698	Pr =	0.158		
Chronic condition (2018 survey or DW)					
Yes (n=1,637)	42.7	[39.7, 45.8]	57.3	[54.2, 60.3]	100.0
No (n=956)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	598.3586				
Design-based F(1.00, 2581.00) =	420.4740	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	41.0	[34.4, 48.0]	59.0	[52.0, 65.6]	100.0
Mental health condition (n=938)	29.8	[26.3, 33.6]	70.2	[66.4, 73.7]	100.0
Substance use disorder (n=99)	29.1	[20.6, 39.5]	70.9	[60.5, 79.4]	100.0
None (n=1,255)	18.5	[16.0, 21.2]	81.5	[78.8, 84.0]	100.0
Pearson: Uncorrected chi2(3) =	84.2732				
Design-based F(2.95, 7609.15) =	19.7183	Pr =	0.000		
Total (n=2,593)	25.5	[23.5, 27.6]	74.5	[72.4, 76.5]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.5.1 Q: Did you find out you had hypertension before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had hypertension (N=738)

| | Hypertension diagnosis | | | | |
| | Before HMP | | After HMP | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=103)	57.5	[45.6, 68.6]	42.5	[31.4, 54.4]	100.0
36-49 (n=199)	75.3	[67.3, 81.8]	24.7	[18.2, 32.7]	100.0
50-64 (n=426)	74.1	[68.7, 79.0]	25.9	[21.0, 31.3]	100.0
Pearson: Uncorrected chi2(2) =	17.3086				
Design-based F(1.95, 1397.13) =	4.8780	Pr =	0.008		
Gender					
Female (n=392)	78.0	[72.9, 82.4]	22.0	[17.6, 27.1]	100.0
Male (n=336)	65.5	[58.7, 71.6]	34.5	[28.4, 41.3]	100.0
Pearson: Uncorrected chi2(1) =	13.6820				
Design-based F(1.00, 716.00) =	9.5590	Pr =	0.002		
Race/ethnicity					
White, non-Hispanic (n=474)	70.3	[64.5, 75.4]	29.7	[24.6, 35.5]	100.0
Black, non-Hispanic (n=146)	77.7	[69.0, 84.4]	22.3	[15.6, 31.0]	100.0
Hispanic (n=38)	63.8	[44.6, 79.4]	36.2	[20.6, 55.4]	100.0
Other, non-Hispanic (n=52)	68.4	[51.7, 81.3]	31.6	[18.7, 48.3]	100.0
Pearson: Uncorrected chi2(3) =	5.5111				
Design-based F(2.95, 2062.32) =	1.0555	Pr =	0.366		
FPL category					
0-35% (n=354)	73.4	[67.2, 78.7]	26.6	[21.3, 32.8]	100.0
36-99% (n=203)	65.3	[57.5, 72.4]	34.7	[27.6, 42.5]	100.0
100%+ (n=171)	67.9	[59.4, 75.4]	32.1	[24.6, 40.6]	100.0
Pearson: Uncorrected chi2(2) =	3.9672				
Design-based F(1.91, 1370.32) =	1.7815	Pr =	0.170		
Region					
UP/NW/NE (n=168)	67.8	[59.5, 75.1]	32.2	[24.9, 40.5]	100.0
W/E Central/E (n=221)	64.8	[57.0, 71.8]	35.2	[28.2, 43.0]	100.0
S Central/SW/SE (n=144)	77.9	[68.2, 85.3]	22.1	[14.7, 31.8]	100.0
Detroit Metro (n=195)	72.7	[64.4, 79.7]	27.3	[20.3, 35.6]	100.0
Pearson: Uncorrected chi2(3) =	8.2615				
Design-based F(2.60, 1863.51) =	2.0004	Pr =	0.121		
Chronic condition (2018 survey or DW)					
Yes (n=728)	71.0	[66.6, 75.1]	29.0	[24.9, 33.4]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=131)	69.6	[59.2, 78.4]	30.4	[21.6, 40.8]	100.0
Mental health condition (n=285)	76.4	[69.6, 82.1]	23.6	[17.9, 30.4]	100.0
Substance use disorder (n=38)	63.7	[45.7, 78.5]	36.3	[21.5, 54.3]	100.0
None (n=274)	66.9	[59.0, 73.9]	33.1	[26.1, 41.0]	100.0
Pearson: Uncorrected chi2(3) =	7.2255				
Design-based F(2.89, 2065.79) =	1.6345	Pr =	0.181		
Total (n=728)	71.0	[66.6, 75.1]	29.0	[24.9, 33.4]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.6   Q: Has a doctor or other health professional ever told you that you had arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)?

Universe: All respondents (N=2,602)

| | Arthritis or a related condition | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,034)	6.4	[4.8, 8.3]	93.6	[91.7, 95.2]	100.0
36-49 (n=691)	28.3	[24.3, 32.7]	71.7	[67.3, 75.7]	100.0
50-64 (n=862)	41.7	[37.8, 45.8]	58.3	[54.2, 62.2]	100.0
Pearson: Uncorrected chi2(2) =	356.6343				
Design-based F(1.96, 5047.05) =	122.8226	Pr =	0.000		
Gender					
Female (n=1,539)	21.8	[19.4, 24.3]	78.2	[75.7, 80.6]	100.0
Male (n=1,048)	18.6	[16.1, 21.4]	81.4	[78.6, 83.9]	100.0
Pearson: Uncorrected chi2(1) =	4.1220				
Design-based F(1.00, 2575.00) =	2.9652	Pr =	0.085		
Race/ethnicity					
White, non-Hispanic (n=1,688)	21.6	[19.5, 24.0]	78.4	[76.0, 80.5]	100.0
Black, non-Hispanic (n=421)	18.3	[14.3, 23.0]	81.7	[77.0, 85.7]	100.0
Hispanic (n=166)	16.7	[11.2, 24.1]	83.3	[75.9, 88.8]	100.0
Other, non-Hispanic (n=246)	19.3	[14.3, 25.5]	80.7	[74.5, 85.7]	100.0
Pearson: Uncorrected chi2(3) =	4.7180				
Design-based F(2.97, 7441.71) =	1.0034	Pr =	0.390		
FPL category					
0-35% (n=952)	24.0	[21.1, 27.1]	76.0	[72.9, 78.9]	100.0
36-99% (n=943)	14.6	[12.4, 17.0]	85.4	[83.0, 87.6]	100.0
100%+ (n=692)	16.9	[14.2, 20.1]	83.1	[79.9, 85.8]	100.0
Pearson: Uncorrected chi2(2) =	29.3296				
Design-based F(1.93, 4966.11) =	15.1896	Pr =	0.000		
Region					
UP/NW/NE (n=515)	25.3	[21.6, 29.5]	74.7	[70.5, 78.4]	100.0
W/E Central/E (n=767)	23.8	[20.6, 27.3]	76.2	[72.7, 79.4]	100.0
S Central/SW/SE (n=521)	21.5	[17.7, 25.7]	78.5	[74.3, 82.3]	100.0
Detroit Metro (n=784)	16.3	[13.5, 19.4]	83.7	[80.6, 86.5]	100.0
Pearson: Uncorrected chi2(3) =	20.8346				
Design-based F(2.64, 6802.40) =	6.1807	Pr =	0.001		
Chronic condition (2018 survey or DW)					
Yes (n=1,632)	33.8	[31.0, 36.6]	66.2	[63.4, 69.0]	100.0
No (n=955)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	440.8156				
Design-based F(1.00, 2575.00) =	316.0667	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	36.0	[29.6, 42.9]	64.0	[57.1, 70.4]	100.0
Mental health condition (n=936)	25.6	[22.5, 29.0]	74.4	[71.0, 77.5]	100.0
Substance use disorder (n=100)	17.3	[10.8, 26.5]	82.7	[73.5, 89.2]	100.0
None (n=1,251)	12.8	[10.9, 15.1]	87.2	[84.9, 89.1]	100.0
Pearson: Uncorrected chi2(3) =	110.5982				
Design-based F(2.95, 7584.03) =	27.5048	Pr =	0.000		
Total (n=2,587)	20.1	[18.4, 22.0]	79.9	[78.0, 81.6]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.6.1   Q: Did you find out you had arthritis or a related condition before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had arthritis or a related condition (N=614)

	Before HMP		After HMP		Total
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=67)	57.7	[43.9, 70.4]	42.3	[29.6, 56.1]	100.0
36-49 (n=191)	67.5	[59.3, 74.8]	32.5	[25.2, 40.7]	100.0
50-64 (n=356)	72.2	[66.3, 77.4]	27.8	[22.6, 33.7]	100.0
Pearson: Uncorrected chi2(2) =	7.2982				
Design-based F(1.96, 1177.19) =	2.2444	Pr =	0.108		
Gender					
Female (n=373)	67.9	[61.9, 73.3]	32.1	[26.7, 38.1]	100.0
Male (n=241)	68.5	[61.1, 75.0]	31.5	[25.0, 38.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0228				
Design-based F(1.00, 602.00) =	0.0152	Pr =	0.902		
Race/ethnicity					
White, non-Hispanic (n=435)	67.9	[62.3, 73.0]	32.1	[27.0, 37.7]	100.0
Black, non-Hispanic (n=86)	69.9	[57.7, 79.8]	30.1	[20.2, 42.3]	100.0
Hispanic (n=29)	50.9	[31.1, 70.3]	49.1	[29.7, 68.9]	100.0
Other, non-Hispanic (n=50)	77.8	[64.2, 87.2]	22.2	[12.8, 35.8]	100.0
Pearson: Uncorrected chi2(3) =	8.0464				
Design-based F(2.97, 1747.17) =	1.7115	Pr =	0.163		
FPL category					
0-35% (n=300)	70.7	[64.4, 76.3]	29.3	[23.7, 35.6]	100.0
36-99% (n=172)	63.9	[55.6, 71.5]	36.1	[28.5, 44.4]	100.0
100%+ (n=142)	62.8	[53.2, 71.5]	37.2	[28.5, 46.8]	100.0
Pearson: Uncorrected chi2(2) =	3.4409				
Design-based F(1.95, 1174.46) =	1.6172	Pr =	0.200		
Region					
UP/NW/NE (n=148)	59.9	[50.9, 68.3]	40.1	[31.7, 49.1]	100.0
W/E Central/E (n=201)	63.2	[55.3, 70.4]	36.8	[29.6, 44.7]	100.0
S Central/SW/SE (n=116)	69.9	[59.1, 78.8]	30.1	[21.2, 40.9]	100.0
Detroit Metro (n=149)	74.2	[65.4, 81.5]	25.8	[18.5, 34.6]	100.0
Pearson: Uncorrected chi2(3) =	8.3472				
Design-based F(2.68, 1615.35) =	2.1362	Pr =	0.101		
Chronic condition (2018 survey or DW)					
Yes (n=614)	68.2	[63.6, 72.4]	31.8	[27.6, 36.4]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=117)	60.0	[48.6, 70.4]	40.0	[29.6, 51.4]	100.0
Mental health condition (n=275)	72.1	[65.5, 77.8]	27.9	[22.2, 34.5]	100.0
Substance use disorder (n=22)	67.6	[42.7, 85.4]	32.4	[14.6, 57.3]	100.0
None (n=200)	68.8	[60.6, 75.9]	31.2	[24.1, 39.4]	100.0
Pearson: Uncorrected chi2(3) =	6.0821				
Design-based F(2.95, 1773.76) =	1.4099	Pr =	0.239		
Total (n=614)	68.2	[63.6, 72.4]	31.8	[27.6, 36.4]	100.0

1.12.7 Q: Has a doctor or other health professional ever told you that you had asthma?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
			Asthma		
Age					
19-35 (n=1,034)	17.7	[14.9, 21.0]	82.3	[79.0, 85.1]	100.0
36-49 (n=696)	15.1	[12.1, 18.8]	84.9	[81.2, 87.9]	100.0
50-64 (n=866)	13.3	[10.8, 16.3]	86.7	[83.7, 89.2]	100.0
Pearson: Uncorrected chi2(2) =	6.4300				
Design-based F(1.92, 4971.66) =	2.1836	Pr =	0.115		
Gender					
Female (n=1,542)	17.5	[15.2, 20.0]	82.5	[80.0, 84.8]	100.0
Male (n=1,054)	14.7	[12.0, 17.8]	85.3	[82.2, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	3.7838				
Design-based F(1.00, 2584.00) =	2.0227	Pr =	0.155		
Race/ethnicity					
White, non-Hispanic (n=1,692)	15.4	[13.2, 17.8]	84.6	[82.2, 86.8]	100.0
Black, non-Hispanic (n=422)	15.1	[11.2, 20.1]	84.9	[79.9, 88.8]	100.0
Hispanic (n=168)	22.3	[14.7, 32.3]	77.7	[67.7, 85.3]	100.0
Other, non-Hispanic (n=248)	15.2	[10.7, 21.3]	84.8	[78.7, 89.3]	100.0
Pearson: Uncorrected chi2(3) =	6.2330				
Design-based F(2.98, 7493.26) =	1.0654	Pr =	0.362		
FPL category					
0-35% (n=959)	17.4	[14.6, 20.7]	82.6	[79.3, 85.4]	100.0
36-99% (n=944)	13.8	[11.6, 16.5]	86.2	[83.5, 88.4]	100.0
100%+ (n=693)	15.1	[12.3, 18.5]	84.9	[81.5, 87.7]	100.0
Pearson: Uncorrected chi2(2) =	4.8152				
Design-based F(1.88, 4855.74) =	1.9456	Pr =	0.146		
Region					
UP/NW/NE (n=518)	16.2	[12.8, 20.1]	83.8	[79.9, 87.2]	100.0
W/E Central/E (n=767)	15.9	[13.2, 19.2]	84.1	[80.8, 86.8]	100.0
S Central/SW/SE (n=522)	17.9	[14.4, 22.2]	82.1	[77.8, 85.6]	100.0
Detroit Metro (n=789)	15.2	[12.1, 18.9]	84.8	[81.1, 87.9]	100.0
Pearson: Uncorrected chi2(3) =	1.9830				
Design-based F(2.55, 6587.09) =	0.4891	Pr =	0.659		
Chronic condition (2018 survey or DW)					
Yes (n=1,638)	26.8	[24.0, 29.9]	73.2	[70.1, 76.0]	100.0
No (n=958)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	334.2549				
Design-based F(1.00, 2584.00) =	223.6317	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	19.1	[14.0, 25.5]	80.9	[74.5, 86.0]	100.0
Mental health condition (n=939)	23.0	[19.8, 26.6]	77.0	[73.4, 80.2]	100.0
Substance use disorder (n=100)	5.8	[2.6, 12.5]	94.2	[87.5, 97.4]	100.0
None (n=1,256)	11.5	[9.1, 14.3]	88.5	[85.7, 90.9]	100.0
Pearson: Uncorrected chi2(3) =	61.6632				
Design-based F(2.81, 7262.89) =	12.9104	Pr =	0.000		
Total (n=2,596)	16.0	[14.2, 18.0]	84.0	[82.0, 85.8]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.7.1 Q: Did you find out you had asthma before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had asthma (N=388)

| | Asthma diagnosis | | | | |
| | **Before HMP** | | **After HMP** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=168)	94.9	[90.5, 97.3]	5.1	[2.7, 9.5]	100.0
36-49 (n=108)	90.7	[83.3, 95.0]	9.3	[5.0, 16.7]	100.0
50-64 (n=111)	83.5	[74.3, 89.9]	16.5	[10.1, 25.7]	100.0
Pearson: Uncorrected chi2(2) =	9.6675				
Design-based F(1.97, 740.24) =	4.8194	Pr =	0.009		
Gender					
Female (n=250)	91.3	[86.9, 94.3]	8.7	[5.7, 13.1]	100.0
Male (n=137)	92.2	[86.8, 95.5]	7.8	[4.5, 13.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1118				
Design-based F(1.00, 375.00) =	0.1062	Pr =	0.745		
Race/ethnicity					
White, non-Hispanic (n=246)	89.8	[84.9, 93.2]	10.2	[6.8, 15.1]	100.0
Black, non-Hispanic (n=61)	95.7	[87.4, 98.6]	4.3	[1.4, 12.6]	100.0
Hispanic (n=29)	94.7	[82.3, 98.6]	5.3	[1.4, 17.7]	100.0
Other, non-Hispanic (n=38)	90.5	[76.7, 96.5]	9.5	[3.5, 23.3]	100.0
Pearson: Uncorrected chi2(3) =	3.2308				
Design-based F(2.97, 1075.85) =	1.0234	Pr =	0.381		
FPL category					
0-35% (n=157)	92.2	[87.4, 95.3]	7.8	[4.7, 12.6]	100.0
36-99% (n=132)	92.0	[86.1, 95.5]	8.0	[4.5, 13.9]	100.0
100%+ (n=98)	89.6	[81.4, 94.5]	10.4	[5.5, 18.6]	100.0
Pearson: Uncorrected chi2(2) =	0.4649				
Design-based F(1.96, 733.80) =	0.2847	Pr =	0.747		
Region					
UP/NW/NE (n=79)	88.8	[78.8, 94.5]	11.2	[5.5, 21.2]	100.0
W/E Central/E (n=116)	87.1	[79.7, 92.1]	12.9	[7.9, 20.3]	100.0
S Central/SW/SE (n=93)	94.6	[85.0, 98.2]	5.4	[1.8, 15.0]	100.0
Detroit Metro (n=99)	93.7	[88.3, 96.7]	6.3	[3.3, 11.7]	100.0
Pearson: Uncorrected chi2(3) =	5.0156				
Design-based F(2.71, 1016.99) =	1.6774	Pr =	0.175		
Chronic condition (2018 survey or DW)					
Yes (n=387)	91.7	[88.5, 94.1]	8.3	[5.9, 11.5]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=62)	93.5	[84.5, 97.4]	6.5	[2.6, 15.5]	100.0
Mental health condition (n=205)	89.5	[84.1, 93.2]	10.5	[6.8, 15.9]	100.0
Substance use disorder (n=7)	31.6	[8.8, 68.8]	68.4	[31.2, 91.2]	100.0
None (n=113)	96.2	[91.8, 98.3]	3.8	[1.7, 8.2]	100.0
Pearson: Uncorrected chi2(3) =	30.8660				
Design-based F(2.97, 1114.99) =	12.0421	Pr =	0.000		
Total (n=387)	91.7	[88.5, 94.1]	8.3	[5.9, 11.5]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.8 Q: Has a doctor or other health professional ever told you that you had chronic bronchitis, COPD or emphysema?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
				Chronic bronchitis, COPD, or emphysema	
Age					
19-35 (n=1,034)	3.8	[2.6, 5.5]	96.2	[94.5, 97.4]	100.0
36-49 (n=694)	11.6	[8.8, 15.0]	88.4	[85.0, 91.2]	100.0
50-64 (n=866)	18.4	[15.4, 21.9]	81.6	[78.1, 84.6]	100.0
Pearson: Uncorrected chi2(2) =	112.1973				
Design-based F(1.96, 5057.39) =	35.7442	Pr =	0.000		
Gender					
Female (n=1,543)	9.0	[7.4, 10.8]	91.0	[89.2, 92.6]	100.0
Male (n=1,051)	9.4	[7.5, 11.6]	90.6	[88.4, 92.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1134				
Design-based F(1.00, 2582.00) =	0.0787	Pr =	0.779		
Race/ethnicity					
White, non-Hispanic (n=1,690)	9.1	[7.6, 10.7]	90.9	[89.3, 92.4]	100.0
Black, non-Hispanic (n=421)	9.8	[6.8, 13.9]	90.2	[86.1, 93.2]	100.0
Hispanic (n=169)	5.6	[2.9, 10.5]	94.4	[89.5, 97.1]	100.0
Other, non-Hispanic (n=248)	12.0	[7.6, 18.2]	88.0	[81.8, 92.4]	100.0
Pearson: Uncorrected chi2(3) =	5.8912				
Design-based F(2.85, 7182.78) =	1.1951	Pr =	0.309		
FPL category					
0-35% (n=958)	11.6	[9.6, 14.0]	88.4	[86.0, 90.4]	100.0
36-99% (n=944)	6.6	[5.1, 8.4]	93.4	[91.6, 94.9]	100.0
100%+ (n=692)	5.8	[4.2, 7.9]	94.2	[92.1, 95.8]	100.0
Pearson: Uncorrected chi2(2) =	22.3607				
Design-based F(1.94, 5010.22) =	11.6976	Pr =	0.000		
Region					
UP/NW/NE (n=516)	11.9	[9.1, 15.3]	88.1	[84.7, 90.9]	100.0
W/E Central/E (n=770)	8.6	[6.7, 11.0]	91.4	[89.0, 93.3]	100.0
S Central/SW/SE (n=520)	10.1	[7.6, 13.2]	89.9	[86.8, 92.4]	100.0
Detroit Metro (n=788)	8.6	[6.5, 11.2]	91.4	[88.8, 93.5]	100.0
Pearson: Uncorrected chi2(3) =	3.2708				
Design-based F(2.63, 6789.58) =	0.9667	Pr =	0.399		
Chronic condition (2018 survey or DW)					
Yes (n=1,637)	15.4	[13.3, 17.7]	84.6	[82.3, 86.7]	100.0
No (n=957)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	176.7901				
Design-based F(1.00, 2582.00) =	126.2345	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	18.1	[13.4, 24.1]	81.9	[75.9, 86.6]	100.0
Mental health condition (n=941)	12.4	[10.1, 15.3]	87.6	[84.7, 89.9]	100.0
Substance use disorder (n=99)	12.1	[6.1, 22.7]	87.9	[77.3, 93.9]	100.0
None (n=1,253)	4.6	[3.4, 6.1]	95.4	[93.9, 96.6]	100.0
Pearson: Uncorrected chi2(3) =	76.4882				
Design-based F(2.99, 7713.17) =	16.9531	Pr =	0.000		
Total (n=2,594)	9.2	[7.9, 10.6]	90.8	[89.4, 92.1]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.8.1 Q: Did you find out you had chronic bronchitis, COPD or emphysema before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had chronic bronchitis, COPD or emphysema (N=259)

| | Chronic bronchitis, COPD, or emphysema diagnosis | | | | |
| | Before HMP | | After HMP | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=38)	69.4	[49.3, 84.1]	30.6	[15.9, 50.7]	100.0
36-49 (n=73)	72.0	[58.7, 82.4]	28.0	[17.6, 41.3]	100.0
50-64 (n=148)	64.4	[54.6, 73.2]	35.6	[26.8, 45.4]	100.0
Pearson: Uncorrected chi2(2) =	1.3837				
Design-based F(1.94, 479.75) =	0.4097	Pr =	0.658		
Gender					
Female (n=145)	66.4	[56.5, 75.0]	33.6	[25.0, 43.5]	100.0
Male (n=114)	69.4	[58.3, 78.6]	30.6	[21.4, 41.7]	100.0
Pearson: Uncorrected chi2(1) =	0.2690				
Design-based F(1.00, 247.00) =	0.1850	Pr =	0.668		
Race/ethnicity					
White, non-Hispanic (n=174)	68.1	[59.6, 75.6]	31.9	[24.4, 40.4]	100.0
Black, non-Hispanic (n=41)	74.3	[55.7, 86.9]	25.7	[13.1, 44.3]	100.0
Hispanic (n=11)	63.0	[30.2, 87.0]	37.0	[13.0, 69.8]	100.0
Other, non-Hispanic (n=28)	59.6	[36.5, 79.1]	40.4	[20.9, 63.5]	100.0
Pearson: Uncorrected chi2(3) =	2.4949				
Design-based F(2.86, 693.06) =	0.4932	Pr =	0.678		
FPL category					
0-35% (n=139)	70.1	[60.2, 78.4]	29.9	[21.6, 39.8]	100.0
36-99% (n=71)	67.0	[53.6, 78.2]	33.0	[21.8, 46.4]	100.0
100%+ (n=49)	56.9	[41.5, 71.0]	43.1	[29.0, 58.5]	100.0
Pearson: Uncorrected chi2(2) =	2.1283				
Design-based F(1.93, 476.90) =	1.0754	Pr =	0.340		
Region					
UP/NW/NE (n=62)	66.5	[53.0, 77.8]	33.5	[22.2, 47.0]	100.0
W/E Central/E (n=73)	65.8	[53.5, 76.4]	34.2	[23.6, 46.5]	100.0
S Central/SW/SE (n=58)	66.2	[50.8, 78.7]	33.8	[21.3, 49.2]	100.0
Detroit Metro (n=66)	70.5	[56.2, 81.7]	29.5	[18.3, 43.8]	100.0
Pearson: Uncorrected chi2(3) =	0.5663				
Design-based F(2.61, 645.11) =	0.1569	Pr =	0.904		
Chronic condition (2018 survey or DW)					
Yes (n=259)	67.9	[60.5, 74.5]	32.1	[25.5, 39.5]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=60)	68.6	[53.2, 80.8]	31.4	[19.2, 46.8]	100.0
Mental health condition (n=120)	69.4	[58.3, 78.6]	30.6	[21.4, 41.7]	100.0
Substance use disorder (n=11)	58.5	[26.1, 84.9]	41.5	[15.1, 73.9]	100.0
None (n=68)	66.6	[51.5, 79.0]	33.4	[21.0, 48.5]	100.0
Pearson: Uncorrected chi2(3) =	0.7165				
Design-based F(3.00, 740.26) =	0.1569	Pr =	0.925		
Total (n=259)	67.9	[60.5, 74.5]	32.1	[25.5, 39.5]	100.0

1.12.9 Q: Has a doctor or other health professional ever told you that you had diabetes or sugar diabetes (other than during pregnancy)?

Universe: All respondents (N=2,602)

	Diabetes				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,031)	2.9	[2.0, 4.4]	97.1	[95.6, 98.0]	100.0
36-49 (n=692)	11.2	[8.7, 14.3]	88.8	[85.7, 91.3]	100.0
50-64 (n=866)	19.2	[16.2, 22.7]	80.8	[77.3, 83.8]	100.0
Pearson: Uncorrected chi2(2) =	142.0455				
Design-based F(1.96, 5052.39) =	50.1577	Pr =	0.000		
Gender					
Female (n=1,541)	8.9	[7.4, 10.7]	91.1	[89.3, 92.6]	100.0
Male (n=1,048)	8.8	[7.1, 10.9]	91.2	[89.1, 92.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0063				
Design-based F(1.00, 2577.00) =	0.0049	Pr =	0.944		
Race/ethnicity					
White, non-Hispanic (n=1,689)	8.0	[6.7, 9.6]	92.0	[90.4, 93.3]	100.0
Black, non-Hispanic (n=419)	11.8	[8.7, 15.7]	88.2	[84.3, 91.3]	100.0
Hispanic (n=169)	9.0	[5.4, 14.6]	91.0	[85.4, 94.6]	100.0
Other, non-Hispanic (n=246)	7.6	[4.9, 11.8]	92.4	[88.2, 95.1]	100.0
Pearson: Uncorrected chi2(3) =	7.5829				
Design-based F(2.95, 7418.45) =	1.8852	Pr =	0.131		
FPL category					
0-35% (n=954)	10.0	[8.1, 12.2]	90.0	[87.8, 91.9]	100.0
36-99% (n=941)	7.0	[5.5, 8.8]	93.0	[91.2, 94.5]	100.0
100%+ (n=694)	8.2	[6.2, 10.7]	91.8	[89.3, 93.8]	100.0
Pearson: Uncorrected chi2(2) =	5.4948				
Design-based F(1.94, 5000.11) =	2.8851	Pr =	0.058		
Region					
UP/NW/NE (n=515)	7.8	[5.8, 10.4]	92.2	[89.6, 94.2]	100.0
W/E Central/E (n=770)	10.1	[8.0, 12.7]	89.9	[87.3, 92.0]	100.0
S Central/SW/SE (n=519)	8.5	[6.1, 11.6]	91.5	[88.4, 93.9]	100.0
Detroit Metro (n=785)	8.4	[6.6, 10.7]	91.6	[89.3, 93.4]	100.0
Pearson: Uncorrected chi2(3) =	2.0265				
Design-based F(2.62, 6745.82) =	0.6512	Pr =	0.562		
Chronic condition (2018 survey or DW)					
Yes (n=1,634)	14.8	[12.9, 17.0]	85.2	[83.0, 87.1]	100.0
No (n=955)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	169.4880				
Design-based F(1.00, 2577.00) =	129.8208	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	7.0	[4.4, 10.9]	93.0	[89.1, 95.6]	100.0
Mental health condition (n=938)	13.4	[10.9, 16.2]	86.6	[83.8, 89.1]	100.0
Substance use disorder (n=100)	2.5	[0.9, 7.0]	97.5	[93.0, 99.1]	100.0
None (n=1,251)	6.8	[5.5, 8.5]	93.2	[91.5, 94.5]	100.0
Pearson: Uncorrected chi2(3) =	34.7212				
Design-based F(2.83, 7302.76) =	10.3615	Pr =	0.000		
Total (n=2,589)	8.8	[7.7, 10.2]	91.2	[89.8, 92.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.9.1 Q: Did you find out you had diabetes or sugar diabetes before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had diabetes or sugar diabetes (N=270)

	Before HMP Row %	95% CI	After HMP Row %	95% CI	Total Row %
			Diabetes diagnosis		
Age					
19-35 (n=30)	66.0	[44.4, 82.5]	34.0	[17.5, 55.6]	100.0
36-49 (n=82)	70.1	[58.4, 79.6]	29.9	[20.4, 41.6]	100.0
50-64 (n=158)	69.7	[60.2, 77.8]	30.3	[22.2, 39.8]	100.0
Pearson: Uncorrected chi2(2) =	0.2718				
Design-based F(1.90, 489.66) =	0.0855	Pr =	0.909		
Gender					
Female (n=156)	66.0	[56.3, 74.5]	34.0	[25.5, 43.7]	100.0
Male (n=114)	72.4	[61.6, 81.0]	27.6	[19.0, 38.4]	100.0
Pearson: Uncorrected chi2(1) =	1.2783				
Design-based F(1.00, 258.00) =	0.8516	Pr =	0.357		
Race/ethnicity					
White, non-Hispanic (n=166)	65.5	[55.8, 74.2]	34.5	[25.8, 44.2]	100.0
Black, non-Hispanic (n=56)	80.4	[66.9, 89.3]	19.6	[10.7, 33.1]	100.0
Hispanic (n=18)	61.2	[35.2, 82.0]	38.8	[18.0, 64.8]	100.0
Other, non-Hispanic (n=23)	69.9	[45.4, 86.6]	30.1	[13.4, 54.6]	100.0
Pearson: Uncorrected chi2(3) =	5.9956				
Design-based F(2.98, 748.50) =	1.3435	Pr =	0.259		
FPL category					
0-35% (n=121)	71.3	[61.0, 79.7]	28.7	[20.3, 39.0]	100.0
36-99% (n=83)	65.5	[52.9, 76.3]	34.5	[23.7, 47.1]	100.0
100%+ (n=66)	66.4	[52.1, 78.3]	33.6	[21.7, 47.9]	100.0
Pearson: Uncorrected chi2(2) =	0.8591				
Design-based F(1.95, 502.36) =	0.3806	Pr =	0.678		
Region					
UP/NW/NE (n=51)	71.3	[55.4, 83.2]	28.7	[16.8, 44.6]	100.0
W/E Central/E (n=87)	70.0	[57.7, 79.9]	30.0	[20.1, 42.3]	100.0
S Central/SW/SE (n=48)	73.0	[57.1, 84.6]	27.0	[15.4, 42.9]	100.0
Detroit Metro (n=84)	66.5	[53.8, 77.2]	33.5	[22.8, 46.2]	100.0
Pearson: Uncorrected chi2(3) =	0.7888				
Design-based F(2.67, 687.99) =	0.2247	Pr =	0.858		
Chronic condition (2018 survey or DW)					
Yes (n=270)	69.2	[62.1, 75.5]	30.8	[24.5, 37.9]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=25)	62.0	[35.9, 82.6]	38.0	[17.4, 64.1]	100.0
Mental health condition (n=134)	71.7	[61.8, 79.9]	28.3	[20.1, 38.2]	100.0
Substance use disorder (n=4)	34.2	[6.6, 79.2]	65.8	[20.8, 93.4]	100.0
None (n=107)	68.8	[57.5, 78.3]	31.2	[21.7, 42.5]	100.0
Pearson: Uncorrected chi2(3) =	2.8092				
Design-based F(2.68, 691.37) =	0.7161	Pr =	0.528		
Total (n=270)	69.2	[62.1, 75.5]	30.8	[24.5, 37.9]	100.0

1.12.10 Q: Has a doctor or other health professional ever told you that you had a heart condition or heart disease?

Universe: All respondents (N=2,602)

| | Heart condition or heart disease | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,035)	4.0	[2.8, 5.7]	96.0	[94.3, 97.2]	100.0
36-49 (n=692)	10.0	[7.4, 13.4]	90.0	[86.6, 92.6]	100.0
50-64 (n=864)	16.9	[13.9, 20.4]	83.1	[79.6, 86.1]	100.0
Pearson: Uncorrected chi2(2) =	90.4278				
Design-based F(1.98, 5096.17) =	28.2069	Pr =	0.000		
Gender					
Female (n=1,541)	6.2	[4.9, 7.7]	93.8	[92.3, 95.1]	100.0
Male (n=1,050)	10.8	[8.8, 13.2]	89.2	[86.8, 91.2]	100.0
Pearson: Uncorrected chi2(1) =	17.6561				
Design-based F(1.00, 2579.00) =	13.0579	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,690)	9.1	[7.6, 11.0]	90.9	[89.0, 92.4]	100.0
Black, non-Hispanic (n=420)	6.5	[4.2, 10.0]	93.5	[90.0, 95.8]	100.0
Hispanic (n=169)	12.0	[6.9, 19.9]	88.0	[80.1, 93.1]	100.0
Other, non-Hispanic (n=246)	7.0	[3.7, 12.7]	93.0	[87.3, 96.3]	100.0
Pearson: Uncorrected chi2(3) =	7.2367				
Design-based F(2.96, 7431.45) =	1.2613	Pr =	0.286		
FPL category					
0-35% (n=955)	10.9	[8.9, 13.4]	89.1	[86.6, 91.1]	100.0
36-99% (n=944)	5.3	[4.0, 6.9]	94.7	[93.1, 96.0]	100.0
100%+ (n=692)	6.2	[4.5, 8.3]	93.8	[91.7, 95.5]	100.0
Pearson: Uncorrected chi2(2) =	23.4253				
Design-based F(1.93, 4985.26) =	12.4667	Pr =	0.000		
Region					
UP/NW/NE (n=517)	8.9	[6.6, 11.9]	91.1	[88.1, 93.4]	100.0
W/E Central/E (n=768)	9.7	[7.6, 12.4]	90.3	[87.6, 92.4]	100.0
S Central/SW/SE (n=518)	9.2	[6.6, 12.7]	90.8	[87.3, 93.4]	100.0
Detroit Metro (n=788)	7.4	[5.5, 9.9]	92.6	[90.1, 94.5]	100.0
Pearson: Uncorrected chi2(3) =	3.4263				
Design-based F(2.60, 6713.34) =	0.9336	Pr =	0.413		
Chronic condition (2018 survey or DW)					
Yes (n=1,633)	14.3	[12.3, 16.6]	85.7	[83.4, 87.7]	100.0
No (n=958)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	163.2526				
Design-based F(1.00, 2579.00) =	112.9720	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=297)	16.5	[11.7, 22.6]	83.5	[77.4, 88.3]	100.0
Mental health condition (n=938)	10.2	[8.0, 13.1]	89.8	[86.9, 92.0]	100.0
Substance use disorder (n=100)	15.3	[8.5, 25.9]	84.7	[74.1, 91.5]	100.0
None (n=1,256)	4.9	[3.8, 6.4]	95.1	[93.6, 96.2]	100.0
Pearson: Uncorrected chi2(3) =	57.2063				
Design-based F(2.96, 7640.42) =	12.5842	Pr =	0.000		
Total (n=2,591)	8.5	[7.3, 9.9]	91.5	[90.1, 92.7]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.10.1 Q: Did you find out you had a heart condition or heart disease before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had a heart condition or heart disease (N=227)

| | Heart condition or heart disease diagnosis | | | | |
| | Before HMP | | After HMP | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=41)	73.5	[56.1, 85.8]	26.5	[14.2, 43.9]	100.0
36-49 (n=56)	74.2	[59.9, 84.7]	25.8	[15.3, 40.1]	100.0
50-64 (n=128)	52.1	[41.5, 62.6]	47.9	[37.4, 58.5]	100.0
Pearson: Uncorrected chi2(2) =	11.4760				
Design-based F(1.98, 422.17) =	4.0411	Pr =	0.019		
Gender					
Female (n=104)	69.6	[58.6, 78.6]	30.4	[21.4, 41.4]	100.0
Male (n=121)	60.4	[49.3, 70.5]	39.6	[29.5, 50.7]	100.0
Pearson: Uncorrected chi2(1) =	1.9011				
Design-based F(1.00, 213.00) =	1.4983	Pr =	0.222		
Race/ethnicity					
White, non-Hispanic (n=159)	61.7	[51.8, 70.6]	38.3	[29.4, 48.2]	100.0
Black, non-Hispanic (n=28)	60.6	[38.5, 79.0]	39.4	[21.0, 61.5]	100.0
Hispanic (n=16)	86.7	[63.0, 96.1]	13.3	[3.9, 37.0]	100.0
Other, non-Hispanic (n=14)	71.7	[41.3, 90.1]	28.3	[9.9, 58.7]	100.0
Pearson: Uncorrected chi2(3) =	5.4501				
Design-based F(2.84, 583.09) =	1.1639	Pr =	0.322		
FPL category					
0-35% (n=119)	65.0	[54.3, 74.4]	35.0	[25.6, 45.7]	100.0
36-99% (n=57)	58.4	[43.5, 71.9]	41.6	[28.1, 56.5]	100.0
100%+ (n=49)	63.4	[46.6, 77.5]	36.6	[22.5, 53.4]	100.0
Pearson: Uncorrected chi2(2) =	0.5804				
Design-based F(1.96, 416.60) =	0.2860	Pr =	0.746		
Region					
UP/NW/NE (n=49)	63.2	[47.8, 76.4]	36.8	[23.6, 52.2]	100.0
W/E Central/E (n=78)	63.5	[50.3, 75.0]	36.5	[25.0, 49.7]	100.0
S Central/SW/SE (n=42)	68.4	[50.7, 82.0]	31.6	[18.0, 49.3]	100.0
Detroit Metro (n=56)	61.3	[45.8, 74.9]	38.7	[25.1, 54.2]	100.0
Pearson: Uncorrected chi2(3) =	0.6717				
Design-based F(2.61, 556.77) =	0.1788	Pr =	0.888		
Chronic condition (2018 survey or DW)					
Yes (n=225)	63.7	[55.6, 71.1]	36.3	[28.9, 44.4]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=51)	55.9	[37.8, 72.6]	44.1	[27.4, 62.2]	100.0
Mental health condition (n=89)	67.1	[53.9, 78.1]	32.9	[21.9, 46.1]	100.0
Substance use disorder (n=13)	69.6	[41.4, 88.2]	30.4	[11.8, 58.6]	100.0
None (n=72)	64.2	[51.0, 75.6]	35.8	[24.4, 49.0]	100.0
Pearson: Uncorrected chi2(3) =	2.1289				
Design-based F(2.87, 611.67) =	0.5075	Pr =	0.669		
Total (n=225)	63.7	[55.6, 71.1]	36.3	[28.9, 44.4]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.11 Q: Has a doctor or other health professional ever told you that you had a substance use disorder?

Universe: All respondents (N=2,602)

| | Substance use disorder | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,035)	3.1	[2.1, 4.7]	96.9	[95.3, 97.9]	100.0
36-49 (n=692)	6.2	[4.3, 8.8]	93.8	[91.2, 95.7]	100.0
50-64 (n=869)	4.8	[3.3, 7.0]	95.2	[93.0, 96.7]	100.0
Pearson: Uncorrected chi2(2) =	10.3029				
Design-based F(1.96, 5062.20) =	3.6287	Pr =	0.027		
Gender					
Female (n=1,544)	2.6	[1.9, 3.7]	97.4	[96.3, 98.1]	100.0
Male (n=1,052)	6.0	[4.5, 7.9]	94.0	[92.1, 95.5]	100.0
Pearson: Uncorrected chi2(1) =	17.7626				
Design-based F(1.00, 2584.00) =	14.4158	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,692)	5.4	[4.2, 6.9]	94.6	[93.1, 95.8]	100.0
Black, non-Hispanic (n=422)	2.6	[1.3, 5.1]	97.4	[94.9, 98.7]	100.0
Hispanic (n=169)	5.0	[2.2, 11.1]	95.0	[88.9, 97.8]	100.0
Other, non-Hispanic (n=248)	3.1	[1.5, 6.3]	96.9	[93.7, 98.5]	100.0
Pearson: Uncorrected chi2(3) =	8.8756				
Design-based F(2.97, 7487.92) =	1.8417	Pr =	0.138		
FPL category					
0-35% (n=958)	5.6	[4.2, 7.4]	94.4	[92.6, 95.8]	100.0
36-99% (n=943)	2.7	[1.9, 3.9]	97.3	[96.1, 98.1]	100.0
100%+ (n=695)	3.0	[1.9, 4.7]	97.0	[95.3, 98.1]	100.0
Pearson: Uncorrected chi2(2) =	11.6868				
Design-based F(1.94, 5013.57) =	6.4901	Pr =	0.002		
Region					
UP/NW/NE (n=518)	6.6	[4.5, 9.7]	93.4	[90.3, 95.5]	100.0
W/E Central/E (n=770)	4.9	[3.4, 6.9]	95.1	[93.1, 96.6]	100.0
S Central/SW/SE (n=521)	7.1	[4.6, 10.9]	92.9	[89.1, 95.4]	100.0
Detroit Metro (n=787)	2.2	[1.3, 3.6]	97.8	[96.4, 98.7]	100.0
Pearson: Uncorrected chi2(3) =	25.6621				
Design-based F(2.71, 7007.21) =	6.4880	Pr =	0.000		
Chronic condition (2018 survey or DW)					
Yes (n=1,640)	5.2	[4.0, 6.6]	94.8	[93.4, 96.0]	100.0
No (n=956)	3.0	[1.9, 4.8]	97.0	[95.2, 98.1]	100.0
Pearson: Uncorrected chi2(1) =	6.7572				
Design-based F(1.00, 2584.00) =	4.0822	Pr =	0.043		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=299)	30.4	[24.5, 37.1]	69.6	[62.9, 75.5]	100.0
Mental health condition (n=942)	0.0		100.0		100.0
Substance use disorder (n=100)	13.9	[8.0, 23.1]	86.1	[76.9, 92.0]	100.0
None (n=1,255)	0.0		100.0		100.0
Pearson: Uncorrected chi2(3) =	652.5438				
Design-based F(2.96, 7655.62) =	152.1293	Pr =	0.000		
Total (n=2,596)	4.3	[3.5, 5.4]	95.7	[94.6, 96.5]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.11.1 Q: Did you find out you had a substance use disorder before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had a substance use disorder (N=112)

	Before HMP Row %	95% CI	After HMP Row %	95% CI	Total Row %
			Substance use disorder diagnosis		
Age					
19-35 (n=33)	89.9	[72.9, 96.7]	10.1	[3.3, 27.1]	100.0
36-49 (n=42)	78.6	[60.2, 89.9]	21.4	[10.1, 39.8]	100.0
50-64 (n=35)	86.2	[63.9, 95.6]	13.8	[4.4, 36.1]	100.0
Pearson: Uncorrected chi2(2) =	2.0843				
Design-based F(2.00, 195.75) =	0.7646	Pr =	0.467		
Gender					
Female (n=42)	75.7	[55.9, 88.4]	24.3	[11.6, 44.1]	100.0
Male (n=68)	88.7	[77.3, 94.8]	11.3	[5.2, 22.7]	100.0
Pearson: Uncorrected chi2(1) =	3.0657				
Design-based F(1.00, 98.00) =	2.3363	Pr =	0.130		
Race/ethnicity					
White, non-Hispanic (n=81)	88.6	[79.1, 94.1]	11.4	[5.9, 20.9]	100.0
Black, non-Hispanic (n=12)	77.2	[41.1, 94.2]	22.8	[5.8, 58.9]	100.0
Hispanic (n=7)	77.3	[27.5, 96.8]	22.7	[3.2, 72.5]	100.0
Other, non-Hispanic (n=9)	78.2	[28.5, 97.0]	21.8	[3.0, 71.5]	100.0
Pearson: Uncorrected chi2(3) =	2.2510				
Design-based F(2.94, 285.52) =	0.4354	Pr =	0.724		
FPL category					
0-35% (n=57)	86.4	[72.6, 93.9]	13.6	[6.1, 27.4]	100.0
36-99% (n=31)	74.2	[54.0, 87.6]	25.8	[12.4, 46.0]	100.0
100%+ (n=22)	89.5	[68.3, 97.1]	10.5	[2.9, 31.7]	100.0
Pearson: Uncorrected chi2(2) =	2.0211				
Design-based F(1.90, 185.91) =	1.1476	Pr =	0.318		
Region					
UP/NW/NE (n=28)	94.4	[78.2, 98.7]	5.6	[1.3, 21.8]	100.0
W/E Central/E (n=36)	84.6	[66.4, 93.9]	15.4	[6.1, 33.6]	100.0
S Central/SW/SE (n=25)	81.6	[59.1, 93.2]	18.4	[6.8, 40.9]	100.0
Detroit Metro (n=21)	83.6	[58.0, 95.0]	16.4	[5.0, 42.0]	100.0
Pearson: Uncorrected chi2(3) =	1.3839				
Design-based F(2.61, 255.65) =	0.4004	Pr =	0.725		
Chronic condition (2018 survey or DW)					
Yes (n=83)	84.5	[72.4, 91.9]	15.5	[8.1, 27.6]	100.0
No (n=27)	85.4	[65.3, 94.8]	14.6	[5.2, 34.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0118				
Design-based F(1.00, 98.00) =	0.0090	Pr =	0.925		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=94)	83.0	[72.0, 90.2]	17.0	[9.8, 28.0]	100.0
Substance use disorder (n=16)	97.7	[84.1, 99.7]	2.3	[0.3, 15.9]	100.0
Pearson: Uncorrected chi2(1) =	1.9993				
Design-based F(1.00, 98.00) =	5.5532	Pr =	0.020		
Total (n=110)	84.8	[75.0, 91.2]	15.2	[8.8, 25.0]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.12 Q: Has a doctor or other health professional ever told you that you had cancer, other than skin cancer?

Universe: All respondents (N=2,602)

| | Cancer | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,033)	0.3	[0.1, 0.8]	99.7	[99.2, 99.9]	100.0
36-49 (n=693)	2.5	[1.4, 4.3]	97.5	[95.7, 98.6]	100.0
50-64 (n=864)	8.2	[6.1, 10.8]	91.8	[89.2, 93.9]	100.0
Pearson: Uncorrected chi2(2) =	99.7144				
Design-based F(1.98, 5095.25) =	43.3335	Pr =	0.000		
Gender					
Female (n=1,540)	3.2	[2.3, 4.3]	96.8	[95.7, 97.7]	100.0
Male (n=1,050)	2.2	[1.5, 3.3]	97.8	[96.7, 98.5]	100.0
Pearson: Uncorrected chi2(1) =	2.3067				
Design-based F(1.00, 2578.00) =	1.9251	Pr =	0.165		
Race/ethnicity					
White, non-Hispanic (n=1,687)	3.3	[2.5, 4.4]	96.7	[95.6, 97.5]	100.0
Black, non-Hispanic (n=422)	2.0	[1.0, 4.0]	98.0	[96.0, 99.0]	100.0
Hispanic (n=167)	1.0	[0.2, 4.1]	99.0	[95.9, 99.8]	100.0
Other, non-Hispanic (n=248)	1.9	[0.8, 4.4]	98.1	[95.6, 99.2]	100.0
Pearson: Uncorrected chi2(3) =	5.8490				
Design-based F(2.91, 7318.78) =	1.6673	Pr =	0.173		
FPL category					
0-35% (n=953)	3.2	[2.3, 4.6]	96.8	[95.4, 97.7]	100.0
36-99% (n=943)	1.6	[1.0, 2.6]	98.4	[97.4, 99.0]	100.0
100%+ (n=694)	2.5	[1.6, 4.0]	97.5	[96.0, 98.4]	100.0
Pearson: Uncorrected chi2(2) =	4.6995				
Design-based F(1.94, 4992.89) =	2.9846	Pr =	0.052		
Region					
UP/NW/NE (n=515)	3.6	[2.3, 5.6]	96.4	[94.4, 97.7]	100.0
W/E Central/E (n=768)	2.3	[1.5, 3.6]	97.7	[96.4, 98.5]	100.0
S Central/SW/SE (n=521)	3.2	[2.0, 4.9]	96.8	[95.1, 98.0]	100.0
Detroit Metro (n=786)	2.5	[1.5, 4.0]	97.5	[96.0, 98.5]	100.0
Pearson: Uncorrected chi2(3) =	1.9217				
Design-based F(2.61, 6725.03) =	0.7011	Pr =	0.532		
Chronic condition (2018 survey or DW)					
Yes (n=1,635)	4.5	[3.5, 5.7]	95.5	[94.3, 96.5]	100.0
No (n=955)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	47.8958				
Design-based F(1.00, 2578.00) =	40.1236	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=299)	3.6	[1.7, 7.4]	96.4	[92.6, 98.3]	100.0
Mental health condition (n=938)	3.0	[2.1, 4.4]	97.0	[95.6, 97.9]	100.0
Substance use disorder (n=99)	1.7	[0.5, 5.8]	98.3	[94.2, 99.5]	100.0
None (n=1,254)	2.3	[1.6, 3.3]	97.7	[96.7, 98.4]	100.0
Pearson: Uncorrected chi2(3) =	2.7226				
Design-based F(2.72, 7016.73) =	0.8093	Pr =	0.478		
Total (n=2,590)	2.7	[2.1, 3.4]	97.3	[96.6, 97.9]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.12.1 Q: Did you find out you had cancer, other than skin cancer, before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had cancer, other than skin cancer (N=89)

	Before HMP Row %	95% CI	After HMP Row %	95% CI	Total Row %
			Cancer diagnosis		
Age					
19-35 (n=4)	20.4	[2.4, 72.3]	79.6	[27.7, 97.6]	100.0
36-49 (n=20)	72.8	[45.4, 89.6]	27.2	[10.4, 54.6]	100.0
50-64 (n=64)	46.6	[33.6, 60.0]	53.4	[40.0, 66.4]	100.0
Pearson: Uncorrected chi2(2) =	6.2777				
Design-based F(1.96, 148.86) =	2.8064	Pr =	0.065		
Gender					
Female (n=55)	61.4	[44.4, 76.1]	38.6	[23.9, 55.6]	100.0
Male (n=33)	37.3	[19.8, 59.0]	62.7	[41.0, 80.2]	100.0
Pearson: Uncorrected chi2(1) =	4.9344				
Design-based F(1.00, 76.00) =	3.0902	Pr =	0.083		
Race/ethnicity					
White, non-Hispanic (n=66)	61.7	[45.3, 75.8]	38.3	[24.2, 54.7]	100.0
Black, non-Hispanic (n=10)	10.2	[2.3, 35.5]	89.8	[64.5, 97.7]	100.0
Hispanic (n=2)	100.0		0.0		100.0
Other, non-Hispanic (n=7)	36.7	[9.4, 76.6]	63.3	[23.4, 90.6]	100.0
Pearson: Uncorrected chi2(3) =	15.1669				
Design-based F(2.88, 210.13) =	4.4730	Pr =	0.005		
FPL category					
0-35% (n=42)	50.4	[33.3, 67.4]	49.6	[32.6, 66.7]	100.0
36-99% (n=23)	48.8	[27.0, 71.1]	51.2	[28.9, 73.0]	100.0
100%+ (n=23)	58.1	[33.4, 79.4]	41.9	[20.6, 66.6]	100.0
Pearson: Uncorrected chi2(2) =	0.3526				
Design-based F(1.95, 147.84) =	0.1647	Pr =	0.843		
Region					
UP/NW/NE (n=23)	69.6	[46.2, 86.0]	30.4	[14.0, 53.8]	100.0
W/E Central/E (n=22)	70.0	[44.1, 87.3]	30.0	[12.7, 55.9]	100.0
S Central/SW/SE (n=22)	57.7	[33.3, 78.8]	42.3	[21.2, 66.7]	100.0
Detroit Metro (n=21)	32.3	[13.3, 59.6]	67.7	[40.4, 86.7]	100.0
Pearson: Uncorrected chi2(3) =	9.9765				
Design-based F(2.57, 195.06) =	2.5356	Pr =	0.067		
Chronic condition (2018 survey or DW)					
Yes (n=88)	51.5	[38.7, 64.2]	48.5	[35.8, 61.3]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=12)	21.3	[6.9, 49.7]	78.7	[50.3, 93.1]	100.0
Mental health condition (n=35)	67.0	[45.8, 83.0]	33.0	[17.0, 54.2]	100.0
Substance use disorder (n=3)	84.7	[32.2, 98.5]	15.3	[1.5, 67.8]	100.0
None (n=38)	48.6	[30.1, 67.5]	51.4	[32.5, 69.9]	100.0
Pearson: Uncorrected chi2(3) =	9.7632				
Design-based F(2.57, 195.25) =	3.2106	Pr =	0.031		
Total (n=88)	51.5	[38.7, 64.2]	48.5	[35.8, 61.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.13 Q: Has a doctor or other health professional ever told you that you had a stroke?

Universe: All respondents (N=2,602)

| | Stroke | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,034)	0.5	[0.2, 1.4]	99.5	[98.6, 99.8]	100.0
36-49 (n=696)	1.7	[0.9, 3.0]	98.3	[97.0, 99.1]	100.0
50-64 (n=868)	6.9	[4.9, 9.6]	93.1	[90.4, 95.1]	100.0
Pearson: Uncorrected chi2(2) =	78.9630				
Design-based F(1.86, 4809.91) =	26.9057	Pr =	0.000		
Gender					
Female (n=1,545)	1.7	[1.1, 2.6]	98.3	[97.4, 98.9]	100.0
Male (n=1,053)	2.8	[1.9, 4.1]	97.2	[95.9, 98.1]	100.0
Pearson: Uncorrected chi2(1) =	3.4198				
Design-based F(1.00, 2586.00) =	2.7241	Pr =	0.099		
Race/ethnicity					
White, non-Hispanic (n=1,694)	1.8	[1.2, 2.8]	98.2	[97.2, 98.8]	100.0
Black, non-Hispanic (n=422)	2.8	[1.5, 5.0]	97.2	[95.0, 98.5]	100.0
Hispanic (n=168)	3.2	[1.1, 8.9]	96.8	[91.1, 98.9]	100.0
Other, non-Hispanic (n=248)	2.9	[1.4, 6.0]	97.1	[94.0, 98.6]	100.0
Pearson: Uncorrected chi2(3) =	3.1570				
Design-based F(2.97, 7485.08) =	0.7109	Pr =	0.544		
FPL category					
0-35% (n=959)	3.0	[2.0, 4.3]	97.0	[95.7, 98.0]	100.0
36-99% (n=944)	1.8	[1.2, 2.8]	98.2	[97.2, 98.8]	100.0
100%+ (n=695)	0.8	[0.4, 1.8]	99.2	[98.2, 99.6]	100.0
Pearson: Uncorrected chi2(2) =	8.3196				
Design-based F(1.93, 4998.02) =	5.2546	Pr =	0.006		
Region					
UP/NW/NE (n=516)	1.5	[0.8, 3.0]	98.5	[97.0, 99.2]	100.0
W/E Central/E (n=770)	2.9	[1.8, 4.6]	97.1	[95.4, 98.2]	100.0
S Central/SW/SE (n=523)	1.7	[0.8, 3.4]	98.3	[96.6, 99.2]	100.0
Detroit Metro (n=789)	2.3	[1.4, 3.7]	97.7	[96.3, 98.6]	100.0
Pearson: Uncorrected chi2(3) =	2.5904				
Design-based F(2.61, 6746.77) =	0.8377	Pr =	0.459		
Chronic condition (2018 survey or DW)					
Yes (n=1,640)	3.8	[2.8, 5.1]	96.2	[94.9, 97.2]	100.0
No (n=958)	0.0		100.0		100.0
Pearson: Uncorrected chi2(1) =	40.4782				
Design-based F(1.00, 2586.00) =	29.7431	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	5.2	[2.8, 9.3]	94.8	[90.7, 97.2]	100.0
Mental health condition (n=942)	2.8	[1.7, 4.4]	97.2	[95.6, 98.3]	100.0
Substance use disorder (n=100)	2.3	[0.7, 7.3]	97.7	[92.7, 99.3]	100.0
None (n=1,256)	1.2	[0.7, 2.0]	98.8	[98.0, 99.3]	100.0
Pearson: Uncorrected chi2(3) =	20.5177				
Design-based F(2.85, 7378.68) =	5.6150	Pr =	0.001		
Total (n=2,598)	2.3	[1.7, 3.0]	97.7	[97.0, 98.3]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.13.1 Q: Did you find out you had a stroke before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had a stroke (N=64)

| | Stroke diagnosis | | | | |
| | **Before HMP** | | **After HMP** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=4)	53.8	[53.8, 53.8]	46.2	[46.2, 46.2]	100.0
36-49 (n=14)	62.5	[62.5, 62.5]	37.5	[37.5, 37.5]	100.0
50-64 (n=46)	59.1	[59.1, 59.1]	40.9	[40.9, 40.9]	100.0
Pearson: Uncorrected chi2(2) =	0.1316				
Design-based F(., .) =	.	Pr =	.		
Gender					
Female (n=27)	73.8	[73.8, 73.8]	26.2	[26.2, 26.2]	100.0
Male (n=37)	50.5	[50.5, 50.5]	49.5	[49.5, 49.5]	100.0
Pearson: Uncorrected chi2(1) =	3.3579				
Design-based F(., .) =	.	Pr =	.		
Race/ethnicity					
White, non-Hispanic (n=33)	66.0	[66.0, 66.0]	34.0	[34.0, 34.0]	100.0
Black, non-Hispanic (n=15)	44.8	[44.8, 44.8]	55.2	[55.2, 55.2]	100.0
Hispanic (n=5)	22.6	[22.6, 22.6]	77.4	[77.4, 77.4]	100.0
Other, non-Hispanic (n=8)	80.4	[80.4, 80.4]	19.6	[19.6, 19.6]	100.0
Pearson: Uncorrected chi2(3) =	7.1321				
Design-based F(., .) =	.	Pr =	.		
FPL category					
0-35% (n=35)	54.6	[54.6, 54.6]	45.4	[45.4, 45.4]	100.0
36-99% (n=22)	74.4	[74.4, 74.4]	25.6	[25.6, 25.6]	100.0
100%+ (n=7)	60.0	[60.0, 60.0]	40.0	[40.0, 40.0]	100.0
Pearson: Uncorrected chi2(2) =	1.7144				
Design-based F(., .) =	.	Pr =	.		
Region					
UP/NW/NE (n=9)	65.7	[65.7, 65.7]	34.3	[34.3, 34.3]	100.0
W/E Central/E (n=23)	52.8	[52.8, 52.8]	47.2	[47.2, 47.2]	100.0
S Central/SW/SE (n=11)	79.9	[79.9, 79.9]	20.1	[20.1, 20.1]	100.0
Detroit Metro (n=21)	56.4	[56.4, 56.4]	43.6	[43.6, 43.6]	100.0
Pearson: Uncorrected chi2(3) =	2.2187				
Design-based F(., .) =	.	Pr =	.		
Chronic condition (2018 survey or DW)					
Yes (n=64)	59.2	[59.2, 59.2]	40.8	[40.8, 40.8]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=17)	39.2	[39.2, 39.2]	60.8	[60.8, 60.8]	100.0
Mental health condition (n=26)	60.6	[60.6, 60.6]	39.4	[39.4, 39.4]	100.0
Substance use disorder (n=3)	64.6	[64.6, 64.6]	35.4	[35.4, 35.4]	100.0
None (n=18)	78.1	[78.1, 78.1]	21.9	[21.9, 21.9]	100.0
Pearson: Uncorrected chi2(3) =	5.6111				
Design-based F(., .) =	.	Pr =	.		
Total (n=64)	59.2	[59.2, 59.2]	40.8	[40.8, 40.8]	100.0

1.12.14 Q: Has a doctor or other health professional ever told you that you had any other ongoing health condition?

Universe: All respondents (N=2,602)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,033)	18.5	[15.9, 21.6]	81.5	[78.4, 84.1]	100.0
36-49 (n=691)	35.6	[31.3, 40.1]	64.4	[59.9, 68.7]	100.0
50-64 (n=869)	38.1	[34.2, 42.1]	61.9	[57.9, 65.8]	100.0
Pearson: Uncorrected chi2(2) =	109.2413				
Design-based F(1.95, 5027.40) =	37.8885	Pr =	0.000		
Gender					
Female (n=1,541)	29.5	[26.8, 32.3]	70.5	[67.7, 73.2]	100.0
Male (n=1,052)	25.5	[22.4, 28.8]	74.5	[71.2, 77.6]	100.0
Pearson: Uncorrected chi2(1) =	5.2371				
Design-based F(1.00, 2581.00) =	3.4193	Pr =	0.065		
Race/ethnicity					
White, non-Hispanic (n=1,691)	29.7	[27.1, 32.5]	70.3	[67.5, 72.9]	100.0
Black, non-Hispanic (n=422)	24.4	[19.8, 29.6]	75.6	[70.4, 80.2]	100.0
Hispanic (n=169)	21.5	[15.1, 29.7]	78.5	[70.3, 84.9]	100.0
Other, non-Hispanic (n=246)	25.7	[19.9, 32.5]	74.3	[67.5, 80.1]	100.0
Pearson: Uncorrected chi2(3) =	10.2964				
Design-based F(2.98, 7502.68) =	2.0838	Pr =	0.100		
FPL category					
0-35% (n=954)	30.5	[27.2, 34.0]	69.5	[66.0, 72.8]	100.0
36-99% (n=944)	23.1	[20.4, 26.1]	76.9	[73.9, 79.6]	100.0
100%+ (n=695)	24.8	[21.3, 28.6]	75.2	[71.4, 78.7]	100.0
Pearson: Uncorrected chi2(2) =	14.9303				
Design-based F(1.91, 4941.31) =	6.7887	Pr =	0.001		
Region					
UP/NW/NE (n=517)	31.1	[26.9, 35.6]	68.9	[64.4, 73.1]	100.0
W/E Central/E (n=767)	30.7	[27.1, 34.6]	69.3	[65.4, 72.9]	100.0
S Central/SW/SE (n=520)	31.0	[26.5, 35.8]	69.0	[64.2, 73.5]	100.0
Detroit Metro (n=789)	23.2	[19.9, 26.8]	76.8	[73.2, 80.1]	100.0
Pearson: Uncorrected chi2(3) =	19.1103				
Design-based F(2.64, 6822.47) =	5.2653	Pr =	0.002		
Chronic condition (2018 survey or DW)					
Yes (n=1,637)	34.6	[31.8, 37.5]	65.4	[62.5, 68.2]	100.0
No (n=956)	16.8	[14.1, 20.0]	83.2	[80.0, 85.9]	100.0
Pearson: Uncorrected chi2(1) =	99.2476				
Design-based F(1.00, 2581.00) =	61.3877	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=298)	36.5	[30.0, 43.5]	63.5	[56.5, 70.0]	100.0
Mental health condition (n=939)	36.1	[32.5, 40.0]	63.9	[60.0, 67.5]	100.0
Substance use disorder (n=100)	30.1	[20.5, 41.7]	69.9	[58.3, 79.5]	100.0
None (n=1,256)	19.3	[16.8, 22.2]	80.7	[77.8, 83.2]	100.0
Pearson: Uncorrected chi2(3) =	89.5386				
Design-based F(2.99, 7710.72) =	19.5714	Pr =	0.000		
Total (n=2,593)	27.5	[25.4, 29.6]	72.5	[70.4, 74.6]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.14.1   Q: What is the condition?

Universe: Respondents who had any other ongoing health condition (N=773)

Other conditions	Weighted Proportion	95% CI
Other (n=578)	77.1	[73.2, 80.6]
Back pain (n=113)	15.5	[12.5, 19.2]
Thyroid/hypo-thyroid (n=73)	6.5	[5.0, 8.5]
Cholesterol (n=60)	6.1	[4.6, 8.2]
Allergies (n=24)	4.6	[2.7, 7.8]

Note: Respondents were able to provide multiple responses.

1.12.14.2   Q: Did you find out you had the condition before or after you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had any other ongoing health condition (N=773)

| | Other chronic condition diagnosis | | | | |
| | Before HMP | | After HMP | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=192)	67.0	[58.9, 74.3]	33.0	[25.7, 41.1]	100.0
36-49 (n=239)	59.9	[52.1, 67.3]	40.1	[32.7, 47.9]	100.0
50-64 (n=322)	66.0	[59.2, 72.2]	34.0	[27.8, 40.8]	100.0
Pearson: Uncorrected chi2(2) =	3.2269				
Design-based F(1.97, 1462.11) =	1.0508	Pr =	0.349		
Gender					
Female (n=473)	66.9	[61.5, 72.0]	33.1	[28.0, 38.5]	100.0
Male (n=280)	61.5	[54.4, 68.1]	38.5	[31.9, 45.6]	100.0
Pearson: Uncorrected chi2(1) =	2.4432				
Design-based F(1.00, 741.00) =	1.5594	Pr =	0.212		
Race/ethnicity					
White, non-Hispanic (n=519)	65.8	[60.6, 70.7]	34.2	[29.3, 39.4]	100.0
Black, non-Hispanic (n=111)	64.8	[53.3, 74.8]	35.2	[25.2, 46.7]	100.0
Hispanic (n=36)	53.5	[34.8, 71.2]	46.5	[28.8, 65.2]	100.0
Other, non-Hispanic (n=65)	56.8	[42.3, 70.3]	43.2	[29.7, 57.7]	100.0
Pearson: Uncorrected chi2(3) =	4.5731				
Design-based F(2.99, 2149.47) =	0.8898	Pr =	0.445		
FPL category					
0-35% (n=329)	67.7	[61.3, 73.5]	32.3	[26.5, 38.7]	100.0
36-99% (n=246)	59.7	[52.6, 66.4]	40.3	[33.6, 47.4]	100.0
100%+ (n=178)	58.5	[49.8, 66.7]	41.5	[33.3, 50.2]	100.0
Pearson: Uncorrected chi2(2) =	5.7673				
Design-based F(1.93, 1430.15) =	2.4833	Pr =	0.086		
Region					
UP/NW/NE (n=169)	70.8	[62.6, 77.8]	29.2	[22.2, 37.4]	100.0
W/E Central/E (n=236)	64.9	[57.5, 71.6]	35.1	[28.4, 42.5]	100.0
S Central/SW/SE (n=155)	61.9	[52.8, 70.3]	38.1	[29.7, 47.2]	100.0
Detroit Metro (n=193)	63.5	[55.1, 71.2]	36.5	[28.8, 44.9]	100.0
Pearson: Uncorrected chi2(3) =	1.9392				
Design-based F(2.64, 1958.95) =	0.5063	Pr =	0.654		
Chronic condition (2018 survey or DW)					
Yes (n=579)	64.0	[59.0, 68.6]	36.0	[31.4, 41.0]	100.0
No (n=174)	65.4	[55.9, 73.7]	34.6	[26.3, 44.1]	100.0
Pearson: Uncorrected chi2(1) =	0.1197				
Design-based F(1.00, 741.00) =	0.0714	Pr =	0.789		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=106)	69.2	[58.0, 78.5]	30.8	[21.5, 42.0]	100.0
Mental health condition (n=354)	61.9	[55.4, 68.1]	38.1	[31.9, 44.6]	100.0
Substance use disorder (n=32)	54.0	[33.1, 73.5]	46.0	[26.5, 66.9]	100.0
None (n=261)	66.3	[59.0, 72.9]	33.7	[27.1, 41.0]	100.0
Pearson: Uncorrected chi2(3) =	4.1343				
Design-based F(3.00, 2220.77) =	0.8861	Pr =	0.447		
Total (n=753)	64.3	[60.0, 68.5]	35.7	[31.5, 40.0]	100.0

Note: Total n is less than universe N due to item non-response.

1.12.15 Chronic condition (2018 survey or DW)

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	**No** Row %	95% CI	**Total** Row %
			Chronic condition (2018 survey or DW)		
Age					
19-35 (n=1,036)	43.4	[39.7, 47.2]	56.6	[52.8, 60.3]	100.0
36-49 (n=696)	68.9	[64.4, 73.1]	31.1	[26.9, 35.6]	100.0
50-64 (n=870)	85.9	[82.9, 88.5]	14.1	[11.5, 17.1]	100.0
Pearson: Uncorrected chi2(2) =	343.6614				
Design-based F(1.92, 4984.46) =	122.1128	Pr =	0.000		
Gender					
Female (n=1,547)	59.3	[56.2, 62.3]	40.7	[37.7, 43.8]	100.0
Male (n=1,055)	60.3	[56.5, 64.0]	39.7	[36.0, 43.5]	100.0
Pearson: Uncorrected chi2(1) =	0.2559				
Design-based F(1.00, 2590.00) =	0.1537	Pr =	0.695		
Race/ethnicity					
White, non-Hispanic (n=1,696)	60.3	[57.2, 63.2]	39.7	[36.8, 42.8]	100.0
Black, non-Hispanic (n=422)	60.3	[54.2, 66.0]	39.7	[34.0, 45.8]	100.0
Hispanic (n=169)	55.9	[46.9, 64.5]	44.1	[35.5, 53.1]	100.0
Other, non-Hispanic (n=248)	58.7	[51.1, 65.9]	41.3	[34.1, 48.9]	100.0
Pearson: Uncorrected chi2(3) =	1.5331				
Design-based F(2.96, 7461.76) =	0.2865	Pr =	0.832		
FPL category					
0-35% (n=960)	65.4	[61.5, 69.1]	34.6	[30.9, 38.5]	100.0
36-99% (n=947)	53.5	[49.9, 57.1]	46.5	[42.9, 50.1]	100.0
100%+ (n=695)	52.5	[48.2, 56.7]	47.5	[43.3, 51.8]	100.0
Pearson: Uncorrected chi2(2) =	41.0812				
Design-based F(1.86, 4826.71) =	16.0109	Pr =	0.000		
Region					
UP/NW/NE (n=518)	61.3	[56.4, 66.0]	38.7	[34.0, 43.6]	100.0
W/E Central/E (n=770)	64.4	[60.4, 68.2]	35.6	[31.8, 39.6]	100.0
S Central/SW/SE (n=523)	60.0	[55.0, 64.9]	40.0	[35.1, 45.0]	100.0
Detroit Metro (n=791)	56.6	[52.3, 60.8]	43.4	[39.2, 47.7]	100.0
Pearson: Uncorrected chi2(3) =	11.3058				
Design-based F(2.66, 6883.68) =	3.0000	Pr =	0.035		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	79.7	[73.1, 85.0]	20.3	[15.0, 26.9]	100.0
Mental health condition (n=944)	69.3	[65.5, 72.9]	30.7	[27.1, 34.5]	100.0
Substance use disorder (n=100)	60.3	[48.0, 71.4]	39.7	[28.6, 52.0]	100.0
None (n=1,257)	48.5	[45.0, 52.1]	51.5	[47.9, 55.0]	100.0
Pearson: Uncorrected chi2(3) =	155.6966				
Design-based F(2.98, 7718.42) =	31.2252	Pr =	0.000		
Total (n=2,602)	59.8	[57.4, 62.2]	40.2	[37.8, 42.6]	100.0

Note: Chronic condition was defined as either survey report or claims evidence of having asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke, as defined in Appendix C.

1.12.16 Count of chronic conditions (2018 survey or DW)

Universe: All respondents (N=2,602)

| | Count of chronic conditions (2018 survey or DW) | | | | | | Total |
| | None | | One | | Two or more | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	56.6	[52.8, 60.3]	25.5	[22.3, 28.9]	17.9	[15.1, 21.1]	100.0
36-49 (n=696)	31.1	[26.9, 35.6]	25.1	[21.3, 29.3]	43.8	[39.3, 48.5]	100.0
50-64 (n=870)	14.1	[11.5, 17.1]	20.0	[17.0, 23.3]	66.0	[62.1, 69.7]	100.0
Pearson: Uncorrected chi2(4) =	496.4895						
Design-based F(3.83, 9924.58) =	85.7587	Pr =	0.000				
Gender							
Female (n=1,547)	40.7	[37.7, 43.8]	23.1	[20.7, 25.7]	36.2	[33.3, 39.2]	100.0
Male (n=1,055)	39.7	[36.0, 43.5]	25.0	[21.8, 28.6]	35.3	[31.8, 38.8]	100.0
Pearson: Uncorrected chi2(2) =	1.2893						
Design-based F(2.00, 5169.84) =	0.4025	Pr =	0.668				
Race/ethnicity							
White, non-Hispanic (n=1,696)	39.7	[36.8, 42.8]	25.2	[22.7, 27.9]	35.1	[32.3, 37.9]	100.0
Black, non-Hispanic (n=422)	39.7	[34.0, 45.8]	20.6	[16.4, 25.6]	39.7	[34.1, 45.5]	100.0
Hispanic (n=169)	44.1	[35.5, 53.1]	26.1	[18.2, 36.0]	29.8	[22.3, 38.5]	100.0
Other, non-Hispanic (n=248)	41.3	[34.1, 48.9]	23.2	[17.5, 30.1]	35.4	[28.7, 42.8]	100.0
Pearson: Uncorrected chi2(6) =	9.4116						
Design-based F(5.92, 14933.43) =	0.8847	Pr =	0.504				
FPL category							
0-35% (n=960)	34.6	[30.9, 38.5]	22.8	[19.7, 26.3]	42.6	[38.9, 46.4]	100.0
36-99% (n=947)	46.5	[42.9, 50.1]	27.5	[24.4, 30.9]	26.0	[23.1, 29.0]	100.0
100%+ (n=695)	47.5	[43.3, 51.8]	22.8	[19.5, 26.6]	29.6	[26.0, 33.5]	100.0
Pearson: Uncorrected chi2(4) =	71.4760						
Design-based F(3.70, 9583.69) =	14.7516	Pr =	0.000				
Region							
UP/NW/NE (n=518)	38.7	[34.0, 43.6]	24.4	[20.5, 28.7]	36.9	[32.6, 41.5]	100.0
W/E Central/E (n=770)	35.6	[31.8, 39.6]	25.8	[22.3, 29.6]	38.6	[34.8, 42.6]	100.0
S Central/SW/SE (n=523)	40.0	[35.1, 45.0]	25.6	[21.5, 30.3]	34.4	[29.9, 39.2]	100.0
Detroit Metro (n=791)	43.4	[39.2, 47.7]	22.3	[18.9, 26.2]	34.3	[30.4, 38.4]	100.0
Pearson: Uncorrected chi2(6) =	12.2875						
Design-based F(5.24, 13563.77) =	1.6552	Pr =	0.138				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	0.0		40.3	[37.3, 43.4]	59.7	[56.6, 62.7]	100.0
No (n=958)	100.0		0.0		0.0		100.0
Pearson: Uncorrected chi2(2) =	2602.0000						
Design-based F(1.08, 2798.69) =	1588.8395	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	20.3	[15.0, 26.9]	23.3	[17.8, 30.0]	56.3	[49.2, 63.3]	100.0
Mental health condition (n=944)	30.7	[27.1, 34.5]	24.3	[21.0, 28.0]	45.0	[41.1, 49.0]	100.0
Substance use disorder (n=100)	39.7	[28.6, 52.0]	23.8	[15.4, 34.8]	36.5	[26.5, 47.9]	100.0
None (n=1,257)	51.5	[47.9, 55.0]	24.2	[21.2, 27.3]	24.4	[21.5, 27.5]	100.0
Pearson: Uncorrected chi2(6) =	200.1951						
Design-based F(5.92, 15331.41) =	20.9557	Pr =	0.000				
Total (n=2,602)	40.2	[37.8, 42.6]	24.1	[22.0, 26.3]	35.7	[33.5, 38.0]	100.0

Note: Count of chronic conditions was defined as having none, one, or two or more chronic conditions (including asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke) identified by either survey report or claims evidence.

1.12.17 Mental health condition and/or substance use disorder (2018 survey or DW)

Universe: All respondents (N=2,602)

	Mental health condition and/or substance use disorder (2018 survey or DW)								Total
	Mental health condition and substance use disorder		Mental health condition		Substance use disorder		None		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=1,036)	9.8	[7.8, 12.3]	32.7	[29.4, 36.2]	2.1	[1.3, 3.4]	55.4	[51.7, 59.0]	100.0
36-49 (n=696)	17.1	[13.7, 21.0]	32.5	[28.4, 36.8]	6.2	[4.3, 8.9]	44.3	[39.7, 48.9]	100.0
50-64 (n=870)	13.5	[10.9, 16.7]	35.3	[31.5, 39.3]	5.3	[3.7, 7.4]	46.0	[42.0, 50.0]	100.0
Pearson: Uncorrected chi2(6) =	57.7017								
Design-based F(5.81, 15047.97) =	6.5795	Pr =	0.000						
Gender									
Female (n=1,547)	8.0	[6.6, 9.7]	42.2	[39.3, 45.3]	1.9	[1.3, 2.8]	47.8	[44.8, 50.9]	100.0
Male (n=1,055)	16.9	[14.2, 19.9]	24.5	[21.5, 27.8]	5.8	[4.4, 7.6]	52.8	[49.0, 56.5]	100.0
Pearson: Uncorrected chi2(3) =	130.5028								
Design-based F(2.96, 7653.50) =	30.8465	Pr =	0.000						
Race/ethnicity									
White, non-Hispanic (n=1,696)	14.6	[12.5, 16.9]	37.5	[34.7, 40.4]	3.1	[2.3, 4.2]	44.9	[41.9, 47.9]	100.0
Black, non-Hispanic (n=422)	8.9	[6.2, 12.7]	23.8	[19.3, 29.0]	7.3	[4.9, 10.8]	60.0	[54.1, 65.5]	100.0
Hispanic (n=169)	12.3	[7.4, 19.8]	40.5	[31.8, 49.8]	2.4	[0.8, 7.4]	44.8	[36.0, 53.8]	100.0
Other, non-Hispanic (n=248)	9.6	[6.1, 14.6]	25.8	[19.9, 32.8]	1.8	[0.5, 6.2]	62.8	[55.5, 69.7]	100.0
Pearson: Uncorrected chi2(9) =	98.1844								
Design-based F(8.80, 22200.63) =	6.3013	Pr =	0.000						
FPL category									
0-35% (n=960)	16.8	[14.2, 19.8]	32.2	[28.8, 35.8]	4.7	[3.4, 6.4]	46.2	[42.4, 50.1]	100.0
36-99% (n=947)	8.2	[6.5, 10.2]	33.7	[30.4, 37.0]	2.9	[1.9, 4.4]	55.2	[51.7, 58.7]	100.0
100%+ (n=695)	6.2	[4.6, 8.3]	35.7	[31.8, 39.8]	2.8	[1.8, 4.4]	55.3	[51.1, 59.4]	100.0
Pearson: Uncorrected chi2(6) =	64.5626								
Design-based F(5.66, 14667.81) =	10.2502	Pr =	0.000						
Region									
UP/NW/NE (n=518)	15.3	[11.9, 19.4]	37.9	[33.4, 42.6]	5.7	[3.7, 8.7]	41.1	[36.5, 45.8]	100.0
W/E Central/E (n=770)	13.9	[11.3, 17.0]	40.8	[36.9, 44.9]	3.1	[2.1, 4.8]	42.2	[38.2, 46.2]	100.0
S Central/SW/SE (n=523)	17.6	[13.7, 22.3]	36.4	[31.8, 41.3]	3.6	[2.2, 5.8]	42.4	[37.6, 47.4]	100.0
Detroit Metro (n=791)	8.8	[6.7, 11.7]	26.3	[22.7, 30.2]	4.1	[2.7, 6.0]	60.8	[56.6, 64.9]	100.0
Pearson: Uncorrected chi2(9) =	105.4657								
Design-based F(7.94, 20573.56) =	9.3576	Pr =	0.000						
Chronic condition (2018 survey or DW)									
Yes (n=1,644)	16.7	[14.5, 19.2]	38.6	[35.6, 41.6]	3.9	[3.0, 5.1]	40.8	[37.8, 43.9]	100.0
No (n=958)	6.3	[4.6, 8.7]	25.4	[22.2, 28.8]	3.8	[2.5, 5.7]	64.5	[60.6, 68.1]	100.0
Pearson: Uncorrected chi2(3) =	155.6966								
Design-based F(2.98, 7718.42) =	31.2252	Pr =	0.000						
Total (n=2,602)	12.5	[11.0, 14.2]	33.3	[31.1, 35.5]	3.9	[3.1, 4.9]	50.3	[47.9, 52.8]	100.0

Note: Mental health condition and/or substance use disorder was defined as either survey report or claims evidence of having at least one mental health condition OR substance use disorder, as defined in Appendix C.

2 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

2.1 Q: Do you think eyeglasses are covered, not covered, or don't know?

Universe: All respondents (N=2,602)

| | Knowledge that eyeglasses are covered | | | | | | Total |
| | Yes | | No | | Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	54.0	[50.2, 57.7]	9.0	[7.1, 11.3]	37.0	[33.4, 40.7]	100.0
36-49 (n=696)	57.4	[52.7, 62.0]	9.3	[7.0, 12.3]	33.3	[28.9, 38.0]	100.0
50-64 (n=870)	60.7	[56.6, 64.6]	7.4	[5.7, 9.7]	31.9	[28.2, 35.9]	100.0
Pearson: Uncorrected chi2(4) =	8.6322						
Design-based F(3.85, 9980.23) =	1.5324	Pr =	0.192				
Gender							
Female (n=1,547)	61.6	[58.5, 64.5]	8.7	[7.2, 10.5]	29.8	[27.0, 32.7]	100.0
Male (n=1,055)	51.4	[47.6, 55.2]	8.7	[6.8, 11.1]	39.9	[36.2, 43.6]	100.0
Pearson: Uncorrected chi2(2) =	30.8088						
Design-based F(2.00, 5175.04) =	9.7202	Pr =	0.000				
Race/ethnicity							
White, non-Hispanic (n=1,696)	56.6	[53.5, 59.6]	9.2	[7.6, 11.0]	34.3	[31.4, 37.3]	100.0
Black, non-Hispanic (n=422)	56.9	[51.0, 62.7]	8.5	[5.7, 12.4]	34.6	[29.2, 40.4]	100.0
Hispanic (n=169)	60.4	[51.2, 68.9]	7.0	[3.7, 12.8]	32.7	[24.7, 41.8]	100.0
Other, non-Hispanic (n=248)	54.1	[46.5, 61.5]	6.9	[4.2, 11.0]	39.1	[31.9, 46.7]	100.0
Pearson: Uncorrected chi2(6) =	5.0608						
Design-based F(5.89, 14857.82) =	0.5021	Pr =	0.804				
FPL category							
0-35% (n=960)	57.4	[53.5, 61.2]	7.7	[5.9, 10.0]	34.9	[31.2, 38.7]	100.0
36-99% (n=947)	53.6	[50.0, 57.1]	9.6	[7.7, 12.0]	36.8	[33.3, 40.4]	100.0
100%+ (n=695)	57.5	[53.2, 61.7]	10.2	[7.9, 12.9]	32.3	[28.4, 36.5]	100.0
Pearson: Uncorrected chi2(4) =	6.4603						
Design-based F(3.75, 9721.51) =	1.2963	Pr =	0.270				
Region							
UP/NW/NE (n=518)	62.4	[57.5, 67.0]	8.2	[6.0, 11.2]	29.4	[25.1, 34.1]	100.0
W/E Central/E (n=770)	60.6	[56.5, 64.5]	8.8	[6.8, 11.5]	30.6	[26.9, 34.5]	100.0
S Central/SW/SE (n=523)	56.3	[51.2, 61.3]	8.2	[5.9, 11.3]	35.5	[30.7, 40.5]	100.0
Detroit Metro (n=791)	52.7	[48.4, 57.0]	8.9	[6.8, 11.6]	38.4	[34.3, 42.7]	100.0
Pearson: Uncorrected chi2(6) =	16.4629						
Design-based F(5.28, 13668.19) =	2.2398	Pr =	0.044				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	59.9	[56.8, 62.9]	7.9	[6.5, 9.7]	32.2	[29.3, 35.2]	100.0
No (n=958)	51.3	[47.2, 55.3]	9.8	[7.7, 12.3]	38.9	[35.1, 42.9]	100.0
Pearson: Uncorrected chi2(2) =	19.0146						
Design-based F(2.00, 5168.74) =	5.7947	Pr =	0.003				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	59.2	[52.1, 65.9]	9.5	[6.1, 14.6]	31.3	[25.2, 38.1]	100.0
Mental health condition (n=944)	61.3	[57.3, 65.1]	7.0	[5.3, 9.2]	31.7	[28.0, 35.6]	100.0
Substance use disorder (n=100)	57.9	[46.1, 68.9]	10.8	[5.6, 19.9]	31.3	[21.4, 43.1]	100.0
None (n=1,257)	52.4	[48.8, 56.0]	9.4	[7.6, 11.7]	38.2	[34.7, 41.8]	100.0
Pearson: Uncorrected chi2(6) =	20.2422						
Design-based F(5.95, 15398.36) =	2.2072	Pr =	0.040				
Total (n=2,602)	56.4	[54.0, 58.9]	8.7	[7.4, 10.1]	34.9	[32.5, 37.3]	100.0

2.2   Q: Do you think prescription medications are covered, not covered, or don't know?

Universe: All respondents (N=2,602)

	Knowledge that prescription medications are covered						Total
	Yes		**No**		**Don't know**		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	91.2	[88.6, 93.3]	2.2	[1.1, 4.2]	6.6	[5.0, 8.8]	100.0
36-49 (n=696)	93.4	[90.9, 95.3]	1.8	[0.9, 3.5]	4.8	[3.3, 7.0]	100.0
50-64 (n=870)	94.7	[92.6, 96.3]	0.6	[0.2, 1.4]	4.7	[3.2, 6.8]	100.0
Pearson: Uncorrected chi2(4) =	10.7687						
Design-based F(3.63, 9407.54) =	1.9094	Pr =	0.113				
Gender							
Female (n=1,547)	94.7	[93.1, 96.0]	1.4	[0.9, 2.3]	3.8	[2.8, 5.3]	100.0
Male (n=1,055)	90.5	[87.9, 92.6]	2.0	[1.0, 4.1]	7.5	[5.8, 9.6]	100.0
Pearson: Uncorrected chi2(2) =	17.9422						
Design-based F(1.95, 5046.85) =	4.7626	Pr =	0.009				
Race/ethnicity							
White, non-Hispanic (n=1,696)	93.5	[91.6, 95.0]	1.4	[0.6, 2.9]	5.1	[3.9, 6.7]	100.0
Black, non-Hispanic (n=422)	91.9	[87.7, 94.8]	2.8	[1.2, 6.3]	5.3	[3.2, 8.7]	100.0
Hispanic (n=169)	90.3	[84.0, 94.3]	0.8	[0.2, 3.3]	8.8	[5.0, 15.2]	100.0
Other, non-Hispanic (n=248)	93.1	[89.1, 95.7]	0.9	[0.3, 2.7]	6.0	[3.5, 9.9]	100.0
Pearson: Uncorrected chi2(6) =	11.3186						
Design-based F(5.06, 12771.55) =	1.1757	Pr =	0.318				
FPL category							
0-35% (n=960)	92.7	[90.2, 94.6]	1.9	[0.9, 3.9]	5.4	[3.9, 7.4]	100.0
36-99% (n=947)	92.6	[90.2, 94.4]	1.5	[0.8, 2.7]	5.9	[4.3, 8.1]	100.0
100%+ (n=695)	92.2	[89.4, 94.4]	1.5	[0.8, 3.1]	6.3	[4.3, 8.9]	100.0
Pearson: Uncorrected chi2(4) =	0.9507						
Design-based F(3.65, 9460.69) =	0.1636	Pr =	0.947				
Region							
UP/NW/NE (n=518)	95.1	[92.3, 96.9]	0.7	[0.2, 2.1]	4.2	[2.6, 7.0]	100.0
W/E Central/E (n=770)	94.6	[92.3, 96.2]	1.3	[0.5, 2.9]	4.2	[2.8, 6.2]	100.0
S Central/SW/SE (n=523)	91.5	[88.0, 94.0]	1.8	[0.8, 4.3]	6.7	[4.5, 9.8]	100.0
Detroit Metro (n=791)	91.4	[88.5, 93.6]	2.1	[1.0, 4.4]	6.5	[4.7, 8.9]	100.0
Pearson: Uncorrected chi2(6) =	10.0718						
Design-based F(4.98, 12908.28) =	1.1676	Pr =	0.322				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	94.1	[92.3, 95.4]	1.4	[0.8, 2.4]	4.5	[3.4, 6.1]	100.0
No (n=958)	90.4	[87.5, 92.6]	2.2	[1.0, 4.6]	7.4	[5.7, 9.7]	100.0
Pearson: Uncorrected chi2(2) =	12.4558						
Design-based F(1.91, 4946.06) =	2.9190	Pr =	0.057				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	93.6	[89.2, 96.3]	1.8	[0.6, 5.5]	4.6	[2.4, 8.4]	100.0
Mental health condition (n=944)	95.7	[93.9, 97.0]	1.4	[0.7, 2.9]	2.9	[1.9, 4.4]	100.0
Substance use disorder (n=100)	88.9	[80.4, 94.0]	1.4	[0.4, 5.6]	9.7	[5.0, 18.1]	100.0
None (n=1,257)	90.5	[88.0, 92.6]	1.9	[0.9, 3.9]	7.6	[5.8, 9.8]	100.0
Pearson: Uncorrected chi2(6) =	26.1722						
Design-based F(5.34, 13836.41) =	2.8294	Pr =	0.013				
Total (n=2,602)	92.6	[91.1, 93.9]	1.7	[1.1, 2.7]	5.7	[4.7, 7.0]	100.0

2.3 Q: Do you think routine dental care is covered, not covered, or don't know?

Universe: All respondents (N=2,602)

	Knowledge that routine dental care is covered						
	Yes		**No**		**Don't know**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	78.8	[75.5, 81.8]	6.9	[5.1, 9.1]	14.3	[11.9, 17.2]	100.0
36-49 (n=696)	78.0	[74.0, 81.5]	4.9	[3.4, 6.9]	17.2	[13.9, 21.0]	100.0
50-64 (n=869)	75.3	[71.7, 78.7]	5.5	[3.9, 7.6]	19.2	[16.2, 22.6]	100.0
Pearson: Uncorrected chi2(4) =	10.6650						
Design-based F(3.86, 9993.64) =	1.9310	Pr =	0.105				
Gender							
Female (n=1,546)	79.8	[77.3, 82.1]	6.2	[5.0, 7.7]	14.0	[12.0, 16.2]	100.0
Male (n=1,055)	75.8	[72.4, 78.9]	5.8	[4.2, 8.1]	18.3	[15.6, 21.4]	100.0
Pearson: Uncorrected chi2(2) =	9.0142						
Design-based F(1.99, 5164.99) =	2.7991	Pr =	0.061				
Race/ethnicity							
White, non-Hispanic (n=1,696)	76.7	[74.0, 79.2]	6.2	[4.8, 8.0]	17.0	[14.9, 19.4]	100.0
Black, non-Hispanic (n=421)	81.5	[76.6, 85.5]	5.5	[3.3, 9.0]	13.1	[9.7, 17.3]	100.0
Hispanic (n=169)	81.2	[74.0, 86.8]	5.5	[2.8, 10.6]	13.3	[8.7, 19.7]	100.0
Other, non-Hispanic (n=248)	74.8	[67.6, 80.8]	6.9	[4.2, 10.9]	18.3	[12.9, 25.4]	100.0
Pearson: Uncorrected chi2(6) =	8.5629						
Design-based F(5.76, 14518.97) =	0.8820	Pr =	0.504				
FPL category							
0-35% (n=959)	79.0	[75.7, 82.0]	4.9	[3.4, 7.0]	16.1	[13.5, 19.1]	100.0
36-99% (n=947)	76.5	[73.2, 79.4]	8.0	[6.2, 10.2]	15.6	[13.1, 18.4]	100.0
100%+ (n=695)	76.0	[72.0, 79.6]	6.7	[4.9, 9.0]	17.4	[14.2, 21.1]	100.0
Pearson: Uncorrected chi2(4) =	8.9577						
Design-based F(3.69, 9551.96) =	1.6909	Pr =	0.154				
Region							
UP/NW/NE (n=518)	80.5	[76.4, 84.1]	4.4	[2.9, 6.7]	15.1	[11.9, 18.9]	100.0
W/E Central/E (n=770)	80.1	[76.7, 83.1]	5.5	[4.0, 7.5]	14.4	[11.8, 17.5]	100.0
S Central/SW/SE (n=523)	75.7	[71.1, 79.8]	5.9	[4.2, 8.4]	18.3	[14.6, 22.7]	100.0
Detroit Metro (n=790)	76.7	[72.9, 80.1]	6.7	[4.8, 9.4]	16.6	[13.7, 20.0]	100.0
Pearson: Uncorrected chi2(6) =	6.5204						
Design-based F(5.19, 13433.01) =	0.9213	Pr =	0.468				
Chronic condition (2018 survey or DW)							
Yes (n=1,643)	78.7	[76.2, 81.1]	5.6	[4.5, 7.1]	15.6	[13.5, 18.0]	100.0
No (n=958)	76.3	[72.7, 79.6]	6.6	[4.7, 9.2]	17.1	[14.3, 20.3]	100.0
Pearson: Uncorrected chi2(2) =	2.2453						
Design-based F(2.00, 5169.38) =	0.6529	Pr =	0.520				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	78.4	[71.8, 83.7]	7.1	[4.6, 10.6]	14.6	[9.9, 21.0]	100.0
Mental health condition (n=944)	80.9	[77.6, 83.7]	5.9	[4.3, 8.0]	13.2	[10.8, 16.1]	100.0
Substance use disorder (n=99)	75.7	[65.6, 83.6]	4.6	[1.9, 11.0]	19.7	[12.7, 29.3]	100.0
None (n=1,257)	75.7	[72.5, 78.7]	5.9	[4.3, 8.1]	18.3	[15.7, 21.2]	100.0
Pearson: Uncorrected chi2(6) =	12.4037						
Design-based F(5.65, 14631.82) =	1.4539	Pr =	0.194				
Total (n=2,601)	77.8	[75.7, 79.7]	6.0	[4.9, 7.3]	16.2	[14.5, 18.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.4 Q: Do you think treatment to stop smoking is covered, not covered, or don't know?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Don't know Row %	95% CI	Total Row %
Knowledge that treatment to stop smoking is covered							
Age							
19-35 (n=1,036)	31.4	[28.0, 35.0]	8.5	[6.6, 11.0]	60.1	[56.3, 63.7]	100.0
36-49 (n=696)	41.7	[37.2, 46.3]	7.2	[4.6, 11.0]	51.2	[46.5, 55.8]	100.0
50-64 (n=870)	36.8	[33.0, 40.7]	5.4	[3.7, 7.8]	57.8	[53.8, 61.8]	100.0
Pearson: Uncorrected chi2(4) =	25.4903						
Design-based F(3.71, 9616.24) =	3.8421	Pr =	0.005				
Gender							
Female (n=1,547)	34.9	[32.1, 37.9]	5.5	[4.1, 7.2]	59.6	[56.6, 62.6]	100.0
Male (n=1,055)	35.6	[32.1, 39.3]	9.4	[7.2, 12.1]	55.0	[51.2, 58.8]	100.0
Pearson: Uncorrected chi2(2) =	15.8505						
Design-based F(1.99, 5158.53) =	4.6824	Pr =	0.009				
Race/ethnicity							
White, non-Hispanic (n=1,696)	39.3	[36.3, 42.3]	5.4	[4.0, 7.2]	55.4	[52.3, 58.4]	100.0
Black, non-Hispanic (n=422)	33.6	[28.3, 39.4]	12.5	[8.8, 17.5]	53.9	[47.9, 59.8]	100.0
Hispanic (n=169)	26.0	[19.2, 34.2]	9.0	[4.6, 16.9]	65.0	[56.0, 73.1]	100.0
Other, non-Hispanic (n=248)	27.1	[21.0, 34.2]	7.8	[4.9, 12.3]	65.0	[57.7, 71.7]	100.0
Pearson: Uncorrected chi2(6) =	53.0360						
Design-based F(5.85, 14764.08) =	4.8460	Pr =	0.000				
FPL category							
0-35% (n=960)	36.7	[33.0, 40.4]	8.5	[6.4, 11.3]	54.8	[50.9, 58.6]	100.0
36-99% (n=947)	31.3	[28.2, 34.6]	5.7	[4.2, 7.7]	63.0	[59.6, 66.3]	100.0
100%+ (n=695)	37.0	[33.0, 41.2]	6.7	[4.8, 9.4]	56.3	[52.0, 60.5]	100.0
Pearson: Uncorrected chi2(4) =	15.3505						
Design-based F(3.77, 9757.23) =	3.0556	Pr =	0.018				
Region							
UP/NW/NE (n=518)	42.7	[38.0, 47.6]	4.9	[3.1, 7.7]	52.3	[47.5, 57.1]	100.0
W/E Central/E (n=770)	37.7	[33.8, 41.7]	6.0	[4.2, 8.4]	56.4	[52.3, 60.3]	100.0
S Central/SW/SE (n=523)	35.3	[30.7, 40.3]	5.9	[3.8, 9.1]	58.8	[53.7, 63.6]	100.0
Detroit Metro (n=791)	32.3	[28.4, 36.5]	9.5	[7.1, 12.7]	58.2	[53.8, 62.4]	100.0
Pearson: Uncorrected chi2(6) =	21.4997						
Design-based F(5.26, 13631.74) =	2.7219	Pr =	0.016				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	37.8	[34.9, 40.8]	6.1	[4.6, 8.1]	56.0	[52.9, 59.1]	100.0
No (n=958)	31.5	[27.9, 35.4]	9.4	[7.1, 12.2]	59.1	[55.1, 63.0]	100.0
Pearson: Uncorrected chi2(2) =	16.8632						
Design-based F(1.98, 5119.90) =	4.5238	Pr =	0.011				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	50.9	[43.8, 57.9]	7.7	[4.6, 12.6]	41.4	[34.6, 48.6]	100.0
Mental health condition (n=944)	35.7	[32.0, 39.6]	5.3	[3.8, 7.4]	59.0	[55.0, 62.8]	100.0
Substance use disorder (n=100)	39.6	[28.9, 51.4]	10.9	[4.8, 22.8]	49.5	[37.9, 61.0]	100.0
None (n=1,257)	30.8	[27.6, 34.2]	8.5	[6.4, 11.1]	60.7	[57.1, 64.2]	100.0
Pearson: Uncorrected chi2(6) =	57.8601						
Design-based F(5.90, 15271.21) =	5.6879	Pr =	0.000				
Total (n=2,602)	35.3	[33.0, 37.6]	7.4	[6.1, 9.0]	57.3	[54.8, 59.7]	100.0

2.5 Q: Do you think birth control or family planning is covered, not covered, or don't know?

Universe: All respondents (N=2,602)

	Knowledge that birth control/family planning is covered						Total
	Yes		**No**		**Don't know**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	62.9	[59.1, 66.5]	3.8	[2.5, 5.8]	33.3	[29.8, 37.0]	100.0
36-49 (n=696)	57.1	[52.5, 61.7]	2.7	[1.3, 5.5]	40.2	[35.7, 44.8]	100.0
50-64 (n=867)	41.2	[37.3, 45.3]	2.3	[1.3, 4.2]	56.5	[52.4, 60.5]	100.0
Pearson: Uncorrected chi2(4) =	93.0930						
Design-based F(3.72, 9636.34) =	13.4440	Pr =	0.000				
Gender							
Female (n=1,545)	68.9	[66.1, 71.6]	1.9	[1.2, 3.0]	29.2	[26.5, 32.0]	100.0
Male (n=1,054)	44.2	[40.5, 48.1]	4.4	[2.9, 6.6]	51.4	[47.6, 55.2]	100.0
Pearson: Uncorrected chi2(2) =	162.1845						
Design-based F(1.99, 5160.46) =	49.6703	Pr =	0.000				
Race/ethnicity							
White, non-Hispanic (n=1,694)	56.4	[53.4, 59.4]	3.2	[2.0, 4.9]	40.4	[37.6, 43.4]	100.0
Black, non-Hispanic (n=422)	61.4	[55.5, 67.0]	3.5	[1.7, 7.1]	35.0	[29.6, 40.9]	100.0
Hispanic (n=169)	57.4	[48.4, 66.0]	6.4	[3.3, 12.2]	36.1	[28.1, 45.1]	100.0
Other, non-Hispanic (n=248)	50.4	[42.9, 57.9]	1.4	[0.4, 4.3]	48.2	[40.8, 55.7]	100.0
Pearson: Uncorrected chi2(6) =	23.1426						
Design-based F(5.74, 14478.75) =	2.1184	Pr =	0.051				
FPL category							
0-35% (n=957)	52.5	[48.6, 56.3]	3.8	[2.4, 5.9]	43.7	[40.0, 47.6]	100.0
36-99% (n=947)	60.2	[56.6, 63.7]	2.5	[1.5, 4.1]	37.3	[33.9, 40.8]	100.0
100%+ (n=695)	62.2	[58.0, 66.3]	2.4	[1.3, 4.3]	35.4	[31.3, 39.6]	100.0
Pearson: Uncorrected chi2(4) =	20.4574						
Design-based F(3.78, 9774.61) =	3.8541	Pr =	0.005				
Region							
UP/NW/NE (n=518)	52.2	[47.5, 56.9]	2.2	[1.1, 4.2]	45.6	[40.9, 50.4]	100.0
W/E Central/E (n=767)	57.0	[52.9, 60.9]	2.1	[1.1, 3.9]	41.0	[37.0, 45.0]	100.0
S Central/SW/SE (n=523)	58.7	[53.6, 63.5]	2.7	[1.4, 5.1]	38.7	[33.9, 43.6]	100.0
Detroit Metro (n=791)	55.9	[51.5, 60.1]	4.3	[2.7, 6.8]	39.9	[35.8, 44.1]	100.0
Pearson: Uncorrected chi2(6) =	11.4117						
Design-based F(5.20, 13443.54) =	1.4230	Pr =	0.210				
Chronic condition (2018 survey or DW)							
Yes (n=1,641)	51.8	[48.7, 54.9]	2.8	[1.8, 4.4]	45.4	[42.4, 48.5]	100.0
No (n=958)	63.2	[59.2, 67.0]	3.7	[2.3, 5.9]	33.1	[29.4, 37.0]	100.0
Pearson: Uncorrected chi2(2) =	39.5081						
Design-based F(1.95, 5044.01) =	10.0047	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	55.2	[48.0, 62.1]	2.1	[0.8, 5.3]	42.7	[35.9, 49.9]	100.0
Mental health condition (n=943)	61.9	[58.0, 65.7]	3.8	[2.5, 5.8]	34.3	[30.6, 38.1]	100.0
Substance use disorder (n=99)	37.7	[27.1, 49.6]	7.0	[2.8, 16.5]	55.2	[43.4, 66.5]	100.0
None (n=1,256)	54.5	[50.9, 58.0]	2.7	[1.5, 4.8]	42.8	[39.4, 46.4]	100.0
Pearson: Uncorrected chi2(6) =	35.6625						
Design-based F(5.74, 14840.21) =	3.4476	Pr =	0.002				
Total (n=2,599)	56.4	[53.9, 58.8]	3.2	[2.3, 4.4]	40.4	[38.1, 42.9]	100.0

Note: Total n is less than universe N due to item non-response.

2.6 Q: Do you think counseling for mental or emotional problems is covered, not covered, or don't know?

Universe: All respondents (N=2,602)

	Yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	55.8	[52.0, 59.5]	4.5	[3.2, 6.5]	39.7	[36.1, 43.4]	100.0
36-49 (n=696)	63.0	[58.5, 67.3]	1.7	[0.9, 3.3]	35.3	[31.1, 39.8]	100.0
50-64 (n=870)	57.6	[53.5, 61.5]	2.7	[1.7, 4.2]	39.7	[35.9, 43.7]	100.0
Pearson: Uncorrected chi2(4) =	18.2891						
Design-based F(3.86, 10009.57) =	3.4162	Pr =	0.009				
Gender							
Female (n=1,547)	59.5	[56.4, 62.5]	3.2	[2.3, 4.5]	37.3	[34.4, 40.4]	100.0
Male (n=1,055)	56.6	[52.9, 60.3]	3.6	[2.3, 5.4]	39.8	[36.2, 43.5]	100.0
Pearson: Uncorrected chi2(2) =	2.2331						
Design-based F(2.00, 5171.59) =	0.6710	Pr =	0.511				
Race/ethnicity							
White, non-Hispanic (n=1,696)	61.8	[58.8, 64.7]	3.1	[2.1, 4.5]	35.1	[32.3, 38.0]	100.0
Black, non-Hispanic (n=422)	56.1	[50.1, 61.8]	4.4	[2.5, 7.5]	39.5	[34.0, 45.4]	100.0
Hispanic (n=169)	63.2	[54.5, 71.2]	2.1	[0.6, 6.9]	34.7	[26.9, 43.3]	100.0
Other, non-Hispanic (n=248)	42.5	[35.3, 50.0]	4.6	[2.4, 8.9]	52.9	[45.4, 60.2]	100.0
Pearson: Uncorrected chi2(6) =	44.1514						
Design-based F(5.93, 14951.89) =	4.2961	Pr =	0.000				
FPL category							
0-35% (n=960)	60.1	[56.2, 63.8]	3.6	[2.3, 5.4]	36.4	[32.7, 40.1]	100.0
36-99% (n=947)	54.4	[50.9, 58.0]	3.4	[2.3, 5.2]	42.1	[38.6, 45.7]	100.0
100%+ (n=695)	57.2	[52.9, 61.4]	2.7	[1.7, 4.4]	40.1	[35.9, 44.4]	100.0
Pearson: Uncorrected chi2(4) =	7.7314						
Design-based F(3.76, 9736.92) =	1.5508	Pr =	0.188				
Region							
UP/NW/NE (n=518)	61.8	[57.0, 66.4]	2.2	[1.2, 4.0]	36.0	[31.4, 40.7]	100.0
W/E Central/E (n=770)	60.8	[56.7, 64.7]	3.1	[1.9, 5.1]	36.1	[32.3, 40.1]	100.0
S Central/SW/SE (n=523)	60.1	[55.1, 64.9]	2.7	[1.5, 4.9]	37.2	[32.5, 42.2]	100.0
Detroit Metro (n=791)	54.7	[50.4, 58.9]	4.1	[2.7, 6.2]	41.3	[37.1, 45.5]	100.0
Pearson: Uncorrected chi2(6) =	11.3632						
Design-based F(5.22, 13517.45) =	1.5268	Pr =	0.175				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	61.4	[58.4, 64.3]	3.2	[2.2, 4.5]	35.4	[32.6, 38.4]	100.0
No (n=958)	53.1	[49.0, 57.0]	3.7	[2.4, 5.7]	43.3	[39.3, 47.3]	100.0
Pearson: Uncorrected chi2(2) =	17.7970						
Design-based F(1.99, 5159.56) =	5.1086	Pr =	0.006				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	78.0	[71.6, 83.2]	2.0	[0.8, 5.0]	20.0	[15.0, 26.3]	100.0
Mental health condition (n=944)	68.1	[64.2, 71.7]	3.4	[2.2, 5.2]	28.6	[25.0, 32.4]	100.0
Substance use disorder (n=100)	55.9	[44.2, 67.1]	4.0	[1.5, 10.4]	40.1	[29.3, 51.9]	100.0
None (n=1,257)	46.6	[43.0, 50.2]	3.7	[2.5, 5.5]	49.7	[46.1, 53.3]	100.0
Pearson: Uncorrected chi2(6) =	162.8678						
Design-based F(5.88, 15234.21) =	18.0145	Pr =	0.000				
Total (n=2,602)	58.0	[55.6, 60.4]	3.4	[2.6, 4.5]	38.6	[36.2, 41.0]	100.0

2.7 Q: Do you think substance use treatment is covered, not covered, or don't know?

Universe: All respondents (N=2,602)

	Knowledge that substance use treatment is covered						
	Yes		**No**		**Don't know**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	37.1	[33.5, 40.8]	5.5	[3.9, 7.7]	57.4	[53.7, 61.1]	100.0
36-49 (n=696)	48.9	[44.3, 53.6]	3.0	[1.6, 5.4]	48.1	[43.5, 52.7]	100.0
50-64 (n=869)	44.9	[40.9, 49.0]	2.8	[1.7, 4.6]	52.3	[48.2, 56.3]	100.0
Pearson: Uncorrected chi2(4) =	34.4662						
Design-based F(3.82, 9891.22) =	5.5149	Pr =	0.000				
Gender							
Female (n=1,546)	38.1	[35.2, 41.1]	4.2	[2.9, 5.8]	57.7	[54.7, 60.7]	100.0
Male (n=1,055)	45.7	[41.9, 49.5]	4.3	[2.8, 6.4]	50.1	[46.3, 53.9]	100.0
Pearson: Uncorrected chi2(2) =	15.9062						
Design-based F(1.96, 5073.67) =	4.3015	Pr =	0.014				
Race/ethnicity							
White, non-Hispanic (n=1,695)	45.1	[42.1, 48.1]	3.7	[2.5, 5.4]	51.2	[48.2, 54.3]	100.0
Black, non-Hispanic (n=422)	41.9	[36.2, 48.0]	5.1	[2.9, 8.9]	52.9	[47.0, 58.8]	100.0
Hispanic (n=169)	39.7	[31.0, 49.1]	3.6	[1.0, 12.0]	56.7	[47.3, 65.6]	100.0
Other, non-Hispanic (n=248)	29.4	[23.2, 36.5]	5.6	[3.2, 9.6]	65.0	[57.7, 71.6]	100.0
Pearson: Uncorrected chi2(6) =	28.4175						
Design-based F(5.73, 14444.36) =	2.3763	Pr =	0.029				
FPL category							
0-35% (n=959)	44.6	[40.8, 48.5]	4.2	[2.7, 6.5]	51.2	[47.3, 55.0]	100.0
36-99% (n=947)	37.6	[34.2, 41.0]	4.3	[3.0, 6.1]	58.1	[54.6, 61.6]	100.0
100%+ (n=695)	40.4	[36.3, 44.7]	4.0	[2.6, 6.2]	55.6	[51.3, 59.8]	100.0
Pearson: Uncorrected chi2(4) =	10.3634						
Design-based F(3.66, 9483.27) =	1.9378	Pr =	0.108				
Region							
UP/NW/NE (n=518)	44.8	[40.1, 49.7]	2.1	[1.2, 3.8]	53.0	[48.2, 57.8]	100.0
W/E Central/E (n=769)	42.5	[38.5, 46.5]	3.0	[1.9, 4.9]	54.5	[50.4, 58.5]	100.0
S Central/SW/SE (n=523)	45.7	[40.7, 50.7]	2.8	[1.6, 4.9]	51.5	[46.5, 56.5]	100.0
Detroit Metro (n=791)	39.3	[35.2, 43.7]	6.0	[4.1, 8.7]	54.7	[50.3, 59.0]	100.0
Pearson: Uncorrected chi2(6) =	20.5062						
Design-based F(5.15, 13322.20) =	2.7965	Pr =	0.015				
Chronic condition (2018 survey or DW)							
Yes (n=1,643)	43.7	[40.7, 46.8]	3.2	[2.1, 4.8]	53.0	[49.9, 56.1]	100.0
No (n=958)	39.3	[35.4, 43.3]	5.7	[4.0, 8.0]	55.0	[51.0, 59.0]	100.0
Pearson: Uncorrected chi2(2) =	12.2898						
Design-based F(1.97, 5091.13) =	3.2223	Pr =	0.041				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	64.6	[57.5, 71.2]	2.6	[1.3, 5.4]	32.7	[26.3, 39.9]	100.0
Mental health condition (n=944)	40.8	[37.0, 44.8]	3.5	[2.3, 5.4]	55.7	[51.7, 59.6]	100.0
Substance use disorder (n=100)	51.3	[39.6, 62.8]	5.3	[1.9, 13.4]	43.5	[32.3, 55.4]	100.0
None (n=1,256)	36.3	[32.9, 39.9]	5.0	[3.4, 7.3]	58.7	[55.1, 62.2]	100.0
Pearson: Uncorrected chi2(6) =	92.7297						
Design-based F(5.86, 15181.89) =	9.8809	Pr =	0.000				
Total (n=2,601)	41.9	[39.5, 44.4]	4.2	[3.2, 5.5]	53.8	[51.4, 56.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.8 Q: I could be dropped from the Healthy Michigan Plan for not paying my bill.

Universe: All respondents (N=2,602)

	Could be dropped from HMP for not paying my bill						Total
	Yes		**No**		**Don't know**		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	37.8	[34.3, 41.5]	14.9	[12.3, 18.0]	47.2	[43.5, 51.0]	100.0
36-49 (n=696)	33.0	[28.8, 37.5]	14.3	[11.2, 18.1]	52.7	[48.0, 57.3]	100.0
50-64 (n=869)	33.4	[29.7, 37.4]	14.8	[12.2, 17.9]	51.8	[47.7, 55.8]	100.0
Pearson: Uncorrected chi2(4) =	7.4124						
Design-based F(3.86, 9993.47) =	1.2493	Pr =	0.288				
Gender							
Female (n=1,547)	32.6	[29.9, 35.5]	15.0	[12.8, 17.4]	52.4	[49.3, 55.5]	100.0
Male (n=1,054)	38.4	[34.8, 42.1]	14.5	[11.9, 17.6]	47.1	[43.3, 50.9]	100.0
Pearson: Uncorrected chi2(2) =	9.8220						
Design-based F(1.99, 5152.78) =	2.9179	Pr =	0.054				
Race/ethnicity							
White, non-Hispanic (n=1,696)	39.4	[36.5, 42.4]	13.4	[11.4, 15.7]	47.2	[44.2, 50.2]	100.0
Black, non-Hispanic (n=422)	31.2	[25.9, 37.0]	15.6	[11.6, 20.7]	53.2	[47.2, 59.1]	100.0
Hispanic (n=169)	30.1	[22.5, 39.0]	19.0	[12.2, 28.4]	50.8	[41.7, 59.8]	100.0
Other, non-Hispanic (n=248)	31.5	[25.2, 38.6]	15.2	[10.4, 21.6]	53.3	[45.8, 60.7]	100.0
Pearson: Uncorrected chi2(6) =	20.2212						
Design-based F(5.91, 14910.97) =	1.8286	Pr =	0.091				
FPL category							
0-35% (n=959)	33.0	[29.5, 36.8]	16.2	[13.5, 19.4]	50.7	[46.8, 54.6]	100.0
36-99% (n=947)	36.4	[33.0, 39.9]	13.8	[11.5, 16.5]	49.7	[46.2, 53.3]	100.0
100%+ (n=695)	41.7	[37.6, 45.9]	11.6	[9.2, 14.6]	46.7	[42.4, 51.0]	100.0
Pearson: Uncorrected chi2(4) =	14.7476						
Design-based F(3.77, 9750.91) =	3.0119	Pr =	0.019				
Region							
UP/NW/NE (n=518)	40.4	[35.7, 45.3]	13.1	[10.2, 16.6]	46.5	[41.7, 51.3]	100.0
W/E Central/E (n=769)	36.0	[32.2, 40.0]	12.7	[10.3, 15.6]	51.3	[47.2, 55.3]	100.0
S Central/SW/SE (n=523)	38.7	[33.9, 43.7]	13.4	[10.2, 17.3]	48.0	[43.0, 53.0]	100.0
Detroit Metro (n=791)	32.9	[29.0, 37.1]	16.9	[13.8, 20.6]	50.2	[45.9, 54.5]	100.0
Pearson: Uncorrected chi2(6) =	13.2358						
Design-based F(5.23, 13549.78) =	1.7624	Pr =	0.113				
Chronic condition (2018 survey or DW)							
Yes (n=1,643)	34.0	[31.1, 37.0]	15.2	[13.0, 17.7]	50.8	[47.7, 53.9]	100.0
No (n=958)	37.9	[34.1, 41.8]	14.1	[11.5, 17.2]	48.0	[44.0, 52.0]	100.0
Pearson: Uncorrected chi2(2) =	4.1946						
Design-based F(1.99, 5164.12) =	1.2127	Pr =	0.297				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	33.8	[27.2, 41.0]	15.3	[10.9, 21.0]	50.9	[43.9, 57.9]	100.0
Mental health condition (n=944)	33.2	[29.7, 37.0]	14.8	[12.1, 18.1]	51.9	[47.9, 55.9]	100.0
Substance use disorder (n=99)	34.0	[23.7, 46.0]	21.1	[13.2, 31.9]	45.0	[33.6, 56.8]	100.0
None (n=1,257)	37.7	[34.3, 41.2]	14.1	[11.6, 17.0]	48.3	[44.7, 51.9]	100.0
Pearson: Uncorrected chi2(6) =	8.4387						
Design-based F(5.94, 15374.95) =	0.8826	Pr =	0.506				
Total (n=2,601)	35.6	[33.3, 37.9]	14.7	[13.0, 16.7]	49.7	[47.2, 52.2]	100.0

Note: Total n is less than universe N due to item non-response.

2.9 Q: I may get a reduction in the amount I might have to pay if I complete a Health Risk Assessment.

Universe: All respondents (N=2,602)

	May get reduction by completing HRA						Total
	Yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	29.7	[26.4, 33.2]	10.1	[8.1, 12.5]	60.2	[56.5, 63.8]	100.0
36-49 (n=696)	29.4	[25.4, 33.7]	8.9	[6.4, 12.4]	61.7	[57.0, 66.1]	100.0
50-64 (n=869)	30.8	[27.2, 34.7]	11.5	[9.1, 14.3]	57.7	[53.7, 61.7]	100.0
Pearson: Uncorrected chi2(4) =	3.0702						
Design-based F(3.85, 9964.87) =	0.5198	Pr =	0.714				
Gender							
Female (n=1,547)	26.3	[23.8, 29.0]	11.5	[9.6, 13.8]	62.1	[59.1, 65.1]	100.0
Male (n=1,054)	33.3	[29.9, 36.9]	8.7	[6.9, 11.0]	58.0	[54.2, 61.6]	100.0
Pearson: Uncorrected chi2(2) =	17.5429						
Design-based F(2.00, 5169.47) =	5.4704	Pr =	0.004				
Race/ethnicity							
White, non-Hispanic (n=1,695)	33.9	[31.1, 36.8]	9.0	[7.4, 10.8]	57.2	[54.2, 60.1]	100.0
Black, non-Hispanic (n=422)	24.1	[19.3, 29.7]	13.8	[10.1, 18.5]	62.1	[56.1, 67.8]	100.0
Hispanic (n=169)	24.8	[18.1, 33.0]	9.4	[5.5, 15.6]	65.8	[57.1, 73.6]	100.0
Other, non-Hispanic (n=248)	29.1	[22.7, 36.4]	8.8	[5.3, 14.3]	62.1	[54.6, 69.1]	100.0
Pearson: Uncorrected chi2(6) =	28.7643						
Design-based F(5.85, 14757.45) =	2.7685	Pr =	0.012				
FPL category							
0-35% (n=960)	27.8	[24.4, 31.4]	10.7	[8.6, 13.3]	61.5	[57.7, 65.2]	100.0
36-99% (n=946)	28.7	[25.6, 32.1]	9.6	[7.6, 12.0]	61.7	[58.2, 65.1]	100.0
100%+ (n=695)	37.7	[33.7, 41.9]	9.1	[6.9, 11.9]	53.2	[48.9, 57.4]	100.0
Pearson: Uncorrected chi2(4) =	18.4078						
Design-based F(3.80, 9840.37) =	3.7788	Pr =	0.005				
Region							
UP/NW/NE (n=517)	39.8	[35.2, 44.7]	9.9	[7.4, 13.1]	50.3	[45.4, 55.1]	100.0
W/E Central/E (n=770)	30.7	[27.0, 34.5]	9.6	[7.5, 12.3]	59.7	[55.7, 63.7]	100.0
S Central/SW/SE (n=523)	31.8	[27.2, 36.7]	7.8	[5.5, 11.0]	60.4	[55.3, 65.2]	100.0
Detroit Metro (n=791)	26.5	[22.9, 30.5]	11.5	[9.1, 14.5]	62.0	[57.7, 66.1]	100.0
Pearson: Uncorrected chi2(6) =	22.3757						
Design-based F(5.29, 13708.19) =	3.0142	Pr =	0.009				
Chronic condition (2018 survey or DW)							
Yes (n=1,643)	29.2	[26.5, 32.0]	9.8	[8.2, 11.7]	61.0	[58.0, 63.9]	100.0
No (n=958)	30.9	[27.3, 34.7]	10.5	[8.2, 13.4]	58.6	[54.6, 62.5]	100.0
Pearson: Uncorrected chi2(2) =	1.4873						
Design-based F(2.00, 5175.44) =	0.4436	Pr =	0.642				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	31.5	[25.3, 38.4]	7.7	[5.0, 11.8]	60.8	[53.8, 67.4]	100.0
Mental health condition (n=944)	27.8	[24.5, 31.4]	9.9	[7.8, 12.5]	62.3	[58.4, 66.0]	100.0
Substance use disorder (n=100)	35.9	[25.4, 48.0]	17.0	[10.1, 27.0]	47.1	[35.7, 58.8]	100.0
None (n=1,256)	30.4	[27.2, 33.8]	10.3	[8.3, 12.8]	59.3	[55.7, 62.8]	100.0
Pearson: Uncorrected chi2(6) =	13.1157						
Design-based F(5.94, 15379.74) =	1.4628	Pr =	0.187				
Total (n=2,601)	29.9	[27.7, 32.1]	10.1	[8.7, 11.7]	60.0	[57.6, 62.4]	100.0

Note: Total n is less than universe N due to item non-response.

2.10 Q: Some kinds of visits, tests and medicines have no copays.

Universe: All respondents (N=2,602)

	Yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,036)	62.3	[58.5, 66.0]	8.2	[6.2, 10.9]	29.5	[26.1, 33.1]	100.0
36-49 (n=696)	69.9	[65.3, 74.1]	6.3	[4.2, 9.3]	23.9	[20.0, 28.2]	100.0
50-64 (n=870)	72.1	[68.4, 75.6]	4.9	[3.4, 6.9]	23.0	[19.7, 26.6]	100.0
Pearson: Uncorrected chi2(4) =	23.8637						
Design-based F(3.79, 9823.98) =	3.8332	Pr =	0.005				
Gender							
Female (n=1,547)	70.5	[67.6, 73.3]	5.3	[4.0, 6.9]	24.2	[21.6, 27.0]	100.0
Male (n=1,055)	62.7	[58.8, 66.3]	8.6	[6.5, 11.3]	28.8	[25.4, 32.4]	100.0
Pearson: Uncorrected chi2(2) =	21.4085						
Design-based F(2.00, 5168.29) =	6.1550	Pr =	0.002				
Race/ethnicity							
White, non-Hispanic (n=1,696)	71.6	[68.6, 74.4]	6.2	[4.6, 8.2]	22.2	[19.8, 24.9]	100.0
Black, non-Hispanic (n=422)	60.3	[54.3, 66.1]	9.1	[6.2, 13.0]	30.6	[25.2, 36.6]	100.0
Hispanic (n=169)	58.0	[48.7, 66.8]	5.1	[2.6, 9.8]	36.9	[28.3, 46.4]	100.0
Other, non-Hispanic (n=248)	59.8	[52.1, 67.1]	7.4	[4.2, 12.7]	32.8	[26.0, 40.5]	100.0
Pearson: Uncorrected chi2(6) =	44.7743						
Design-based F(5.81, 14659.28) =	4.1325	Pr =	0.000				
FPL category							
0-35% (n=960)	65.5	[61.6, 69.2]	7.7	[5.7, 10.4]	26.8	[23.4, 30.4]	100.0
36-99% (n=947)	66.3	[62.7, 69.6]	6.7	[5.0, 8.9]	27.0	[23.9, 30.4]	100.0
100%+ (n=695)	69.9	[65.7, 73.7]	5.0	[3.4, 7.5]	25.1	[21.5, 29.1]	100.0
Pearson: Uncorrected chi2(4) =	5.3297						
Design-based F(3.77, 9761.73) =	1.0023	Pr =	0.402				
Region							
UP/NW/NE (n=518)	71.9	[67.3, 76.1]	5.5	[3.6, 8.4]	22.6	[18.8, 26.9]	100.0
W/E Central/E (n=770)	71.9	[68.0, 75.5]	5.2	[3.6, 7.5]	22.9	[19.6, 26.5]	100.0
S Central/SW/SE (n=523)	69.8	[64.9, 74.3]	7.6	[5.0, 11.3]	22.6	[18.7, 27.1]	100.0
Detroit Metro (n=791)	60.7	[56.3, 64.9]	8.0	[5.8, 11.0]	31.3	[27.4, 35.5]	100.0
Pearson: Uncorrected chi2(6) =	34.3703						
Design-based F(5.18, 13426.26) =	4.2322	Pr =	0.001				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	69.1	[66.1, 72.0]	5.9	[4.5, 7.6]	25.0	[22.3, 27.9]	100.0
No (n=958)	62.7	[58.6, 66.6]	8.5	[6.2, 11.6]	28.8	[25.2, 32.6]	100.0
Pearson: Uncorrected chi2(2) =	13.2583						
Design-based F(1.98, 5135.38) =	3.4533	Pr =	0.032				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	69.9	[63.0, 76.0]	9.5	[5.8, 15.2]	20.6	[15.6, 26.8]	100.0
Mental health condition (n=944)	73.6	[69.8, 77.1]	4.8	[3.3, 6.8]	21.6	[18.4, 25.2]	100.0
Substance use disorder (n=100)	59.1	[47.0, 70.2]	6.7	[3.0, 14.5]	34.1	[23.6, 46.6]	100.0
None (n=1,257)	61.6	[57.9, 65.1]	7.8	[5.8, 10.3]	30.6	[27.3, 34.1]	100.0
Pearson: Uncorrected chi2(6) =	45.6030						
Design-based F(5.84, 15128.48) =	4.6010	Pr =	0.000				
Total (n=2,602)	66.5	[64.1, 68.9]	6.9	[5.7, 8.5]	26.5	[24.3, 28.8]	100.0

2.11 Overall knowledge of HMP covered benefits and costs

Universe: All respondents (N=2,602)

	Overall knowledge of HMP coverage and costs			
	Mean	SE	95% CI	n
Age				
19-34	4.9	0.07	[4.7, 5.0]	1,036
35-50	5.1	0.10	[4.9, 5.3]	696
51-64	4.8	0.09	[4.6, 5.0]	870
ANOVA results F(2, 2,590)= 2.49, p = 0.0831				
Gender				
Female	5.0	0.06	[4.9, 5.1]	1,547
Male	4.8	0.08	[4.6, 5.0]	1,055
Two sample t-test results, difference= -0.22, 95% CI (-0.41, -0.02) t(2,590)= -2.16, p = 0.031				
Race/ethnicity				
White, non-Hispanic	5.1	0.06	[5.0, 5.2]	1,696
Black, non-Hispanic	4.9	0.12	[4.6, 5.1]	422
Hispanic	4.8	0.18	[4.4, 5.1]	169
Other, non-Hispanic	4.4	0.16	[4.1, 4.7]	248
ANOVA results F(2, 2,523)= 6.11, p = 0.0004				
FPL category				
0-35%	4.9	0.08	[4.8, 5.1]	960
36-99%	4.8	0.08	[4.6, 4.9]	947
100%+	5.1	0.10	[4.9, 5.3]	695
ANOVA results F(2, 2,590)= 2.74, p = 0.0649				
Region				
UP/NW/NE	5.3	0.10	[5.0, 5.5]	518
W/E Central/E	5.0	0.08	[4.9, 5.2]	770
S Central/SW/SE	5.0	0.11	[4.8, 5.2]	523
Detroit Metro	4.7	0.08	[4.5, 4.9]	791
ANOVA results F(3, 2,590)= 6.07, p = 0.0004				
Chronic condition (2018 survey or DW)				
Yes	5.0	0.06	[4.8, 5.1]	1,823
No	4.8	0.10	[4.6, 5.0]	779
Two sample t-test results, difference= -0.13, 95% CI (-0.35, -0.09) t(2,590)= -1.16, p = 0.247				
Mental health condition and/or substance use disorder (2018 survey and/or DW)				
Mental health condition and substance use disorder	5.5	0.14	[5.3, 5.8]	301
Mental health condition	5.1	0.08	[4.9, 5.3]	944
Substance use disorder	4.8	0.26	[4.3, 5.3]	100
None	4.6	0.07	[4.5, 4.8]	1,257
ANOVA results F(3, 2,590)= 13.97, p < 0.0001				
Total	4.9	0.05	[4.8, 5.0]	2,602

Notes: Overall knowledge of HMP covered benefits and costs was defined as the count of correct answers to a series of 10 questions about HMP: (1) I could be dropped from the Healthy Michigan Plan for not paying my bill (correct answer = no); (2) I may get a reduction in the amount I might have to pay if I complete a health risk assessment (correct answer = yes); (3) Some kinds of visits, tests and medicines have no copays (correct answer = yes); Do you think the following are covered under Healthy Michigan Plan: (4) eyeglasses (correct answer = yes); (5) prescription medications (correct answer = yes); (6) routine dental care (correct answer = yes); (7) treatment to stop smoking (correct answer = yes); (8) birth control/family planning (correct answer = yes); (9) counseling for mental or emotional problems (correct answer = yes); (10) substance use treatment (correct answer = yes)

2.12 Q: In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything?

Universe: All respondents (N=2,602)

	Yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,034)	49.9	[46.2, 53.6]	40.1	[36.3, 43.9]	10.0	[8.0, 12.5]	100.0
36-49 (n=696)	68.7	[64.2, 72.8]	25.5	[21.6, 29.8]	5.9	[4.2, 8.2]	100.0
50-64 (n=870)	75.0	[71.2, 78.5]	20.7	[17.5, 24.4]	4.2	[2.8, 6.3]	100.0
Pearson: Uncorrected chi2(4) =	135.3451						
Design-based F(3.92, 10134.28) =	24.0091	Pr =	0.000				
Gender							
Female (n=1,547)	64.8	[61.7, 67.8]	28.4	[25.6, 31.4]	6.8	[5.3, 8.7]	100.0
Male (n=1,053)	56.5	[52.6, 60.2]	35.1	[31.5, 39.0]	8.4	[6.6, 10.8]	100.0
Pearson: Uncorrected chi2(2) =	18.9390						
Design-based F(2.00, 5167.86) =	5.5948	Pr =	0.004				
Race/ethnicity							
White, non-Hispanic (n=1,696)	67.9	[64.8, 70.8]	25.4	[22.7, 28.4]	6.7	[5.4, 8.3]	100.0
Black, non-Hispanic (n=422)	51.7	[45.8, 57.6]	42.4	[36.6, 48.4]	5.9	[3.7, 9.4]	100.0
Hispanic (n=169)	51.0	[41.9, 60.1]	36.0	[27.5, 45.5]	13.0	[7.7, 21.0]	100.0
Other, non-Hispanic (n=246)	51.1	[43.6, 58.6]	36.8	[29.8, 44.4]	12.1	[7.5, 19.0]	100.0
Pearson: Uncorrected chi2(6) =	88.4229						
Design-based F(5.91, 14894.46) =	7.7924	Pr =	0.000				
FPL category							
0-35% (n=960)	58.0	[54.0, 61.8]	34.5	[30.8, 38.5]	7.5	[5.6, 9.9]	100.0
36-99% (n=946)	60.4	[56.8, 63.9]	31.6	[28.2, 35.1]	8.0	[6.3, 10.2]	100.0
100%+ (n=694)	68.3	[64.1, 72.3]	24.2	[20.6, 28.2]	7.5	[5.4, 10.3]	100.0
Pearson: Uncorrected chi2(4) =	18.8509						
Design-based F(3.80, 9825.61) =	3.6382	Pr =	0.007				
Region							
UP/NW/NE (n=518)	70.7	[65.8, 75.1]	20.7	[16.8, 25.1]	8.7	[6.1, 12.2]	100.0
W/E Central/E (n=770)	64.1	[60.0, 68.0]	27.2	[23.6, 31.1]	8.7	[6.5, 11.6]	100.0
S Central/SW/SE (n=523)	62.3	[57.2, 67.1]	31.4	[26.7, 36.4]	6.4	[4.3, 9.3]	100.0
Detroit Metro (n=789)	55.6	[51.2, 59.9]	37.1	[32.9, 41.5]	7.3	[5.4, 9.9]	100.0
Pearson: Uncorrected chi2(6) =	37.2874						
Design-based F(5.37, 13898.27) =	4.6500	Pr =	0.000				
Chronic condition (2018 survey or DW)							
Yes (n=1,644)	65.2	[62.1, 68.2]	27.3	[24.5, 30.3]	7.5	[6.0, 9.5]	100.0
No (n=956)	53.7	[49.6, 57.7]	38.6	[34.6, 42.7]	7.8	[5.9, 10.1]	100.0
Pearson: Uncorrected chi2(2) =	38.8328						
Design-based F(1.99, 5162.59) =	11.1492	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	60.6	[53.5, 67.2]	34.3	[27.9, 41.3]	5.2	[3.0, 8.9]	100.0
Mental health condition (n=944)	65.3	[61.1, 69.2]	26.9	[23.2, 30.9]	7.9	[5.8, 10.6]	100.0
Substance use disorder (n=100)	58.9	[47.0, 69.8]	27.1	[18.2, 38.2]	14.1	[7.2, 25.6]	100.0
None (n=1,255)	57.6	[53.9, 61.2]	34.8	[31.3, 38.5]	7.6	[5.9, 9.7]	100.0
Pearson: Uncorrected chi2(6) =	25.0248						
Design-based F(5.93, 15348.82) =	2.5709	Pr =	0.018				
Total (n=2,600)	60.6	[58.1, 63.0]	31.8	[29.5, 34.3]	7.6	[6.4, 9.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.12.1 Q: I carefully review each MI Health Account statement to see how much I owe.

Universe: Respondents who received a MIHA statement in the past year (N=1,749)

	Strongly agree		Agree		Carefully review MIHA statement Neutral		Disagree		Strongly disagree		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=575)	20.7	[17.1, 24.9]	57.1	[52.1, 62.0]	10.8	[8.0, 14.3]	10.3	[7.5, 13.9]	1.1	[0.5, 2.5]	100.0
36-49 (n=485)	20.8	[16.7, 25.7]	59.6	[53.9, 65.1]	8.9	[5.9, 13.3]	9.2	[6.3, 13.3]	1.5	[0.4, 4.7]	100.0
50-64 (n=670)	23.5	[19.9, 27.4]	63.2	[58.6, 67.5]	5.5	[3.6, 8.2]	7.0	[4.9, 10.1]	0.8	[0.3, 2.4]	100.0
Pearson: Uncorrected chi2(8) =	16.9513										
Design-based F(7.67, 13177.83) =	1.2774	Pr =	0.252								
Gender											
Female (n=1,072)	24.4	[21.4, 27.7]	59.6	[55.9, 63.1]	6.9	[5.1, 9.2]	8.0	[6.1, 10.4]	1.1	[0.6, 2.3]	100.0
Male (n=658)	18.3	[15.1, 22.1]	59.6	[54.8, 64.2]	10.8	[8.1, 14.3]	10.2	[7.5, 13.7]	1.1	[0.4, 3.1]	100.0
Pearson: Uncorrected chi2(4) =	17.3489										
Design-based F(3.97, 6813.09) =	2.4409	Pr =	0.045								
Race/ethnicity											
White, non-Hispanic (n=1,228)	23.9	[21.1, 27.0]	60.4	[56.8, 63.8]	6.3	[4.8, 8.3]	8.8	[6.7, 11.4]	0.6	[0.2, 1.6]	100.0
Black, non-Hispanic (n=233)	15.5	[10.9, 21.5]	62.8	[54.9, 70.0]	9.9	[5.7, 16.6]	10.4	[6.7, 15.7]	1.4	[0.5, 4.0]	100.0
Hispanic (n=96)	24.6	[15.9, 35.8]	55.8	[44.0, 66.9]	15.3	[8.2, 26.7]	4.4	[1.5, 12.1]	0.0		100.0
Other, non-Hispanic (n=136)	18.9	[12.0, 28.5]	47.3	[37.7, 57.1]	20.1	[12.9, 29.9]	8.8	[4.3, 17.3]	4.8	[1.7, 13.0]	100.0
Pearson: Uncorrected chi2(12) =	80.4309										
Design-based F(11.52, 19365.47) =	3.7498	Pr =	0.000								
FPL category											
0-35% (n=617)	21.3	[17.8, 25.3]	59.5	[54.7, 64.2]	8.2	[5.7, 11.5]	9.7	[7.0, 13.3]	1.3	[0.5, 3.2]	100.0
36-99% (n=612)	21.3	[17.9, 25.2]	60.8	[56.4, 65.1]	8.6	[6.2, 11.8]	8.3	[6.2, 11.1]	0.9	[0.4, 2.0]	100.0
100%+ (n=501)	22.5	[18.7, 26.7]	58.1	[53.1, 63.0]	10.2	[7.3, 14.1]	8.3	[5.9, 11.5]	0.9	[0.3, 2.8]	100.0
Pearson: Uncorrected chi2(8) =	3.2474										
Design-based F(7.46, 12814.05) =	0.3100	Pr =	0.956								
Region											
UP/NW/NE (n=380)	22.9	[18.7, 27.7]	64.8	[59.4, 69.9]	6.4	[4.2, 9.5]	5.8	[3.6, 9.1]	0.2	[0.0, 1.2]	100.0
W/E Central/E (n=531)	24.6	[20.8, 28.9]	60.6	[55.8, 65.2]	7.1	[4.9, 10.2]	6.9	[4.7, 9.9]	0.8	[0.3, 2.0]	100.0
S Central/SW/SE (n=349)	20.8	[16.4, 26.0]	56.8	[50.6, 62.8]	9.8	[6.4, 14.5]	11.8	[8.2, 16.8]	0.8	[0.2, 2.9]	100.0
Detroit Metro (n=470)	19.4	[15.5, 24.0]	58.9	[53.3, 64.2]	10.0	[7.0, 14.0]	10.0	[7.0, 14.1]	1.8	[0.7, 4.1]	100.0
Pearson: Uncorrected chi2(12) =	23.0271										
Design-based F(10.05, 17262.51) =	1.5520	Pr =	0.114								
Chronic condition (2018 survey or DW)											
Yes (n=1,160)	21.0	[18.4, 24.0]	59.6	[56.0, 63.2]	8.1	[6.2, 10.5]	10.0	[7.8, 12.7]	1.2	[0.5, 2.7]	100.0
No (n=570)	22.5	[18.5, 27.0]	59.5	[54.3, 64.4]	9.9	[7.0, 13.8]	7.2	[4.9, 10.5]	1.0	[0.5, 1.9]	100.0
Pearson: Uncorrected chi2(4) =	5.4018										
Design-based F(3.89, 6689.55) =	0.8316	Pr =	0.502								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=190)	17.8	[12.5, 24.7]	59.8	[50.7, 68.4]	6.3	[3.0, 12.8]	14.3	[8.8, 22.3]	1.8	[0.3, 11.7]	100.0
Mental health condition (n=673)	24.9	[21.1, 29.1]	56.9	[52.3, 61.5]	8.3	[5.9, 11.5]	9.3	[6.8, 12.6]	0.6	[0.2, 1.9]	100.0
Substance use disorder (n=63)	17.7	[9.2, 31.4]	63.4	[48.6, 76.1]	6.3	[2.7, 13.9]	9.9	[4.1, 22.0]	2.6	[0.4, 16.5]	100.0
None (n=804)	20.3	[17.1, 24.0]	61.2	[56.8, 65.5]	9.9	[7.4, 13.2]	7.3	[5.2, 10.4]	1.2	[0.6, 2.5]	100.0
Pearson: Uncorrected chi2(12) =	23.5221										
Design-based F(10.70, 18388.52) =	1.1441	Pr =	0.322								
Total (n=1,730)	21.5	[19.3, 24.0]	59.6	[56.6, 62.5]	8.7	[7.1, 10.7]	9.0	[7.3, 11.0]	1.1	[0.6, 2.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.12.2 Q: The MI Health Account statements help me be more aware of the cost of health care.

Universe: Respondents who received a MIHA statement in the past year (N=1,749)

| | MIHA statements help me be aware of health care costs | | | | | | | | | | Total |
| | Strongly agree | | Agree | | Neutral | | Disagree | | Strongly disagree | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=573)	19.6	[16.0, 23.8]	61.2	[56.3, 66.0]	10.2	[7.6, 13.6]	8.3	[5.8, 11.7]	0.7	[0.2, 2.2]	100.0
36-49 (n=482)	20.0	[15.7, 25.3]	63.8	[58.1, 69.2]	7.1	[4.6, 10.9]	8.9	[6.2, 12.6]	0.1	[0.0, 0.9]	100.0
50-64 (n=661)	18.6	[15.4, 22.1]	63.6	[59.0, 67.9]	8.3	[6.0, 11.4]	9.2	[6.7, 12.4]	0.4	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(8) =	6.4090										
Design-based F(7.30, 12440.28) =	0.5822		Pr =	0.778							
Gender											
Female (n=1,067)	20.4	[17.6, 23.6]	63.0	[59.3, 66.5]	8.1	[6.3, 10.5]	7.7	[6.0, 9.8]	0.8	[0.3, 1.9]	100.0
Male (n=649)	18.3	[14.9, 22.3]	62.3	[57.5, 66.9]	9.5	[7.1, 12.6]	9.9	[7.3, 13.3]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(4) =	9.2892										
Design-based F(3.52, 6001.80) =	1.7138		Pr =	0.152							
Race/ethnicity											
White, non-Hispanic (n=1,216)	20.5	[17.8, 23.5]	61.0	[57.5, 64.4]	8.8	[7.1, 10.9]	9.0	[7.0, 11.4]	0.7	[0.3, 1.6]	100.0
Black, non-Hispanic (n=233)	16.8	[11.7, 23.6]	68.2	[60.4, 75.2]	7.3	[3.9, 13.2]	7.6	[4.5, 12.6]	0.0		100.0
Hispanic (n=95)	23.3	[14.7, 34.9]	65.4	[53.5, 75.6]	8.9	[4.0, 18.6]	2.5	[0.8, 7.6]	0.0		100.0
Other, non-Hispanic (n=136)	17.6	[10.9, 27.2]	59.4	[49.1, 69.0]	11.7	[6.2, 21.1]	11.2	[6.0, 20.0]	0.0		100.0
Pearson: Uncorrected chi2(12) =	18.2521										
Design-based F(11.39, 19004.66) =	0.8735		Pr =	0.569							
FPL category											
0-35% (n=613)	19.7	[16.1, 23.8]	62.5	[57.6, 67.1]	8.8	[6.4, 11.9]	8.7	[6.3, 12.0]	0.3	[0.1, 1.7]	100.0
36-99% (n=606)	17.5	[14.3, 21.3]	62.3	[57.8, 66.6]	10.2	[7.7, 13.3]	9.5	[7.2, 12.3]	0.5	[0.1, 2.1]	100.0
100%+ (n=497)	21.2	[17.5, 25.4]	63.5	[58.6, 68.2]	7.1	[4.7, 10.4]	7.7	[5.4, 11.0]	0.5	[0.2, 1.7]	100.0
Pearson: Uncorrected chi2(8) =	4.7178										
Design-based F(7.52, 12816.46) =	0.4607		Pr =	0.875							
Region											
UP/NW/NE (n=382)	19.9	[16.0, 24.6]	64.3	[58.9, 69.3]	8.3	[5.7, 11.9]	7.3	[5.0, 10.4]	0.2	[0.0, 1.5]	100.0
W/E Central/E (n=526)	19.0	[15.5, 23.0]	64.6	[59.7, 69.1]	8.8	[6.2, 12.4]	7.4	[5.2, 10.4]	0.3	[0.1, 1.0]	100.0
S Central/SW/SE (n=345)	18.4	[14.3, 23.4]	62.2	[56.0, 68.0]	10.1	[6.8, 14.7]	9.3	[6.1, 13.7]	0.0		100.0
Detroit Metro (n=463)	20.1	[15.9, 25.1]	61.1	[55.5, 66.4]	8.2	[5.7, 11.7]	9.8	[6.9, 13.6]	0.8	[0.3, 2.4]	100.0
Pearson: Uncorrected chi2(12) =	8.5648										
Design-based F(9.83, 16743.74) =	0.6029		Pr =	0.810							
Chronic condition (2018 survey or DW)											
Yes (n=1,150)	19.1	[16.4, 22.1]	62.6	[59.0, 66.1]	8.4	[6.5, 10.7]	9.6	[7.6, 12.1]	0.4	[0.1, 1.3]	100.0
No (n=566)	20.1	[16.2, 24.7]	62.7	[57.6, 67.6]	9.5	[6.9, 13.1]	7.1	[4.9, 10.2]	0.5	[0.2, 1.6]	100.0
Pearson: Uncorrected chi2(4) =	3.8485										
Design-based F(3.97, 6766.58) =	0.6022		Pr =	0.660							
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=192)	20.7	[14.3, 29.1]	65.1	[56.2, 73.0]	5.3	[2.9, 9.3]	8.8	[5.0, 14.8]	0.2	[0.0, 1.3]	100.0
Mental health condition (n=660)	20.7	[17.1, 24.8]	60.5	[55.8, 65.0]	9.7	[7.1, 13.1]	8.8	[6.6, 11.8]	0.3	[0.0, 1.9]	100.0
Substance use disorder (n=63)	14.5	[7.0, 27.7]	64.3	[49.4, 76.9]	9.9	[4.3, 21.1]	11.3	[4.8, 24.2]	0.0		100.0
None (n=801)	18.6	[15.4, 22.2]	63.4	[59.0, 67.7]	9.0	[6.7, 11.9]	8.4	[6.0, 11.5]	0.6	[0.2, 1.8]	100.0
Pearson: Uncorrected chi2(12) =	8.8546										
Design-based F(11.25, 19163.77) =	0.5205		Pr =	0.894							
Total (n=1,716)	19.4	[17.2, 21.9]	62.6	[59.7, 65.5]	8.8	[7.2, 10.7]	8.7	[7.1, 10.6]	0.4	[0.2, 1.0]	100.0

Note: Total n is less than universe N due to item non-response.

2.12.3 Q: Information I saw in a MI Health Account statement led me to change some of my decisions about health care.

Universe: Respondents who received a MIHA statement in the past year (N=1,749)

| | MIHA statements led me to change health care decisions | | | | | | | | | | | | Total |
| | Strongly agree | | Agree | | Neutral | | Disagree | | Strongly disagree | | Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=578)	4.9	[3.2, 7.3]	27.1	[22.8, 31.8]	25.2	[21.2, 29.6]	37.4	[32.6, 42.3]	2.8	[1.7, 4.8]	2.7	[1.5, 4.8]	100.0
36-49 (n=492)	5.4	[3.1, 9.3]	28.7	[24.0, 34.0]	14.9	[11.3, 19.4]	44.0	[38.5, 49.7]	4.1	[2.4, 7.1]	2.7	[1.6, 4.6]	100.0
50-64 (n=673)	5.2	[3.7, 7.4]	28.2	[24.2, 32.6]	12.6	[9.9, 15.9]	47.1	[42.5, 51.7]	3.1	[2.0, 4.9]	3.8	[2.4, 5.8]	100.0
Pearson: Uncorrected chi2(10) = 41.2599													
Design-based F(9.54, 16509.00) = 2.8450		Pr =	0.002										
Gender													
Female (n=1,077)	3.8	[2.6, 5.3]	26.8	[23.7, 30.1]	17.6	[15.0, 20.7]	44.6	[41.0, 48.2]	4.3	[3.0, 6.2]	2.9	[2.0, 4.3]	100.0
Male (n=666)	6.7	[4.7, 9.5]	29.1	[24.9, 33.6]	19.6	[16.2, 23.6]	39.3	[34.7, 44.1]	2.2	[1.3, 3.7]	3.1	[1.9, 5.0]	100.0
Pearson: Uncorrected chi2(5) = 17.8119													
Design-based F(4.96, 8583.00) = 2.4021		Pr =	0.035										
Race/ethnicity													
White, non-Hispanic (n=1,240)	5.0	[3.7, 6.8]	25.6	[22.7, 28.7]	19.5	[16.7, 22.5]	43.7	[40.2, 47.2]	3.3	[2.3, 4.7]	3.0	[2.0, 4.3]	100.0
Black, non-Hispanic (n=235)	3.5	[1.5, 7.8]	38.4	[30.8, 46.6]	13.2	[8.7, 19.4]	38.7	[31.2, 46.7]	3.6	[1.6, 7.9]	2.7	[1.3, 5.6]	100.0
Hispanic (n=96)	7.6	[3.3, 16.5]	25.5	[17.3, 36.0]	21.5	[13.1, 33.4]	34.0	[24.0, 45.7]	5.6	[2.3, 13.2]	5.7	[1.8, 16.7]	100.0
Other, non-Hispanic (n=135)	7.7	[3.5, 16.3]	26.3	[18.6, 35.7]	22.9	[15.8, 32.0]	39.2	[29.9, 49.4]	0.8	[0.1, 5.3]	3.1	[1.2, 7.6]	100.0
Pearson: Uncorrected chi2(15) = 39.0404													
Design-based F(14.44, 24459.13) = 1.5708		Pr =	0.076										
FPL category													
0-35% (n=624)	5.8	[4.0, 8.3]	27.6	[23.5, 32.1]	16.6	[13.3, 20.5]	43.8	[39.0, 48.6]	3.8	[2.5, 5.8]	2.5	[1.4, 4.3]	100.0
36-99% (n=614)	4.1	[2.6, 6.4]	28.7	[24.9, 32.9]	20.0	[16.5, 24.1]	40.4	[36.2, 44.8]	2.6	[1.5, 4.6]	4.0	[2.6, 6.1]	100.0
100%+ (n=505)	4.9	[3.1, 7.5]	27.5	[23.3, 32.1]	21.7	[17.7, 26.3]	40.0	[35.3, 44.9]	2.9	[1.6, 5.5]	3.0	[1.8, 4.9]	100.0
Pearson: Uncorrected chi2(10) = 11.3385													
Design-based F(9.51, 16463.80) = 0.9250		Pr =	0.505										
Region													
UP/NW/NE (n=386)	4.6	[2.7, 7.9]	23.6	[19.2, 28.7]	19.6	[15.4, 24.6]	47.0	[41.5, 52.5]	2.6	[1.4, 4.6]	2.6	[1.5, 4.8]	100.0
W/E Central/E (n=534)	6.4	[4.3, 9.5]	27.2	[23.1, 31.7]	21.0	[17.3, 25.3]	39.9	[35.3, 44.7]	2.9	[1.7, 5.0]	2.6	[1.5, 4.5]	100.0
S Central/SW/SE (n=350)	5.2	[3.0, 8.8]	25.4	[20.2, 31.3]	18.5	[14.1, 23.8]	44.7	[38.7, 50.9]	3.7	[2.2, 6.3]	2.5	[1.4, 4.7]	100.0
Detroit Metro (n=473)	4.3	[2.6, 7.2]	30.7	[26.0, 35.9]	16.6	[12.8, 21.3]	41.1	[35.7, 46.7]	3.6	[2.1, 6.2]	3.6	[2.2, 6.0]	100.0
Pearson: Uncorrected chi2(15) = 14.6485													
Design-based F(12.96, 22440.13) = 0.8125		Pr =	0.647										
Chronic condition (2018 survey or DW)													
Yes (n=1,168)	5.7	[4.2, 7.7]	29.9	[26.6, 33.3]	15.6	[13.2, 18.3]	42.9	[39.3, 46.6]	2.9	[1.9, 4.3]	3.1	[2.1, 4.4]	100.0
No (n=575)	4.1	[2.6, 6.5]	24.2	[20.1, 28.9]	24.0	[19.8, 28.8]	40.6	[35.8, 45.7]	4.1	[2.6, 6.5]	2.9	[1.6, 5.0]	100.0
Pearson: Uncorrected chi2(5) = 24.2105													
Design-based F(4.98, 8616.64) = 3.1619		Pr =	0.008										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=194)	6.0	[3.2, 11.2]	32.4	[24.7, 41.2]	15.2	[9.7, 22.9]	42.0	[33.3, 51.4]	3.6	[1.5, 8.3]	0.8	[0.3, 2.0]	100.0
Mental health condition (n=678)	5.4	[3.5, 8.3]	25.9	[22.0, 30.2]	15.7	[12.7, 19.3]	45.1	[40.6, 49.7]	4.4	[2.8, 6.8]	3.5	[2.2, 5.6]	100.0
Substance use disorder (n=63)	9.3	[3.3, 23.4]	27.0	[15.6, 42.5]	17.9	[10.1, 29.7]	43.1	[28.8, 58.6]	2.7	[0.4, 16.8]	0.0		100.0
None (n=808)	4.4	[3.0, 6.4]	28.2	[24.4, 32.4]	21.7	[18.2, 25.6]	39.8	[35.5, 44.2]	2.5	[1.5, 4.1]	3.4	[2.2, 5.2]	100.0
Pearson: Uncorrected chi2(15) = 27.6741													
Design-based F(14.20, 24586.90) = 1.2418		Pr =	0.235										
Total (n=1,743)	5.1	[4.0, 6.6]	27.9	[25.3, 30.6]	18.6	[16.4, 21.0]	42.1	[39.2, 45.1]	3.3	[2.4, 4.5]	3.0	[2.2, 4.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.13 Q: The amount I have to pay overall for the Healthy Michigan Plan seems fair.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,035)	21.9	[19.1, 25.0]	60.2	[56.5, 63.8]	9.4	[7.4, 11.8]	4.3	[3.0, 6.2]	0.5	[0.2, 1.2]	3.7	[2.3, 5.9]	100.0
36-49 (n=695)	29.2	[25.1, 33.6]	57.6	[52.9, 62.1]	5.3	[3.8, 7.3]	5.1	[3.4, 7.5]	0.3	[0.1, 1.1]	2.6	[1.6, 4.1]	100.0
50-64 (n=869)	29.8	[26.3, 33.6]	58.9	[54.8, 62.8]	3.9	[2.6, 5.9]	4.1	[2.7, 6.0]	0.4	[0.1, 1.2]	3.0	[1.8, 4.8]	100.0
Pearson: Uncorrected chi2(10) = 39.7126													
Design-based F(9.38, 24267.04) = 3.0651		Pr =	0.001										
Gender													
Female (n=1,546)	25.7	[23.2, 28.5]	59.4	[56.3, 62.3]	6.6	[5.2, 8.2]	4.4	[3.3, 5.8]	0.7	[0.4, 1.4]	3.3	[2.2, 4.9]	100.0
Male (n=1,053)	25.5	[22.4, 28.8]	59.0	[55.3, 62.7]	7.6	[5.8, 9.8]	4.5	[3.2, 6.4]	0.2	[0.0, 0.8]	3.2	[1.9, 5.2]	100.0
Pearson: Uncorrected chi2(5) = 5.2611													
Design-based F(4.81, 12451.74) = 0.6357		Pr =	0.666										
Race/ethnicity													
White, non-Hispanic (n=1,693)	29.6	[26.9, 32.4]	60.6	[57.6, 63.5]	5.3	[4.2, 6.8]	2.6	[1.8, 3.7]	0.2	[0.0, 0.6]	1.8	[1.2, 2.7]	100.0
Black, non-Hispanic (n=422)	18.2	[14.4, 22.9]	66.2	[60.6, 71.3]	6.0	[3.9, 9.0]	6.5	[4.1, 10.2]	1.0	[0.4, 2.5]	2.0	[0.9, 4.5]	100.0
Hispanic (n=169)	28.4	[20.9, 37.2]	50.2	[41.1, 59.2]	8.7	[4.7, 15.6]	5.4	[2.5, 11.2]	0.7	[0.1, 4.8]	6.6	[3.2, 13.2]	100.0
Other, non-Hispanic (n=248)	21.7	[16.1, 28.7]	50.4	[42.9, 57.9]	12.1	[7.9, 18.1]	7.2	[4.1, 12.2]	0.2	[0.0, 1.7]	8.4	[4.4, 15.3]	100.0
Pearson: Uncorrected chi2(15) = 132.7525													
Design-based F(14.19, 35764.69) = 5.5059		Pr =	0.000										
FPL category													
0-35% (n=958)	24.6	[21.6, 28.0]	62.3	[58.5, 66.0]	5.0	[3.5, 7.1]	3.7	[2.4, 5.6]	0.3	[0.1, 0.9]	4.1	[2.7, 6.2]	100.0
36-99% (n=947)	27.5	[24.4, 30.8]	57.2	[53.6, 60.7]	8.5	[6.7, 10.8]	3.9	[2.8, 5.5]	0.7	[0.3, 1.6]	2.2	[1.3, 3.7]	100.0
100%+ (n=694)	25.8	[22.3, 29.7]	53.1	[48.8, 57.3]	11.0	[8.3, 14.5]	7.4	[5.4, 10.0]	0.6	[0.2, 1.8]	2.1	[1.2, 3.8]	100.0
Pearson: Uncorrected chi2(10) = 49.9716													
Design-based F(9.27, 23990.87) = 3.8936		Pr =	0.000										
Region													
UP/NW/NE (n=517)	29.9	[25.7, 34.5]	61.7	[56.9, 66.3]	4.9	[3.1, 7.6]	1.4	[0.7, 2.8]	0.1	[0.0, 0.8]	2.0	[1.0, 3.9]	100.0
W/E Central/E (n=769)	27.1	[23.8, 30.7]	60.4	[56.4, 64.2]	6.1	[4.2, 8.7]	4.0	[2.7, 6.0]	0.2	[0.0, 0.7]	2.3	[1.4, 3.8]	100.0
S Central/SW/SE (n=522)	26.9	[22.8, 31.4]	61.6	[56.7, 66.3]	4.8	[3.1, 7.3]	3.6	[2.2, 6.0]	0.6	[0.1, 2.2]	2.4	[1.3, 4.4]	100.0
Detroit Metro (n=791)	23.2	[19.8, 27.0]	56.9	[52.6, 61.1]	9.2	[7.1, 11.7]	5.7	[4.1, 7.9]	0.6	[0.3, 1.3]	4.4	[2.7, 7.0]	100.0
Pearson: Uncorrected chi2(15) = 42.1071													
Design-based F(12.55, 32469.85) = 2.5349		Pr =	0.002										
Chronic condition (2018 survey or DW)													
Yes (n=1,642)	27.9	[25.2, 30.7]	58.3	[55.2, 61.3]	5.9	[4.5, 7.7]	4.8	[3.6, 6.2]	0.4	[0.2, 0.8]	2.8	[1.9, 3.9]	100.0
No (n=957)	22.3	[19.3, 25.6]	60.5	[56.6, 64.4]	8.8	[6.9, 11.1]	4.0	[2.6, 6.1]	0.5	[0.2, 1.3]	3.9	[2.3, 6.6]	100.0
Pearson: Uncorrected chi2(5) = 19.0877													
Design-based F(4.76, 12318.39) = 2.2709		Pr =	0.048										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	30.1	[24.3, 36.6]	58.4	[51.4, 65.2]	4.4	[1.7, 10.5]	4.5	[2.3, 8.6]	0.2	[0.0, 1.4]	2.4	[1.0, 5.8]	100.0
Mental health condition (n=943)	30.0	[26.5, 33.8]	58.4	[54.4, 62.3]	6.2	[4.4, 8.6]	3.1	[2.1, 4.5]	0.7	[0.3, 1.7]	1.7	[1.0, 2.8]	100.0
Substance use disorder (n=100)	21.4	[13.9, 31.4]	62.0	[50.3, 72.4]	6.5	[2.2, 18.0]	5.7	[2.3, 13.7]	0.0		4.5	[1.5, 12.3]	100.0
None (n=1,255)	21.9	[19.2, 24.8]	59.7	[56.2, 63.1]	8.4	[6.8, 10.3]	5.2	[3.8, 7.2]	0.4	[0.2, 0.9]	4.4	[2.9, 6.6]	100.0
Pearson: Uncorrected chi2(15) = 45.8381													
Design-based F(13.33, 34496.69) = 2.0246		Pr =	0.014										
Total (n=2,599)	25.6	[23.6, 27.7]	59.2	[56.8, 61.6]	7.1	[5.9, 8.4]	4.5	[3.5, 5.6]	0.4	[0.2, 0.8]	3.2	[2.4, 4.4]	100.0

Note: Total n is less than universe N due to item non-response.

2.14 Q: The amount I pay for the Healthy Michigan Plan is affordable.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,034)	24.0	[21.0, 27.3]	60.1	[56.3, 63.7]	8.4	[6.5, 10.8]	3.5	[2.3, 5.3]	0.3	[0.1, 1.0]	3.7	[2.3, 6.0]	100.0
36-49 (n=695)	29.1	[25.0, 33.5]	60.9	[56.3, 65.3]	5.2	[3.6, 7.5]	3.1	[2.0, 4.9]	0.2	[0.0, 0.9]	1.5	[0.8, 2.9]	100.0
50-64 (n=869)	29.8	[26.2, 33.6]	60.6	[56.6, 64.5]	3.0	[1.9, 4.9]	3.0	[1.9, 4.6]	0.1	[0.0, 0.5]	3.5	[2.2, 5.5]	100.0
Pearson: Uncorrected chi2(10) =	36.5264												
Design-based F(9.11, 23557.00) =	2.9330	Pr =	0.002										
Gender													
Female (n=1,544)	27.0	[24.4, 29.9]	61.3	[58.3, 64.3]	5.6	[4.3, 7.2]	3.0	[2.2, 4.1]	0.3	[0.1, 0.8]	2.7	[1.8, 4.1]	100.0
Male (n=1,054)	26.3	[23.2, 29.6]	59.5	[55.7, 63.2]	7.1	[5.3, 9.4]	3.5	[2.3, 5.4]	0.1	[0.0, 1.0]	3.5	[2.2, 5.6]	100.0
Pearson: Uncorrected chi2(5) =	5.1877												
Design-based F(4.93, 12739.27) =	0.6204	Pr =	0.682										
Race/ethnicity													
White, non-Hispanic (n=1,693)	30.1	[27.4, 33.0]	59.8	[56.8, 62.7]	5.3	[4.0, 6.9]	2.7	[1.7, 4.2]	0.1	[0.0, 0.4]	2.0	[1.3, 3.1]	100.0
Black, non-Hispanic (n=422)	20.9	[16.6, 25.9]	67.3	[61.7, 72.4]	4.7	[3.0, 7.2]	4.0	[2.5, 6.4]	0.4	[0.1, 1.6]	2.8	[1.2, 6.6]	100.0
Hispanic (n=169)	30.6	[23.0, 39.5]	55.6	[46.5, 64.4]	3.7	[1.2, 10.9]	3.7	[1.7, 8.0]	0.0		6.3	[2.9, 13.2]	100.0
Other, non-Hispanic (n=248)	22.3	[16.5, 29.4]	56.2	[48.6, 63.6]	11.1	[7.1, 17.0]	4.3	[2.4, 7.8]	0.0		6.1	[2.9, 12.4]	100.0
Pearson: Uncorrected chi2(15) =	68.7942												
Design-based F(13.54, 34132.79) =	2.6883	Pr =	0.001										
FPL category													
0-35% (n=959)	27.1	[23.9, 30.6]	60.9	[57.1, 64.7]	5.2	[3.7, 7.4]	2.6	[1.6, 4.4]	0.0		4.1	[2.7, 6.2]	100.0
36-99% (n=945)	28.1	[25.0, 31.4]	60.0	[56.5, 63.5]	7.0	[5.3, 9.3]	2.5	[1.6, 4.0]	0.1	[0.0, 0.4]	2.2	[1.3, 3.7]	100.0
100%+ (n=694)	23.3	[19.9, 27.0]	59.3	[55.0, 63.5]	8.6	[6.2, 11.7]	6.2	[4.5, 8.6]	1.0	[0.3, 2.7]	1.7	[0.9, 3.2]	100.0
Pearson: Uncorrected chi2(10) =	52.4888												
Design-based F(8.79, 22731.73) =	4.2205	Pr =	0.000										
Region													
UP/NW/NE (n=517)	29.6	[25.4, 34.2]	63.4	[58.6, 67.9]	4.5	[2.7, 7.6]	1.0	[0.5, 2.1]	0.1	[0.0, 0.8]	1.3	[0.5, 3.1]	100.0
W/E Central/E (n=769)	28.7	[25.3, 32.5]	60.2	[56.2, 64.1]	5.1	[3.4, 7.5]	2.7	[1.7, 4.2]	0.2	[0.1, 0.9]	3.1	[1.9, 5.1]	100.0
S Central/SW/SE (n=522)	27.2	[23.1, 31.8]	60.9	[55.9, 65.7]	5.8	[3.8, 8.9]	3.8	[2.2, 6.5]	0.4	[0.1, 2.2]	1.8	[0.9, 3.7]	100.0
Detroit Metro (n=790)	24.5	[21.0, 28.4]	59.7	[55.4, 63.8]	7.7	[5.8, 10.3]	3.9	[2.5, 5.8]	0.1	[0.0, 0.8]	4.1	[2.5, 6.6]	100.0
Pearson: Uncorrected chi2(15) =	27.6322												
Design-based F(12.61, 32604.10) =	1.5395	Pr =	0.098										
Chronic condition (2018 survey or DW)													
Yes (n=1,643)	28.6	[25.9, 31.4]	59.5	[56.4, 62.5]	5.2	[3.8, 7.0]	3.5	[2.6, 4.6]	0.1	[0.0, 0.4]	3.2	[2.2, 4.6]	100.0
No (n=955)	23.8	[20.6, 27.3]	61.8	[57.8, 65.6]	8.1	[6.2, 10.4]	3.0	[1.7, 5.2]	0.4	[0.1, 1.2]	3.0	[1.6, 5.5]	100.0
Pearson: Uncorrected chi2(5) =	16.6170												
Design-based F(4.58, 11846.70) =	1.8594	Pr =	0.105										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	30.7	[24.8, 37.4]	56.1	[49.0, 63.0]	5.5	[2.4, 12.3]	4.5	[2.3, 8.5]	0.1	[0.0, 0.9]	3.1	[1.4, 6.6]	100.0
Mental health condition (n=943)	30.1	[26.5, 33.9]	60.7	[56.7, 64.5]	4.8	[3.3, 7.2]	2.2	[1.4, 3.5]	0.3	[0.1, 1.3]	1.9	[1.1, 3.1]	100.0
Substance use disorder (n=99)	26.2	[17.5, 37.3]	63.2	[51.3, 73.7]	5.9	[1.8, 18.0]	2.4	[0.7, 8.3]	0.0		2.2	[0.4, 10.8]	100.0
None (n=1,255)	23.4	[20.6, 26.4]	61.1	[57.6, 64.5]	7.6	[6.0, 9.5]	3.7	[2.5, 5.5]	0.2	[0.0, 0.6]	4.0	[2.6, 6.2]	100.0
Pearson: Uncorrected chi2(15) =	33.4001												
Design-based F(13.07, 33789.56) =	1.4320	Pr =	0.135										
Total (n=2,598)	26.7	[24.6, 28.8]	60.4	[58.0, 62.8]	6.3	[5.2, 7.7]	3.3	[2.5, 4.3]	0.2	[0.1, 0.5]	3.1	[2.3, 4.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.15 Q: There is a limit on the total amount I have to pay each year for Healthy Michigan Plan insurance.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,032)	4.9	[3.4, 6.9]	38.7	[35.0, 42.5]	22.6	[19.7, 25.7]	10.1	[7.9, 12.8]	1.0	[0.5, 1.9]	22.8	[19.9, 26.0]	100.0
36-49 (n=695)	9.2	[6.7, 12.5]	32.5	[28.3, 37.0]	11.9	[9.3, 15.1]	13.8	[10.6, 17.7]	1.3	[0.6, 2.9]	31.3	[27.2, 35.6]	100.0
50-64 (n=867)	7.8	[6.0, 10.1]	35.9	[32.1, 40.0]	8.0	[6.1, 10.5]	10.9	[8.4, 13.9]	1.6	[0.7, 3.4]	35.8	[32.1, 39.7]	100.0
Pearson: Uncorrected chi2(10) =	118.3436												
Design-based F(9.61, 24818.58) =	7.9783	Pr =	0.000										
Gender													
Female (n=1,542)	5.5	[4.2, 7.2]	32.7	[29.8, 35.7]	16.9	[14.6, 19.4]	11.9	[10.0, 14.2]	1.3	[0.8, 2.3]	31.7	[29.0, 34.5]	100.0
Male (n=1,052)	7.8	[6.0, 10.0]	40.1	[36.4, 43.9]	16.1	[13.6, 18.9]	10.5	[8.2, 13.4]	1.1	[0.6, 2.1]	24.4	[21.4, 27.7]	100.0
Pearson: Uncorrected chi2(5) =	28.3786												
Design-based F(4.95, 12782.87) =	3.4921	Pr =	0.004										
Race/ethnicity													
White, non-Hispanic (n=1,691)	7.5	[6.0, 9.5]	36.3	[33.4, 39.3]	17.1	[15.0, 19.5]	6.9	[5.4, 8.9]	1.3	[0.7, 2.2]	30.8	[28.2, 33.5]	100.0
Black, non-Hispanic (n=421)	5.8	[3.7, 8.9]	39.5	[33.8, 45.5]	13.8	[10.3, 18.4]	21.9	[17.2, 27.5]	1.5	[0.6, 3.4]	17.5	[13.7, 22.1]	100.0
Hispanic (n=169)	8.3	[4.6, 14.7]	30.5	[22.6, 39.7]	17.1	[11.1, 25.4]	7.0	[3.8, 12.6]	2.2	[0.7, 6.6]	34.9	[26.9, 43.9]	100.0
Other, non-Hispanic (n=247)	4.1	[2.0, 8.3]	35.6	[28.7, 43.1]	17.7	[12.8, 24.0]	13.0	[9.1, 18.3]	0.4	[0.0, 2.5]	29.2	[22.5, 36.9]	100.0
Pearson: Uncorrected chi2(15) =	132.1702												
Design-based F(14.65, 36858.16) =	5.3835	Pr =	0.000										
FPL category													
0-35% (n=958)	7.7	[5.9, 10.0]	37.9	[34.2, 41.8]	13.6	[11.2, 16.5]	13.1	[10.6, 16.1]	1.6	[0.9, 2.7]	26.0	[22.9, 29.4]	100.0
36-99% (n=944)	5.7	[4.3, 7.5]	35.7	[32.4, 39.2]	19.7	[16.9, 22.9]	9.5	[7.5, 11.8]	1.3	[0.7, 2.5]	28.1	[25.1, 31.4]	100.0
100%+ (n=692)	5.2	[3.6, 7.4]	33.2	[29.3, 37.3]	20.1	[16.6, 24.0]	8.1	[6.0, 10.9]	0.0		33.5	[29.7, 37.5]	100.0
Pearson: Uncorrected chi2(10) =	47.7421												
Design-based F(9.44, 24374.20) =	3.8878	Pr =	0.000										
Region													
UP/NW/NE (n=517)	7.4	[5.1, 10.5]	36.7	[32.2, 41.5]	15.3	[12.1, 19.2]	6.5	[4.4, 9.5]	0.7	[0.2, 2.9]	33.4	[29.1, 38.0]	100.0
W/E Central/E (n=768)	7.7	[5.8, 10.2]	34.2	[30.5, 38.2]	17.6	[14.6, 21.0]	7.8	[5.9, 10.3]	1.4	[0.7, 2.7]	31.2	[27.7, 35.1]	100.0
S Central/SW/SE (n=521)	3.6	[2.2, 5.8]	37.1	[32.4, 42.2]	18.8	[15.1, 23.1]	10.4	[7.4, 14.3]	1.7	[0.7, 3.7]	28.4	[24.4, 32.9]	100.0
Detroit Metro (n=788)	7.2	[5.3, 9.9]	37.4	[33.3, 41.8]	15.0	[12.2, 18.2]	14.6	[11.8, 18.1]	1.0	[0.5, 2.2]	24.7	[21.2, 28.5]	100.0
Pearson: Uncorrected chi2(15) =	49.9740												
Design-based F(13.44, 34710.06) =	2.6571	Pr =	0.001										
Chronic condition (2018 survey or DW)													
Yes (n=1,640)	8.0	[6.4, 9.8]	33.6	[30.7, 36.7]	13.9	[12.0, 16.1]	13.2	[11.1, 15.7]	1.4	[0.9, 2.4]	29.8	[27.2, 32.6]	100.0
No (n=954)	4.7	[3.2, 6.8]	40.7	[36.7, 44.7]	20.2	[17.3, 23.6]	8.2	[6.2, 10.8]	0.9	[0.4, 1.9]	25.2	[22.0, 28.8]	100.0
Pearson: Uncorrected chi2(5) =	53.3902												
Design-based F(4.96, 12794.38) =	6.4197	Pr =	0.000										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	8.7	[5.5, 13.5]	39.4	[32.5, 46.6]	8.9	[6.0, 13.0]	15.8	[11.2, 22.0]	3.3	[1.4, 7.2]	24.0	[18.8, 30.0]	100.0
Mental health condition (n=940)	7.0	[5.0, 9.8]	31.1	[27.6, 34.9]	19.7	[16.6, 23.2]	10.4	[8.1, 13.3]	0.8	[0.4, 1.8]	30.9	[27.5, 34.5]	100.0
Substance use disorder (n=99)	7.9	[3.7, 16.2]	46.9	[35.4, 58.8]	8.3	[3.4, 18.8]	18.7	[10.8, 30.3]	1.1	[0.2, 7.4]	17.1	[10.9, 25.8]	100.0
None (n=1,254)	5.8	[4.5, 7.6]	38.4	[35.0, 42.0]	16.8	[14.4, 19.5]	10.0	[7.9, 12.7]	1.0	[0.5, 1.8]	27.9	[24.9, 31.2]	100.0
Pearson: Uncorrected chi2(15) =	71.4900												
Design-based F(14.51, 37469.84) =	3.1522	Pr =	0.000										
Total (n=2,594)	6.7	[5.5, 8.0]	36.4	[34.1, 38.9]	16.5	[14.7, 18.3]	11.2	[9.7, 13.0]	1.2	[0.8, 1.9]	28.0	[25.9, 30.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.16 Q: Having the Healthy Michigan Plan has taken a lot of stress off me.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		HMP has taken a lot of stress off me Neutral		Disagree		Strongly disagree		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,021)	26.3	[23.2, 29.7]	59.6	[56.0, 63.2]	8.6	[6.8, 10.8]	4.9	[3.7, 6.6]	0.6	[0.3, 1.2]	100.0
36-49 (n=691)	36.3	[31.9, 40.9]	53.8	[49.1, 58.4]	4.4	[3.1, 6.2]	4.7	[3.2, 6.9]	0.8	[0.4, 1.8]	100.0
50-64 (n=862)	41.0	[37.1, 45.1]	52.4	[48.3, 56.4]	3.1	[2.1, 4.7]	3.4	[2.1, 5.2]	0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(8) =	67.0140										
Design-based F(7.54, 19324.10) =	7.2644	Pr =	0.000								
Gender											
Female (n=1,531)	33.5	[30.7, 36.4]	56.4	[53.4, 59.5]	5.2	[4.0, 6.7]	4.2	[3.2, 5.6]	0.6	[0.3, 1.2]	100.0
Male (n=1,043)	31.2	[27.8, 34.8]	56.4	[52.6, 60.1]	7.2	[5.6, 9.2]	4.7	[3.5, 6.4]	0.4	[0.2, 1.0]	100.0
Pearson: Uncorrected chi2(4) =	6.2855										
Design-based F(3.92, 10052.46) =	1.1609	Pr =	0.326								
Race/ethnicity											
White, non-Hispanic (n=1,685)	36.3	[33.5, 39.3]	52.3	[49.3, 55.3]	6.1	[4.9, 7.6]	4.7	[3.5, 6.2]	0.6	[0.3, 1.2]	100.0
Black, non-Hispanic (n=416)	26.9	[22.3, 32.1]	64.9	[59.4, 70.2]	3.8	[2.1, 6.8]	3.8	[2.3, 6.2]	0.5	[0.1, 1.8]	100.0
Hispanic (n=167)	29.2	[21.6, 38.1]	54.5	[45.3, 63.4]	9.9	[5.6, 16.9]	6.4	[3.4, 11.8]	0.0		100.0
Other, non-Hispanic (n=239)	29.4	[22.8, 36.9]	58.8	[51.1, 66.1]	7.7	[4.6, 12.8]	3.6	[1.9, 6.7]	0.5	[0.1, 3.4]	100.0
Pearson: Uncorrected chi2(12) =	39.4791										
Design-based F(11.59, 28929.03) =	2.2267	Pr =	0.009								
FPL category											
0-35% (n=945)	34.5	[31.0, 38.2]	58.0	[54.2, 61.7]	3.5	[2.3, 5.3]	3.8	[2.6, 5.4]	0.2	[0.1, 0.8]	100.0
36-99% (n=941)	29.3	[26.2, 32.6]	55.3	[51.7, 58.9]	9.4	[7.4, 11.8]	5.0	[3.6, 6.8]	1.0	[0.5, 2.2]	100.0
100%+ (n=688)	30.3	[26.6, 34.3]	53.5	[49.2, 57.8]	9.7	[7.2, 12.9]	5.9	[4.0, 8.5]	0.6	[0.2, 1.6]	100.0
Pearson: Uncorrected chi2(8) =	52.6024										
Design-based F(7.45, 19093.00) =	5.3989	Pr =	0.000								
Region											
UP/NW/NE (n=518)	35.7	[31.3, 40.4]	55.4	[50.5, 60.1]	5.4	[3.3, 8.6]	3.0	[1.8, 5.0]	0.5	[0.1, 2.6]	100.0
W/E Central/E (n=759)	34.4	[30.7, 38.3]	53.5	[49.5, 57.6]	6.1	[4.4, 8.5]	5.2	[3.6, 7.3]	0.7	[0.3, 1.5]	100.0
S Central/SW/SE (n=518)	36.6	[31.9, 41.6]	52.4	[47.3, 57.4]	7.2	[4.9, 10.5]	3.3	[1.9, 5.7]	0.5	[0.1, 2.2]	100.0
Detroit Metro (n=779)	28.4	[24.7, 32.4]	60.2	[56.0, 64.3]	6.1	[4.5, 8.1]	4.9	[3.6, 6.8]	0.4	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(12) =	21.7718										
Design-based F(10.88, 27887.11) =	1.5611	Pr =	0.104								
Chronic condition (2018 survey or DW)											
Yes (n=1,627)	34.9	[32.1, 37.9]	54.3	[51.2, 57.3]	5.7	[4.5, 7.3]	4.5	[3.4, 5.9]	0.5	[0.3, 1.1]	100.0
No (n=947)	28.5	[25.0, 32.2]	59.6	[55.7, 63.4]	7.0	[5.3, 9.1]	4.5	[3.2, 6.2]	0.5	[0.2, 1.1]	100.0
Pearson: Uncorrected chi2(4) =	12.6447										
Design-based F(3.89, 9967.65) =	2.2972	Pr =	0.058								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=297)	38.4	[31.8, 45.4]	55.0	[47.9, 61.9]	3.0	[1.4, 6.2]	3.4	[1.7, 6.9]	0.2	[0.0, 1.5]	100.0
Mental health condition (n=933)	37.6	[33.8, 41.6]	52.2	[48.2, 56.2]	5.6	[3.9, 7.8]	4.0	[2.8, 5.8]	0.6	[0.3, 1.5]	100.0
Substance use disorder (n=100)	31.1	[21.2, 43.0]	58.8	[47.0, 69.6]	4.3	[1.8, 9.6]	5.9	[2.4, 13.8]	0.0		100.0
None (n=1,244)	27.4	[24.5, 30.6]	59.4	[55.9, 62.8]	7.7	[6.1, 9.6]	5.0	[3.7, 6.6]	0.5	[0.3, 1.2]	100.0
Pearson: Uncorrected chi2(12) =	40.1136										
Design-based F(11.40, 29213.80) =	2.6008	Pr =	0.002								
Total (n=2,574)	32.3	[30.1, 34.6]	56.4	[54.0, 58.8]	6.2	[5.2, 7.5]	4.5	[3.6, 5.5]	0.5	[0.3, 0.9]	100.0

Note: Total n is less than universe N due to item non-response.

2.17 Q: Without the Healthy Michigan Plan, I wouldn't be able to go to the doctor.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,023)	23.9	[21.0, 27.1]	54.0	[50.2, 57.7]	7.5	[5.7, 9.6]	13.0	[10.6, 15.9]	1.6	[0.8, 3.1]	100.0
36-49 (n=689)	38.5	[34.0, 43.1]	46.0	[41.4, 50.6]	4.1	[2.3, 7.1]	10.6	[7.8, 14.1]	0.9	[0.2, 3.6]	100.0
50-64 (n=865)	40.2	[36.3, 44.3]	46.3	[42.3, 50.4]	3.3	[2.2, 5.1]	9.9	[7.6, 12.7]	0.3	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(8) =	84.5029										
Design-based F(6.97, 17880.50) =	6.4810		Pr =	0.000							
Gender											
Female (n=1,535)	34.6	[31.8, 37.6]	51.1	[48.1, 54.2]	4.5	[3.5, 5.8]	9.0	[7.5, 10.8]	0.7	[0.3, 1.5]	100.0
Male (n=1,042)	28.4	[25.2, 31.8]	49.1	[45.3, 53.0]	6.7	[4.9, 9.1]	14.3	[11.7, 17.3]	1.5	[0.7, 3.2]	100.0
Pearson: Uncorrected chi2(4) =	33.0416										
Design-based F(3.97, 10187.58) =	5.0932		Pr =	0.000							
Race/ethnicity											
White, non-Hispanic (n=1,683)	34.8	[32.0, 37.7]	48.5	[45.5, 51.5]	4.8	[3.8, 6.2]	11.0	[9.2, 13.2]	0.9	[0.5, 1.7]	100.0
Black, non-Hispanic (n=417)	23.8	[19.4, 28.8]	55.9	[49.9, 61.7]	6.8	[4.1, 11.3]	12.2	[8.6, 16.9]	1.3	[0.3, 5.5]	100.0
Hispanic (n=167)	30.5	[22.9, 39.3]	45.9	[37.1, 54.9]	9.9	[4.7, 19.7]	11.1	[6.6, 18.3]	2.6	[0.5, 13.2]	100.0
Other, non-Hispanic (n=243)	33.7	[26.9, 41.2]	49.3	[41.8, 56.9]	4.0	[2.2, 7.0]	12.7	[8.4, 18.8]	0.3	[0.0, 2.1]	100.0
Pearson: Uncorrected chi2(12) =	39.2832										
Design-based F(10.46, 26133.26) =	1.6548		Pr =	0.081							
FPL category											
0-35% (n=953)	33.1	[29.7, 36.6]	50.2	[46.3, 54.0]	4.7	[3.2, 6.9]	10.8	[8.4, 13.7]	1.2	[0.5, 2.9]	100.0
36-99% (n=938)	29.9	[26.7, 33.3]	50.8	[47.2, 54.3]	6.1	[4.6, 8.1]	12.1	[9.9, 14.8]	1.1	[0.5, 2.2]	100.0
100%+ (n=686)	29.0	[25.4, 32.9]	49.1	[44.8, 53.4]	7.5	[5.4, 10.4]	13.6	[10.8, 16.9]	0.8	[0.3, 2.2]	100.0
Pearson: Uncorrected chi2(8) =	11.2643										
Design-based F(7.29, 18688.78) =	1.0319		Pr =	0.407							
Region											
UP/NW/NE (n=517)	35.9	[31.5, 40.7]	46.6	[41.8, 51.5]	7.9	[5.4, 11.6]	9.5	[7.2, 12.5]	0.0		100.0
W/E Central/E (n=761)	33.4	[29.8, 37.3]	50.1	[46.0, 54.2]	4.9	[3.4, 7.0]	10.7	[8.4, 13.6]	0.8	[0.4, 1.9]	100.0
S Central/SW/SE (n=519)	33.5	[29.0, 38.3]	47.9	[42.8, 52.9]	5.0	[3.2, 7.7]	12.1	[9.1, 15.9]	1.6	[0.6, 3.7]	100.0
Detroit Metro (n=780)	28.4	[24.8, 32.4]	51.9	[47.5, 56.2]	5.9	[4.0, 8.5]	12.5	[9.8, 15.9]	1.3	[0.5, 3.3]	100.0
Pearson: Uncorrected chi2(12) =	18.1508										
Design-based F(9.75, 24999.89) =	1.0400		Pr =	0.406							
Chronic condition (2018 survey or DW)											
Yes (n=1,629)	35.2	[32.4, 38.1]	49.2	[46.1, 52.4]	4.3	[3.1, 5.8]	10.0	[8.3, 12.2]	1.3	[0.6, 2.7]	100.0
No (n=948)	25.9	[22.7, 29.5]	51.4	[47.4, 55.5]	7.7	[5.7, 10.2]	14.1	[11.4, 17.3]	0.9	[0.4, 1.9]	100.0
Pearson: Uncorrected chi2(4) =	39.5089										
Design-based F(3.98, 10209.98) =	5.5806		Pr =	0.000							
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=299)	37.9	[31.4, 44.9]	51.1	[44.0, 58.1]	1.6	[0.7, 3.5]	9.0	[5.2, 15.1]	0.4	[0.1, 2.8]	100.0
Mental health condition (n=933)	37.0	[33.2, 40.9]	47.3	[43.3, 51.4]	5.1	[3.4, 7.7]	9.9	[7.9, 12.5]	0.6	[0.2, 1.8]	100.0
Substance use disorder (n=100)	25.0	[16.2, 36.4]	60.3	[48.5, 71.0]	2.9	[0.8, 10.0]	10.9	[5.6, 20.2]	0.9	[0.1, 5.9]	100.0
None (n=1,245)	26.7	[23.9, 29.8]	50.9	[47.3, 54.5]	7.2	[5.5, 9.3]	13.5	[11.1, 16.4]	1.6	[0.8, 3.3]	100.0
Pearson: Uncorrected chi2(12) =	57.8077										
Design-based F(11.23, 28808.23) =	3.2092		Pr =	0.000							
Total (n=2,577)	31.5	[29.3, 33.7]	50.1	[47.7, 52.6]	5.6	[4.5, 6.9]	11.7	[10.1, 13.4]	1.1	[0.6, 2.0]	100.0

Note: Total n is less than universe N due to item non-response.

2.18 Q: Without the Healthy Michigan Plan, I wouldn't be able to go to the dentist.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,035)	22.7	[19.8, 25.9]	52.3	[48.5, 56.0]	8.9	[7.2, 11.0]	11.9	[9.9, 14.2]	2.5	[1.3, 4.5]	1.8	[1.0, 3.1]	100.0
36-49 (n=695)	31.6	[27.4, 36.0]	47.9	[43.3, 52.6]	4.9	[3.1, 7.6]	10.0	[7.4, 13.3]	1.4	[0.5, 3.6]	4.3	[2.7, 6.7]	100.0
50-64 (n=865)	33.7	[29.9, 37.6]	50.2	[46.1, 54.3]	4.3	[3.0, 6.3]	8.4	[6.5, 10.8]	0.6	[0.2, 1.6]	2.8	[1.8, 4.3]	100.0
Pearson: Uncorrected chi2(10) =	68.0111												
Design-based F(9.13, 23590.06) =	4.5585		Pr =	0.000									
Gender													
Female (n=1,543)	30.0	[27.2, 32.8]	49.4	[46.3, 52.5]	6.6	[5.3, 8.2]	10.8	[9.1, 12.7]	1.0	[0.5, 1.7]	2.4	[1.6, 3.4]	100.0
Male (n=1,052)	25.2	[22.1, 28.5]	52.0	[48.2, 55.7]	7.0	[5.4, 9.1]	10.4	[8.4, 12.8]	2.5	[1.3, 4.7]	2.9	[1.9, 4.5]	100.0
Pearson: Uncorrected chi2(5) =	16.2491												
Design-based F(4.96, 12813.32) =	2.0881		Pr =	0.064									
Race/ethnicity													
White, non-Hispanic (n=1,693)	28.7	[26.1, 31.4]	49.7	[46.7, 52.8]	7.2	[5.8, 8.8]	10.0	[8.5, 11.8]	1.5	[0.8, 2.7]	2.9	[2.0, 4.2]	100.0
Black, non-Hispanic (n=419)	23.5	[19.1, 28.7]	56.3	[50.3, 62.1]	5.1	[2.9, 8.7]	10.5	[7.4, 14.8]	2.4	[0.8, 7.1]	2.1	[0.9, 4.6]	100.0
Hispanic (n=168)	32.1	[24.4, 41.0]	42.9	[34.2, 52.1]	8.7	[4.9, 15.1]	11.0	[6.4, 18.3]	2.6	[0.5, 13.1]	2.6	[1.0, 6.5]	100.0
Other, non-Hispanic (n=248)	29.3	[22.9, 36.6]	46.3	[38.9, 53.9]	7.3	[4.7, 11.1]	13.7	[9.5, 19.2]	0.7	[0.2, 3.0]	2.7	[1.0, 6.8]	100.0
Pearson: Uncorrected chi2(15) =	25.5208												
Design-based F(13.06, 32859.32) =	0.9013		Pr =	0.551									
FPL category													
0-35% (n=954)	29.7	[26.4, 33.2]	53.1	[49.2, 56.9]	4.9	[3.5, 6.8]	7.8	[6.0, 10.0]	2.0	[1.0, 4.2]	2.6	[1.7, 4.1]	100.0
36-99% (n=947)	24.5	[21.5, 27.6]	48.1	[44.5, 51.7]	8.1	[6.4, 10.2]	14.2	[11.8, 17.0]	2.1	[1.2, 3.4]	3.1	[2.0, 4.9]	100.0
100%+ (n=694)	25.7	[22.2, 29.4]	47.5	[43.2, 51.8]	10.7	[8.1, 13.9]	13.6	[10.9, 16.8]	0.5	[0.2, 1.5]	2.1	[1.2, 3.7]	100.0
Pearson: Uncorrected chi2(10) =	58.2959												
Design-based F(9.04, 23358.97) =	4.5019		Pr =	0.000									
Region													
UP/NW/NE (n=517)	32.6	[28.3, 37.3]	48.6	[43.8, 53.5]	8.2	[5.6, 11.6]	9.2	[6.9, 12.0]	0.3	[0.1, 1.2]	1.1	[0.5, 2.7]	100.0
W/E Central/E (n=768)	29.2	[25.7, 33.0]	49.9	[45.9, 54.0]	6.7	[4.9, 9.0]	9.4	[7.3, 11.9]	1.3	[0.6, 2.5]	3.6	[2.2, 5.6]	100.0
S Central/SW/SE (n=521)	29.0	[24.7, 33.8]	50.9	[45.8, 55.9]	5.2	[3.5, 7.7]	11.7	[8.8, 15.3]	1.5	[0.6, 3.6]	1.7	[0.8, 3.7]	100.0
Detroit Metro (n=789)	24.8	[21.3, 28.6]	51.5	[47.2, 55.8]	7.4	[5.5, 9.8]	11.1	[8.9, 13.8]	2.4	[1.2, 5.0]	2.8	[1.8, 4.4]	100.0
Pearson: Uncorrected chi2(15) =	25.3821												
Design-based F(12.63, 32625.22) =	1.4000		Pr =	0.153									
Chronic condition (2018 survey or DW)													
Yes (n=1,639)	29.8	[27.2, 32.6]	51.9	[48.8, 55.0]	5.0	[3.9, 6.4]	8.9	[7.4, 10.7]	1.7	[1.0, 3.1]	2.6	[1.8, 3.9]	100.0
No (n=956)	24.1	[20.8, 27.6]	48.9	[44.9, 52.9]	9.6	[7.6, 12.0]	13.1	[10.7, 15.8]	1.8	[0.8, 4.2]	2.6	[1.7, 4.2]	100.0
Pearson: Uncorrected chi2(5) =	37.9036												
Design-based F(4.46, 11526.73) =	4.0809		Pr =	0.002									
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=300)	33.1	[26.8, 40.0]	53.2	[46.2, 60.2]	3.6	[1.8, 6.9]	7.3	[4.6, 11.5]	0.9	[0.3, 2.9]	1.9	[0.7, 4.9]	100.0
Mental health condition (n=941)	31.1	[27.5, 35.0]	50.8	[46.8, 54.8]	5.8	[4.2, 7.8]	8.4	[6.6, 10.5]	1.1	[0.5, 2.3]	2.9	[1.8, 4.4]	100.0
Substance use disorder (n=99)	21.7	[13.4, 33.2]	58.9	[47.1, 69.7]	4.4	[1.5, 12.0]	12.4	[6.9, 21.1]	0.0		2.7	[0.8, 8.5]	100.0
None (n=1,255)	24.2	[21.4, 27.2]	49.4	[45.8, 53.0]	8.5	[6.8, 10.6]	12.7	[10.6, 15.2]	2.5	[1.3, 4.7]	2.7	[1.7, 4.2]	100.0
Pearson: Uncorrected chi2(15) =	53.0324												
Design-based F(13.78, 35585.80) =	2.3855		Pr =	0.003									
Total (n=2,595)	27.5	[25.4, 29.7]	50.7	[48.2, 53.1]	6.8	[5.7, 8.1]	10.6	[9.2, 12.1]	1.7	[1.1, 2.9]	2.6	[2.0, 3.5]	100.0

Note: Total n is less than universe N due to item non-response.

2.19   Q: I worry about not being able to get the health care I need if my Healthy Michigan Plan insurance ends.

Universe: All respondents (N=2,602)

| | Worry about not getting care without HMP | | | | | | | | | | Total |
| | Strongly agree | | Agree | | Neutral | | Disagree | | Strongly disagree | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,026)	27.0	[23.8, 30.4]	48.8	[45.0, 52.6]	8.5	[6.7, 10.7]	14.7	[12.1, 17.6]	1.1	[0.6, 2.0]	100.0
36-49 (n=695)	40.5	[36.1, 45.2]	45.3	[40.7, 49.9]	3.8	[2.2, 6.6]	8.2	[5.9, 11.3]	2.2	[1.1, 4.2]	100.0
50-64 (n=864)	45.2	[41.2, 49.3]	46.2	[42.2, 50.3]	2.0	[1.1, 3.4]	6.1	[4.4, 8.5]	0.5	[0.2, 1.1]	100.0
Pearson: Uncorrected chi2(8) =	127.7215										
Design-based F(7.34, 18885.29) =	11.4674		Pr =	0.000							
Gender											
Female (n=1,538)	39.0	[36.1, 42.1]	45.9	[42.9, 49.0]	5.3	[4.0, 7.0]	8.7	[7.1, 10.5]	1.1	[0.7, 1.9]	100.0
Male (n=1,047)	30.6	[27.3, 34.1]	48.6	[44.8, 52.4]	6.2	[4.6, 8.3]	13.3	[10.8, 16.3]	1.3	[0.7, 2.5]	100.0
Pearson: Uncorrected chi2(4) =	28.2499										
Design-based F(3.98, 10247.82) =	4.4726		Pr =	0.001							
Race/ethnicity											
White, non-Hispanic (n=1,691)	37.7	[34.8, 40.6]	46.6	[43.6, 49.6]	5.1	[3.9, 6.6]	9.4	[7.8, 11.4]	1.2	[0.8, 1.9]	100.0
Black, non-Hispanic (n=419)	28.4	[23.6, 33.7]	52.1	[46.1, 57.9]	5.3	[3.1, 9.0]	12.7	[9.2, 17.3]	1.5	[0.6, 3.7]	100.0
Hispanic (n=168)	34.3	[26.4, 43.2]	38.7	[30.6, 47.5]	7.9	[3.9, 15.3]	18.8	[11.6, 29.1]	0.4	[0.1, 2.5]	100.0
Other, non-Hispanic (n=241)	35.9	[29.0, 43.4]	47.5	[40.0, 55.2]	6.8	[3.9, 11.6]	8.4	[5.4, 12.7]	1.4	[0.3, 7.0]	100.0
Pearson: Uncorrected chi2(12) =	37.4779										
Design-based F(11.03, 27655.16) =	1.7612		Pr =	0.055							
FPL category											
0-35% (n=955)	36.5	[33.0, 40.2]	46.2	[42.4, 50.1]	4.7	[3.3, 6.8]	11.4	[9.0, 14.3]	1.1	[0.5, 2.2]	100.0
36-99% (n=940)	31.8	[28.6, 35.2]	48.9	[45.3, 52.5]	6.6	[4.9, 8.8]	11.1	[9.0, 13.7]	1.6	[0.9, 2.8]	100.0
100%+ (n=690)	33.6	[29.7, 37.6]	48.1	[43.9, 52.4]	7.5	[5.3, 10.6]	9.7	[7.4, 12.7]	1.1	[0.5, 2.3]	100.0
Pearson: Uncorrected chi2(8) =	11.9319										
Design-based F(7.47, 19210.50) =	1.1479		Pr =	0.329							
Region											
UP/NW/NE (n=517)	37.8	[33.3, 42.5]	47.1	[42.3, 52.0]	3.4	[1.9, 6.2]	11.0	[8.0, 14.8]	0.7	[0.3, 1.7]	100.0
W/E Central/E (n=765)	35.9	[32.2, 39.8]	46.8	[42.8, 50.9]	5.9	[4.1, 8.4]	10.1	[7.9, 12.9]	1.2	[0.6, 2.5]	100.0
S Central/SW/SE (n=521)	36.2	[31.6, 41.2]	45.6	[40.6, 50.6]	4.7	[3.0, 7.2]	12.6	[9.5, 16.7]	0.8	[0.3, 2.1]	100.0
Detroit Metro (n=782)	32.7	[28.8, 36.8]	48.4	[44.1, 52.8]	6.7	[4.8, 9.1]	10.8	[8.2, 14.1]	1.4	[0.7, 2.8]	100.0
Pearson: Uncorrected chi2(12) =	11.4887										
Design-based F(10.38, 26714.00) =	0.7805		Pr =	0.653							
Chronic condition (2018 survey or DW)											
Yes (n=1,634)	37.5	[34.7, 40.5]	47.1	[44.0, 50.2]	3.7	[2.6, 5.1]	10.4	[8.4, 12.8]	1.3	[0.8, 2.2]	100.0
No (n=951)	30.6	[27.0, 34.4]	47.6	[43.6, 51.7]	8.9	[6.9, 11.4]	11.9	[9.6, 14.7]	1.0	[0.5, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	39.8997										
Design-based F(3.99, 10255.96) =	5.8981		Pr =	0.000							
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=299)	40.9	[34.2, 47.9]	44.1	[37.2, 51.2]	0.8	[0.3, 2.6]	12.2	[7.7, 18.8]	2.0	[0.6, 6.3]	100.0
Mental health condition (n=941)	41.8	[38.0, 45.8]	42.0	[38.1, 46.0]	4.1	[2.7, 6.2]	11.4	[9.0, 14.3]	0.6	[0.3, 1.6]	100.0
Substance use disorder (n=99)	27.7	[18.5, 39.4]	52.8	[41.0, 64.2]	3.9	[1.3, 11.4]	12.5	[6.5, 22.8]	3.0	[0.7, 11.8]	100.0
None (n=1,246)	29.0	[26.0, 32.2]	51.2	[47.6, 54.8]	8.2	[6.4, 10.5]	10.3	[8.2, 12.9]	1.2	[0.7, 2.1]	100.0
Pearson: Uncorrected chi2(12) =	80.5494										
Design-based F(11.42, 29394.14) =	4.2578		Pr =	0.000							
Total (n=2,585)	34.7	[32.5, 37.1]	47.3	[44.8, 49.8]	5.8	[4.7, 7.1]	11.0	[9.5, 12.8]	1.2	[0.8, 1.8]	100.0

Note: Total n is less than universe N due to item non-response.

2.20 Q: Since you've been enrolled in the Healthy Michigan Plan, have you had any questions or problems using your Healthy Michigan Plan insurance?

Universe: All respondents (N=2,602)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,031)	15.3	[12.8, 18.1]	84.7	[81.9, 87.2]	100.0
36-49 (n=693)	16.8	[13.7, 20.3]	83.2	[79.7, 86.3]	100.0
50-64 (n=867)	21.2	[17.9, 24.8]	78.8	[75.2, 82.1]	100.0
Pearson: Uncorrected chi2(2) =	10.2652				
Design-based F(1.97, 5074.34) =	3.6992	Pr =	0.025		
Gender					
Female (n=1,542)	16.7	[14.6, 19.0]	83.3	[81.0, 85.4]	100.0
Male (n=1,049)	17.3	[14.7, 20.3]	82.7	[79.7, 85.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1876				
Design-based F(1.00, 2579.00) =	0.1263	Pr =	0.722		
Race/ethnicity					
White, non-Hispanic (n=1,691)	19.2	[17.0, 21.6]	80.8	[78.4, 83.0]	100.0
Black, non-Hispanic (n=419)	11.9	[8.7, 16.2]	88.1	[83.8, 91.3]	100.0
Hispanic (n=167)	14.7	[9.5, 22.1]	85.3	[77.9, 90.5]	100.0
Other, non-Hispanic (n=247)	13.9	[9.6, 19.8]	86.1	[80.2, 90.4]	100.0
Pearson: Uncorrected chi2(3) =	18.0858				
Design-based F(2.97, 7458.27) =	3.6509	Pr =	0.012		
FPL category					
0-35% (n=957)	16.6	[14.0, 19.6]	83.4	[80.4, 86.0]	100.0
36-99% (n=942)	15.9	[13.5, 18.6]	84.1	[81.4, 86.5]	100.0
100%+ (n=692)	19.9	[16.6, 23.7]	80.1	[76.3, 83.4]	100.0
Pearson: Uncorrected chi2(2) =	3.7100				
Design-based F(1.91, 4932.46) =	1.5689	Pr =	0.209		
Region					
UP/NW/NE (n=518)	15.6	[12.4, 19.5]	84.4	[80.5, 87.6]	100.0
W/E Central/E (n=767)	18.1	[15.2, 21.4]	81.9	[78.6, 84.8]	100.0
S Central/SW/SE (n=521)	17.7	[14.2, 21.8]	82.3	[78.2, 85.8]	100.0
Detroit Metro (n=785)	16.4	[13.5, 19.6]	83.6	[80.4, 86.5]	100.0
Pearson: Uncorrected chi2(3) =	1.4222				
Design-based F(2.67, 6887.70) =	0.3979	Pr =	0.731		
Chronic condition (2018 survey or DW)					
Yes (n=1,638)	18.5	[16.3, 21.0]	81.5	[79.0, 83.7]	100.0
No (n=953)	14.8	[12.3, 17.7]	85.2	[82.3, 87.7]	100.0
Pearson: Uncorrected chi2(1) =	6.3265				
Design-based F(1.00, 2579.00) =	4.1316	Pr =	0.042		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	17.8	[13.0, 23.8]	82.2	[76.2, 87.0]	100.0
Mental health condition (n=940)	20.4	[17.5, 23.6]	79.6	[76.4, 82.5]	100.0
Substance use disorder (n=99)	12.7	[6.7, 22.7]	87.3	[77.3, 93.3]	100.0
None (n=1,251)	14.9	[12.6, 17.6]	85.1	[82.4, 87.4]	100.0
Pearson: Uncorrected chi2(3) =	12.3770				
Design-based F(2.98, 7697.02) =	2.7393	Pr =	0.042		
Total (n=2,591)	17.0	[15.3, 18.9]	83.0	[81.1, 84.7]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

2.21 Summary: Since you've been enrolled in the Healthy Michigan Plan, have you had any questions or problems using your Healthy Michigan Plan insurance?

Universe: All respondents (N=2,602)

Questions/problems using HMP	Weighted Proportion	95% CI
Yes (n=456)	17.0	[15.3, 18.8]
No (n=2,135)	82.7	[80.8, 84.4]
Not applicable (n=7)	0.3	[0.1, 0.8]

Note: Total n is less than universe N due to item non-response.

2.21.1 Q: What kind of questions or difficulties did you have?

Universe: Respondents who had questions or problems using their Healthy Michigan Plan insurance (N=456)

Kind of questions or difficulties with HMP	Weighted Proportion	95% CI
Difficulty/inability finding a provider (n=198)	43.3	[37.8, 48.9]
Cost/insurance plan wouldn't cover services needed (n=165)	35.0	[29.6, 40.7]
Difficulty finding out information (n=59)	15.0	[11.2, 19.8]
Charged incorrectly/too much (n=29)	5.8	[3.7, 8.8]
Problem with Medicaid/HMP ID card (n=12)	3.2	[1.6, 6.2]
Trouble making payments (n=12)	2.4	[1.2, 5.0]
Disenrolled/declared ineligible but don't know why (n=13)	2.3	[1.2, 4.1]
Eligibility/administrative error by DHHS (n=11)	2.3	[1.1, 4.4]
Difficulty completing re-enrollment materials (n=7)	1.9	[0.8, 4.2]
Transportation/logistics (n=7)	1.8	[0.7, 4.5]
Difficulty getting appointment (n=5)	1.6	[0.6, 4.2]
Case worker difficulties/difficult to reach (n=7)	1.3	[0.6, 2.9]
Inaccurate information from/problem with Medicaid Health Plan (n=8)	1.0	[0.5, 2.0]
Other (n=4)	0.5	[0.2, 1.6]
Problem with information being requested (n=1)	0.2	[0.0, 1.3]

Note: Respondents were able to provide multiple responses.

2.22 Q: Doctors treat people on Medicaid the same as people with private insurance.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,035)	9.1	[7.3, 11.2]	43.3	[39.6, 47.1]	13.4	[11.0, 16.2]	20.4	[17.6, 23.6]	5.3	[3.8, 7.3]	8.5	[6.5, 11.0]	100.0
36-49 (n=695)	10.3	[7.8, 13.6]	33.6	[29.6, 38.0]	11.9	[9.2, 15.4]	29.4	[25.2, 33.9]	5.9	[3.9, 8.9]	8.8	[6.4, 11.9]	100.0
50-64 (n=869)	13.8	[11.3, 16.8]	42.9	[38.9, 46.9]	9.1	[7.0, 11.8]	18.0	[15.0, 21.3]	6.2	[4.5, 8.6]	10.0	[7.8, 12.7]	100.0
Pearson: Uncorrected chi2(10) =	50.4263												
Design-based F(9.68, 25038.83) =	3.3842	Pr =	0.000										
Gender													
Female (n=1,546)	11.6	[9.9, 13.6]	43.3	[40.3, 46.4]	10.3	[8.5, 12.5]	22.1	[19.7, 24.8]	4.1	[3.2, 5.4]	8.4	[6.8, 10.4]	100.0
Male (n=1,053)	9.4	[7.5, 11.8]	38.2	[34.6, 41.9]	13.7	[11.3, 16.5]	22.1	[19.1, 25.5]	7.2	[5.4, 9.5]	9.4	[7.3, 11.9]	100.0
Pearson: Uncorrected chi2(5) =	24.7084												
Design-based F(4.98, 12881.91) =	3.1079	Pr =	0.008										
Race/ethnicity													
White, non-Hispanic (n=1,693)	11.4	[9.8, 13.3]	44.5	[41.5, 47.5]	12.2	[10.3, 14.6]	20.5	[18.1, 23.0]	5.1	[3.9, 6.7]	6.3	[5.1, 7.9]	100.0
Black, non-Hispanic (n=422)	8.5	[5.7, 12.4]	36.6	[31.1, 42.5]	11.0	[7.8, 15.2]	26.7	[21.7, 32.5]	5.1	[3.1, 8.5]	12.1	[8.8, 16.4]	100.0
Hispanic (n=169)	11.9	[7.6, 18.3]	37.6	[29.1, 46.9]	10.7	[6.4, 17.4]	23.1	[16.0, 32.1]	5.5	[2.8, 10.5]	11.2	[6.6, 18.3]	100.0
Other, non-Hispanic (n=248)	10.4	[6.8, 15.6]	35.7	[28.9, 43.1]	13.8	[9.3, 20.0]	19.5	[14.7, 25.3]	8.8	[5.1, 14.8]	11.8	[7.2, 18.8]	100.0
Pearson: Uncorrected chi2(15) =	51.8247												
Design-based F(14.52, 36589.18) =	1.9849	Pr =	0.014										
FPL category													
0-35% (n=959)	10.2	[8.2, 12.7]	39.6	[35.8, 43.4]	11.8	[9.5, 14.7]	22.2	[19.1, 25.7]	6.4	[4.8, 8.6]	9.7	[7.6, 12.3]	100.0
36-99% (n=946)	10.7	[8.8, 13.0]	43.3	[39.8, 46.9]	9.9	[8.0, 12.2]	23.1	[20.3, 26.3]	4.3	[3.1, 5.9]	8.6	[6.7, 11.1]	100.0
100%+ (n=694)	10.9	[8.5, 13.9]	40.6	[36.5, 44.8]	15.6	[12.5, 19.2]	20.5	[17.3, 24.1]	5.5	[3.7, 8.0]	7.0	[5.2, 9.4]	100.0
Pearson: Uncorrected chi2(10) =	17.2110												
Design-based F(9.42, 24356.70) =	1.4190	Pr =	0.170										
Region													
UP/NW/NE (n=516)	11.3	[8.7, 14.5]	44.0	[39.2, 48.8]	13.3	[10.0, 17.3]	19.8	[16.3, 23.8]	3.2	[1.8, 5.7]	8.5	[6.1, 11.7]	100.0
W/E Central/E (n=770)	14.6	[11.9, 17.8]	40.9	[37.0, 45.0]	11.3	[8.9, 14.1]	21.6	[18.5, 25.1]	5.9	[4.3, 8.1]	5.6	[4.0, 7.9]	100.0
S Central/SW/SE (n=523)	7.6	[5.5, 10.4]	42.2	[37.4, 47.3]	15.4	[12.0, 19.7]	19.7	[16.1, 23.9]	5.7	[3.7, 8.7]	9.3	[6.6, 13.0]	100.0
Detroit Metro (n=790)	9.1	[7.0, 11.8]	39.3	[35.2, 43.6]	10.7	[8.2, 13.9]	24.0	[20.5, 27.9]	6.0	[4.2, 8.5]	10.8	[8.4, 13.8]	100.0
Pearson: Uncorrected chi2(15) =	46.1823												
Design-based F(13.15, 34024.38) =	2.4393	Pr =	0.003										
Chronic condition (2018 survey or DW)													
Yes (n=1,643)	10.8	[9.1, 12.7]	39.7	[36.8, 42.7]	11.6	[9.6, 13.9]	22.6	[20.1, 25.3]	5.8	[4.6, 7.4]	9.5	[7.8, 11.5]	100.0
No (n=956)	10.1	[8.0, 12.6]	42.3	[38.3, 46.3]	12.7	[10.3, 15.5]	21.5	[18.4, 24.9]	5.5	[3.8, 7.9]	8.0	[6.0, 10.7]	100.0
Pearson: Uncorrected chi2(5) =	3.8091												
Design-based F(4.97, 12847.33) =	0.4431	Pr =	0.817										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=300)	10.9	[7.4, 15.9]	35.6	[29.2, 42.5]	9.5	[6.2, 14.3]	28.0	[21.8, 35.1]	9.5	[5.8, 15.0]	6.5	[4.1, 10.2]	100.0
Mental health condition (n=943)	11.0	[8.8, 13.7]	40.1	[36.3, 44.1]	11.5	[9.2, 14.3]	22.8	[19.6, 26.4]	5.4	[3.8, 7.5]	9.1	[6.9, 12.0]	100.0
Substance use disorder (n=100)	8.3	[3.8, 17.2]	36.9	[26.6, 48.5]	11.5	[5.9, 21.3]	28.0	[18.6, 39.8]	5.1	[1.3, 18.7]	10.2	[5.2, 19.2]	100.0
None (n=1,256)	10.2	[8.4, 12.4]	42.7	[39.2, 46.3]	13.1	[10.7, 15.8]	19.8	[17.1, 22.8]	5.0	[3.6, 6.8]	9.2	[7.3, 11.6]	100.0
Pearson: Uncorrected chi2(15) =	29.8480												
Design-based F(14.39, 37235.62) =	1.2307	Pr =	0.242										
Total (n=2,599)	10.5	[9.2, 12.0]	40.7	[38.4, 43.2]	12.0	[10.5, 13.8]	22.1	[20.2, 24.3]	5.7	[4.6, 7.0]	8.9	[7.5, 10.5]	100.0

Header spanning: **Doctors treat people with Medicaid and private insurance the same**

Note: Total n is less than universe N due to item non-response.

2.23 Q: Medicaid helps people get a "leg-up" when they really need it.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,036)	20.3	[17.4, 23.6]	65.8	[62.1, 69.3]	6.9	[5.2, 9.1]	3.3	[2.3, 4.7]	0.1	[0.0, 0.8]	3.6	[2.3, 5.4]	100.0
36-49 (n=695)	24.6	[20.8, 29.0]	64.1	[59.5, 68.5]	3.7	[2.5, 5.4]	4.8	[3.0, 7.6]	0.4	[0.1, 1.2]	2.3	[1.4, 3.9]	100.0
50-64 (n=870)	26.6	[23.1, 30.3]	65.2	[61.2, 68.9]	2.7	[1.7, 4.1]	2.3	[1.4, 3.7]	1.0	[0.4, 2.2]	2.4	[1.4, 4.0]	100.0
Pearson: Uncorrected chi2(10) =	43.9385												
Design-based F(9.47, 24514.10) =	3.4259		Pr =	0.000									
Gender													
Female (n=1,547)	22.1	[19.7, 24.8]	66.4	[63.4, 69.2]	4.7	[3.5, 6.2]	3.4	[2.5, 4.6]	0.3	[0.1, 0.9]	3.0	[2.1, 4.3]	100.0
Male (n=1,054)	23.6	[20.5, 27.0]	64.0	[60.3, 67.6]	5.5	[4.1, 7.5]	3.5	[2.3, 5.2]	0.4	[0.2, 1.0]	2.9	[1.8, 4.7]	100.0
Pearson: Uncorrected chi2(5) =	2.2006												
Design-based F(4.88, 12624.31) =	0.2876		Pr =	0.917									
Race/ethnicity													
White, non-Hispanic (n=1,695)	26.5	[23.8, 29.4]	63.3	[60.3, 66.3]	5.2	[4.0, 6.6]	2.9	[2.1, 4.0]	0.4	[0.2, 0.9]	1.7	[1.1, 2.4]	100.0
Black, non-Hispanic (n=422)	18.8	[14.9, 23.5]	68.8	[63.3, 73.9]	3.3	[1.7, 6.2]	5.2	[3.1, 8.7]	0.1	[0.0, 0.7]	3.7	[2.1, 6.6]	100.0
Hispanic (n=169)	21.4	[15.1, 29.4]	58.8	[49.5, 67.5]	9.3	[4.3, 19.1]	4.7	[2.2, 9.7]	0.8	[0.1, 5.4]	5.0	[2.4, 10.2]	100.0
Other, non-Hispanic (n=248)	17.6	[12.7, 23.9]	67.0	[59.5, 73.8]	6.2	[3.4, 10.8]	2.2	[0.9, 5.5]	0.6	[0.1, 2.8]	6.4	[3.0, 13.0]	100.0
Pearson: Uncorrected chi2(15) =	65.0528												
Design-based F(13.65, 34435.18) =	2.6705		Pr =	0.001									
FPL category													
0-35% (n=959)	24.2	[21.0, 27.6]	64.7	[60.9, 68.3]	4.4	[3.0, 6.4]	3.3	[2.2, 5.0]	0.5	[0.2, 1.2]	2.9	[1.8, 4.7]	100.0
36-99% (n=947)	21.3	[18.5, 24.3]	66.6	[63.2, 69.9]	5.4	[4.0, 7.2]	3.1	[2.0, 4.6]	0.2	[0.0, 0.8]	3.4	[2.2, 5.2]	100.0
100%+ (n=695)	21.5	[18.2, 25.2]	64.7	[60.5, 68.7]	6.7	[4.8, 9.5]	4.4	[2.9, 6.6]	0.1	[0.0, 0.5]	2.5	[1.4, 4.2]	100.0
Pearson: Uncorrected chi2(10) =	11.6456												
Design-based F(8.79, 22758.07) =	1.0156		Pr =	0.424									
Region													
UP/NW/NE (n=518)	24.2	[20.3, 28.6]	63.9	[59.1, 68.5]	5.4	[3.5, 8.4]	1.5	[0.8, 2.8]	0.8	[0.2, 2.6]	4.2	[2.6, 6.7]	100.0
W/E Central/E (n=769)	23.4	[20.2, 27.1]	64.7	[60.7, 68.5]	5.0	[3.5, 7.1]	4.3	[3.0, 6.3]	0.3	[0.1, 1.4]	2.2	[1.3, 3.8]	100.0
S Central/SW/SE (n=523)	21.6	[17.8, 26.0]	64.2	[59.2, 68.9]	5.8	[3.8, 8.8]	4.4	[2.6, 7.2]	0.7	[0.2, 2.1]	3.3	[1.8, 6.0]	100.0
Detroit Metro (n=791)	22.9	[19.4, 26.8]	66.2	[62.0, 70.2]	4.8	[3.2, 7.1]	2.9	[1.8, 4.7]	0.2	[0.0, 0.8]	3.1	[1.8, 5.1]	100.0
Pearson: Uncorrected chi2(15) =	14.5508												
Design-based F(13.09, 33894.30) =	0.7783		Pr =	0.685									
Chronic condition (2018 survey or DW)													
Yes (n=1,644)	24.2	[21.6, 27.0]	65.1	[62.0, 68.0]	4.3	[3.2, 5.8]	3.8	[2.8, 5.2]	0.4	[0.2, 0.9]	2.3	[1.6, 3.3]	100.0
No (n=957)	21.0	[17.9, 24.4]	65.4	[61.5, 69.1]	6.3	[4.7, 8.6]	2.9	[1.9, 4.4]	0.3	[0.1, 1.1]	4.0	[2.6, 6.2]	100.0
Pearson: Uncorrected chi2(5) =	15.7725												
Design-based F(4.90, 12695.81) =	2.0360		Pr =	0.072									
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	28.3	[22.3, 35.3]	62.9	[55.7, 69.5]	4.8	[2.4, 9.4]	2.4	[1.1, 5.3]	0.3	[0.0, 2.1]	1.3	[0.4, 3.8]	100.0
Mental health condition (n=944)	24.6	[21.3, 28.3]	62.9	[58.9, 66.7]	5.7	[3.9, 8.3]	3.8	[2.6, 5.5]	0.5	[0.2, 1.3]	2.5	[1.6, 4.0]	100.0
Substance use disorder (n=100)	22.9	[14.9, 33.3]	66.3	[54.8, 76.2]	3.7	[1.3, 10.0]	3.5	[0.9, 13.3]	0.0		3.5	[0.9, 12.8]	100.0
None (n=1,256)	20.4	[17.6, 23.4]	67.2	[63.8, 70.5]	4.9	[3.7, 6.5]	3.5	[2.3, 5.1]	0.4	[0.1, 0.9]	3.7	[2.4, 5.5]	100.0
Pearson: Uncorrected chi2(15) =	19.6603												
Design-based F(14.35, 37159.26) =	0.9041		Pr =	0.556									
Total (n=2,601)	22.9	[20.9, 25.0]	65.2	[62.8, 67.5]	5.1	[4.1, 6.3]	3.5	[2.7, 4.4]	0.4	[0.2, 0.7]	3.0	[2.2, 4.0]	100.0

Note: Total n is less than universe N due to item non-response.

2.24 Q: Many people on Medicaid do not want other people to know.

Universe: All respondents (N=2,602)

	People on Medicaid don't want others to know												
	Strongly agree		**Agree**		**Neutral**		**Disagree**		**Strongly disagree**		**Don't know**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,036)	6.9	[5.3, 9.0]	33.2	[29.8, 36.8]	18.7	[16.0, 21.7]	28.5	[25.1, 32.1]	2.5	[1.6, 3.9]	10.2	[8.1, 12.8]	100.0
36-49 (n=694)	8.3	[6.1, 11.2]	40.9	[36.4, 45.5]	12.5	[9.6, 16.0]	23.6	[19.7, 28.0]	2.2	[1.1, 4.3]	12.6	[9.9, 15.8]	100.0
50-64 (n=867)	10.3	[8.1, 13.0]	45.7	[41.6, 49.7]	11.8	[9.3, 14.7]	16.2	[13.3, 19.4]	1.9	[1.1, 3.5]	14.2	[11.6, 17.2]	100.0
Pearson: Uncorrected chi2(10) =	75.7234												
Design-based F(9.70, 25086.43) =	5.2572	Pr =	0.000										
Gender													
Female (n=1,544)	8.4	[7.0, 10.0]	36.0	[33.1, 39.0]	14.7	[12.7, 16.9]	25.8	[23.1, 28.8]	2.2	[1.4, 3.5]	12.8	[10.8, 15.1]	100.0
Male (n=1,053)	7.7	[5.9, 10.0]	40.0	[36.4, 43.8]	16.2	[13.6, 19.2]	22.9	[19.7, 26.5]	2.4	[1.5, 3.7]	10.7	[8.7, 13.2]	100.0
Pearson: Uncorrected chi2(5) =	8.9087												
Design-based F(4.97, 12848.02) =	1.1098	Pr =	0.353										
Race/ethnicity													
White, non-Hispanic (n=1,693)	9.2	[7.7, 11.0]	42.6	[39.6, 45.6]	17.0	[14.9, 19.3]	19.1	[16.6, 21.9]	1.9	[1.2, 3.0]	10.1	[8.5, 12.0]	100.0
Black, non-Hispanic (n=422)	5.9	[3.6, 9.7]	28.9	[23.8, 34.5]	12.8	[9.3, 17.4]	37.0	[31.4, 42.9]	4.3	[2.5, 7.2]	11.2	[8.1, 15.1]	100.0
Hispanic (n=168)	5.4	[2.7, 10.4]	32.5	[24.6, 41.6]	18.6	[12.0, 27.5]	26.1	[18.7, 35.1]	1.9	[0.7, 5.2]	15.5	[10.5, 22.4]	100.0
Other, non-Hispanic (n=247)	7.1	[4.2, 11.9]	34.7	[28.0, 42.0]	9.5	[6.1, 14.5]	28.3	[22.1, 35.4]	1.6	[0.5, 5.5]	18.7	[13.0, 26.2]	100.0
Pearson: Uncorrected chi2(15) =	127.4306												
Design-based F(14.45, 36383.59) =	4.9972	Pr =	0.000										
FPL category													
0-35% (n=956)	7.8	[6.0, 10.0]	36.4	[32.8, 40.1]	14.3	[11.8, 17.2]	27.2	[23.8, 30.9]	2.5	[1.6, 3.9]	11.9	[9.6, 14.5]	100.0
36-99% (n=947)	8.6	[6.8, 10.7]	38.2	[34.9, 41.7]	14.4	[12.1, 17.1]	23.1	[20.2, 26.4]	2.7	[1.6, 4.4]	12.9	[10.6, 15.6]	100.0
100%+ (n=694)	7.9	[6.0, 10.4]	42.7	[38.6, 47.0]	20.5	[17.1, 24.4]	17.8	[14.8, 21.3]	1.3	[0.6, 2.8]	9.8	[7.7, 12.5]	100.0
Pearson: Uncorrected chi2(10) =	32.9503												
Design-based F(9.48, 24501.94) =	2.7121	Pr =	0.003										
Region													
UP/NW/NE (n=517)	8.7	[6.5, 11.6]	46.1	[41.3, 50.9]	21.0	[17.0, 25.7]	13.9	[10.8, 17.7]	1.2	[0.4, 3.2]	9.1	[6.8, 12.1]	100.0
W/E Central/E (n=769)	10.3	[8.1, 12.9]	39.6	[35.7, 43.6]	16.8	[13.9, 20.2]	20.7	[17.6, 24.2]	2.7	[1.5, 4.8]	9.9	[7.8, 12.5]	100.0
S Central/SW/SE (n=522)	6.0	[4.2, 8.7]	42.2	[37.3, 47.2]	12.8	[9.9, 16.5]	24.5	[20.3, 29.3]	2.1	[1.1, 4.1]	12.3	[9.4, 16.1]	100.0
Detroit Metro (n=789)	7.4	[5.5, 9.9]	33.7	[29.7, 37.8]	14.7	[12.0, 18.0]	28.7	[24.8, 32.9]	2.4	[1.4, 3.9]	13.2	[10.6, 16.2]	100.0
Pearson: Uncorrected chi2(15) =	58.8447												
Design-based F(13.27, 34315.29) =	3.1916	Pr =	0.000										
Chronic condition (2018 survey or DW)													
Yes (n=1,641)	7.9	[6.5, 9.5]	38.6	[35.7, 41.6]	15.2	[13.0, 17.6]	23.8	[21.1, 26.7]	2.3	[1.6, 3.4]	12.2	[10.4, 14.2]	100.0
No (n=956)	8.2	[6.2, 10.8]	37.2	[33.5, 41.2]	16.0	[13.4, 18.9]	25.2	[21.7, 29.0]	2.3	[1.3, 3.9]	11.1	[8.8, 14.0]	100.0
Pearson: Uncorrected chi2(5) =	1.6972												
Design-based F(4.98, 12876.43) =	0.2038	Pr =	0.961										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=300)	8.9	[5.5, 14.2]	37.5	[31.0, 44.6]	12.1	[7.9, 17.9]	29.9	[23.8, 36.8]	2.3	[1.1, 5.0]	9.3	[6.3, 13.5]	100.0
Mental health condition (n=943)	9.7	[7.7, 12.2]	36.6	[32.9, 40.5]	18.2	[15.3, 21.6]	22.0	[18.7, 25.7]	2.4	[1.4, 4.2]	11.0	[8.9, 13.7]	100.0
Substance use disorder (n=100)	8.5	[3.9, 17.4]	42.8	[31.7, 54.8]	11.7	[6.1, 21.2]	23.4	[14.9, 34.9]	3.5	[0.9, 13.0]	10.0	[5.6, 17.4]	100.0
None (n=1,254)	6.7	[5.2, 8.5]	38.8	[35.4, 42.3]	14.8	[12.5, 17.4]	24.6	[21.5, 28.1]	2.2	[1.3, 3.4]	13.0	[10.7, 15.6]	100.0
Pearson: Uncorrected chi2(15) =	26.4817												
Design-based F(14.62, 37798.55) =	1.1573	Pr =	0.299										
Total (n=2,597)	8.0	[6.9, 9.4]	38.1	[35.7, 40.4]	15.5	[13.8, 17.3]	24.4	[22.2, 26.6]	2.3	[1.7, 3.2]	11.8	[10.3, 13.4]	100.0

Note: Total n is less than universe N due to item non-response.

2.25 Q: A lot of people in this country don't respect those on Medicaid.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,036)	9.9	[7.9, 12.4]	36.7	[33.2, 40.4]	18.0	[15.4, 21.0]	25.1	[21.9, 28.6]	1.6	[1.0, 2.7]	8.6	[6.6, 11.1]	100.0
36-49 (n=694)	12.3	[9.5, 15.7]	43.1	[38.6, 47.7]	11.1	[8.5, 14.4]	21.2	[17.5, 25.5]	0.9	[0.3, 2.2]	11.5	[8.8, 14.8]	100.0
50-64 (n=867)	14.5	[11.9, 17.7]	49.4	[45.4, 53.5]	10.2	[8.0, 12.8]	14.2	[11.7, 17.1]	1.1	[0.5, 2.4]	10.5	[8.4, 13.1]	100.0
Pearson: Uncorrected chi2(10) =	78.8067												
Design-based F(9.59, 24797.20) =	5.6743	Pr =	0.000										
Gender													
Female (n=1,543)	11.3	[9.7, 13.2]	42.1	[39.1, 45.1]	14.0	[12.0, 16.3]	21.3	[18.7, 24.1]	1.5	[0.9, 2.4]	9.8	[8.1, 11.8]	100.0
Male (n=1,054)	11.9	[9.6, 14.6]	40.6	[37.0, 44.3]	14.9	[12.4, 17.7]	21.8	[18.7, 25.2]	1.2	[0.6, 2.2]	9.7	[7.7, 12.2]	100.0
Pearson: Uncorrected chi2(5) =	1.4776												
Design-based F(4.97, 12838.51) =	0.1867	Pr =	0.967										
Race/ethnicity													
White, non-Hispanic (n=1,693)	12.0	[10.2, 14.1]	45.5	[42.5, 48.5]	15.5	[13.4, 17.9]	18.5	[16.1, 21.1]	1.1	[0.6, 1.8]	7.5	[6.2, 9.1]	100.0
Black, non-Hispanic (n=422)	10.9	[7.6, 15.3]	35.2	[29.8, 41.0]	12.5	[9.0, 17.2]	29.3	[24.2, 35.1]	2.0	[1.0, 3.7]	10.1	[7.0, 14.3]	100.0
Hispanic (n=168)	9.2	[5.5, 14.8]	38.0	[29.5, 47.4]	15.0	[10.0, 21.9]	22.8	[15.6, 32.0]	1.3	[0.4, 4.5]	13.8	[8.8, 21.0]	100.0
Other, non-Hispanic (n=248)	13.4	[9.0, 19.5]	30.2	[24.1, 37.2]	13.5	[9.4, 19.0]	24.2	[18.1, 31.5]	1.7	[0.5, 5.7]	16.9	[11.7, 23.9]	100.0
Pearson: Uncorrected chi2(15) =	79.5417												
Design-based F(14.33, 36095.84) =	3.1751	Pr =	0.000										
FPL category													
0-35% (n=958)	12.3	[10.0, 15.0]	41.6	[37.9, 45.4]	13.0	[10.6, 15.9]	22.1	[18.9, 25.6]	1.2	[0.6, 2.2]	9.9	[7.8, 12.5]	100.0
36-99% (n=946)	10.8	[8.8, 13.1]	39.3	[35.9, 42.8]	15.1	[12.7, 17.8]	22.2	[19.2, 25.4]	1.9	[1.0, 3.3]	10.8	[8.8, 13.4]	100.0
100%+ (n=693)	10.8	[8.4, 13.8]	43.5	[39.3, 47.7]	17.7	[14.6, 21.4]	19.2	[16.0, 22.8]	0.9	[0.4, 2.2]	7.9	[6.0, 10.3]	100.0
Pearson: Uncorrected chi2(10) =	14.7728												
Design-based F(9.42, 24358.08) =	1.2226	Pr =	0.273										
Region													
UP/NW/NE (n=516)	11.5	[8.8, 14.8]	46.1	[41.3, 50.9]	16.5	[13.0, 20.8]	16.5	[13.1, 20.7]	1.4	[0.6, 3.0]	8.0	[5.8, 10.8]	100.0
W/E Central/E (n=769)	13.7	[11.2, 16.7]	43.0	[39.1, 47.0]	15.3	[12.6, 18.5]	18.2	[15.2, 21.7]	1.2	[0.6, 2.3]	8.6	[6.6, 11.2]	100.0
S Central/SW/SE (n=522)	10.8	[8.1, 14.1]	48.4	[43.4, 53.4]	13.4	[10.2, 17.5]	16.1	[12.8, 20.0]	1.0	[0.4, 2.5]	10.3	[7.5, 14.0]	100.0
Detroit Metro (n=790)	10.7	[8.2, 13.7]	36.1	[32.1, 40.4]	13.9	[11.2, 17.1]	27.1	[23.3, 31.2]	1.5	[0.8, 2.8]	10.6	[8.3, 13.5]	100.0
Pearson: Uncorrected chi2(15) =	54.3931												
Design-based F(13.17, 34051.96) =	3.0102	Pr =	0.000										
Chronic condition (2018 survey or DW)													
Yes (n=1,640)	12.2	[10.4, 14.2]	42.4	[39.4, 45.4]	13.0	[11.0, 15.3]	20.9	[18.4, 23.7]	1.1	[0.7, 1.8]	10.4	[8.7, 12.4]	100.0
No (n=957)	10.7	[8.4, 13.6]	39.7	[35.9, 43.7]	16.6	[13.9, 19.6]	22.5	[19.3, 26.1]	1.6	[0.9, 3.0]	8.8	[6.7, 11.5]	100.0
Pearson: Uncorrected chi2(5) =	11.6129												
Design-based F(4.95, 12784.52) =	1.4102	Pr =	0.218										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	14.5	[10.2, 20.2]	44.9	[38.0, 52.0]	9.3	[6.1, 14.0]	20.2	[15.1, 26.4]	1.7	[0.7, 4.0]	9.4	[6.3, 13.9]	100.0
Mental health condition (n=942)	11.7	[9.5, 14.2]	45.4	[41.5, 49.4]	13.5	[11.1, 16.5]	20.0	[16.8, 23.7]	0.9	[0.4, 2.0]	8.4	[6.4, 10.9]	100.0
Substance use disorder (n=100)	12.7	[7.2, 21.3]	35.1	[24.9, 46.8]	11.3	[5.5, 21.6]	31.1	[21.0, 43.4]	2.2	[0.3, 13.7]	7.7	[4.0, 14.4]	100.0
None (n=1,254)	10.7	[8.7, 13.3]	38.2	[34.8, 41.6]	16.6	[14.1, 19.4]	22.2	[19.2, 25.5]	1.4	[0.8, 2.4]	10.9	[8.8, 13.5]	100.0
Pearson: Uncorrected chi2(15) =	34.5834												
Design-based F(14.47, 37399.74) =	1.5377	Pr =	0.086										
Total (n=2,597)	11.6	[10.1, 13.2]	41.3	[38.9, 43.7]	14.4	[12.8, 16.2]	21.6	[19.5, 23.7]	1.3	[0.9, 1.9]	9.8	[8.4, 11.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.26 Q: There should be a limit on how long someone can be covered by Medicaid.

Universe: All respondents (N=2,602)

| | There should be a limit on the length of Medicaid coverage | | | | | | | | | | | | Total |
| | Strongly agree | | Agree | | Neutral | | Disagree | | Strongly disagree | | Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,036)	1.5	[0.8, 2.6]	11.1	[8.9, 13.8]	14.2	[11.7, 17.2]	53.9	[50.1, 57.6]	13.4	[11.0, 16.4]	5.8	[4.3, 7.9]	100.0
36-49 (n=691)	1.6	[0.9, 2.9]	12.6	[9.7, 16.3]	8.9	[6.8, 11.7]	57.0	[52.4, 61.6]	13.1	[10.3, 16.7]	6.7	[4.8, 9.3]	100.0
50-64 (n=867)	1.5	[0.7, 3.1]	13.3	[10.8, 16.3]	11.7	[9.2, 14.7]	51.9	[47.8, 55.9]	15.8	[12.8, 19.2]	5.9	[4.4, 7.8]	100.0
Pearson: Uncorrected chi2(10) =	16.4274												
Design-based F(9.62, 24842.59) =	1.1713	Pr =	0.306										
Gender													
Female (n=1,542)	1.4	[0.8, 2.4]	10.5	[8.7, 12.5]	11.4	[9.7, 13.4]	56.5	[53.4, 59.5]	13.9	[11.9, 16.1]	6.4	[5.0, 8.1]	100.0
Male (n=1,052)	1.7	[1.0, 2.7]	13.5	[11.1, 16.4]	13.1	[10.6, 16.1]	52.0	[48.2, 55.8]	13.9	[11.4, 17.0]	5.8	[4.3, 7.7]	100.0
Pearson: Uncorrected chi2(5) =	9.5699												
Design-based F(4.98, 12850.89) =	1.2135	Pr =	0.300										
Race/ethnicity													
White, non-Hispanic (n=1,694)	1.6	[1.0, 2.5]	11.4	[9.7, 13.4]	14.4	[12.3, 16.8]	53.2	[50.2, 56.2]	13.9	[11.7, 16.4]	5.5	[4.4, 6.9]	100.0
Black, non-Hispanic (n=421)	1.5	[0.6, 3.8]	11.5	[8.1, 16.1]	7.8	[5.1, 11.8]	61.3	[55.4, 66.9]	14.1	[10.6, 18.4]	3.8	[2.3, 6.3]	100.0
Hispanic (n=168)	0.8	[0.2, 3.4]	13.8	[8.4, 21.9]	14.2	[9.4, 20.9]	45.6	[36.6, 54.8]	13.8	[8.8, 20.9]	11.8	[7.0, 19.1]	100.0
Other, non-Hispanic (n=248)	1.9	[0.7, 4.9]	15.6	[10.5, 22.6]	8.7	[5.3, 13.9]	48.8	[41.4, 56.3]	14.0	[9.5, 20.1]	11.0	[6.7, 17.4]	100.0
Pearson: Uncorrected chi2(15) =	59.7986												
Design-based F(14.36, 36168.02) =	2.3721	Pr =	0.002										
FPL category													
0-35% (n=957)	1.3	[0.7, 2.4]	13.3	[10.8, 16.2]	10.6	[8.3, 13.5]	54.3	[50.4, 58.1]	14.9	[12.3, 18.0]	5.6	[4.1, 7.5]	100.0
36-99% (n=944)	2.1	[1.3, 3.5]	10.6	[8.6, 13.1]	12.7	[10.5, 15.3]	54.3	[50.7, 57.9]	12.8	[10.6, 15.3]	7.4	[5.6, 9.8]	100.0
100%+ (n=693)	1.3	[0.5, 3.1]	10.3	[8.0, 13.1]	16.5	[13.6, 20.0]	53.9	[49.6, 58.1]	12.5	[9.8, 15.7]	5.5	[3.9, 7.8]	100.0
Pearson: Uncorrected chi2(10) =	22.3820												
Design-based F(9.46, 24436.94) =	1.7726	Pr =	0.064										
Region													
UP/NW/NE (n=518)	1.3	[0.6, 3.1]	12.2	[9.3, 15.9]	11.8	[8.9, 15.4]	57.0	[52.1, 61.8]	11.1	[8.4, 14.6]	6.5	[4.5, 9.3]	100.0
W/E Central/E (n=768)	1.6	[0.9, 2.8]	11.2	[8.9, 14.0]	13.3	[10.9, 16.3]	55.1	[51.1, 59.1]	13.3	[10.8, 16.3]	5.4	[3.7, 7.8]	100.0
S Central/SW/SE (n=520)	1.4	[0.5, 3.5]	10.7	[7.9, 14.5]	13.0	[9.8, 16.9]	55.0	[49.9, 60.0]	14.0	[10.9, 17.8]	5.9	[3.9, 8.8]	100.0
Detroit Metro (n=788)	1.6	[0.9, 2.9]	13.0	[10.4, 16.3]	11.5	[8.9, 14.7]	52.7	[48.4, 57.0]	14.8	[11.8, 18.3]	6.4	[4.8, 8.6]	100.0
Pearson: Uncorrected chi2(15) =	7.6601												
Design-based F(13.17, 34002.17) =	0.4091	Pr =	0.968										
Chronic condition (2018 survey or DW)													
Yes (n=1,639)	1.5	[0.9, 2.5]	11.7	[9.8, 13.8]	11.4	[9.5, 13.6]	54.4	[51.3, 57.5]	14.2	[12.1, 16.7]	6.7	[5.4, 8.4]	100.0
No (n=955)	1.5	[0.9, 2.6]	12.5	[10.0, 15.6]	13.6	[11.1, 16.6]	53.9	[49.8, 57.9]	13.4	[10.9, 16.4]	5.1	[3.7, 7.0]	100.0
Pearson: Uncorrected chi2(5) =	6.1398												
Design-based F(4.95, 12788.34) =	0.7550	Pr =	0.581										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=300)	0.8	[0.2, 3.8]	12.4	[8.4, 18.0]	9.4	[5.3, 15.9]	53.6	[46.4, 60.6]	18.4	[13.5, 24.6]	5.4	[3.3, 8.9]	100.0
Mental health condition (n=941)	2.0	[1.1, 3.6]	9.2	[7.3, 11.6]	11.5	[9.3, 14.2]	57.4	[53.4, 61.3]	14.6	[11.9, 17.8]	5.2	[3.6, 7.5]	100.0
Substance use disorder (n=100)	0.8	[0.1, 5.7]	9.7	[4.8, 18.5]	9.4	[4.4, 18.9]	62.3	[50.7, 72.7]	13.8	[7.5, 24.1]	3.9	[1.7, 8.9]	100.0
None (n=1,253)	1.4	[0.9, 2.4]	13.9	[11.5, 16.7]	13.8	[11.4, 16.5]	51.6	[48.0, 55.2]	12.3	[10.0, 15.1]	6.9	[5.4, 8.9]	100.0
Pearson: Uncorrected chi2(15) =	33.9547												
Design-based F(14.02, 36194.72) =	1.5148	Pr =	0.096										
Total (n=2,594)	1.5	[1.0, 2.2]	12.0	[10.5, 13.7]	12.3	[10.7, 14.0]	54.2	[51.7, 56.7]	13.9	[12.2, 15.8]	6.1	[5.0, 7.3]	100.0

Note: Total n is less than universe N due to item non-response.

2.27 Q: It is very important to me personally to have health insurance.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Having health insurance is important to me Neutral		Disagree		Strongly disagree		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,031)	37.1	[33.6, 40.8]	60.0	[56.3, 63.6]	2.2	[1.4, 3.6]	0.6	[0.3, 1.1]	0.0	[0.0, 0.3]	100.0
36-49 (n=690)	47.0	[42.3, 51.6]	50.4	[45.8, 55.1]	1.7	[0.7, 3.9]	0.9	[0.4, 2.4]	0.0		100.0
50-64 (n=866)	47.6	[43.6, 51.7]	50.2	[46.1, 54.3]	1.1	[0.6, 2.1]	1.0	[0.4, 2.4]	0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(8) =	32.2990										
Design-based F(7.02, 18083.80) =	3.3724	Pr =	0.001								
Gender											
Female (n=1,539)	44.5	[41.4, 47.5]	54.1	[51.0, 57.1]	0.8	[0.4, 1.5]	0.5	[0.2, 1.2]	0.1	[0.0, 0.4]	100.0
Male (n=1,048)	39.8	[36.1, 43.5]	56.4	[52.6, 60.1]	2.8	[1.9, 4.4]	1.0	[0.5, 1.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	21.8062										
Design-based F(3.68, 9488.56) =	4.6356	Pr =	0.001								
Race/ethnicity											
White, non-Hispanic (n=1,690)	44.4	[41.4, 47.4]	52.9	[49.9, 55.9]	1.9	[1.2, 3.0]	0.7	[0.4, 1.4]	0.0	[0.0, 0.3]	100.0
Black, non-Hispanic (n=416)	37.9	[32.4, 43.8]	60.1	[54.2, 65.7]	0.8	[0.2, 2.8]	1.1	[0.4, 2.7]	0.1	[0.0, 0.9]	100.0
Hispanic (n=169)	39.9	[31.4, 49.0]	57.8	[48.7, 66.4]	1.5	[0.5, 4.1]	0.8	[0.1, 5.6]	0.0		100.0
Other, non-Hispanic (n=246)	40.8	[33.7, 48.3]	55.3	[47.8, 62.6]	3.4	[1.3, 8.4]	0.5	[0.1, 2.0]	0.0		100.0
Pearson: Uncorrected chi2(12) =	18.2887										
Design-based F(10.52, 26385.20) =	1.0992	Pr =	0.358								
FPL category											
0-35% (n=956)	43.1	[39.3, 46.9]	54.7	[50.9, 58.5]	1.4	[0.7, 2.8]	0.8	[0.4, 1.6]	0.0		100.0
36-99% (n=939)	39.7	[36.2, 43.2]	57.1	[53.5, 60.6]	2.3	[1.3, 3.9]	0.8	[0.4, 1.7]	0.1	[0.0, 0.6]	100.0
100%+ (n=692)	42.6	[38.4, 46.9]	54.3	[50.0, 58.5]	2.4	[1.4, 4.1]	0.6	[0.2, 1.5]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(8) =	6.9249										
Design-based F(6.98, 17986.23) =	0.8099	Pr =	0.579								
Region											
UP/NW/NE (n=515)	40.0	[35.4, 44.8]	57.5	[52.6, 62.2]	1.7	[0.8, 3.4]	0.8	[0.3, 2.4]	0.0		100.0
W/E Central/E (n=768)	43.4	[39.5, 47.4]	53.5	[49.5, 57.5]	2.1	[1.1, 4.0]	0.9	[0.3, 2.2]	0.1	[0.0, 0.6]	100.0
S Central/SW/SE (n=520)	44.7	[39.8, 49.8]	52.2	[47.2, 57.2]	1.8	[0.9, 3.5]	1.2	[0.5, 3.1]	0.0		100.0
Detroit Metro (n=784)	40.5	[36.3, 44.8]	57.3	[53.0, 61.5]	1.7	[0.9, 3.3]	0.4	[0.2, 1.0]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(12) =	8.6809										
Design-based F(9.54, 24571.09) =	0.7175	Pr =	0.702								
Chronic condition (2018 survey or DW)											
Yes (n=1,633)	44.9	[41.8, 47.9]	53.5	[50.5, 56.6]	0.9	[0.5, 1.5]	0.7	[0.4, 1.3]	0.0		100.0
No (n=954)	37.9	[34.1, 41.9]	57.9	[53.9, 61.8]	3.2	[2.0, 5.1]	0.9	[0.4, 1.8]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(4) =	29.3016										
Design-based F(3.68, 9465.84) =	6.1043	Pr =	0.000								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=300)	48.2	[41.2, 55.3]	51.0	[43.9, 58.0]	0.2	[0.0, 1.1]	0.7	[0.1, 3.1]	0.0		100.0
Mental health condition (n=939)	46.5	[42.5, 50.5]	51.7	[47.7, 55.7]	1.3	[0.6, 2.8]	0.4	[0.2, 1.1]	0.1	[0.0, 0.6]	100.0
Substance use disorder (n=99)	40.4	[29.5, 52.2]	54.4	[42.6, 65.7]	0.0		5.2	[1.7, 15.2]	0.0		100.0
None (n=1,249)	37.8	[34.4, 41.3]	58.8	[55.2, 62.2]	2.8	[1.8, 4.2]	0.6	[0.3, 1.2]	0.0	[0.0, 0.3]	100.0
Pearson: Uncorrected chi2(12) =	61.9268										
Design-based F(10.69, 27522.24) =	4.0507	Pr =	0.000								
Total (n=2,587)	42.1	[39.7, 44.5]	55.3	[52.8, 57.7]	1.8	[1.3, 2.6]	0.8	[0.5, 1.2]	0.1	[0.0, 0.2]	100.0

Note: Total n is less than universe N due to item non-response.

2.28 Q: Getting discounts on copays and premiums as a reward for healthy behavior is a good idea.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,035)	23.9	[20.8, 27.2]	58.8	[55.1, 62.5]	8.5	[6.7, 10.7]	4.9	[3.5, 6.9]	0.9	[0.5, 1.7]	3.1	[1.9, 4.9]	100.0
36-49 (n=695)	26.3	[22.3, 30.7]	61.5	[56.9, 65.9]	2.9	[1.9, 4.5]	5.5	[3.8, 8.0]	0.5	[0.1, 1.4]	3.4	[2.2, 5.2]	100.0
50-64 (n=868)	29.8	[26.1, 33.7]	61.3	[57.2, 65.2]	3.6	[2.3, 5.5]	2.1	[1.2, 3.6]	0.5	[0.2, 1.4]	2.7	[1.6, 4.6]	100.0
Pearson: Uncorrected chi2(10) =	48.8954												
Design-based F(9.43, 24388.42) =	3.7613	Pr =	0.000										
Gender													
Female (n=1,544)	24.0	[21.5, 26.7]	60.4	[57.4, 63.4]	6.7	[5.2, 8.5]	4.4	[3.3, 5.8]	0.9	[0.5, 1.6]	3.6	[2.6, 5.1]	100.0
Male (n=1,054)	27.6	[24.3, 31.2]	59.8	[56.0, 63.4]	5.2	[3.8, 7.0]	4.5	[3.0, 6.5]	0.5	[0.2, 1.1]	2.5	[1.5, 4.2]	100.0
Pearson: Uncorrected chi2(5) =	9.9107												
Design-based F(4.86, 12564.88) =	1.2267	Pr =	0.294										
Race/ethnicity													
White, non-Hispanic (n=1,694)	28.3	[25.6, 31.2]	60.1	[57.1, 63.0]	5.3	[4.1, 6.8]	3.6	[2.5, 5.2]	0.7	[0.4, 1.3]	2.0	[1.4, 3.0]	100.0
Black, non-Hispanic (n=422)	21.6	[17.0, 27.0]	60.7	[54.8, 66.3]	6.0	[3.7, 9.5]	6.9	[4.6, 10.1]	0.2	[0.0, 1.6]	4.7	[2.7, 7.9]	100.0
Hispanic (n=168)	21.8	[15.6, 29.5]	60.2	[51.2, 68.6]	8.4	[4.4, 15.5]	4.1	[1.7, 9.4]	0.5	[0.1, 3.2]	5.1	[2.3, 10.6]	100.0
Other, non-Hispanic (n=247)	26.0	[20.0, 32.9]	58.3	[50.7, 65.5]	7.0	[4.1, 11.7]	3.8	[1.9, 7.5]	1.0	[0.3, 3.1]	4.0	[1.4, 10.7]	100.0
Pearson: Uncorrected chi2(15) =	37.8222												
Design-based F(13.60, 34257.14) =	1.5308	Pr =	0.094										
FPL category													
0-35% (n=958)	26.5	[23.2, 30.0]	59.8	[56.0, 63.6]	4.8	[3.4, 6.8]	5.3	[3.8, 7.3]	0.4	[0.2, 1.1]	3.2	[2.0, 5.0]	100.0
36-99% (n=945)	25.3	[22.3, 28.5]	59.5	[55.9, 63.0]	7.6	[5.8, 9.8]	2.9	[1.9, 4.3]	0.9	[0.4, 1.9]	3.9	[2.6, 5.7]	100.0
100%+ (n=695)	24.9	[21.4, 28.8]	61.5	[57.3, 65.6]	6.8	[4.8, 9.5]	4.1	[2.6, 6.4]	1.2	[0.5, 2.7]	1.5	[0.8, 2.9]	100.0
Pearson: Uncorrected chi2(10) =	22.1937												
Design-based F(9.43, 24398.38) =	1.7936	Pr =	0.060										
Region													
UP/NW/NE (n=517)	26.1	[22.1, 30.6]	63.1	[58.2, 67.6]	5.1	[3.4, 7.6]	3.4	[1.9, 6.1]	0.7	[0.2, 2.9]	1.6	[0.8, 3.4]	100.0
W/E Central/E (n=769)	26.6	[23.2, 30.4]	61.7	[57.6, 65.5]	4.8	[3.2, 7.0]	4.3	[2.9, 6.4]	0.9	[0.4, 1.8]	1.7	[0.9, 3.0]	100.0
S Central/SW/SE (n=522)	24.7	[20.6, 29.2]	59.1	[54.0, 63.9]	6.6	[4.4, 9.8]	4.2	[2.4, 7.4]	0.9	[0.3, 2.6]	4.5	[2.7, 7.4]	100.0
Detroit Metro (n=790)	25.9	[22.2, 29.8]	59.0	[54.6, 63.1]	6.5	[4.8, 8.7]	4.8	[3.3, 6.9]	0.4	[0.2, 1.2]	3.5	[2.2, 5.6]	100.0
Pearson: Uncorrected chi2(15) =	17.6072												
Design-based F(13.24, 34234.32) =	0.9438	Pr =	0.507										
Chronic condition (2018 survey or DW)													
Yes (n=1,641)	26.1	[23.5, 28.9]	60.2	[57.2, 63.2]	5.3	[4.1, 6.8]	4.9	[3.6, 6.5]	0.7	[0.4, 1.2]	2.9	[2.0, 4.0]	100.0
No (n=957)	25.5	[22.1, 29.2]	59.9	[55.9, 63.8]	6.9	[5.2, 9.2]	3.7	[2.5, 5.5]	0.7	[0.3, 1.6]	3.3	[2.0, 5.6]	100.0
Pearson: Uncorrected chi2(5) =	5.2725												
Design-based F(4.88, 12616.59) =	0.6461	Pr =	0.661										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	30.2	[24.1, 37.1]	56.0	[48.9, 62.9]	4.2	[2.1, 7.9]	7.0	[4.2, 11.5]	0.0		2.5	[1.1, 5.8]	100.0
Mental health condition (n=941)	25.4	[22.1, 29.0]	59.3	[55.3, 63.2]	6.4	[4.6, 8.9]	4.2	[2.9, 6.1]	1.3	[0.7, 2.6]	3.3	[2.1, 5.2]	100.0
Substance use disorder (n=100)	20.3	[12.9, 30.3]	69.4	[58.1, 78.8]	3.4	[1.1, 9.4]	5.1	[1.5, 16.4]	1.3	[0.3, 4.9]	0.6	[0.1, 4.3]	100.0
None (n=1,256)	25.5	[22.5, 28.8]	60.9	[57.3, 64.3]	6.2	[4.8, 8.1]	3.9	[2.6, 5.7]	0.4	[0.2, 0.8]	3.2	[2.0, 4.9]	100.0
Pearson: Uncorrected chi2(15) =	28.5346												
Design-based F(13.71, 35465.03) =	1.3597	Pr =	0.166										
Total (n=2,598)	25.9	[23.8, 28.1]	60.1	[57.6, 62.5]	5.9	[4.9, 7.2]	4.4	[3.5, 5.6]	0.7	[0.4, 1.1]	3.1	[2.3, 4.1]	100.0

Note: Total n is less than universe N due to item non-response.

2.29 Q: Everyone should have to pay something for their health care.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age													
19-35 (n=1,036)	3.2	[2.2, 4.7]	36.6	[33.0, 40.3]	18.6	[15.9, 21.7]	31.4	[28.1, 34.9]	6.6	[5.0, 8.6]	3.6	[2.3, 5.7]	100.0
36-49 (n=694)	4.3	[2.7, 6.8]	40.7	[36.2, 45.4]	14.3	[11.5, 17.6]	33.0	[28.7, 37.7]	4.9	[3.3, 7.2]	2.7	[1.7, 4.3]	100.0
50-64 (n=863)	6.0	[4.5, 7.9]	37.1	[33.4, 41.1]	17.3	[14.4, 20.8]	32.3	[28.6, 36.3]	4.6	[3.0, 6.9]	2.6	[1.6, 4.3]	100.0
Pearson: Uncorrected chi2(10) = 20.7477													
Design-based F(9.66, 24944.62) = 1.4752		Pr =	0.144										
Gender													
Female (n=1,541)	3.6	[2.6, 4.8]	33.9	[31.1, 36.9]	17.0	[14.9, 19.4]	37.1	[34.2, 40.2]	5.2	[4.0, 6.6]	3.2	[2.2, 4.6]	100.0
Male (n=1,052)	4.6	[3.4, 6.3]	41.5	[37.8, 45.3]	17.4	[14.7, 20.5]	27.1	[23.8, 30.6]	6.2	[4.6, 8.3]	3.2	[1.9, 5.1]	100.0
Pearson: Uncorrected chi2(5) = 33.2081													
Design-based F(4.89, 12631.85) = 4.0782		Pr =	0.001										
Race/ethnicity													
White, non-Hispanic (n=1,690)	4.1	[3.2, 5.3]	41.2	[38.3, 44.3]	19.9	[17.5, 22.4]	27.9	[25.3, 30.7]	5.2	[4.0, 6.7]	1.7	[1.1, 2.7]	100.0
Black, non-Hispanic (n=422)	3.7	[1.9, 6.9]	34.7	[29.2, 40.7]	11.8	[8.7, 15.9]	40.3	[34.7, 46.3]	6.8	[4.3, 10.6]	2.6	[1.3, 5.2]	100.0
Hispanic (n=169)	6.5	[3.5, 11.8]	35.0	[26.7, 44.3]	10.2	[6.3, 16.0]	38.1	[29.6, 47.5]	6.5	[3.5, 11.8]	3.8	[1.6, 8.5]	100.0
Other, non-Hispanic (n=246)	4.3	[2.2, 8.3]	32.6	[26.1, 39.8]	17.5	[12.4, 24.1]	30.3	[24.0, 37.5]	5.9	[3.3, 10.3]	9.4	[5.1, 16.8]	100.0
Pearson: Uncorrected chi2(15) = 107.5215													
Design-based F(14.39, 36183.85) = 4.2796		Pr =	0.000										
FPL category													
0-35% (n=956)	3.1	[2.1, 4.7]	36.7	[33.0, 40.6]	16.1	[13.4, 19.1]	35.3	[31.7, 39.1]	5.4	[3.9, 7.4]	3.4	[2.1, 5.3]	100.0
36-99% (n=942)	4.5	[3.2, 6.3]	38.3	[34.9, 41.8]	17.2	[14.7, 20.1]	30.0	[26.8, 33.4]	6.6	[5.0, 8.8]	3.5	[2.2, 5.3]	100.0
100%+ (n=695)	6.5	[4.6, 9.1]	40.2	[36.2, 44.4]	20.5	[17.2, 24.3]	25.5	[21.9, 29.4]	5.2	[3.4, 7.8]	2.1	[1.1, 3.9]	100.0
Pearson: Uncorrected chi2(10) = 31.3453													
Design-based F(9.47, 24437.72) = 2.4119		Pr =	0.009										
Region													
UP/NW/NE (n=514)	5.4	[3.7, 7.9]	41.5	[36.9, 46.4]	20.8	[17.0, 25.2]	26.7	[22.6, 31.2]	3.9	[2.3, 6.5]	1.6	[0.8, 3.2]	100.0
W/E Central/E (n=768)	4.3	[3.1, 5.9]	38.1	[34.3, 42.2]	18.1	[15.2, 21.4]	31.2	[27.5, 35.1]	5.8	[4.2, 8.1]	2.5	[1.5, 4.3]	100.0
S Central/SW/SE (n=522)	4.0	[2.6, 6.2]	39.3	[34.5, 44.3]	17.0	[13.5, 21.2]	30.6	[26.2, 35.5]	5.4	[3.7, 7.9]	3.7	[2.0, 6.6]	100.0
Detroit Metro (n=789)	3.8	[2.5, 5.8]	36.1	[32.0, 40.4]	16.0	[13.1, 19.4]	34.3	[30.3, 38.5]	6.1	[4.4, 8.5]	3.6	[2.2, 5.9]	100.0
Pearson: Uncorrected chi2(15) = 16.5668													
Design-based F(12.87, 33204.78) = 0.8962		Pr =	0.556										
Chronic condition (2018 survey or DW)													
Yes (n=1,637)	4.0	[3.0, 5.2]	37.1	[34.2, 40.2]	18.3	[16.0, 20.9]	31.9	[29.2, 34.9]	5.8	[4.5, 7.5]	2.8	[2.0, 4.1]	100.0
No (n=956)	4.3	[3.0, 6.2]	38.7	[34.9, 42.7]	15.6	[13.1, 18.5]	32.2	[28.5, 36.1]	5.6	[4.0, 7.6]	3.6	[2.2, 6.0]	100.0
Pearson: Uncorrected chi2(5) = 4.5006													
Design-based F(4.90, 12635.65) = 0.5319		Pr =	0.749										
Mental health condition and/or substance use disorder (2018 survey or DW)													
Mental health condition and substance use disorder (n=301)	2.3	[1.1, 4.6]	35.8	[29.2, 42.8]	12.8	[8.5, 19.0]	41.1	[34.4, 48.2]	6.4	[3.9, 10.2]	1.6	[0.7, 3.7]	100.0
Mental health condition (n=939)	3.6	[2.5, 5.1]	35.6	[31.9, 39.5]	18.3	[15.4, 21.5]	33.1	[29.4, 37.0]	6.5	[4.8, 8.8]	2.9	[1.7, 4.8]	100.0
Substance use disorder (n=100)	10.7	[5.3, 20.5]	39.3	[28.6, 51.2]	10.0	[5.3, 17.9]	32.7	[22.6, 44.6]	6.7	[2.2, 18.1]	0.6	[0.1, 4.3]	100.0
None (n=1,253)	4.4	[3.2, 6.0]	39.6	[36.1, 43.2]	18.2	[15.6, 21.1]	29.0	[25.9, 32.4]	4.9	[3.5, 6.7]	3.9	[2.6, 5.9]	100.0
Pearson: Uncorrected chi2(15) = 47.1437													
Design-based F(14.00, 36142.42) = 2.1674		Pr =	0.007										
Total (n=2,593)	4.1	[3.3, 5.1]	37.8	[35.4, 40.2]	17.2	[15.5, 19.1]	32.0	[29.8, 34.4]	5.7	[4.7, 6.9]	3.2	[2.3, 4.3]	100.0

Note: Total n is less than universe N due to item non-response.

3 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

3.1 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed?

Universe: All respondents (N=2,602)

| | Forgone health care in 12 months prior to HMP | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,027)	18.4	[15.7, 21.3]	81.6	[78.7, 84.3]	100.0
36-49 (n=691)	28.2	[24.2, 32.5]	71.8	[67.5, 75.8]	100.0
50-64 (n=865)	31.4	[27.7, 35.4]	68.6	[64.6, 72.3]	100.0
Pearson: Uncorrected chi2(2) =	47.5556				
Design-based F(1.96, 5045.98) =	16.8421	Pr =	0.000		
Gender					
Female (n=1,537)	24.0	[21.5, 26.7]	76.0	[73.3, 78.5]	100.0
Male (n=1,046)	23.9	[20.9, 27.1]	76.1	[72.9, 79.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0089				
Design-based F(1.00, 2571.00) =	0.0060	Pr =	0.938		
Race/ethnicity					
White, non-Hispanic (n=1,688)	27.0	[24.5, 29.7]	73.0	[70.3, 75.5]	100.0
Black, non-Hispanic (n=418)	18.2	[14.2, 23.1]	81.8	[76.9, 85.8]	100.0
Hispanic (n=167)	26.8	[19.8, 35.2]	73.2	[64.8, 80.2]	100.0
Other, non-Hispanic (n=244)	20.7	[15.4, 27.3]	79.3	[72.7, 84.6]	100.0
Pearson: Uncorrected chi2(3) =	19.9910				
Design-based F(2.97, 7431.41) =	4.0534	Pr =	0.007		
FPL category					
0-35% (n=953)	25.0	[21.9, 28.3]	75.0	[71.7, 78.1]	100.0
36-99% (n=939)	22.1	[19.3, 25.1]	77.9	[74.9, 80.7]	100.0
100%+ (n=691)	23.5	[20.1, 27.4]	76.5	[72.6, 79.9]	100.0
Pearson: Uncorrected chi2(2) =	2.1912				
Design-based F(1.92, 4928.52) =	0.9668	Pr =	0.377		
Region					
UP/NW/NE (n=517)	23.8	[20.0, 28.1]	76.2	[71.9, 80.0]	100.0
W/E Central/E (n=765)	25.1	[21.8, 28.8]	74.9	[71.2, 78.2]	100.0
S Central/SW/SE (n=520)	26.3	[22.2, 30.9]	73.7	[69.1, 77.8]	100.0
Detroit Metro (n=781)	22.1	[18.9, 25.7]	77.9	[74.3, 81.1]	100.0
Pearson: Uncorrected chi2(3) =	4.2323				
Design-based F(2.66, 6827.11) =	1.1912	Pr =	0.310		
Chronic condition (2018 survey or DW)					
Yes (n=1,631)	28.2	[25.6, 31.0]	71.8	[69.0, 74.4]	100.0
No (n=952)	17.6	[14.8, 20.7]	82.4	[79.3, 85.2]	100.0
Pearson: Uncorrected chi2(1) =	38.4476				
Design-based F(1.00, 2571.00) =	24.5823	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=299)	36.5	[30.0, 43.5]	63.5	[56.5, 70.0]	100.0
Mental health condition (n=937)	27.5	[24.2, 31.2]	72.5	[68.8, 75.8]	100.0
Substance use disorder (n=100)	33.8	[23.7, 45.7]	66.2	[54.3, 76.3]	100.0
None (n=1,247)	17.6	[15.2, 20.3]	82.4	[79.7, 84.8]	100.0
Pearson: Uncorrected chi2(3) =	68.2980				
Design-based F(2.99, 7683.60) =	15.0761	Pr =	0.000		
Total (n=2,583)	23.9	[22.0, 26.0]	76.1	[74.0, 78.0]	100.0

Note: Total n is less than universe N due to item non-response.

3.1.1 Q: What type of care?

Universe: Respondents who reported forgone health care in the 12 months prior to HMP (N=659)

Type of forgone health care in 12 months prior to HMP	Weighted Proportion	95% CI
Primary care (n=380)	55.3	[50.5, 59.9]
Specialist care (n=182)	27.8	[23.7, 32.3]
Prescription medication (n=129)	20.8	[17.2, 25.0]
Mental health care (n=36)	6.3	[4.3, 9.2]
Surgery or procedure (n=32)	5.1	[3.4, 7.6]
Lab/imaging test (n=34)	4.3	[2.9, 6.3]
Support services (PT, OT, ST, DME) (n=13)	2.0	[1.0, 3.8]
Other (n=4)	0.4	[0.1, 1.1]

Note: Respondents were able to provide multiple responses.

3.1.2 Q: Why didn't you get the care you needed?

Universe: Respondents who reported forgone health care in the 12 months prior to HMP (N=659)

Reasons for forgone health care in 12 months prior to HMP	Weighted Proportion	95% CI
No insurance (n=419)	65.0	[60.4, 69.3]
Insurance plan wouldn't cover services needed (n=151)	21.3	[17.7, 25.3]
Difficulty/inability finding a provider (n=45)	7.0	[5.0, 9.7]
Other (n=25)	3.5	[2.2, 5.7]
Difficulty getting appointment (n=16)	2.9	[1.6, 4.9]
Transportation/logist (n=11)	2.0	[0.9, 4.5]
Just didn't want to go/didn't get around to it (n=9)	1.4	[0.7, 3.0]

Note: Respondents were able to provide multiple responses.

3.2   Q: In the last 12 months, was there any time when you didn't get the health care you needed?

Universe: All respondents (N=2,602)

| | \multicolumn{4}{c}{Forgone health care in last 12 months} | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,030)	7.1	[5.3, 9.3]	92.9	[90.7, 94.7]	100.0
36-49 (n=694)	9.9	[7.4, 13.0]	90.1	[87.0, 92.6]	100.0
50-64 (n=869)	8.8	[6.7, 11.4]	91.2	[88.6, 93.3]	100.0
Pearson: Uncorrected chi2(2) =	5.0950				
Design-based F(1.93, 4985.11) =	1.6991	Pr =	0.184		
Gender					
Female (n=1,541)	8.0	[6.4, 9.9]	92.0	[90.1, 93.6]	100.0
Male (n=1,052)	8.4	[6.5, 10.7]	91.6	[89.3, 93.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1461				
Design-based F(1.00, 2581.00) =	0.0891	Pr =	0.765		
Race/ethnicity					
White, non-Hispanic (n=1,692)	7.9	[6.5, 9.7]	92.1	[90.3, 93.5]	100.0
Black, non-Hispanic (n=422)	5.1	[3.1, 8.4]	94.9	[91.6, 96.9]	100.0
Hispanic (n=168)	13.5	[7.5, 23.1]	86.5	[76.9, 92.5]	100.0
Other, non-Hispanic (n=246)	10.2	[6.3, 16.1]	89.8	[83.9, 93.7]	100.0
Pearson: Uncorrected chi2(3) =	15.9035				
Design-based F(2.96, 7453.99) =	2.6253	Pr =	0.049		
FPL category					
0-35% (n=959)	8.8	[6.9, 11.2]	91.2	[88.8, 93.1]	100.0
36-99% (n=942)	7.0	[5.4, 9.0]	93.0	[91.0, 94.6]	100.0
100%+ (n=692)	8.1	[5.8, 11.0]	91.9	[89.0, 94.2]	100.0
Pearson: Uncorrected chi2(2) =	2.1491				
Design-based F(1.93, 4980.00) =	0.8650	Pr =	0.418		
Region					
UP/NW/NE (n=518)	6.2	[4.4, 8.6]	93.8	[91.4, 95.6]	100.0
W/E Central/E (n=768)	8.4	[6.4, 11.0]	91.6	[89.0, 93.6]	100.0
S Central/SW/SE (n=522)	9.2	[6.7, 12.6]	90.8	[87.4, 93.3]	100.0
Detroit Metro (n=785)	8.0	[5.9, 10.7]	92.0	[89.3, 94.1]	100.0
Pearson: Uncorrected chi2(3) =	2.1297				
Design-based F(2.52, 6499.26) =	0.5802	Pr =	0.598		
Chronic condition (2018 survey or DW)					
Yes (n=1,639)	10.1	[8.3, 12.2]	89.9	[87.8, 91.7]	100.0
No (n=954)	5.4	[3.9, 7.3]	94.6	[92.7, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	18.0654				
Design-based F(1.00, 2581.00) =	11.5910	Pr =	0.001		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	10.2	[6.9, 14.8]	89.8	[85.2, 93.1]	100.0
Mental health condition (n=941)	10.9	[8.4, 14.1]	89.1	[85.9, 91.6]	100.0
Substance use disorder (n=98)	12.7	[6.7, 22.9]	87.3	[77.1, 93.3]	100.0
None (n=1,253)	5.5	[4.2, 7.3]	94.5	[92.7, 95.8]	100.0
Pearson: Uncorrected chi2(3) =	25.1234				
Design-based F(2.98, 7696.22) =	5.5115	Pr =	0.001		
Total (n=2,593)	8.2	[6.9, 9.7]	91.8	[90.3, 93.1]	100.0

Note: Total n is less than universe N due to item non-response.

3.2.1 Q: What type of care?

Universe: Respondents who reported forgone health care in the last 12 months (N=203)

Type of forgone health care in last 12 months	Weighted Proportion	95% CI
Primary care (n=77)	35.7	[28.1, 44.1]
Specialist care (n=65)	31.2	[24.0, 39.4]
Prescription medication (n=33)	18.4	[12.4, 26.5]
Mental health care (n=15)	10.2	[5.3, 18.9]
Surgery or procedure (n=14)	7.4	[3.8, 13.9]
Lab/imaging test (n=11)	5.0	[2.4, 10.1]
Support services (PT, OT, ST, DME) (n=5)	2.2	[0.8, 6.1]
Other (n=1)	0.3	[0.0, 2.0]

Note: Respondents were able to provide multiple responses.

3.2.2 Q: Why didn't you get the care you needed?

Universe: Respondents who reported forgone health care in the last 12 months (N=203)

Reasons for forgone health care in last 12 months	Weighted Proportion	95% CI
Other (n=55)	30.8	[23.2, 39.7]
Cost/insurance plan wouldn't cover services needed (n=51)	25.7	[18.7, 34.2]
Difficulty/inability finding a provider (n=50)	25.1	[18.7, 32.9]
Difficulty getting appointment (n=32)	12.9	[8.7, 18.8]
Transportation/logistics (n=16)	7.5	[4.2, 13.2]
Just didn't want to go/didn't get around to it (n=13)	6.9	[3.5, 13.2]

Note: Respondents were able to provide multiple responses.

3.2.3 Reduction in forgone health care

Universe: All respondents (N=2,602)

| | Reduction in forgone health care | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	15.1	[12.8, 17.8]	84.9	[82.2, 87.2]	100.0
36-49 (n=696)	22.2	[18.7, 26.3]	77.8	[73.7, 81.3]	100.0
50-64 (n=870)	27.0	[23.5, 30.8]	73.0	[69.2, 76.5]	100.0
Pearson: Uncorrected chi2(2) =	40.6355				
Design-based F(1.97, 5090.97) =	14.5690	Pr =	0.000		
Gender					
Female (n=1,547)	20.4	[18.2, 22.9]	79.6	[77.1, 81.8]	100.0
Male (n=1,055)	19.0	[16.3, 21.9]	81.0	[78.1, 83.7]	100.0
Pearson: Uncorrected chi2(1) =	0.8966				
Design-based F(1.00, 2590.00) =	0.6073	Pr =	0.436		
Race/ethnicity					
White, non-Hispanic (n=1,696)	22.6	[20.2, 25.2]	77.4	[74.8, 79.8]	100.0
Black, non-Hispanic (n=422)	15.8	[12.1, 20.4]	84.2	[79.6, 87.9]	100.0
Hispanic (n=169)	21.1	[15.1, 28.8]	78.9	[71.2, 84.9]	100.0
Other, non-Hispanic (n=248)	16.4	[11.7, 22.5]	83.6	[77.5, 88.3]	100.0
Pearson: Uncorrected chi2(3) =	14.9658				
Design-based F(2.95, 7447.53) =	3.0985	Pr =	0.026		
FPL category					
0-35% (n=960)	20.4	[17.6, 23.5]	79.6	[76.5, 82.4]	100.0
36-99% (n=947)	18.2	[15.7, 21.0]	81.8	[79.0, 84.3]	100.0
100%+ (n=695)	19.9	[16.8, 23.4]	80.1	[76.6, 83.2]	100.0
Pearson: Uncorrected chi2(2) =	1.4251				
Design-based F(1.91, 4946.01) =	0.6480	Pr =	0.516		
Region					
UP/NW/NE (n=518)	20.7	[17.2, 24.8]	79.3	[75.2, 82.8]	100.0
W/E Central/E (n=770)	21.0	[17.9, 24.5]	79.0	[75.5, 82.1]	100.0
S Central/SW/SE (n=523)	21.3	[17.6, 25.6]	78.7	[74.4, 82.4]	100.0
Detroit Metro (n=791)	18.0	[15.1, 21.3]	82.0	[78.7, 84.9]	100.0
Pearson: Uncorrected chi2(3) =	3.9110				
Design-based F(2.66, 6887.52) =	1.1174	Pr =	0.337		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	22.6	[20.3, 25.2]	77.4	[74.8, 79.7]	100.0
No (n=958)	15.4	[12.8, 18.4]	84.6	[81.6, 87.2]	100.0
Pearson: Uncorrected chi2(1) =	20.8686				
Design-based F(1.00, 2590.00) =	13.3885	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	32.0	[25.8, 38.9]	68.0	[61.1, 74.2]	100.0
Mental health condition (n=944)	22.4	[19.3, 25.8]	77.6	[74.2, 80.7]	100.0
Substance use disorder (n=100)	22.9	[14.6, 34.1]	77.1	[65.9, 85.4]	100.0
None (n=1,257)	14.6	[12.5, 17.0]	85.4	[83.0, 87.5]	100.0
Pearson: Uncorrected chi2(3) =	57.1578				
Design-based F(2.98, 7728.13) =	12.8368	Pr =	0.000		
Total (n=2,602)	19.7	[17.9, 21.6]	80.3	[78.4, 82.1]	100.0

Note: Reduction in forgone health care was defined as those who reported forgoing health care in the 12 months prior to HMP but not in the last 12 months while they were on HMP.

3.3 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the dental care you needed?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
			Forgone dental care in 12 months prior to HMP		
Age					
19-35 (n=1,030)	31.4	[28.0, 34.9]	68.6	[65.1, 72.0]	100.0
36-49 (n=691)	41.1	[36.6, 45.8]	58.9	[54.2, 63.4]	100.0
50-64 (n=865)	40.0	[36.0, 44.1]	60.0	[55.9, 64.0]	100.0
Pearson: Uncorrected chi2(2) =	24.0998				
Design-based F(1.95, 5018.58) =	8.3073	Pr =	0.000		
Gender					
Female (n=1,538)	37.3	[34.4, 40.3]	62.7	[59.7, 65.6]	100.0
Male (n=1,048)	34.5	[31.0, 38.2]	65.5	[61.8, 69.0]	100.0
Pearson: Uncorrected chi2(1) =	2.2802				
Design-based F(1.00, 2574.00) =	1.4130	Pr =	0.235		
Race/ethnicity					
White, non-Hispanic (n=1,688)	38.1	[35.2, 41.0]	61.9	[59.0, 64.8]	100.0
Black, non-Hispanic (n=421)	35.2	[29.6, 41.2]	64.8	[58.8, 70.4]	100.0
Hispanic (n=168)	30.1	[22.6, 38.8]	69.9	[61.2, 77.4]	100.0
Other, non-Hispanic (n=246)	30.7	[24.3, 38.0]	69.3	[62.0, 75.7]	100.0
Pearson: Uncorrected chi2(3) =	9.4996				
Design-based F(2.95, 7411.18) =	1.8171	Pr =	0.143		
FPL category					
0-35% (n=952)	37.1	[33.4, 40.9]	62.9	[59.1, 66.6]	100.0
36-99% (n=942)	33.5	[30.3, 36.9]	66.5	[63.1, 69.7]	100.0
100%+ (n=692)	35.8	[31.8, 40.0]	64.2	[60.0, 68.2]	100.0
Pearson: Uncorrected chi2(2) =	2.5440				
Design-based F(1.89, 4874.34) =	1.0676	Pr =	0.341		
Region					
UP/NW/NE (n=514)	36.2	[31.7, 40.9]	63.8	[59.1, 68.3]	100.0
W/E Central/E (n=765)	36.7	[32.9, 40.7]	63.3	[59.3, 67.1]	100.0
S Central/SW/SE (n=520)	37.0	[32.3, 42.0]	63.0	[58.0, 67.7]	100.0
Detroit Metro (n=787)	34.8	[30.8, 39.0]	65.2	[61.0, 69.2]	100.0
Pearson: Uncorrected chi2(3) =	1.0556				
Design-based F(2.63, 6770.82) =	0.2853	Pr =	0.810		
Chronic condition (2018 survey or DW)					
Yes (n=1,633)	39.7	[36.7, 42.8]	60.3	[57.2, 63.3]	100.0
No (n=953)	30.2	[26.7, 34.0]	69.8	[66.0, 73.3]	100.0
Pearson: Uncorrected chi2(1) =	24.2701				
Design-based F(1.00, 2574.00) =	14.8769	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=299)	45.3	[38.3, 52.4]	54.7	[47.6, 61.7]	100.0
Mental health condition (n=937)	40.9	[37.1, 44.9]	59.1	[55.1, 62.9]	100.0
Substance use disorder (n=99)	41.8	[30.6, 53.9]	58.2	[46.1, 69.4]	100.0
None (n=1,251)	29.8	[26.7, 33.1]	70.2	[66.9, 73.3]	100.0
Pearson: Uncorrected chi2(3) =	44.4585				
Design-based F(2.99, 7697.45) =	9.3671	Pr =	0.000		
Total (n=2,586)	35.9	[33.6, 38.3]	64.1	[61.7, 66.4]	100.0

Note: Total n is less than universe N due to item non-response.

3.3.1   Q: Why didn't you get the care you needed?

Universe: Respondents who reported forgone dental care in the 12 months prior to HMP (N=958)

Reasons for forgone dental care in 12 months prior to HMP	Weighted Proportion	95% CI
No insurance (n=594)	63.3	[59.4, 67.0]
Insurance plan wouldn't cover services needed (n=285)	28.1	[24.7, 31.8]
Difficulty/inability finding a provider (n=49)	5.8	[4.2, 7.9]
Just didn't want to go/didn't get around to it (n=20)	2.6	[1.6, 4.2]
Afraid of going to dentist/dislike dentist (n=9)	1.0	[0.5, 1.9]
Other (n=10)	1.0	[0.5, 2.0]
Difficulty getting appointment (n=7)	0.8	[0.3, 1.9]
Transportation/logistics (n=7)	0.6	[0.3, 1.5]

Note: Respondents were able to provide multiple responses.

3.4 Q: In the last 12 months, was there any time when you didn't get the dental care you needed?

Universe: All respondents (N=2,602)

| | Forgone dental care in last 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,031)	17.0	[14.3, 20.1]	83.0	[79.9, 85.7]	100.0
36-49 (n=688)	17.7	[14.5, 21.4]	82.3	[78.6, 85.5]	100.0
50-64 (n=861)	21.8	[18.4, 25.6]	78.2	[74.4, 81.6]	100.0
Pearson: Uncorrected chi2(2) =	6.4421				
Design-based F(1.96, 5030.94) =	2.1640	Pr =	0.116		
Gender					
Female (n=1,533)	18.0	[15.7, 20.5]	82.0	[79.5, 84.3]	100.0
Male (n=1,047)	18.6	[15.8, 21.8]	81.4	[78.2, 84.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1832				
Design-based F(1.00, 2568.00) =	0.1109	Pr =	0.739		
Race/ethnicity					
White, non-Hispanic (n=1,683)	21.0	[18.5, 23.6]	79.0	[76.4, 81.5]	100.0
Black, non-Hispanic (n=418)	13.9	[10.2, 18.7]	86.1	[81.3, 89.8]	100.0
Hispanic (n=166)	17.7	[11.8, 25.7]	82.3	[74.3, 88.2]	100.0
Other, non-Hispanic (n=246)	13.8	[9.6, 19.6]	86.2	[80.4, 90.4]	100.0
Pearson: Uncorrected chi2(3) =	18.2726				
Design-based F(2.95, 7389.26) =	3.5276	Pr =	0.015		
FPL category					
0-35% (n=948)	18.6	[15.7, 21.9]	81.4	[78.1, 84.3]	100.0
36-99% (n=941)	17.9	[15.3, 20.7]	82.1	[79.3, 84.7]	100.0
100%+ (n=691)	18.0	[14.9, 21.6]	82.0	[78.4, 85.1]	100.0
Pearson: Uncorrected chi2(2) =	0.2031				
Design-based F(1.89, 4845.73) =	0.0826	Pr =	0.911		
Region					
UP/NW/NE (n=514)	17.3	[13.9, 21.4]	82.7	[78.6, 86.1]	100.0
W/E Central/E (n=765)	16.2	[13.5, 19.3]	83.8	[80.7, 86.5]	100.0
S Central/SW/SE (n=516)	20.8	[17.0, 25.2]	79.2	[74.8, 83.0]	100.0
Detroit Metro (n=785)	18.7	[15.4, 22.4]	81.3	[77.6, 84.6]	100.0
Pearson: Uncorrected chi2(3) =	4.5054				
Design-based F(2.62, 6737.87) =	1.2096	Pr =	0.303		
Chronic condition (2018 survey or DW)					
Yes (n=1,630)	20.0	[17.6, 22.7]	80.0	[77.3, 82.4]	100.0
No (n=950)	15.7	[13.1, 18.8]	84.3	[81.2, 86.9]	100.0
Pearson: Uncorrected chi2(1) =	7.6085				
Design-based F(1.00, 2568.00) =	4.5939	Pr =	0.032		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=296)	21.1	[15.5, 28.1]	78.9	[71.9, 84.5]	100.0
Mental health condition (n=937)	20.3	[17.3, 23.7]	79.7	[76.3, 82.7]	100.0
Substance use disorder (n=99)	18.5	[11.3, 29.0]	81.5	[71.0, 88.7]	100.0
None (n=1,248)	16.3	[13.7, 19.1]	83.7	[80.9, 86.3]	100.0
Pearson: Uncorrected chi2(3) =	7.6342				
Design-based F(2.93, 7530.01) =	1.5680	Pr =	0.196		
Total (n=2,580)	18.3	[16.4, 20.3]	81.7	[79.7, 83.6]	100.0

Note: Total n is less than universe N due to item non-response.

3.4.1 Q: Why didn't you get the care you needed?

Universe: Respondents who reported forgone dental care in the last 12 months (N=467)

Reasons for forgone dental care in last 12 months	Weighted Proportion	95% CI
Cost/insurance plan wouldn't cover services needed (n=160)	34.1	[28.8, 39.9]
Difficulty/inability finding a provider (n=166)	31.7	[26.7, 37.2]
Doesn't realize HMP covers dental at all (n=42)	11.2	[7.7, 15.9]
Just didn't want to go/didn't get around to it (n=43)	9.5	[6.4, 13.7]
Other (n=27)	6.9	[4.4, 10.8]
Difficulty getting appointment (n=29)	6.3	[4.1, 9.6]
Transportation/logistics (n=23)	4.4	[2.7, 6.9]
Afraid of going to dentist/dislike dentist (n=12)	2.3	[1.1, 4.5]

Note: Respondents were able to provide multiple responses.

3.4.2 Reduction in forgone dental care

Universe: All respondents (N=2,602)

| | Reduction in forgone dental care | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	21.0	[18.2, 24.1]	79.0	[75.9, 81.8]	100.0
36-49 (n=696)	29.3	[25.2, 33.8]	70.7	[66.2, 74.8]	100.0
50-64 (n=870)	25.5	[22.1, 29.2]	74.5	[70.8, 77.9]	100.0
Pearson: Uncorrected chi2(2) =	17.5404				
Design-based F(1.95, 5043.75) =	6.1601	Pr =	0.002		
Gender					
Female (n=1,547)	25.5	[23.0, 28.2]	74.5	[71.8, 77.0]	100.0
Male (n=1,055)	22.9	[19.9, 26.1]	77.1	[73.9, 80.1]	100.0
Pearson: Uncorrected chi2(1) =	2.4679				
Design-based F(1.00, 2590.00) =	1.5720	Pr =	0.210		
Race/ethnicity					
White, non-Hispanic (n=1,696)	25.5	[23.0, 28.0]	74.5	[72.0, 77.0]	100.0
Black, non-Hispanic (n=422)	25.3	[20.3, 31.0]	74.7	[69.0, 79.7]	100.0
Hispanic (n=169)	16.9	[11.5, 24.3]	83.1	[75.7, 88.5]	100.0
Other, non-Hispanic (n=248)	21.7	[16.2, 28.4]	78.3	[71.6, 83.8]	100.0
Pearson: Uncorrected chi2(3) =	7.9328				
Design-based F(2.92, 7365.06) =	1.5563	Pr =	0.199		
FPL category					
0-35% (n=960)	24.5	[21.4, 27.9]	75.5	[72.1, 78.6]	100.0
36-99% (n=947)	23.3	[20.6, 26.4]	76.7	[73.6, 79.4]	100.0
100%+ (n=695)	24.3	[20.8, 28.0]	75.7	[72.0, 79.2]	100.0
Pearson: Uncorrected chi2(2) =	0.3444				
Design-based F(1.89, 4898.58) =	0.1495	Pr =	0.850		
Region					
UP/NW/NE (n=518)	24.8	[21.0, 29.0]	75.2	[71.0, 79.0]	100.0
W/E Central/E (n=770)	26.5	[23.0, 30.2]	73.5	[69.8, 77.0]	100.0
S Central/SW/SE (n=523)	23.4	[19.4, 27.9]	76.6	[72.1, 80.6]	100.0
Detroit Metro (n=791)	23.0	[19.6, 26.7]	77.0	[73.3, 80.4]	100.0
Pearson: Uncorrected chi2(3) =	3.1865				
Design-based F(2.62, 6796.48) =	0.8780	Pr =	0.440		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	25.6	[23.1, 28.3]	74.4	[71.7, 76.9]	100.0
No (n=958)	22.0	[18.9, 25.5]	78.0	[74.5, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	4.3528				
Design-based F(1.00, 2590.00) =	2.6688	Pr =	0.102		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	28.2	[22.5, 34.8]	71.8	[65.2, 77.5]	100.0
Mental health condition (n=944)	27.4	[24.0, 31.1]	72.6	[68.9, 76.0]	100.0
Substance use disorder (n=100)	27.1	[17.4, 39.4]	72.9	[60.6, 82.6]	100.0
None (n=1,257)	20.7	[18.1, 23.7]	79.3	[76.3, 81.9]	100.0
Pearson: Uncorrected chi2(3) =	16.7561				
Design-based F(2.99, 7756.62) =	3.5293	Pr =	0.014		
Total (n=2,602)	24.1	[22.2, 26.3]	75.9	[73.7, 77.8]	100.0

Note: Reduction in forgone dental care was defined as those who reported forgoing dental care in the 12 months prior to HMP but not in the last 12 months while they were on HMP.

3.5 Q: Would you say that your ability to get primary care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Better		About the same		Worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,016)	49.7	[45.9, 53.5]	47.3	[43.5, 51.1]	3.0	[2.0, 4.4]	100.0
36-49 (n=682)	53.4	[48.7, 58.0]	43.4	[38.8, 48.1]	3.2	[2.0, 5.2]	100.0
50-64 (n=853)	52.1	[48.0, 56.1]	45.0	[41.0, 49.1]	2.9	[1.9, 4.4]	100.0
Pearson: Uncorrected chi2(4) =	2.9449						
Design-based F(3.83, 9733.78) =	0.5646	Pr =	0.681				
Gender							
Female (n=1,518)	47.4	[44.3, 50.6]	48.9	[45.8, 52.0]	3.7	[2.7, 5.0]	100.0
Male (n=1,033)	54.9	[51.0, 58.6]	42.7	[39.0, 46.6]	2.4	[1.6, 3.6]	100.0
Pearson: Uncorrected chi2(2) =	15.5971						
Design-based F(1.98, 5034.22) =	5.2085	Pr =	0.006				
Race/ethnicity							
White, non-Hispanic (n=1,661)	50.9	[47.9, 54.0]	45.1	[42.1, 48.1]	4.0	[3.0, 5.3]	100.0
Black, non-Hispanic (n=418)	54.0	[48.0, 59.9]	44.3	[38.4, 50.2]	1.7	[0.8, 3.6]	100.0
Hispanic (n=162)	56.1	[47.0, 64.8]	39.6	[31.2, 48.7]	4.3	[1.7, 10.1]	100.0
Other, non-Hispanic (n=243)	50.2	[42.6, 57.7]	48.7	[41.1, 56.2]	1.2	[0.4, 3.5]	100.0
Pearson: Uncorrected chi2(6) =	15.0514						
Design-based F(5.83, 14413.21) =	1.6236	Pr =	0.138				
FPL category							
0-35% (n=938)	53.8	[49.8, 57.6]	43.1	[39.2, 47.0]	3.1	[2.2, 4.5]	100.0
36-99% (n=926)	50.0	[46.4, 53.6]	46.9	[43.3, 50.6]	3.1	[2.0, 4.6]	100.0
100%+ (n=687)	45.5	[41.3, 49.8]	51.8	[47.6, 56.1]	2.7	[1.6, 4.6]	100.0
Pearson: Uncorrected chi2(4) =	11.5732						
Design-based F(3.84, 9739.33) =	2.4774	Pr =	0.044				
Region							
UP/NW/NE (n=513)	52.3	[47.4, 57.1]	45.7	[40.9, 50.5]	2.0	[1.1, 3.6]	100.0
W/E Central/E (n=749)	48.8	[44.7, 52.9]	47.2	[43.1, 51.3]	4.0	[2.7, 6.1]	100.0
S Central/SW/SE (n=514)	51.5	[46.4, 56.5]	45.3	[40.3, 50.4]	3.2	[1.9, 5.5]	100.0
Detroit Metro (n=775)	52.3	[48.0, 56.7]	45.1	[40.8, 49.5]	2.5	[1.6, 4.0]	100.0
Pearson: Uncorrected chi2(6) =	5.5931						
Design-based F(5.22, 13260.56) =	0.8037	Pr =	0.552				
Chronic condition (2018 survey or DW)							
Yes (n=1,622)	51.6	[48.5, 54.7]	45.0	[42.0, 48.1]	3.3	[2.4, 4.5]	100.0
No (n=929)	50.5	[46.5, 54.6]	46.9	[42.8, 51.0]	2.6	[1.7, 4.0]	100.0
Pearson: Uncorrected chi2(2) =	1.6699						
Design-based F(1.97, 4991.08) =	0.5602	Pr =	0.568				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=297)	61.2	[54.0, 67.9]	35.2	[28.6, 42.4]	3.7	[2.0, 6.7]	100.0
Mental health condition (n=932)	48.1	[44.1, 52.1]	48.1	[44.1, 52.1]	3.8	[2.5, 5.6]	100.0
Substance use disorder (n=96)	61.8	[49.8, 72.6]	37.5	[26.8, 49.5]	0.7	[0.1, 4.7]	100.0
None (n=1,226)	49.9	[46.3, 53.5]	47.5	[43.9, 51.1]	2.6	[1.7, 3.8]	100.0
Pearson: Uncorrected chi2(6) =	26.3608						
Design-based F(5.63, 14307.17) =	3.2783	Pr =	0.004				
Total (n=2,551)	51.2	[48.7, 53.7]	45.8	[43.3, 48.2]	3.0	[2.4, 3.9]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.6 Summary: Would you say that your ability to get primary care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get primary care	Weighted Proportion	95% CI
Better (n=1,282)	50.5	[48.1, 53.0]
About the same (n=1,189)	45.2	[42.7, 47.6]
Worse (n=80)	3.0	[2.3, 3.9]
Not applicable (n=30)	1.3	[0.8, 2.2]

Note: Total n is less than universe N due to item non-response.

3.7 Q: Would you say that your ability to get specialist care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Better		About the same		Worse		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=849)	42.6	[38.5, 46.8]	45.9	[41.8, 50.1]	5.9	[4.3, 8.0]	5.6	[4.1, 7.6]	100.0
36-49 (n=567)	52.8	[47.6, 57.9]	36.5	[31.7, 41.5]	6.3	[4.4, 8.8]	4.5	[2.8, 7.0]	100.0
50-64 (n=717)	53.3	[48.8, 57.7]	35.3	[31.2, 39.6]	7.2	[5.2, 9.8]	4.3	[2.7, 6.8]	100.0
Pearson: Uncorrected chi2(6) =	27.7943								
Design-based F(5.88, 12468.34) =	3.3748	Pr =	0.003						
Gender									
Female (n=1,285)	46.9	[43.6, 50.3]	40.1	[36.8, 43.5]	7.7	[6.2, 9.5]	5.2	[3.9, 7.1]	100.0
Male (n=848)	48.5	[44.3, 52.7]	41.9	[37.8, 46.1]	4.9	[3.3, 7.0]	4.8	[3.4, 6.7]	100.0
Pearson: Uncorrected chi2(3) =	7.7621								
Design-based F(3.00, 6353.26) =	1.6342	Pr =	0.179						
Race/ethnicity									
White, non-Hispanic (n=1,381)	48.9	[45.5, 52.3]	38.8	[35.5, 42.1]	7.6	[6.0, 9.5]	4.7	[3.6, 6.2]	100.0
Black, non-Hispanic (n=342)	46.7	[40.2, 53.4]	45.9	[39.4, 52.6]	4.3	[2.5, 7.4]	3.0	[1.5, 5.8]	100.0
Hispanic (n=148)	51.6	[42.3, 60.8]	39.9	[31.1, 49.5]	2.2	[0.5, 8.6]	6.3	[2.9, 13.2]	100.0
Other, non-Hispanic (n=207)	42.6	[34.9, 50.8]	43.9	[36.1, 52.1]	4.7	[2.4, 8.8]	8.8	[4.8, 15.4]	100.0
Pearson: Uncorrected chi2(9) =	30.2728								
Design-based F(8.83, 18245.93) =	2.0346	Pr =	0.033						
FPL category									
0-35% (n=799)	50.2	[46.0, 54.5]	39.6	[35.5, 43.8]	5.7	[4.1, 7.7]	4.5	[3.1, 6.5]	100.0
36-99% (n=787)	43.4	[39.6, 47.2]	44.1	[40.2, 48.1]	6.2	[4.6, 8.4]	6.3	[4.6, 8.6]	100.0
100%+ (n=547)	46.4	[41.6, 51.2]	40.8	[36.1, 45.6]	8.3	[5.8, 11.6]	4.6	[3.0, 7.0]	100.0
Pearson: Uncorrected chi2(6) =	11.6608								
Design-based F(5.70, 12095.35) =	1.6224	Pr =	0.140						
Region									
UP/NW/NE (n=413)	53.4	[48.0, 58.8]	33.6	[28.7, 38.9]	6.1	[4.1, 9.1]	6.8	[4.4, 10.5]	100.0
W/E Central/E (n=629)	44.1	[39.7, 48.6]	41.9	[37.5, 46.4]	8.7	[6.5, 11.4]	5.4	[3.6, 7.9]	100.0
S Central/SW/SE (n=427)	50.0	[44.5, 55.6]	42.5	[37.0, 48.2]	3.0	[1.6, 5.5]	4.5	[2.7, 7.4]	100.0
Detroit Metro (n=664)	47.8	[43.1, 52.5]	41.2	[36.7, 45.9]	6.3	[4.5, 8.8]	4.7	[3.1, 6.9]	100.0
Pearson: Uncorrected chi2(9) =	20.2603								
Design-based F(8.02, 17015.00) =	1.8790	Pr =	0.058						
Chronic condition (2018 survey or DW)									
Yes (n=1,385)	49.8	[46.5, 53.2]	39.7	[36.4, 43.0]	6.4	[5.0, 8.2]	4.1	[3.0, 5.6]	100.0
No (n=748)	44.4	[40.0, 49.0]	43.1	[38.6, 47.7]	6.1	[4.4, 8.2]	6.4	[4.7, 8.8]	100.0
Pearson: Uncorrected chi2(3) =	10.2119								
Design-based F(2.97, 6307.57) =	2.2122	Pr =	0.085						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=258)	59.8	[52.0, 67.0]	30.5	[23.7, 38.2]	6.3	[3.9, 10.1]	3.4	[1.6, 7.0]	100.0
Mental health condition (n=793)	48.0	[43.7, 52.4]	40.6	[36.3, 45.1]	6.9	[5.1, 9.2]	4.5	[3.0, 6.7]	100.0
Substance use disorder (n=75)	58.5	[44.9, 70.9]	31.0	[20.2, 44.4]	4.7	[1.6, 13.2]	5.7	[1.8, 16.4]	100.0
None (n=1,007)	43.6	[39.7, 47.6]	44.7	[40.8, 48.7]	5.9	[4.3, 8.1]	5.7	[4.2, 7.7]	100.0
Pearson: Uncorrected chi2(9) =	30.7125								
Design-based F(8.83, 18730.77) =	2.3907	Pr =	0.011						
Total (n=2,133)	47.7	[45.0, 50.4]	41.0	[38.4, 43.7]	6.3	[5.2, 7.6]	5.0	[4.0, 6.3]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.8 Summary: Would you say that your ability to get specialist care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get specialist care	Weighted Proportion	95% CI
Better (n=1,055)	39.6	[37.2, 42.0]
About the same (n=830)	34.0	[31.7, 36.4]
Worse (n=145)	5.2	[4.3, 6.3]
Not applicable (n=464)	17.1	[15.3, 19.0]
Don't know (n=103)	4.2	[3.3, 5.2]

Note: Total n is less than universe N due to item non-response.

3.9 Q: Would you say that your ability to get dental care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Better		About the same		Worse		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=970)	43.1	[39.3, 47.0]	41.9	[38.0, 45.8]	8.4	[6.8, 10.5]	6.6	[4.9, 9.0]	100.0
36-49 (n=626)	47.7	[42.8, 52.6]	35.5	[31.1, 40.3]	11.1	[8.6, 14.3]	5.6	[3.8, 8.3]	100.0
50-64 (n=747)	42.0	[37.7, 46.5]	36.8	[32.7, 41.1]	12.4	[9.7, 15.7]	8.8	[6.6, 11.5]	100.0
Pearson: Uncorrected chi2(6) =	18.4007								
Design-based F(5.82, 13575.21) =	2.2432	Pr =	0.038						
Gender									
Female (n=1,408)	41.3	[38.1, 44.5]	39.3	[36.2, 42.5]	11.7	[10.0, 13.8]	7.7	[6.0, 9.7]	100.0
Male (n=935)	46.7	[42.7, 50.8]	39.0	[35.1, 43.1]	8.2	[6.4, 10.5]	6.1	[4.4, 8.2]	100.0
Pearson: Uncorrected chi2(3) =	13.3201								
Design-based F(2.97, 6934.00) =	2.7995	Pr =	0.039						
Race/ethnicity									
White, non-Hispanic (n=1,523)	43.3	[40.1, 46.5]	38.1	[35.0, 41.2]	11.6	[9.9, 13.6]	7.1	[5.5, 9.0]	100.0
Black, non-Hispanic (n=380)	45.8	[39.6, 52.1]	42.5	[36.5, 48.8]	5.8	[3.6, 9.4]	5.9	[3.5, 9.6]	100.0
Hispanic (n=154)	48.0	[38.6, 57.6]	35.1	[26.6, 44.7]	7.8	[4.2, 14.0]	9.0	[5.0, 15.7]	100.0
Other, non-Hispanic (n=225)	40.5	[33.1, 48.3]	41.4	[33.7, 49.5]	11.1	[7.2, 16.6]	7.1	[4.1, 12.1]	100.0
Pearson: Uncorrected chi2(9) =	20.3153								
Design-based F(8.83, 20040.43) =	1.3391	Pr =	0.212						
FPL category									
0-35% (n=853)	46.7	[42.6, 50.8]	37.3	[33.4, 41.4]	8.4	[6.6, 10.6]	7.6	[5.7, 10.0]	100.0
36-99% (n=864)	42.5	[38.9, 46.3]	40.2	[36.6, 44.0]	10.7	[8.7, 13.2]	6.5	[4.8, 8.7]	100.0
100%+ (n=626)	38.3	[34.1, 42.7]	43.0	[38.6, 47.5]	13.5	[10.7, 17.0]	5.2	[3.5, 7.6]	100.0
Pearson: Uncorrected chi2(6) =	20.5907								
Design-based F(5.70, 13297.87) =	2.8966	Pr =	0.009						
Region									
UP/NW/NE (n=474)	46.4	[41.4, 51.5]	37.9	[33.1, 42.9]	9.4	[6.9, 12.7]	6.4	[4.1, 9.7]	100.0
W/E Central/E (n=694)	44.0	[39.8, 48.3]	37.0	[33.0, 41.2]	12.9	[10.4, 15.8]	6.2	[4.5, 8.5]	100.0
S Central/SW/SE (n=470)	42.6	[37.5, 47.9]	39.3	[34.2, 44.6]	10.4	[7.7, 13.8]	7.8	[5.2, 11.5]	100.0
Detroit Metro (n=705)	44.2	[39.7, 48.8]	40.7	[36.3, 45.3]	8.2	[6.2, 10.7]	6.9	[5.0, 9.6]	100.0
Pearson: Uncorrected chi2(9) =	11.8708								
Design-based F(7.94, 18510.13) =	1.0833	Pr =	0.371						
Chronic condition (2018 survey or DW)									
Yes (n=1,474)	44.9	[41.6, 48.2]	36.2	[33.2, 39.4]	11.1	[9.3, 13.1]	7.8	[6.2, 9.9]	100.0
No (n=869)	42.7	[38.6, 47.0]	43.4	[39.3, 47.7]	8.4	[6.6, 10.7]	5.4	[3.9, 7.6]	100.0
Pearson: Uncorrected chi2(3) =	16.8365								
Design-based F(2.96, 6905.74) =	3.5956	Pr =	0.013						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=265)	47.6	[40.2, 55.1]	37.1	[30.1, 44.8]	8.6	[5.4, 13.4]	6.6	[3.8, 11.3]	100.0
Mental health condition (n=860)	46.0	[41.8, 50.2]	35.7	[31.7, 39.8]	12.8	[10.5, 15.6]	5.5	[3.9, 7.8]	100.0
Substance use disorder (n=84)	54.0	[41.2, 66.4]	33.2	[22.1, 46.6]	2.9	[0.9, 9.3]	9.9	[5.1, 18.1]	100.0
None (n=1,134)	41.1	[37.4, 44.9]	42.4	[38.7, 46.2]	8.9	[7.2, 11.0]	7.6	[5.7, 9.9]	100.0
Pearson: Uncorrected chi2(9) =	28.8527								
Design-based F(8.69, 20263.29) =	2.2561	Pr =	0.017						
Total (n=2,343)	44.0	[41.4, 46.6]	39.2	[36.6, 41.7]	10.0	[8.7, 11.4]	6.9	[5.6, 8.3]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.10 Summary: Would you say that your ability to get dental care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get dental care	Weighted Proportion	95% CI
Better (n=1,021)	39.9	[37.5, 42.4]
About the same (n=906)	35.5	[33.2, 37.9]
Worse (n=264)	9.1	[7.9, 10.4]
Not applicable (n=254)	9.3	[8.0, 10.7]
Don't know (n=152)	6.2	[5.1, 7.5]

Note: Total n is less than universe N due to item non-response.

3.11 Q: Would you say that your ability to get mental health care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Better		About the same		Worse		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=779)	40.0	[35.8, 44.3]	48.9	[44.6, 53.3]	3.3	[2.2, 5.0]	7.7	[5.7, 10.5]	100.0
36-49 (n=432)	44.8	[38.9, 50.8]	43.6	[37.9, 49.6]	6.2	[3.7, 10.3]	5.4	[3.1, 9.2]	100.0
50-64 (n=461)	43.6	[38.2, 49.2]	41.8	[36.5, 47.3]	4.3	[2.5, 7.3]	10.3	[7.4, 14.1]	100.0
Pearson: Uncorrected chi2(6) =	16.5938								
Design-based F(5.78, 9588.93) =	1.9442	Pr =	0.073						
Gender									
Female (n=987)	41.0	[37.3, 44.8]	47.2	[43.4, 51.1]	4.5	[3.2, 6.4]	7.3	[5.4, 9.8]	100.0
Male (n=685)	42.6	[38.0, 47.3]	45.6	[40.9, 50.3]	3.9	[2.5, 6.1]	8.0	[5.8, 10.8]	100.0
Pearson: Uncorrected chi2(3) =	1.0698								
Design-based F(3.00, 4972.99) =	0.2216	Pr =	0.881						
Race/ethnicity									
White, non-Hispanic (n=1,108)	42.8	[39.1, 46.5]	44.5	[40.8, 48.3]	5.3	[3.8, 7.3]	7.4	[5.7, 9.6]	100.0
Black, non-Hispanic (n=261)	38.7	[31.6, 46.3]	50.2	[42.7, 57.8]	2.6	[1.1, 5.9]	8.5	[4.9, 14.3]	100.0
Hispanic (n=121)	53.7	[42.9, 64.1]	37.2	[27.6, 48.0]	3.4	[1.1, 10.4]	5.7	[2.3, 13.8]	100.0
Other, non-Hispanic (n=146)	37.6	[28.7, 47.4]	51.9	[42.1, 61.6]	1.9	[0.5, 7.5]	8.5	[4.1, 16.8]	100.0
Pearson: Uncorrected chi2(9) =	20.0958								
Design-based F(8.82, 14320.91) =	1.2335	Pr =	0.270						
FPL category									
0-35% (n=639)	44.0	[39.4, 48.8]	43.0	[38.4, 47.8]	4.7	[3.2, 6.9]	8.2	[5.9, 11.3]	100.0
36-99% (n=612)	39.3	[35.1, 43.6]	52.0	[47.6, 56.4]	2.4	[1.4, 4.0]	6.4	[4.6, 8.8]	100.0
100%+ (n=421)	38.6	[33.4, 44.0]	48.6	[43.2, 54.1]	5.2	[3.1, 8.6]	7.7	[5.2, 11.1]	100.0
Pearson: Uncorrected chi2(6) =	14.1214								
Design-based F(5.68, 9423.39) =	2.0493	Pr =	0.060						
Region									
UP/NW/NE (n=339)	45.9	[40.0, 51.9]	43.2	[37.4, 49.2]	3.0	[1.5, 6.2]	7.9	[5.1, 12.0]	100.0
W/E Central/E (n=517)	40.9	[36.2, 45.9]	46.6	[41.7, 51.6]	5.1	[3.4, 7.6]	7.3	[5.2, 10.2]	100.0
S Central/SW/SE (n=347)	48.3	[42.2, 54.5]	42.0	[36.1, 48.1]	2.6	[1.2, 5.7]	7.1	[4.5, 11.1]	100.0
Detroit Metro (n=469)	38.4	[33.1, 44.0]	48.9	[43.3, 54.5]	4.6	[2.9, 7.3]	8.1	[5.4, 11.8]	100.0
Pearson: Uncorrected chi2(9) =	12.8534								
Design-based F(7.94, 13187.07) =	1.1364	Pr =	0.335						
Chronic condition (2018 survey or DW)									
Yes (n=1,037)	45.1	[41.2, 49.1]	43.5	[39.7, 47.4]	4.4	[3.1, 6.2]	7.0	[5.2, 9.4]	100.0
No (n=635)	37.1	[32.7, 41.9]	50.4	[45.5, 55.3]	4.0	[2.5, 6.3]	8.5	[6.2, 11.7]	100.0
Pearson: Uncorrected chi2(3) =	11.7069								
Design-based F(2.99, 4970.70) =	2.3955	Pr =	0.066						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=240)	58.8	[51.0, 66.2]	29.6	[23.3, 36.8]	7.9	[4.4, 13.8]	3.6	[1.6, 8.2]	100.0
Mental health condition (n=731)	47.8	[43.2, 52.4]	41.8	[37.4, 46.3]	5.6	[3.9, 8.1]	4.8	[3.1, 7.4]	100.0
Substance use disorder (n=49)	41.5	[26.6, 58.1]	49.7	[33.7, 65.8]	2.4	[0.3, 15.0]	6.4	[2.8, 13.9]	100.0
None (n=652)	30.3	[26.0, 35.1]	56.2	[51.2, 61.1]	1.7	[0.9, 3.2]	11.8	[9.0, 15.3]	100.0
Pearson: Uncorrected chi2(9) =	130.6184								
Design-based F(8.51, 14123.66) =	10.0725	Pr =	0.000						
Total (n=1,672)	41.8	[38.8, 44.9]	46.3	[43.3, 49.4]	4.2	[3.2, 5.6]	7.6	[6.1, 9.5]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.12 Summary: Would you say that your ability to get mental health care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get mental health care	Weighted Proportion	95% CI
Better (n=714)	28.5	[26.3, 30.8]
About the same (n=766)	31.6	[29.3, 34.0]
Worse (n=67)	2.9	[2.2, 3.8]
Not applicable (n=924)	31.9	[29.7, 34.1]
Don't know (n=125)	5.2	[4.2, 6.5]

Note: Total n is less than universe N due to item non-response.

3.13 Q: Would you say that your ability to get substance use treatment services through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Ability to get substance use treatment services								Total
	Better		**About the same**		**Worse**		**Don't know**		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=469)	27.3	[22.7, 32.4]	57.2	[51.7, 62.5]	0.9	[0.3, 2.6]	14.6	[11.2, 18.8]	100.0
36-49 (n=231)	39.5	[31.6, 48.0]	43.4	[35.6, 51.6]	3.9	[1.5, 10.0]	13.1	[8.6, 19.5]	100.0
50-64 (n=209)	38.7	[31.0, 46.9]	39.3	[31.8, 47.4]	1.6	[0.5, 5.7]	20.4	[14.6, 27.7]	100.0
Pearson: Uncorrected chi2(6) =	30.8437								
Design-based F(5.72, 5134.79) =	3.8994	Pr =	0.001						
Gender									
Female (n=477)	29.7	[25.0, 34.9]	51.5	[46.0, 57.0]	1.3	[0.5, 3.4]	17.4	[13.6, 22.1]	100.0
Male (n=432)	33.4	[28.2, 39.2]	51.1	[45.2, 57.0]	2.1	[0.9, 4.7]	13.4	[10.0, 17.6]	100.0
Pearson: Uncorrected chi2(3) =	4.1131								
Design-based F(3.00, 2689.57) =	0.9397	Pr =	0.421						
Race/ethnicity									
White, non-Hispanic (n=560)	33.9	[29.0, 39.1]	47.7	[42.4, 53.0]	1.4	[0.7, 3.1]	17.0	[13.7, 20.9]	100.0
Black, non-Hispanic (n=170)	27.2	[19.6, 36.5]	58.4	[48.9, 67.4]	1.4	[0.2, 9.5]	12.9	[7.5, 21.1]	100.0
Hispanic (n=68)	40.3	[27.9, 54.0]	41.2	[28.8, 54.8]	2.7	[0.4, 16.9]	15.8	[7.5, 30.4]	100.0
Other, non-Hispanic (n=94)	29.6	[20.1, 41.3]	57.2	[45.1, 68.5]	2.0	[0.4, 10.0]	11.2	[5.1, 22.6]	100.0
Pearson: Uncorrected chi2(9) =	13.0783								
Design-based F(8.49, 7473.94) =	0.8097	Pr =	0.601						
FPL category									
0-35% (n=372)	33.7	[28.1, 39.7]	49.3	[43.2, 55.4]	1.8	[0.7, 4.3]	15.3	[11.5, 20.1]	100.0
36-99% (n=328)	31.2	[25.9, 37.0]	54.3	[48.3, 60.2]	0.9	[0.3, 2.9]	13.6	[10.1, 18.1]	100.0
100%+ (n=209)	26.3	[20.3, 33.4]	53.9	[46.1, 61.5]	3.1	[1.0, 9.3]	16.7	[11.8, 23.1]	100.0
Pearson: Uncorrected chi2(6) =	6.1268								
Design-based F(5.57, 4994.37) =	0.8771	Pr =	0.504						
Region									
UP/NW/NE (n=186)	37.1	[29.6, 45.3]	42.0	[34.4, 50.0]	1.3	[0.2, 8.6]	19.6	[14.0, 26.7]	100.0
W/E Central/E (n=257)	27.6	[22.0, 34.0]	53.6	[46.7, 60.5]	1.6	[0.6, 4.4]	17.2	[12.5, 23.1]	100.0
S Central/SW/SE (n=187)	36.7	[28.9, 45.3]	47.0	[38.8, 55.4]	1.1	[0.2, 5.7]	15.2	[10.1, 22.3]	100.0
Detroit Metro (n=279)	30.8	[24.5, 37.8]	54.1	[46.8, 61.2]	2.3	[0.9, 5.8]	12.8	[8.8, 18.4]	100.0
Pearson: Uncorrected chi2(9) =	11.0830								
Design-based F(8.19, 7348.80) =	0.9561	Pr =	0.470						
Chronic condition (2018 survey or DW)									
Yes (n=528)	36.4	[31.4, 41.8]	45.0	[39.7, 50.4]	2.4	[1.1, 5.1]	16.2	[12.7, 20.5]	100.0
No (n=381)	26.5	[21.4, 32.4]	58.7	[52.4, 64.7]	1.0	[0.3, 3.1]	13.8	[10.2, 18.5]	100.0
Pearson: Uncorrected chi2(3) =	18.5852								
Design-based F(3.00, 2688.53) =	3.9878	Pr =	0.008						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=149)	59.2	[49.5, 68.3]	32.5	[24.4, 41.9]	1.9	[0.5, 7.1]	6.3	[3.1, 12.4]	100.0
Mental health condition (n=279)	32.9	[26.6, 39.9]	48.1	[40.8, 55.4]	1.1	[0.3, 3.7]	17.9	[12.9, 24.2]	100.0
Substance use disorder (n=43)	37.6	[22.8, 55.2]	57.3	[39.9, 73.2]	2.8	[0.4, 17.6]	2.3	[0.5, 9.4]	100.0
None (n=438)	21.7	[17.2, 27.1]	58.8	[52.8, 64.5]	2.0	[0.8, 5.0]	17.5	[13.6, 22.3]	100.0
Pearson: Uncorrected chi2(9) =	83.2405								
Design-based F(8.48, 7607.73) =	7.1943	Pr =	0.000						
Total (n=909)	31.8	[28.2, 35.8]	51.3	[47.2, 55.4]	1.8	[0.9, 3.3]	15.1	[12.5, 18.2]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.14 Summary: Would you say that your ability to get substance use treatment services through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get substance use treatment services	Weighted Proportion	95% CI
Better (n=298)	12.6	[11.0, 14.4]
About the same (n=448)	20.3	[18.3, 22.5]
Worse (n=12)	0.7	[0.4, 1.3]
Not applicable (n=1,687)	60.4	[57.9, 62.8]
Don't know (n=151)	6.0	[4.9, 7.3]

Note: Total n is less than universe N due to item non-response.

3.15 Q: Would you say that your ability to get prescription medications through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Better		About the same		Worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=928)	59.2	[55.3, 63.1]	38.0	[34.2, 41.9]	2.8	[1.8, 4.2]	100.0
36-49 (n=631)	63.5	[58.9, 67.8]	32.9	[28.7, 37.3]	3.6	[2.3, 5.8]	100.0
50-64 (n=790)	63.9	[59.8, 67.9]	31.5	[27.8, 35.5]	4.5	[3.1, 6.7]	100.0
Pearson: Uncorrected chi2(4) =	11.3011						
Design-based F(3.91, 9147.14) =	2.1295	Pr =	0.076				
Gender							
Female (n=1,419)	59.0	[55.9, 62.1]	37.2	[34.2, 40.4]	3.7	[2.8, 5.0]	100.0
Male (n=930)	63.8	[59.9, 67.6]	33.1	[29.4, 37.0]	3.1	[2.0, 4.7]	100.0
Pearson: Uncorrected chi2(2) =	5.7849						
Design-based F(1.99, 4643.63) =	1.9220	Pr =	0.147				
Race/ethnicity							
White, non-Hispanic (n=1,545)	60.8	[57.7, 63.9]	35.8	[32.8, 38.9]	3.4	[2.5, 4.6]	100.0
Black, non-Hispanic (n=383)	67.7	[61.8, 73.1]	30.9	[25.6, 36.8]	1.4	[0.6, 3.2]	100.0
Hispanic (n=142)	62.7	[52.8, 71.6]	32.0	[23.5, 41.9]	5.3	[2.3, 11.9]	100.0
Other, non-Hispanic (n=221)	54.7	[46.9, 62.3]	40.1	[32.8, 47.9]	5.2	[2.8, 9.6]	100.0
Pearson: Uncorrected chi2(6) =	21.5440						
Design-based F(5.91, 13460.97) =	2.2999	Pr =	0.033				
FPL category							
0-35% (n=860)	64.8	[60.8, 68.6]	32.0	[28.3, 35.9]	3.2	[2.2, 4.7]	100.0
36-99% (n=854)	57.7	[54.0, 61.4]	39.1	[35.4, 42.8]	3.2	[2.2, 4.7]	100.0
100%+ (n=635)	57.0	[52.5, 61.3]	38.7	[34.5, 43.1]	4.3	[2.7, 6.8]	100.0
Pearson: Uncorrected chi2(4) =	14.4662						
Design-based F(3.81, 8911.48) =	3.0400	Pr =	0.018				
Region							
UP/NW/NE (n=467)	60.8	[55.6, 65.6]	37.5	[32.6, 42.6]	1.8	[1.0, 3.2]	100.0
W/E Central/E (n=696)	56.6	[52.3, 60.7]	38.6	[34.6, 42.8]	4.8	[3.3, 7.0]	100.0
S Central/SW/SE (n=483)	65.2	[60.0, 70.1]	31.4	[26.7, 36.6]	3.3	[2.0, 5.6]	100.0
Detroit Metro (n=703)	62.9	[58.4, 67.1]	34.3	[30.1, 38.7]	2.9	[1.8, 4.6]	100.0
Pearson: Uncorrected chi2(6) =	14.8917						
Design-based F(5.13, 11987.99) =	2.1719	Pr =	0.053				
Chronic condition (2018 survey or DW)							
Yes (n=1,548)	64.2	[61.2, 67.0]	32.1	[29.3, 35.0]	3.8	[2.8, 5.1]	100.0
No (n=801)	56.8	[52.4, 61.1]	40.3	[36.1, 44.7]	2.8	[1.8, 4.4]	100.0
Pearson: Uncorrected chi2(2) =	16.8837						
Design-based F(1.97, 4614.83) =	5.6856	Pr =	0.004				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=288)	70.6	[63.9, 76.4]	25.6	[20.1, 32.0]	3.8	[2.0, 7.3]	100.0
Mental health condition (n=889)	61.8	[57.8, 65.8]	33.8	[30.0, 37.8]	4.3	[3.0, 6.2]	100.0
Substance use disorder (n=85)	73.2	[60.3, 83.0]	24.4	[15.0, 37.3]	2.4	[0.5, 9.9]	100.0
None (n=1,087)	57.7	[53.9, 61.4]	39.6	[35.9, 43.3]	2.7	[1.8, 4.1]	100.0
Pearson: Uncorrected chi2(6) =	30.5210						
Design-based F(5.94, 13875.60) =	3.5850	Pr =	0.002				
Total (n=2,349)	61.4	[58.9, 63.9]	35.2	[32.8, 37.6]	3.4	[2.7, 4.4]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.16 Summary: Would you say that your ability to get prescription medications through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get prescription medications	Weighted Proportion	95% CI
Better (n=1,432)	55.7	[53.2, 58.1]
About the same (n=831)	31.9	[29.7, 34.2]
Worse (n=86)	3.1	[2.4, 4.0]
Not applicable (n=220)	9.4	[8.0, 11.0]

Note: Total n is less than universe N due to item non-response.

3.17 Q: Would you say that your ability to get cancer screening through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Ability to get cancer screening								Total
	Better		About the same		Worse		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=503)	30.5	[25.9, 35.6]	53.3	[47.9, 58.6]	0.5	[0.1, 2.2]	15.7	[12.1, 20.1]	100.0
36-49 (n=336)	44.9	[38.2, 51.7]	40.8	[34.3, 47.7]	1.2	[0.4, 4.1]	13.1	[9.3, 18.1]	100.0
50-64 (n=525)	48.8	[43.6, 54.1]	39.2	[34.3, 44.4]	1.6	[0.6, 4.3]	10.4	[7.7, 13.9]	100.0
Pearson: Uncorrected chi2(6) =	45.3001								
Design-based F(5.85, 7912.55) =	4.9673	Pr =	0.000						
Gender									
Female (n=847)	40.7	[36.7, 44.9]	45.3	[41.2, 49.5]	0.9	[0.3, 2.1]	13.1	[10.3, 16.5]	100.0
Male (n=517)	37.0	[31.9, 42.3]	47.7	[42.3, 53.2]	1.1	[0.4, 3.0]	14.2	[10.9, 18.2]	100.0
Pearson: Uncorrected chi2(3) =	2.2127								
Design-based F(3.00, 4052.53) =	0.4468	Pr =	0.719						
Race/ethnicity									
White, non-Hispanic (n=880)	39.8	[35.8, 44.0]	43.9	[39.7, 48.2]	0.6	[0.2, 1.8]	15.6	[12.7, 19.1]	100.0
Black, non-Hispanic (n=245)	41.9	[34.4, 49.9]	49.0	[41.2, 56.9]	1.4	[0.4, 4.4]	7.7	[4.5, 12.6]	100.0
Hispanic (n=90)	37.3	[26.9, 49.2]	46.4	[35.0, 58.1]	2.3	[0.3, 14.5]	14.0	[7.2, 25.5]	100.0
Other, non-Hispanic (n=118)	30.9	[22.0, 41.3]	52.7	[41.8, 63.4]	1.3	[0.2, 8.5]	15.2	[8.4, 25.9]	100.0
Pearson: Uncorrected chi2(9) =	20.7289								
Design-based F(8.74, 11548.64) =	1.2841	Pr =	0.241						
FPL category									
0-35% (n=536)	39.6	[34.7, 44.7]	45.1	[40.0, 50.4]	1.2	[0.5, 2.7]	14.1	[10.8, 18.1]	100.0
36-99% (n=481)	37.5	[32.8, 42.4]	48.3	[43.3, 53.3]	0.7	[0.2, 2.2]	13.6	[10.4, 17.5]	100.0
100%+ (n=347)	38.7	[33.0, 44.7]	48.2	[42.2, 54.4]	0.8	[0.1, 5.8]	12.2	[8.8, 16.8]	100.0
Pearson: Uncorrected chi2(6) =	2.1600								
Design-based F(5.49, 7424.57) =	0.2770	Pr =	0.938						
Region									
UP/NW/NE (n=282)	44.5	[38.1, 51.1]	41.7	[35.4, 48.3]	0.0		13.8	[9.8, 19.0]	100.0
W/E Central/E (n=405)	34.5	[29.6, 39.8]	47.3	[41.8, 52.9]	0.8	[0.2, 2.7]	17.3	[13.4, 22.2]	100.0
S Central/SW/SE (n=279)	37.7	[31.3, 44.6]	46.0	[39.1, 53.0]	0.7	[0.1, 5.0]	15.6	[11.0, 21.6]	100.0
Detroit Metro (n=398)	41.0	[35.2, 47.1]	47.2	[41.2, 53.4]	1.5	[0.6, 3.5]	10.3	[7.0, 15.0]	100.0
Pearson: Uncorrected chi2(9) =	16.3250								
Design-based F(7.96, 10767.91) =	1.2713	Pr =	0.254						
Chronic condition (2018 survey or DW)									
Yes (n=893)	44.0	[39.9, 48.2]	41.9	[37.8, 46.1]	1.2	[0.5, 2.6]	12.9	[10.2, 16.1]	100.0
No (n=471)	30.6	[25.8, 36.0]	53.8	[48.1, 59.4]	0.7	[0.2, 2.7]	14.9	[11.3, 19.3]	100.0
Pearson: Uncorrected chi2(3) =	26.5394								
Design-based F(3.00, 4050.60) =	5.2133	Pr =	0.001						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=160)	53.9	[44.1, 63.4]	29.7	[21.6, 39.3]	1.2	[0.2, 8.1]	15.2	[9.7, 23.0]	100.0
Mental health condition (n=489)	40.7	[35.4, 46.1]	47.4	[41.9, 53.0]	0.7	[0.2, 2.2]	11.2	[8.1, 15.4]	100.0
Substance use disorder (n=53)	46.6	[31.2, 62.6]	40.9	[26.4, 57.2]	0.0		12.5	[5.0, 27.8]	100.0
None (n=662)	33.5	[29.0, 38.2]	50.5	[45.5, 55.4]	1.2	[0.5, 2.9]	14.9	[11.6, 18.8]	100.0
Pearson: Uncorrected chi2(9) =	34.2115								
Design-based F(8.81, 11910.27) =	2.3936	Pr =	0.011						
Total (n=1,364)	38.9	[35.7, 42.2]	46.5	[43.1, 49.9]	1.0	[0.5, 2.0]	13.6	[11.4, 16.2]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.18 Summary: Would you say that your ability to get cancer screening through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get cancer screening	Weighted Proportion	95% CI
Better (n=568)	20.1	[18.2, 22.0]
About the same (n=607)	24.0	[21.9, 26.1]
Worse (n=10)	0.5	[0.3, 1.0]
Not applicable (n=1,233)	48.5	[46.0, 50.9]
Don't know (n=179)	7.0	[5.9, 8.4]

Note: Total n is less than universe N due to item non-response.

3.19 Q: Would you say that your ability to get help with staying healthy or preventing health problems through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

| | Ability to get help staying healthy/preventing health problems | | | | | | | | Total |
| | Better | | About the same | | Worse | | Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=911)	46.7	[42.7, 50.7]	47.6	[43.6, 51.6]	1.6	[0.8, 2.9]	4.1	[2.8, 6.2]	100.0
36-49 (n=616)	53.8	[48.8, 58.7]	42.3	[37.5, 47.2]	1.9	[1.0, 3.8]	2.0	[0.9, 4.4]	100.0
50-64 (n=762)	59.3	[54.9, 63.4]	37.1	[33.1, 41.4]	1.9	[0.9, 3.7]	1.8	[0.9, 3.3]	100.0
Pearson: Uncorrected chi2(6) =	31.5999								
Design-based F(5.78, 13170.60) =	3.5107	Pr =	0.002						
Gender									
Female (n=1,399)	50.1	[46.9, 53.3]	45.6	[42.4, 48.8]	1.7	[1.0, 2.8]	2.6	[1.6, 4.2]	100.0
Male (n=890)	52.8	[48.6, 56.9]	41.9	[37.9, 46.1]	1.8	[1.0, 3.2]	3.5	[2.3, 5.4]	100.0
Pearson: Uncorrected chi2(3) =	4.2962								
Design-based F(2.97, 6764.27) =	0.8199	Pr =	0.482						
Race/ethnicity									
White, non-Hispanic (n=1,505)	51.7	[48.4, 54.9]	44.7	[41.5, 47.9]	1.3	[0.8, 2.2]	2.4	[1.7, 3.4]	100.0
Black, non-Hispanic (n=373)	56.5	[50.2, 62.6]	40.6	[34.6, 46.9]	2.2	[0.9, 5.1]	0.7	[0.2, 2.5]	100.0
Hispanic (n=144)	48.0	[38.4, 57.8]	42.5	[32.9, 52.7]	2.2	[0.5, 8.6]	7.3	[2.9, 17.3]	100.0
Other, non-Hispanic (n=212)	43.4	[35.6, 51.5]	47.1	[39.1, 55.3]	1.9	[0.6, 5.6]	7.6	[3.7, 15.0]	100.0
Pearson: Uncorrected chi2(9) =	50.6557								
Design-based F(8.65, 19211.50) =	3.0404	Pr =	0.001						
FPL category									
0-35% (n=844)	53.5	[49.3, 57.6]	41.5	[37.5, 45.7]	1.9	[1.1, 3.3]	3.1	[1.8, 5.0]	100.0
36-99% (n=824)	49.5	[45.6, 53.3]	45.9	[42.1, 49.8]	1.4	[0.8, 2.5]	3.2	[1.9, 5.3]	100.0
100%+ (n=621)	48.2	[43.7, 52.7]	47.4	[42.9, 51.9]	1.7	[0.7, 4.1]	2.8	[1.6, 4.8]	100.0
Pearson: Uncorrected chi2(6) =	6.5515								
Design-based F(5.60, 12743.28) =	0.8140	Pr =	0.551						
Region									
UP/NW/NE (n=468)	52.8	[47.7, 57.9]	42.3	[37.3, 47.4]	0.5	[0.1, 1.7]	4.4	[2.6, 7.3]	100.0
W/E Central/E (n=687)	48.7	[44.4, 53.0]	48.1	[43.8, 52.4]	1.6	[0.9, 3.1]	1.6	[0.9, 3.0]	100.0
S Central/SW/SE (n=450)	52.9	[47.4, 58.2]	42.2	[37.0, 47.6]	2.0	[0.8, 4.9]	2.9	[1.4, 5.8]	100.0
Detroit Metro (n=684)	52.2	[47.6, 56.9]	42.1	[37.6, 46.8]	1.9	[1.1, 3.4]	3.7	[2.2, 6.2]	100.0
Pearson: Uncorrected chi2(9) =	14.4539								
Design-based F(7.71, 17566.20) =	1.2553	Pr =	0.264						
Chronic condition (2018 survey or DW)									
Yes (n=1,475)	54.7	[51.4, 57.9]	41.0	[37.9, 44.3]	1.9	[1.2, 3.0]	2.5	[1.6, 3.8]	100.0
No (n=814)	46.3	[42.0, 50.7]	48.2	[43.8, 52.5]	1.5	[0.8, 3.0]	4.0	[2.4, 6.4]	100.0
Pearson: Uncorrected chi2(3) =	18.0495								
Design-based F(2.98, 6783.51) =	3.4177	Pr =	0.017						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=263)	62.2	[54.9, 69.1]	35.1	[28.5, 42.5]	2.0	[0.7, 5.4]	0.6	[0.1, 2.4]	100.0
Mental health condition (n=863)	52.8	[48.6, 57.0]	43.5	[39.4, 47.7]	2.2	[1.2, 3.9]	1.5	[0.7, 3.0]	100.0
Substance use disorder (n=80)	62.6	[49.4, 74.3]	32.9	[21.8, 46.2]	1.1	[0.2, 7.4]	3.4	[1.0, 10.5]	100.0
None (n=1,083)	47.0	[43.2, 50.9]	46.9	[43.0, 50.8]	1.4	[0.7, 2.6]	4.7	[3.2, 6.9]	100.0
Pearson: Uncorrected chi2(9) =	46.6877								
Design-based F(8.55, 19470.39) =	3.8301	Pr =	0.000						
Total (n=2,289)	51.4	[48.8, 54.1]	43.8	[41.2, 46.4]	1.7	[1.2, 2.5]	3.0	[2.2, 4.2]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.20 Summary: Would you say that your ability to get help with staying healthy or preventing health problems through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get help staying healthy/preventing health problems	Weighted Proportion	95% CI
Better (n=1,208)	45.1	[42.7, 47.6]
About the same (n=988)	38.4	[36.1, 40.8]
Worse (n=34)	1.5	[1.0, 2.2]
Not applicable (n=308)	12.2	[10.7, 13.9]
Don't know (n=59)	2.7	[1.9, 3.7]

Note: Total n is less than universe N due to item non-response.

3.21 Q: Would you say that your ability to get birth control/family planning services through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

	Better		About the same		Worse		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=670)	40.8	[36.4, 45.4]	50.9	[46.2, 55.5]	1.8	[0.9, 3.6]	6.5	[4.5, 9.3]	100.0
36-49 (n=322)	35.3	[29.0, 42.3]	52.8	[45.9, 59.6]	1.1	[0.4, 2.8]	10.8	[7.5, 15.4]	100.0
50-64 (n=174)	33.1	[25.3, 41.8]	45.2	[36.3, 54.4]	3.7	[1.4, 9.3]	18.0	[11.7, 26.7]	100.0
Pearson: Uncorrected chi2(6) =	23.3725								
Design-based F(5.73, 6607.69) =	3.2937	Pr =	0.004						
Gender									
Female (n=768)	43.7	[39.4, 48.0]	47.2	[42.9, 51.6]	2.3	[1.2, 4.2]	6.9	[4.8, 9.7]	100.0
Male (n=398)	32.1	[26.6, 38.1]	55.7	[49.6, 61.6]	1.1	[0.4, 3.1]	11.1	[8.2, 14.9]	100.0
Pearson: Uncorrected chi2(3) =	21.9811								
Design-based F(2.99, 3448.06) =	4.6306	Pr =	0.003						
Race/ethnicity									
White, non-Hispanic (n=709)	38.9	[34.6, 43.5]	48.4	[43.7, 53.0]	2.1	[1.2, 3.6]	10.6	[8.1, 13.8]	100.0
Black, non-Hispanic (n=217)	40.4	[32.6, 48.8]	54.1	[45.8, 62.2]	1.4	[0.3, 7.2]	4.0	[2.2, 7.4]	100.0
Hispanic (n=87)	47.4	[36.0, 59.1]	41.8	[30.8, 53.7]	1.5	[0.2, 9.9]	9.3	[3.7, 21.7]	100.0
Other, non-Hispanic (n=130)	31.9	[23.7, 41.5]	57.9	[47.6, 67.6]	1.7	[0.4, 7.4]	8.4	[3.7, 18.2]	100.0
Pearson: Uncorrected chi2(9) =	18.4285								
Design-based F(8.32, 9405.95) =	1.2107	Pr =	0.286						
FPL category									
0-35% (n=358)	37.5	[31.8, 43.6]	50.5	[44.3, 56.6]	1.9	[0.8, 4.3]	10.2	[7.2, 14.2]	100.0
36-99% (n=473)	41.6	[36.8, 46.5]	49.7	[44.7, 54.7]	1.3	[0.6, 3.0]	7.4	[5.2, 10.5]	100.0
100%+ (n=335)	37.5	[31.9, 43.6]	53.3	[47.2, 59.3]	2.3	[0.9, 5.5]	6.9	[4.3, 10.8]	100.0
Pearson: Uncorrected chi2(6) =	5.1759								
Design-based F(5.67, 6542.08) =	0.7050	Pr =	0.637						
Region									
UP/NW/NE (n=214)	40.5	[33.3, 48.1]	49.7	[42.2, 57.2]	0.9	[0.3, 2.9]	8.9	[5.3, 14.5]	100.0
W/E Central/E (n=329)	36.7	[31.1, 42.8]	50.2	[44.1, 56.2]	2.3	[1.1, 4.7]	10.8	[7.6, 15.2]	100.0
S Central/SW/SE (n=237)	47.5	[40.1, 55.1]	43.0	[35.7, 50.6]	0.4	[0.1, 1.7]	9.0	[5.7, 14.0]	100.0
Detroit Metro (n=386)	35.7	[30.1, 41.7]	54.8	[48.7, 60.9]	2.3	[1.0, 5.0]	7.2	[4.6, 11.2]	100.0
Pearson: Uncorrected chi2(9) =	17.7735								
Design-based F(7.46, 8607.45) =	1.8547	Pr =	0.068						
Chronic condition (2018 survey or DW)									
Yes (n=623)	38.8	[34.1, 43.8]	49.7	[44.7, 54.6]	1.3	[0.7, 2.6]	10.2	[7.7, 13.4]	100.0
No (n=543)	38.6	[33.8, 43.7]	52.1	[46.8, 57.2]	2.3	[1.1, 4.7]	7.0	[4.7, 10.3]	100.0
Pearson: Uncorrected chi2(3) =	5.1090								
Design-based F(2.98, 3437.95) =	1.1527	Pr =	0.326						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=118)	47.0	[36.3, 58.0]	43.8	[33.2, 55.0]	0.3	[0.0, 1.8]	8.9	[4.8, 15.8]	100.0
Mental health condition (n=420)	41.2	[35.6, 47.2]	47.9	[42.0, 53.9]	3.1	[1.5, 6.5]	7.7	[5.1, 11.6]	100.0
Substance use disorder (n=33)	22.9	[10.5, 43.2]	67.8	[47.5, 83.1]	1.0	[0.1, 6.7]	8.3	[2.1, 27.3]	100.0
None (n=595)	36.3	[31.6, 41.3]	53.1	[48.0, 58.2]	1.3	[0.6, 2.8]	9.2	[6.7, 12.5]	100.0
Pearson: Uncorrected chi2(9) =	17.3017								
Design-based F(7.80, 8997.10) =	1.6080	Pr =	0.119						
Total (n=1,166)	38.7	[35.3, 42.3]	50.8	[47.2, 54.4]	1.8	[1.1, 3.0]	8.7	[6.9, 10.8]	100.0

Ability to get birth control/family planning services

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

3.22 Summary: Would you say that your ability to get birth control/family planning services through the Healthy Michigan Plan is better, worse or about the same, compared to before?

Universe: All respondents (N=2,602)

Ability to get birth control/family planning services	Weighted Proportion	95% CI
Better (n=472)	18.5	[16.7, 20.5]
About the same (n=570)	24.3	[22.2, 26.5]
Worse (n=21)	0.9	[0.5, 1.4]
Not applicable (n=1,426)	52.3	[49.8, 54.7]
Don't know (n=103)	4.1	[3.3, 5.2]

Note: Total n is less than universe N due to item non-response.

3.23 Improved ability to get any type of care

Universe: All respondents (N=2,602)

| | Improved ability to get any type of care | | | | |
| | **Yes** | | **No** | | **Total** |
	Row%	95%CI	Row%	95%CI	Row%
Age					
19-35 (n=1,036)	72.4	[68.9,75.6]	27.6	[24.4,31.1]	100.0
36-49 (n=696)	76.9	[73.1,80.3]	23.1	[19.7,26.9]	100.0
50-64 (n=870)	76.8	[73.3,80.0]	23.2	[20.0,26.7]	100.0
Pearson: Uncorrected chi2(2) =	6.9235				
Design-based F(1.95, 5046.10) =	2.6175	Pr =	0.075		
Gender					
Female (n=1,547)	72.4	[69.5,75.0]	27.6	[25.0,30.5]	100.0
Male (n=1,055)	76.7	[73.4,79.7]	23.3	[20.3,26.6]	100.0
Pearson: Uncorrected chi2(1) =	6.4486				
Design-based F(1.00, 2590.00) =	4.0147	Pr =	0.045		
Race/ethnicity					
White, non-Hispanic (n=1,696)	75.0	[72.3,77.4]	25.0	[22.6,27.7]	100.0
Black, non-Hispanic (n=422)	76.8	[71.6,81.3]	23.2	[18.7,28.4]	100.0
Hispanic (n=169)	72.7	[63.5,80.3]	27.3	[19.7,36.5]	100.0
Other, non-Hispanic (n=248)	70.4	[62.9,76.9]	29.6	[23.1,37.1]	100.0
Pearson: Uncorrected chi2(3) =	4.9071				
Design-based F(2.98, 7530.59) =	0.9197	Pr =	0.430		
FPL category					
0-35% (n=960)	76.9	[73.5,79.9]	23.1	[20.1,26.5]	100.0
36-99% (n=947)	72.4	[69.1,75.5]	27.6	[24.5,30.9]	100.0
100%+ (n=695)	70.9	[66.8,74.7]	29.1	[25.3,33.2]	100.0
Pearson: Uncorrected chi2(2) =	9.0438				
Design-based F(1.90, 4908.82) =	3.6146	Pr =	0.029		
Region					
UP/NW/NE (n=518)	75.3	[70.7,79.3]	24.7	[20.7,29.3]	100.0
W/E Central/E (n=770)	70.9	[67.1,74.5]	29.1	[25.5,32.9]	100.0
S Central/SW/SE (n=523)	78.4	[73.8,82.4]	21.6	[17.6,26.2]	100.0
Detroit Metro (n=791)	74.9	[71.1,78.4]	25.1	[21.6,28.9]	100.0
Pearson: Uncorrected chi2(3) =	9.0855				
Design-based F(2.68, 6930.80) =	2.4105	Pr =	0.072		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	77.4	[74.9,79.8]	22.6	[20.2,25.1]	100.0
No (n=958)	70.3	[66.5,73.9]	29.7	[26.1,33.5]	100.0
Pearson: Uncorrected chi2(1) =	16.5007				
Design-based F(1.00, 2590.00) =	10.2356	Pr =	0.001		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	81.8	[76.0,86.5]	18.2	[13.5,24.0]	100.0
Mental health condition (n=944)	78.1	[74.7,81.2]	21.9	[18.8,25.3]	100.0
Substance use disorder (n=100)	78.3	[67.6,86.2]	21.7	[13.8,32.4]	100.0
None (n=1,257)	70.1	[66.8,73.3]	29.9	[26.7,33.2]	100.0
Pearson: Uncorrected chi2(3) =	28.9813				
Design-based F(2.98, 7730.79) =	6.5739	Pr =	0.000		
Total (n=2,602)	74.6	[72.4,76.6]	25.4	[23.4,27.6]	100.0

Note: Improved ability to get any type of care was defined as those who reported their ability to get one or more of the following types of care through HMP was better compared to before: primary care, specialist care, dental care, mental health care, substance use treatment services, prescription medications, cancer screening, help with staying healthy or preventing health problems, or birth control/family planning services.

3.24 Q: During the 12 months before you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care?

Universe: All respondents (N=2,602)

	Less than $50		$51-100		$101-500		$501-2000		$2001-3000		$3001-5000		More than $5000		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age																	
19-35 (n=1,110)	47.7	[44.1, 51.3]	9.4	[7.4, 11.8]	18.8	[16.1, 21.8]	13.0	[10.8, 15.6]	2.4	[1.6, 3.6]	1.7	[1.0, 2.9]	1.4	[0.8, 2.6]	5.6	[4.1, 7.7]	100.0
36-49 (n=635)	40.3	[35.7, 45.1]	8.5	[6.0, 11.8]	18.5	[15.2, 22.4]	19.5	[15.7, 23.9]	2.6	[1.4, 4.6]	4.2	[2.4, 7.2]	2.6	[1.4, 5.0]	3.8	[2.4, 6.0]	100.0
50-64 (n=850)	31.9	[28.1, 35.9]	6.7	[4.9, 9.2]	23.0	[19.6, 26.8]	20.9	[17.8, 24.5]	4.7	[3.3, 6.7]	4.9	[3.4, 7.1]	5.3	[3.9, 7.1]	2.6	[1.6, 4.1]	100.0
Pearson: Uncorrected chi2(14) =	112.4867																
Design-based F(13.47, 34785.34) =	5.2994	Pr =	0.000														
Gender																	
Female (n=1,544)	41.7	[38.7, 44.8]	8.7	[7.1, 10.6]	19.8	[17.5, 22.3]	17.1	[14.9, 19.5]	2.7	[1.9, 3.8]	2.3	[1.6, 3.3]	3.3	[2.4, 4.4]	4.5	[3.4, 5.9]	100.0
Male (n=1,051)	42.4	[38.7, 46.1]	8.4	[6.4, 10.9]	19.6	[16.8, 22.8]	16.0	[13.4, 19.0]	3.3	[2.3, 4.7]	3.9	[2.6, 5.8]	2.0	[1.2, 3.5]	4.4	[3.0, 6.4]	100.0
Pearson: Uncorrected chi2(7) =	10.9182																
Design-based F(6.92, 17866.06) =	0.9853	Pr =	0.439														
Race/ethnicity																	
White, non-Hispanic (n=1,693)	39.2	[36.3, 42.2]	8.5	[6.8, 10.5]	21.9	[19.5, 24.4]	17.0	[14.9, 19.3]	3.0	[2.2, 4.0]	3.1	[2.3, 4.2]	3.2	[2.4, 4.3]	4.2	[3.2, 5.5]	100.0
Black, non-Hispanic (n=422)	42.8	[37.1, 48.6]	11.1	[7.9, 15.4]	18.3	[14.0, 23.5]	18.1	[14.0, 23.1]	2.5	[1.3, 4.8]	3.8	[1.8, 7.9]	0.7	[0.3, 1.9]	2.8	[1.2, 6.2]	100.0
Hispanic (n=168)	48.8	[39.8, 57.9]	5.5	[2.9, 10.2]	16.9	[11.1, 24.9]	13.0	[8.3, 19.7]	3.4	[1.4, 8.1]	2.7	[1.2, 5.9]	1.7	[0.5, 5.3]	7.9	[4.3, 14.2]	100.0
Other, non-Hispanic (n=247)	49.2	[41.8, 56.7]	5.6	[3.3, 9.4]	15.7	[11.1, 21.7]	12.2	[8.1, 17.9]	3.4	[1.5, 7.2]	2.6	[1.1, 6.1]	4.6	[2.0, 10.5]	6.8	[3.4, 13.2]	100.0
Pearson: Uncorrected chi2(21) =	60.6103																
Design-based F(19.07, 48023.52) =	1.7182	Pr =	0.026														
FPL category																	
0-35% (n=960)	41.4	[37.6, 45.2]	8.8	[6.7, 11.4]	18.5	[15.6, 21.7]	17.5	[14.8, 20.6]	2.8	[1.9, 4.1]	3.8	[2.5, 5.6]	2.7	[1.7, 4.2]	4.6	[3.2, 6.6]	100.0
36-99% (n=941)	44.5	[41.0, 48.1]	8.4	[6.6, 10.5]	20.7	[18.0, 23.7]	15.4	[13.0, 18.1]	2.3	[1.4, 3.5]	2.2	[1.4, 3.3]	2.4	[1.6, 3.6]	4.2	[2.9, 5.9]	100.0
100%+ (n=694)	40.5	[36.4, 44.8]	8.0	[6.0, 10.6]	21.9	[18.6, 25.5]	15.6	[12.9, 18.7]	4.5	[2.9, 6.8]	2.4	[1.4, 4.0]	2.8	[1.7, 4.4]	4.4	[3.0, 6.4]	100.0
Pearson: Uncorrected chi2(14) =	16.1049																
Design-based F(13.06, 33721.91) =	1.0152	Pr =	0.433														
Region																	
UP/NW/NE (n=516)	39.0	[34.3, 43.9]	6.1	[4.3, 8.7]	20.6	[17.0, 24.7]	17.5	[14.3, 21.2]	4.8	[3.2, 7.2]	2.9	[1.8, 4.7]	5.1	[3.4, 7.4]	3.9	[2.4, 6.3]	100.0
W/E Central/E (n=769)	41.6	[37.7, 45.7]	7.2	[5.3, 9.7]	20.4	[17.5, 23.7]	16.9	[14.1, 20.0]	4.1	[2.8, 5.9]	2.7	[1.7, 4.2]	2.3	[1.5, 3.5]	4.9	[3.3, 7.1]	100.0
S Central/SW/SE (n=522)	46.7	[41.8, 51.7]	7.9	[5.7, 10.8]	19.1	[15.7, 23.1]	13.2	[10.2, 17.0]	2.0	[1.0, 3.9]	3.3	[2.0, 5.4]	2.3	[1.4, 3.9]	5.4	[3.6, 8.1]	100.0
Detroit Metro (n=788)	40.8	[36.7, 45.0]	10.0	[7.6, 13.0]	19.4	[16.2, 23.0]	17.7	[14.7, 21.1]	2.4	[1.5, 3.9]	3.3	[2.0, 5.4]	2.5	[1.5, 4.3]	3.9	[2.4, 6.1]	100.0
Pearson: Uncorrected chi2(21) =	31.4419																
Design-based F(17.76, 45883.28) =	1.2930	Pr =	0.182														
Chronic condition (2018 survey and/or DW)																	
Yes (n=1,836)	38.7	[35.9, 41.5]	7.9	[6.4, 9.8]	20.7	[18.4, 23.2]	18.7	[16.5, 21.1]	3.6	[2.7, 4.7]	3.2	[2.4, 4.3]	3.4	[2.5, 4.6]	3.9	[3.0, 5.0]	100.0
No (n=759)	49.2	[44.7, 53.8]	9.8	[7.3, 12.9]	17.7	[14.7, 21.1]	12.0	[9.5, 15.2]	1.7	[0.9, 3.1]	2.8	[1.4, 5.5]	1.1	[0.6, 2.0]	5.7	[3.7, 8.7]	100.0
Pearson: Uncorrected chi2(7) =	57.6498																
Design-based F(6.57, 16980.23) =	4.9711	Pr =	0.000														
Mental health condition or substance use disorder (2018 survey and/or DW)																	
Yes (n=872)	39.1	[35.1, 43.2]	7.0	[5.1, 9.4]	19.9	[16.9, 23.3]	18.3	[15.3, 21.7]	3.6	[2.4, 5.3]	3.2	[2.2, 4.8]	4.1	[2.6, 6.4]	4.8	[3.3, 6.8]	100.0
No (n=1,723)	43.5	[40.5, 46.5]	9.3	[7.6, 11.3]	19.6	[17.3, 22.1]	15.7	[13.6, 18.0]	2.7	[1.9, 3.7]	3.0	[2.1, 4.4]	1.9	[1.4, 2.6]	4.3	[3.1, 5.8]	100.0
Pearson: Uncorrected chi2(7) =	20.8649																
Design-based F(6.96, 17966.15) =	2.0056	Pr =	0.051														
Total (n=2,595)	42.0	[39.7, 44.5]	8.5	[7.2, 10.1]	19.7	[17.9, 21.7]	16.6	[14.8, 18.4]	3.0	[2.3, 3.8]	3.1	[2.3, 4.1]	2.6	[2.0, 3.5]	4.4	[3.5, 5.6]	100.0

Note: Total n is less than universe N due to item non-response.

3.25 Q: In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?

Universe: All respondents (N=2,602)

	Less than $50		$51-100		$101-500		Out-of-pocket costs in last 12 months $501-2,000		$2,001-3,000		$3,001-5,000		More than $5,000		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age																	
19-35 (n=1,107)	55.5	[51.9, 59.0]	5.8	[4.4, 7.7]	11.0	[8.9, 13.5]	5.0	[3.8, 6.6]	0.3	[0.1, 0.7]	0.2	[0.0, 0.8]	0.0		22.3	[19.5, 25.4]	100.0
36-49 (n=635)	48.7	[43.9, 53.6]	7.5	[5.3, 10.4]	13.3	[10.4, 16.9]	4.8	[3.3, 6.9]	1.1	[0.4, 2.7]	1.2	[0.3, 4.3]	0.3	[0.1, 1.3]	23.1	[19.2, 27.6]	100.0
50-64 (n=849)	55.5	[51.4, 59.5]	5.3	[3.9, 7.3]	12.6	[10.1, 15.7]	6.9	[5.1, 9.3]	0.9	[0.4, 1.7]	0.5	[0.2, 1.3]	0.1	[0.0, 0.4]	18.2	[15.3, 21.4]	100.0
Pearson: Uncorrected chi2(14) =	35.3439																
Design-based F(12.61, 32520.64) =	2.0437	Pr =	0.015														
Gender																	
Female (n=1,544)	53.4	[50.3, 56.4]	6.4	[5.2, 8.0]	11.6	[9.8, 13.7]	5.1	[4.1, 6.4]	0.6	[0.3, 1.1]	0.6	[0.2, 1.6]	0.1	[0.0, 0.6]	22.1	[19.6, 24.7]	100.0
Male (n=1,047)	54.1	[50.3, 57.8]	5.8	[4.3, 7.8]	12.3	[10.1, 15.0]	5.6	[4.3, 7.4]	0.7	[0.3, 1.5]	0.4	[0.1, 1.9]	0.1	[0.0, 0.4]	21.0	[18.1, 24.2]	100.0
Pearson: Uncorrected chi2(7) =	2.5402																
Design-based F(6.17, 15914.57) =	0.2423	Pr =	0.965														
Race/ethnicity																	
White, non-Hispanic (n=1,692)	50.9	[47.9, 53.8]	7.2	[5.7, 9.0]	13.4	[11.6, 15.5]	6.1	[4.9, 7.6]	0.8	[0.4, 1.5]	0.6	[0.3, 1.5]	0.2	[0.1, 0.6]	20.8	[18.6, 23.1]	100.0
Black, non-Hispanic (n=420)	61.3	[55.3, 67.0]	4.7	[2.9, 7.5]	10.2	[6.8, 14.9]	2.8	[1.6, 5.0]	0.1	[0.0, 0.7]	0.7	[0.1, 4.9]	0.0		20.1	[15.6, 25.7]	100.0
Hispanic (n=168)	55.0	[46.0, 63.8]	5.5	[2.8, 10.6]	8.6	[5.0, 14.2]	6.2	[3.2, 11.6]	1.1	[0.3, 3.3]	0.0		0.0		23.6	[16.7, 32.3]	100.0
Other, non-Hispanic (n=245)	53.1	[45.6, 60.5]	4.3	[2.3, 7.6]	11.6	[7.5, 17.4]	7.2	[4.4, 11.5]	0.2	[0.0, 1.4]	0.0		0.0		23.7	[17.8, 30.7]	100.0
Pearson: Uncorrected chi2(21) =	43.0869																
Design-based F(16.20, 40720.17) =	1.3741	Pr =	0.143														
FPL category																	
0-35% (n=956)	60.9	[57.0, 64.6]	4.6	[3.2, 6.6]	10.2	[8.0, 12.9]	4.2	[3.0, 5.8]	0.5	[0.2, 1.4]	0.7	[0.2, 2.1]	0.0		19.0	[16.1, 22.2]	100.0
36-99% (n=943)	50.8	[47.2, 54.3]	7.2	[5.6, 9.3]	10.2	[8.3, 12.6]	5.6	[4.2, 7.4]	0.8	[0.4, 1.5]	0.4	[0.1, 1.0]	0.2	[0.1, 0.7]	24.8	[21.8, 28.1]	100.0
100%+ (n=692)	37.5	[33.4, 41.8]	8.9	[6.7, 11.6]	19.7	[16.6, 23.2]	8.5	[6.5, 11.0]	0.7	[0.3, 1.8]	0.4	[0.1, 1.8]	0.3	[0.0, 1.8]	24.2	[20.8, 27.9]	100.0
Pearson: Uncorrected chi2(14) =	107.6068																
Design-based F(12.76, 32917.01) =	6.6005	Pr =	0.000														
Region																	
UP/NW/NE (n=517)	51.3	[46.7, 55.8]	6.9	[4.8, 9.7]	14.1	[11.1, 17.8]	5.6	[4.0, 7.8]	0.7	[0.2, 2.1]	0.2	[0.0, 1.1]	0.4	[0.1, 2.2]	20.9	[17.4, 24.8]	100.0
W/E Central/E (n=768)	52.9	[49.0, 56.8]	5.8	[4.4, 7.8]	13.1	[10.6, 15.9]	6.1	[4.4, 8.3]	0.7	[0.3, 1.6]	0.3	[0.1, 1.0]	0.0		21.1	[18.1, 24.5]	100.0
S Central/SW/SE (n=520)	55.7	[50.8, 60.5]	8.2	[5.8, 11.5]	8.8	[6.5, 11.9]	7.2	[5.1, 10.0]	0.8	[0.3, 1.7]	0.1	[0.0, 1.0]	0.0		19.2	[15.7, 23.4]	100.0
Detroit Metro (n=786)	53.8	[49.6, 58.0]	5.2	[3.6, 7.4]	12.3	[9.8, 15.4]	4.1	[3.0, 5.8]	0.5	[0.2, 1.5]	0.9	[0.3, 2.6]	0.1	[0.0, 0.7]	22.9	[19.6, 26.7]	100.0
Pearson: Uncorrected chi2(21) =	31.2668																
Design-based F(17.34, 44712.20) =	1.5228	Pr =	0.075														
Chronic condition (2018 survey and/or DW)																	
Yes (n=1,833)	53.1	[50.3, 56.0]	6.2	[4.9, 7.7]	12.4	[10.6, 14.5]	6.0	[4.8, 7.4]	0.8	[0.5, 1.5]	0.6	[0.2, 1.7]	0.2	[0.0, 0.5]	20.7	[18.5, 23.1]	100.0
No (n=758)	55.0	[50.5, 59.4]	6.0	[4.3, 8.2]	11.0	[8.7, 13.9]	4.1	[2.9, 5.8]	0.2	[0.1, 0.7]	0.4	[0.1, 0.9]	0.0		23.3	[19.6, 27.3]	100.0
Pearson: Uncorrected chi2(7) =	11.5649																
Design-based F(6.55, 16886.42) =	1.3413	Pr =	0.230														
Mental health condition or substance use disorder (2018 survey and/or DW)																	
Yes (n=870)	55.4	[51.3, 59.3]	6.4	[4.6, 8.7]	11.3	[8.9, 14.3]	6.3	[4.7, 8.4]	0.4	[0.2, 0.9]	0.5	[0.1, 2.4]	0.3	[0.1, 1.0]	19.5	[16.6, 22.8]	100.0
No (n=1,721)	53.0	[49.9, 55.9]	6.0	[4.8, 7.5]	12.3	[10.5, 14.4]	5.0	[3.9, 6.2]	0.8	[0.4, 1.4]	0.5	[0.2, 1.4]	0.0	[0.0, 0.2]	22.5	[20.1, 25.1]	100.0
Pearson: Uncorrected chi2(7) =	9.9350																
Design-based F(5.83, 15045.99) =	1.0201	Pr =	0.409														
Total (n=2,591)	53.7	[51.3, 56.1]	6.1	[5.1, 7.3]	12.0	[10.5, 13.6]	5.4	[4.5, 6.4]	0.6	[0.4, 1.1]	0.5	[0.2, 1.2]	0.1	[0.0, 0.3]	21.5	[19.6, 23.6]	100.0

Note: Total n is less than universe N due to item non-response.

3.26 Q: In the 12 months before enrolling in the Healthy Michigan Plan, did you have problems paying medical bills?

Universe: All respondents (N=2,602)

| | Problems paying medical bills in 12 months prior to HMP | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,026)	28.0	[24.7, 31.5]	72.0	[68.5, 75.3]	100.0
36-49 (n=688)	45.7	[41.1, 50.4]	54.3	[49.6, 58.9]	100.0
50-64 (n=867)	42.8	[38.9, 46.9]	57.2	[53.1, 61.1]	100.0
Pearson: Uncorrected chi2(2) =	75.9094				
Design-based F(1.94, 4980.25) =	26.1059	Pr =	0.000		
Gender					
Female (n=1,535)	35.2	[32.4, 38.2]	64.8	[61.8, 67.6]	100.0
Male (n=1,046)	36.7	[33.1, 40.5]	63.3	[59.5, 66.9]	100.0
Pearson: Uncorrected chi2(1) =	0.6201				
Design-based F(1.00, 2569.00) =	0.3888	Pr =	0.533		
Race/ethnicity					
White, non-Hispanic (n=1,681)	35.6	[32.9, 38.5]	64.4	[61.5, 67.1]	100.0
Black, non-Hispanic (n=421)	42.6	[36.8, 48.6]	57.4	[51.4, 63.2]	100.0
Hispanic (n=166)	33.8	[25.6, 43.1]	66.2	[56.9, 74.4]	100.0
Other, non-Hispanic (n=246)	29.9	[23.3, 37.4]	70.1	[62.6, 76.7]	100.0
Pearson: Uncorrected chi2(3) =	15.8432				
Design-based F(2.97, 7435.54) =	2.9632	Pr =	0.031		
FPL category					
0-35% (n=953)	40.1	[36.3, 43.9]	59.9	[56.1, 63.7]	100.0
36-99% (n=937)	30.0	[26.9, 33.3]	70.0	[66.7, 73.1]	100.0
100%+ (n=691)	32.6	[28.8, 36.7]	67.4	[63.3, 71.2]	100.0
Pearson: Uncorrected chi2(2) =	23.1380				
Design-based F(1.89, 4865.06) =	10.0258	Pr =	0.000		
Region					
UP/NW/NE (n=514)	38.7	[34.1, 43.4]	61.3	[56.6, 65.9]	100.0
W/E Central/E (n=763)	36.7	[32.9, 40.7]	63.3	[59.3, 67.1]	100.0
S Central/SW/SE (n=517)	33.5	[29.0, 38.4]	66.5	[61.6, 71.0]	100.0
Detroit Metro (n=787)	36.1	[32.0, 40.3]	63.9	[59.7, 68.0]	100.0
Pearson: Uncorrected chi2(3) =	2.2461				
Design-based F(2.63, 6757.53) =	0.6130	Pr =	0.585		
Chronic condition (2018 survey or DW)					
Yes (n=1,632)	42.3	[39.2, 45.4]	57.7	[54.6, 60.8]	100.0
No (n=949)	26.6	[23.2, 30.3]	73.4	[69.7, 76.8]	100.0
Pearson: Uncorrected chi2(1) =	66.4794				
Design-based F(1.00, 2569.00) =	39.6746	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	51.3	[44.3, 58.4]	48.7	[41.6, 55.7]	100.0
Mental health condition (n=930)	39.2	[35.4, 43.1]	60.8	[56.9, 64.6]	100.0
Substance use disorder (n=100)	43.7	[32.6, 55.5]	56.3	[44.5, 67.4]	100.0
None (n=1,251)	29.4	[26.3, 32.8]	70.6	[67.2, 73.7]	100.0
Pearson: Uncorrected chi2(3) =	63.8881				
Design-based F(2.99, 7669.88) =	13.5646	Pr =	0.000		
Total (n=2,581)	36.0	[33.7, 38.4]	64.0	[61.6, 66.3]	100.0

Note: Total n is less than universe N due to item non-response.

3.26.1 Q: Because of these problems paying medical bills, have you or your family been contacted by a collections agency?

Universe: Respondents who had problems paying medical bills in the 12 months prior to HMP (N=980)

| | Contacted by a collections agency in 12 months prior to HMP | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=278)	64.5	[57.2, 71.2]	35.5	[28.8, 42.8]	100.0
36-49 (n=290)	69.3	[62.2, 75.7]	30.7	[24.3, 37.8]	100.0
50-64 (n=398)	60.7	[54.8, 66.3]	39.3	[33.7, 45.2]	100.0
Pearson: Uncorrected chi2(2) =	4.8457				
Design-based F(1.91, 1824.85) =	1.5090	Pr =	0.222		
Gender					
Female (n=592)	66.4	[61.7, 70.8]	33.6	[29.2, 38.3]	100.0
Male (n=374)	63.7	[57.3, 69.6]	36.3	[30.4, 42.7]	100.0
Pearson: Uncorrected chi2(1) =	0.8052				
Design-based F(1.00, 954.00) =	0.4991	Pr =	0.480		
Race/ethnicity					
White, non-Hispanic (n=653)	61.7	[57.0, 66.3]	38.3	[33.7, 43.0]	100.0
Black, non-Hispanic (n=171)	72.7	[63.6, 80.2]	27.3	[19.8, 36.4]	100.0
Hispanic (n=54)	50.9	[35.0, 66.6]	49.1	[33.4, 65.0]	100.0
Other, non-Hispanic (n=70)	75.0	[60.7, 85.4]	25.0	[14.6, 39.3]	100.0
Pearson: Uncorrected chi2(3) =	18.7560				
Design-based F(2.98, 2785.39) =	3.2756	Pr =	0.021		
FPL category					
0-35% (n=404)	67.5	[61.5, 72.9]	32.5	[27.1, 38.5]	100.0
36-99% (n=317)	60.0	[53.8, 66.0]	40.0	[34.0, 46.2]	100.0
100%+ (n=245)	62.8	[55.6, 69.5]	37.2	[30.5, 44.4]	100.0
Pearson: Uncorrected chi2(2) =	4.2105				
Design-based F(1.89, 1800.38) =	1.7989	Pr =	0.168		
Region					
UP/NW/NE (n=216)	62.6	[55.2, 69.5]	37.4	[30.5, 44.8]	100.0
W/E Central/E (n=293)	64.6	[58.2, 70.6]	35.4	[29.4, 41.8]	100.0
S Central/SW/SE (n=183)	68.2	[59.9, 75.6]	31.8	[24.4, 40.1]	100.0
Detroit Metro (n=274)	64.5	[57.1, 71.2]	35.5	[28.8, 42.9]	100.0
Pearson: Uncorrected chi2(3) =	1.1318				
Design-based F(2.59, 2472.51) =	0.2995	Pr =	0.796		
Chronic condition (2018 survey or DW)					
Yes (n=707)	64.7	[60.0, 69.3]	35.3	[30.7, 40.0]	100.0
No (n=259)	65.7	[58.2, 72.4]	34.3	[27.6, 41.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0762				
Design-based F(1.00, 954.00) =	0.0449	Pr =	0.832		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=155)	70.1	[59.7, 78.7]	29.9	[21.3, 40.3]	100.0
Mental health condition (n=390)	68.5	[62.4, 74.1]	31.5	[25.9, 37.6]	100.0
Substance use disorder (n=45)	81.8	[67.2, 90.8]	18.2	[9.2, 32.8]	100.0
None (n=376)	57.7	[51.0, 64.1]	42.3	[35.9, 49.0]	100.0
Pearson: Uncorrected chi2(3) =	18.9100				
Design-based F(2.86, 2729.37) =	4.0396	Pr =	0.008		
Total (n=966)	65.0	[61.0, 68.8]	35.0	[31.2, 39.0]	100.0

Note: Total n is less than universe N due to item non-response.

3.26.2 Q: Because of these problems paying medical bills, have you or your family thought about filing for bankruptcy?

Universe: Respondents who had problems paying medical bills in the 12 months prior to HMP (N=980)

	Thought about filing for bankruptcy in 12 months prior to HMP				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=283)	19.5	[14.4, 25.8]	80.5	[74.2, 85.6]	100.0
36-49 (n=293)	31.1	[24.7, 38.4]	68.9	[61.6, 75.3]	100.0
50-64 (n=401)	29.1	[23.9, 34.9]	70.9	[65.1, 76.1]	100.0
Pearson: Uncorrected chi2(2) =	14.2897				
Design-based F(1.92, 1853.36) =	4.3301	Pr =	0.014		
Gender					
Female (n=595)	23.3	[19.4, 27.9]	76.7	[72.1, 80.6]	100.0
Male (n=382)	28.4	[23.1, 34.3]	71.6	[65.7, 76.9]	100.0
Pearson: Uncorrected chi2(1) =	3.2064				
Design-based F(1.00, 965.00) =	1.9910	Pr =	0.159		
Race/ethnicity					
White, non-Hispanic (n=659)	24.5	[20.7, 28.8]	75.5	[71.2, 79.3]	100.0
Black, non-Hispanic (n=174)	26.6	[19.1, 35.7]	73.4	[64.3, 80.9]	100.0
Hispanic (n=54)	19.5	[10.0, 34.4]	80.5	[65.6, 90.0]	100.0
Other, non-Hispanic (n=72)	34.1	[21.9, 48.9]	65.9	[51.1, 78.1]	100.0
Pearson: Uncorrected chi2(3) =	5.3832				
Design-based F(2.94, 2781.70) =	0.9621	Pr =	0.408		
FPL category					
0-35% (n=408)	29.1	[24.0, 34.7]	70.9	[65.3, 76.0]	100.0
36-99% (n=320)	18.1	[14.0, 23.0]	81.9	[77.0, 86.0]	100.0
100%+ (n=249)	25.0	[19.3, 31.7]	75.0	[68.3, 80.7]	100.0
Pearson: Uncorrected chi2(2) =	10.0962				
Design-based F(1.91, 1847.65) =	4.7685	Pr =	0.010		
Region					
UP/NW/NE (n=217)	24.2	[18.3, 31.3]	75.8	[68.7, 81.7]	100.0
W/E Central/E (n=297)	25.8	[20.6, 31.9]	74.2	[68.1, 79.4]	100.0
S Central/SW/SE (n=185)	26.2	[19.2, 34.5]	73.8	[65.5, 80.8]	100.0
Detroit Metro (n=278)	26.3	[20.5, 33.0]	73.7	[67.0, 79.5]	100.0
Pearson: Uncorrected chi2(3) =	0.1769				
Design-based F(2.63, 2534.67) =	0.0465	Pr =	0.979		
Chronic condition (2018 survey or DW)					
Yes (n=717)	27.1	[23.1, 31.5]	72.9	[68.5, 76.9]	100.0
No (n=260)	23.2	[17.1, 30.7]	76.8	[69.3, 82.9]	100.0
Pearson: Uncorrected chi2(1) =	1.6005				
Design-based F(1.00, 965.00) =	0.8592	Pr =	0.354		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=155)	36.8	[28.0, 46.6]	63.2	[53.4, 72.0]	100.0
Mental health condition (n=395)	25.0	[20.0, 30.7]	75.0	[69.3, 80.0]	100.0
Substance use disorder (n=46)	21.9	[10.8, 39.4]	78.1	[60.6, 89.2]	100.0
None (n=381)	22.5	[17.3, 28.7]	77.5	[71.3, 82.7]	100.0
Pearson: Uncorrected chi2(3) =	13.8307				
Design-based F(2.97, 2867.83) =	2.8342	Pr =	0.037		
Total (n=977)	25.9	[22.5, 29.6]	74.1	[70.4, 77.5]	100.0

Note: Total n is less than universe N due to item non-response.

3.26.2.1 Q: Did you file for bankruptcy?

Universe: Respondents who had problems paying medical bills in the 12 months prior to HMP and thought about filing for bankruptcy (N=245)

| | Filed for bankruptcy in 12 months prior to HMP | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=52)	19.6	[8.8, 38.0]	80.4	[62.0, 91.2]	100.0
36-49 (n=83)	25.8	[15.4, 39.9]	74.2	[60.1, 84.6]	100.0
50-64 (n=110)	27.9	[18.8, 39.1]	72.1	[60.9, 81.2]	100.0
Pearson: Uncorrected chi2(2) =	1.5038				
Design-based F(1.88, 437.54) =	0.4006	Pr =	0.657		
Gender					
Female (n=138)	29.3	[20.7, 39.6]	70.7	[60.4, 79.3]	100.0
Male (n=107)	20.9	[12.3, 33.4]	79.1	[66.6, 87.7]	100.0
Pearson: Uncorrected chi2(1) =	2.2603				
Design-based F(1.00, 233.00) =	1.2577	Pr =	0.263		
Race/ethnicity					
White, non-Hispanic (n=159)	31.1	[23.0, 40.5]	68.9	[59.5, 77.0]	100.0
Black, non-Hispanic (n=46)	20.7	[8.3, 43.0]	79.3	[57.0, 91.7]	100.0
Hispanic (n=11)	5.7	[1.1, 23.9]	94.3	[76.1, 98.9]	100.0
Other, non-Hispanic (n=24)	19.6	[5.7, 49.5]	80.4	[50.5, 94.3]	100.0
Pearson: Uncorrected chi2(3) =	5.9862				
Design-based F(2.32, 528.23) =	1.0876	Pr =	0.344		
FPL category					
0-35% (n=117)	22.8	[14.6, 33.8]	77.2	[66.2, 85.4]	100.0
36-99% (n=65)	35.5	[23.4, 49.8]	64.5	[50.2, 76.6]	100.0
100%+ (n=63)	21.6	[11.8, 36.2]	78.4	[63.8, 88.2]	100.0
Pearson: Uncorrected chi2(2) =	2.8968				
Design-based F(1.90, 443.38) =	1.3281	Pr =	0.266		
Region					
UP/NW/NE (n=52)	19.3	[10.1, 33.6]	80.7	[66.4, 89.9]	100.0
W/E Central/E (n=75)	20.5	[12.8, 31.3]	79.5	[68.7, 87.2]	100.0
S Central/SW/SE (n=45)	23.7	[12.6, 40.0]	76.3	[60.0, 87.4]	100.0
Detroit Metro (n=73)	28.5	[17.0, 43.6]	71.5	[56.4, 83.0]	100.0
Pearson: Uncorrected chi2(3) =	1.8674				
Design-based F(2.52, 587.07) =	0.5438	Pr =	0.622		
Chronic condition (2018 survey or DW)					
Yes (n=193)	28.6	[20.8, 38.1]	71.4	[61.9, 79.2]	100.0
No (n=52)	13.2	[6.5, 25.0]	86.8	[75.0, 93.5]	100.0
Pearson: Uncorrected chi2(1) =	6.0909				
Design-based F(1.00, 233.00) =	4.9441	Pr =	0.027		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=57)	25.0	[13.1, 42.4]	75.0	[57.6, 86.9]	100.0
Mental health condition (n=93)	29.9	[19.7, 42.5]	70.1	[57.5, 80.3]	100.0
Substance use disorder (n=10)	17.3	[2.5, 63.6]	82.7	[36.4, 97.5]	100.0
None (n=85)	19.9	[10.3, 34.9]	80.1	[65.1, 89.7]	100.0
Pearson: Uncorrected chi2(3) =	2.6317				
Design-based F(2.97, 691.00) =	0.4968	Pr =	0.682		
Total (n=245)	24.6	[18.1, 32.4]	75.4	[67.6, 81.9]	100.0

3.26.3   Q: Since enrolling in Healthy Michigan, have your problems paying medical bills gotten worse, stayed the same, or gotten better?

Universe: Respondents who had problems paying medical bills in the 12 months prior to HMP (N=980)

	Gotten better		Stayed the same		Gotten worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=282)	87.9	[83.1, 91.5]	10.4	[7.1, 15.1]	1.7	[0.8, 3.6]	100.0
36-49 (n=291)	83.2	[76.9, 88.1]	15.1	[10.4, 21.3]	1.7	[0.7, 4.5]	100.0
50-64 (n=397)	84.4	[79.2, 88.4]	12.1	[8.6, 16.8]	3.5	[1.7, 7.1]	100.0
Pearson: Uncorrected chi2(4) =	6.6071						
Design-based F(3.87, 3706.71) =	1.2118	Pr =	0.304				
Gender							
Female (n=593)	86.6	[82.7, 89.7]	11.3	[8.4, 15.1]	2.1	[1.2, 3.7]	100.0
Male (n=377)	84.3	[79.5, 88.1]	13.4	[9.8, 17.9]	2.3	[1.1, 4.6]	100.0
Pearson: Uncorrected chi2(2) =	1.0065						
Design-based F(1.96, 1879.33) =	0.3719	Pr =	0.685				
Race/ethnicity							
White, non-Hispanic (n=654)	85.5	[81.8, 88.6]	11.9	[9.2, 15.4]	2.5	[1.4, 4.6]	100.0
Black, non-Hispanic (n=173)	84.5	[77.1, 89.9]	13.1	[8.2, 20.3]	2.4	[1.0, 5.7]	100.0
Hispanic (n=54)	89.8	[74.0, 96.4]	8.5	[2.5, 25.5]	1.7	[0.4, 6.8]	100.0
Other, non-Hispanic (n=71)	88.6	[77.5, 94.6]	10.7	[4.9, 21.9]	0.7	[0.1, 5.1]	100.0
Pearson: Uncorrected chi2(6) =	2.5494						
Design-based F(5.12, 4817.37) =	0.3093	Pr =	0.911				
FPL category							
0-35% (n=407)	85.5	[81.1, 89.1]	12.8	[9.5, 17.1]	1.7	[0.8, 3.7]	100.0
36-99% (n=315)	86.6	[81.5, 90.4]	11.2	[7.7, 15.9]	2.3	[1.0, 5.2]	100.0
100%+ (n=248)	83.3	[77.0, 88.2]	12.6	[8.3, 18.7]	4.1	[2.1, 7.8]	100.0
Pearson: Uncorrected chi2(4) =	3.7411						
Design-based F(3.88, 3715.45) =	0.8381	Pr =	0.498				
Region							
UP/NW/NE (n=217)	90.2	[84.6, 93.9]	8.7	[5.2, 14.2]	1.1	[0.4, 3.5]	100.0
W/E Central/E (n=295)	85.9	[80.4, 90.0]	12.2	[8.3, 17.7]	1.9	[0.9, 3.8]	100.0
S Central/SW/SE (n=184)	81.4	[73.7, 87.2]	15.2	[9.9, 22.7]	3.4	[1.5, 7.3]	100.0
Detroit Metro (n=274)	85.7	[80.4, 89.7]	12.1	[8.4, 17.2]	2.2	[0.9, 5.0]	100.0
Pearson: Uncorrected chi2(6) =	4.5530						
Design-based F(5.02, 4811.32) =	0.7103	Pr =	0.616				
Chronic condition (2018 survey or DW)							
Yes (n=713)	85.4	[81.9, 88.3]	11.8	[9.2, 15.2]	2.8	[1.7, 4.6]	100.0
No (n=257)	85.4	[79.2, 90.0]	13.7	[9.2, 19.9]	0.9	[0.3, 2.5]	100.0
Pearson: Uncorrected chi2(2) =	3.7751						
Design-based F(1.76, 1681.82) =	1.5452	Pr =	0.216				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=154)	84.5	[76.3, 90.2]	11.4	[6.6, 18.8]	4.1	[1.6, 10.2]	100.0
Mental health condition (n=395)	85.5	[80.4, 89.5]	13.4	[9.6, 18.5]	1.0	[0.4, 2.6]	100.0
Substance use disorder (n=42)	73.4	[53.0, 87.1]	22.9	[10.0, 44.2]	3.7	[0.9, 14.0]	100.0
None (n=379)	87.0	[82.4, 90.5]	10.8	[7.6, 15.2]	2.2	[1.1, 4.3]	100.0
Pearson: Uncorrected chi2(6) =	11.4979						
Design-based F(5.57, 5336.22) =	1.4010	Pr =	0.214				
Total (n=970)	85.4	[82.4, 88.0]	12.4	[10.0, 15.3]	2.2	[1.4, 3.5]	100.0

Note: Total n is less than universe N due to item non-response.

4 Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

4.1 Q: In the last 7 days, how many days did you exercise for at least 20 minutes?

Universe: All respondents (N=2,602)

	Every day		3-6 days		1-2 days		0 days		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=1,032)	19.0	[16.3, 21.9]	41.0	[37.4, 44.8]	21.0	[17.9, 24.4]	19.0	[16.2, 22.2]	100.0
36-49 (n=692)	25.8	[21.9, 30.0]	36.7	[32.3, 41.4]	15.9	[12.9, 19.4]	21.6	[18.0, 25.8]	100.0
50-64 (n=869)	30.7	[27.1, 34.5]	34.7	[30.9, 38.7]	14.4	[11.8, 17.4]	20.3	[17.1, 23.9]	100.0
Pearson: Uncorrected chi2(6) =	45.4635								
Design-based F(5.82, 15033.49) =	5.2838	Pr =	0.000						
Gender									
Female (n=1,542)	20.6	[18.4, 23.0]	36.2	[33.3, 39.2]	20.2	[17.7, 23.0]	23.0	[20.3, 25.8]	100.0
Male (n=1,051)	26.1	[23.0, 29.5]	40.6	[37.0, 44.4]	16.2	[13.4, 19.3]	17.1	[14.4, 20.1]	100.0
Pearson: Uncorrected chi2(3) =	28.8453								
Design-based F(2.96, 7641.26) =	5.8140	Pr =	0.001						
Race/ethnicity									
White, non-Hispanic (n=1,693)	25.6	[23.1, 28.3]	38.8	[35.9, 41.8]	18.2	[15.9, 20.8]	17.3	[15.2, 19.7]	100.0
Black, non-Hispanic (n=421)	19.8	[15.7, 24.7]	37.4	[31.9, 43.3]	15.9	[12.0, 20.7]	26.9	[21.8, 32.7]	100.0
Hispanic (n=168)	24.2	[17.6, 32.3]	34.0	[25.7, 43.4]	18.2	[12.3, 26.1]	23.6	[16.6, 32.4]	100.0
Other, non-Hispanic (n=247)	19.0	[14.1, 25.0]	40.7	[33.7, 48.1]	21.0	[15.0, 28.6]	19.4	[13.9, 26.3]	100.0
Pearson: Uncorrected chi2(9) =	33.1450								
Design-based F(8.80, 22144.61) =	2.0867	Pr =	0.028						
FPL category									
0-35% (n=957)	23.5	[20.6, 26.8]	34.1	[30.5, 37.9]	18.8	[15.8, 22.2]	23.6	[20.5, 27.0]	100.0
36-99% (n=942)	24.2	[21.3, 27.4]	44.0	[40.5, 47.6]	16.0	[13.5, 18.9]	15.8	[13.4, 18.6]	100.0
100%+ (n=694)	22.0	[18.8, 25.7]	43.2	[39.1, 47.5]	19.3	[16.2, 22.9]	15.4	[12.6, 18.6]	100.0
Pearson: Uncorrected chi2(6) =	38.9956								
Design-based F(5.65, 14585.86) =	5.4380	Pr =	0.000						
Region									
UP/NW/NE (n=518)	31.6	[27.3, 36.3]	39.7	[35.2, 44.4]	13.7	[10.7, 17.5]	15.0	[11.9, 18.7]	100.0
W/E Central/E (n=767)	24.7	[21.3, 28.4]	38.1	[34.3, 42.0]	16.0	[13.3, 19.1]	21.2	[18.1, 24.8]	100.0
S Central/SW/SE (n=520)	24.0	[19.9, 28.6]	38.5	[33.7, 43.6]	17.3	[14.0, 21.3]	20.2	[16.4, 24.6]	100.0
Detroit Metro (n=788)	20.7	[17.6, 24.2]	38.4	[34.3, 42.7]	20.7	[17.3, 24.7]	20.1	[16.8, 23.9]	100.0
Pearson: Uncorrected chi2(9) =	23.2274								
Design-based F(7.88, 20350.07) =	2.0895	Pr =	0.034						
Chronic condition (2018 survey or DW)									
Yes (n=1,635)	25.5	[23.0, 28.2]	35.4	[32.5, 38.5]	16.9	[14.6, 19.5]	22.1	[19.6, 24.8]	100.0
No (n=958)	20.3	[17.4, 23.6]	42.9	[39.0, 46.9]	20.0	[16.9, 23.5]	16.8	[13.9, 20.2]	100.0
Pearson: Uncorrected chi2(3) =	28.3286								
Design-based F(2.99, 7707.36) =	5.5334	Pr =	0.001						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=301)	27.6	[21.7, 34.3]	29.5	[23.4, 36.6]	13.6	[9.8, 18.6]	29.3	[23.3, 36.1]	100.0
Mental health condition (n=938)	21.1	[18.1, 24.3]	39.6	[35.7, 43.6]	17.2	[14.3, 20.4]	22.2	[18.9, 25.9]	100.0
Substance use disorder (n=99)	49.3	[37.7, 61.0]	33.3	[23.1, 45.4]	9.6	[5.3, 16.9]	7.8	[3.7, 15.7]	100.0
None (n=1,255)	22.0	[19.3, 24.9]	40.3	[36.9, 43.9]	20.6	[17.6, 23.9]	17.1	[14.5, 20.1]	100.0
Pearson: Uncorrected chi2(9) =	84.2348								
Design-based F(8.72, 22504.51) =	6.3483	Pr =	0.000						
Total (n=2,593)	23.4	[21.5, 25.5]	38.5	[36.1, 40.9]	18.1	[16.3, 20.2]	20.0	[18.0, 22.1]	100.0

Note: Total n is less than universe N due to item non-response.

4.2 Q: In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks?

Universe: All respondents (N=2,602)

	Sugary drink consumption in last 7 days								Total
	Every day		3-6 days		1-2 days		0 days		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=1,034)	24.0	[20.8, 27.5]	23.4	[20.4, 26.7]	31.0	[27.6, 34.6]	21.7	[18.9, 24.8]	100.0
36-49 (n=695)	27.3	[23.4, 31.6]	16.8	[13.7, 20.4]	23.7	[19.9, 28.1]	32.2	[28.0, 36.7]	100.0
50-64 (n=870)	21.4	[18.2, 24.9]	13.8	[11.2, 17.0]	20.0	[17.1, 23.3]	44.8	[40.8, 48.9]	100.0
Pearson: Uncorrected chi2(6) =	125.5360								
Design-based F(5.81, 15040.40) =	14.7323	Pr =	0.000						
Gender									
Female (n=1,544)	19.7	[17.4, 22.3]	16.9	[14.8, 19.2]	30.4	[27.6, 33.5]	32.9	[30.2, 35.9]	100.0
Male (n=1,055)	28.6	[25.2, 32.2]	21.9	[19.0, 25.2]	22.8	[19.7, 26.3]	26.7	[23.6, 30.0]	100.0
Pearson: Uncorrected chi2(3) =	52.4054								
Design-based F(2.99, 7724.22) =	10.9164	Pr =	0.000						
Race/ethnicity									
White, non-Hispanic (n=1,695)	26.6	[23.9, 29.4]	18.9	[16.6, 21.4]	23.4	[20.8, 26.1]	31.1	[28.5, 33.9]	100.0
Black, non-Hispanic (n=422)	23.6	[18.8, 29.2]	21.9	[17.5, 27.1]	31.5	[26.2, 37.2]	23.1	[18.5, 28.4]	100.0
Hispanic (n=169)	15.6	[10.0, 23.4]	18.5	[12.6, 26.3]	34.8	[26.6, 44.1]	31.1	[23.4, 40.0]	100.0
Other, non-Hispanic (n=247)	21.4	[15.5, 28.8]	18.8	[13.6, 25.4]	27.1	[21.0, 34.1]	32.7	[26.2, 39.9]	100.0
Pearson: Uncorrected chi2(9) =	38.1223								
Design-based F(8.87, 22357.78) =	2.3914	Pr =	0.011						
FPL category									
0-35% (n=960)	27.0	[23.6, 30.6]	18.3	[15.5, 21.5]	25.3	[21.9, 28.9]	29.5	[26.3, 33.0]	100.0
36-99% (n=945)	21.8	[19.0, 24.9]	20.3	[17.5, 23.4]	28.3	[25.2, 31.7]	29.6	[26.5, 33.0]	100.0
100%+ (n=694)	19.7	[16.6, 23.3]	21.8	[18.3, 25.6]	27.9	[24.2, 31.9]	30.6	[26.9, 34.6]	100.0
Pearson: Uncorrected chi2(6) =	14.8994								
Design-based F(5.65, 14613.89) =	2.0248	Pr =	0.063						
Region									
UP/NW/NE (n=517)	25.4	[21.3, 30.0]	17.6	[14.1, 21.7]	21.0	[17.3, 25.3]	36.0	[31.6, 40.6]	100.0
W/E Central/E (n=769)	26.5	[23.1, 30.3]	19.7	[16.6, 23.2]	27.3	[23.8, 31.1]	26.4	[23.1, 30.0]	100.0
S Central/SW/SE (n=523)	24.3	[20.1, 29.1]	22.3	[18.4, 26.8]	24.8	[20.6, 29.6]	28.6	[24.5, 33.0]	100.0
Detroit Metro (n=790)	22.5	[19.0, 26.5]	18.4	[15.3, 22.0]	28.0	[24.2, 32.1]	31.1	[27.3, 35.1]	100.0
Pearson: Uncorrected chi2(9) =	17.2184								
Design-based F(7.87, 20360.28) =	1.5177	Pr =	0.146						
Chronic condition (2018 survey or DW)									
Yes (n=1,642)	24.8	[22.2, 27.6]	18.7	[16.3, 21.2]	25.0	[22.2, 27.9]	31.6	[28.9, 34.4]	100.0
No (n=957)	23.4	[20.0, 27.1]	20.7	[17.7, 24.0]	29.0	[25.5, 32.7]	27.0	[23.7, 30.7]	100.0
Pearson: Uncorrected chi2(3) =	9.9266								
Design-based F(2.99, 7735.29) =	1.9621	Pr =	0.118						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=301)	34.4	[27.9, 41.6]	18.3	[13.7, 24.1]	16.8	[11.9, 23.2]	30.4	[24.5, 37.0]	100.0
Mental health condition (n=942)	24.5	[21.2, 28.2]	19.2	[16.2, 22.6]	27.6	[24.1, 31.4]	28.6	[25.2, 32.3]	100.0
Substance use disorder (n=99)	32.2	[22.2, 44.0]	23.7	[14.7, 36.0]	14.5	[7.7, 25.7]	29.6	[20.5, 40.7]	100.0
None (n=1,257)	20.9	[18.0, 24.1]	19.6	[16.9, 22.6]	29.2	[26.0, 32.6]	30.3	[27.3, 33.6]	100.0
Pearson: Uncorrected chi2(9) =	45.3053								
Design-based F(8.89, 23006.39) =	3.1492	Pr =	0.001						
Total (n=2,599)	24.2	[22.1, 26.4]	19.5	[17.6, 21.5]	26.6	[24.4, 28.8]	29.8	[27.6, 32.0]	100.0

Note: Total n is less than universe N due to item non-response.

4.3 Q: In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day?

Universe: All respondents (N=2,602)

	Every day		3-6 days		1-2 days		0 days		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=1,026)	26.9	[23.7, 30.4]	43.5	[39.8, 47.3]	18.1	[15.4, 21.2]	11.4	[9.2, 14.1]	100.0
36-49 (n=689)	42.4	[37.8, 47.1]	34.2	[29.9, 38.7]	12.5	[9.6, 16.0]	11.0	[8.4, 14.3]	100.0
50-64 (n=867)	38.7	[34.8, 42.7]	33.9	[30.1, 37.9]	16.7	[13.9, 20.0]	10.7	[8.4, 13.4]	100.0
Pearson: Uncorrected chi2(6) =	60.9289								
Design-based F(5.83, 14971.35) =	7.0122	Pr =	0.000						
Gender									
Female (n=1,540)	37.6	[34.6, 40.6]	39.1	[36.1, 42.2]	15.0	[13.0, 17.4]	8.3	[6.8, 10.1]	100.0
Male (n=1,042)	29.8	[26.5, 33.5]	38.6	[35.0, 42.4]	17.6	[15.0, 20.7]	13.9	[11.4, 16.8]	100.0
Pearson: Uncorrected chi2(3) =	32.2026								
Design-based F(2.99, 7693.19) =	6.8330	Pr =	0.000						
Race/ethnicity									
White, non-Hispanic (n=1,684)	33.6	[30.9, 36.4]	41.0	[38.0, 44.1]	13.9	[12.1, 16.0]	11.5	[9.7, 13.5]	100.0
Black, non-Hispanic (n=420)	35.2	[29.7, 41.1]	32.8	[27.5, 38.5]	20.6	[16.3, 25.8]	11.4	[8.0, 16.1]	100.0
Hispanic (n=165)	30.9	[23.0, 40.1]	48.2	[39.1, 57.3]	13.4	[8.3, 20.7]	7.6	[3.8, 14.6]	100.0
Other, non-Hispanic (n=247)	32.2	[25.5, 39.7]	37.1	[30.1, 44.6]	19.5	[14.4, 25.8]	11.2	[7.2, 17.1]	100.0
Pearson: Uncorrected chi2(9) =	28.8259								
Design-based F(8.87, 22219.40) =	1.8073	Pr =	0.063						
FPL category									
0-35% (n=952)	33.7	[30.1, 37.4]	38.4	[34.7, 42.3]	16.1	[13.5, 19.2]	11.8	[9.5, 14.5]	100.0
36-99% (n=938)	33.9	[30.7, 37.3]	39.3	[35.8, 42.9]	15.4	[13.0, 18.1]	11.4	[9.3, 13.9]	100.0
100%+ (n=692)	33.2	[29.4, 37.3]	39.5	[35.4, 43.8]	18.3	[15.2, 22.0]	8.9	[6.8, 11.6]	100.0
Pearson: Uncorrected chi2(6) =	4.4799								
Design-based F(5.67, 14561.46) =	0.6157	Pr =	0.708						
Region									
UP/NW/NE (n=513)	35.4	[31.0, 40.2]	37.4	[32.7, 42.3]	14.1	[11.0, 17.8]	13.1	[10.1, 16.8]	100.0
W/E Central/E (n=763)	33.5	[29.8, 37.3]	39.0	[35.1, 43.1]	16.9	[14.0, 20.3]	10.6	[8.4, 13.4]	100.0
S Central/SW/SE (n=519)	31.4	[27.0, 36.2]	40.3	[35.3, 45.4]	16.4	[13.0, 20.5]	11.9	[9.0, 15.7]	100.0
Detroit Metro (n=787)	34.4	[30.4, 38.6]	38.5	[34.3, 42.8]	16.5	[13.6, 19.8]	10.7	[8.2, 13.8]	100.0
Pearson: Uncorrected chi2(9) =	4.0043								
Design-based F(7.88, 20247.87) =	0.3548	Pr =	0.942						
Chronic condition (2018 survey or DW)									
Yes (n=1,633)	36.9	[34.0, 39.9]	35.2	[32.2, 38.2]	16.0	[13.9, 18.4]	11.9	[10.1, 14.0]	100.0
No (n=949)	28.8	[25.3, 32.6]	44.4	[40.4, 48.4]	16.9	[14.1, 20.1]	9.9	[7.6, 12.9]	100.0
Pearson: Uncorrected chi2(3) =	28.1630								
Design-based F(2.99, 7679.78) =	5.4238	Pr =	0.001						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=299)	34.3	[27.9, 41.2]	34.0	[27.7, 41.0]	18.1	[13.0, 24.7]	13.6	[9.5, 19.0]	100.0
Mental health condition (n=935)	34.3	[30.7, 38.2]	39.2	[35.3, 43.2]	15.7	[13.1, 18.8]	10.7	[8.4, 13.5]	100.0
Substance use disorder (n=100)	43.1	[31.9, 55.2]	28.1	[19.4, 38.9]	13.4	[7.6, 22.5]	15.3	[8.2, 26.9]	100.0
None (n=1,248)	32.3	[29.1, 35.7]	40.7	[37.2, 44.3]	16.5	[14.1, 19.3]	10.5	[8.4, 13.0]	100.0
Pearson: Uncorrected chi2(9) =	15.0371								
Design-based F(8.85, 22742.31) =	1.0677	Pr =	0.383						
Total (n=2,582)	33.7	[31.4, 36.0]	38.9	[36.5, 41.3]	16.4	[14.6, 18.2]	11.1	[9.6, 12.8]	100.0

Note: Total n is less than universe N due to item non-response.

4.4 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise?

Universe: All respondents (N=2,602)

| | Health professional discussed exercise in last 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,029)	35.7	[32.3, 39.4]	64.3	[60.6, 67.7]	100.0
36-49 (n=693)	43.1	[38.6, 47.8]	56.9	[52.2, 61.4]	100.0
50-64 (n=866)	52.0	[47.9, 56.0]	48.0	[44.0, 52.1]	100.0
Pearson: Uncorrected chi2(2) =	46.1073				
Design-based F(1.95, 5019.92) =	16.1111	Pr =	0.000		
Gender					
Female (n=1,537)	45.7	[42.7, 48.8]	54.3	[51.2, 57.3]	100.0
Male (n=1,051)	37.2	[33.7, 40.9]	62.8	[59.1, 66.3]	100.0
Pearson: Uncorrected chi2(1) =	19.2673				
Design-based F(1.00, 2576.00) =	12.0835	Pr =	0.001		
Race/ethnicity					
White, non-Hispanic (n=1,688)	40.3	[37.4, 43.3]	59.7	[56.7, 62.6]	100.0
Black, non-Hispanic (n=421)	43.6	[37.9, 49.6]	56.4	[50.4, 62.1]	100.0
Hispanic (n=168)	47.1	[38.3, 56.2]	52.9	[43.8, 61.7]	100.0
Other, non-Hispanic (n=245)	41.8	[34.6, 49.5]	58.2	[50.5, 65.4]	100.0
Pearson: Uncorrected chi2(3) =	4.2352				
Design-based F(2.97, 7458.02) =	0.8090	Pr =	0.488		
FPL category					
0-35% (n=957)	41.5	[37.8, 45.3]	58.5	[54.7, 62.2]	100.0
36-99% (n=938)	40.5	[37.0, 44.1]	59.5	[55.9, 63.0]	100.0
100%+ (n=693)	42.4	[38.3, 46.7]	57.6	[53.3, 61.7]	100.0
Pearson: Uncorrected chi2(2) =	0.4535				
Design-based F(1.90, 4882.39) =	0.1895	Pr =	0.816		
Region					
UP/NW/NE (n=517)	38.0	[33.5, 42.7]	62.0	[57.3, 66.5]	100.0
W/E Central/E (n=763)	42.7	[38.8, 46.8]	57.3	[53.2, 61.2]	100.0
S Central/SW/SE (n=522)	43.0	[38.1, 48.0]	57.0	[52.0, 61.9]	100.0
Detroit Metro (n=786)	40.6	[36.5, 44.9]	59.4	[55.1, 63.5]	100.0
Pearson: Uncorrected chi2(3) =	2.4378				
Design-based F(2.63, 6773.55) =	0.6677	Pr =	0.553		
Chronic condition (2018 survey or DW)					
Yes (n=1,636)	49.3	[46.2, 52.4]	50.7	[47.6, 53.8]	100.0
No (n=952)	29.7	[26.2, 33.4]	70.3	[66.6, 73.8]	100.0
Pearson: Uncorrected chi2(1) =	98.5784				
Design-based F(1.00, 2576.00) =	60.4988	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	44.0	[37.2, 51.1]	56.0	[48.9, 62.8]	100.0
Mental health condition (n=939)	47.0	[43.0, 51.0]	53.0	[49.0, 57.0]	100.0
Substance use disorder (n=99)	33.3	[23.0, 45.5]	66.7	[54.5, 77.0]	100.0
None (n=1,249)	37.7	[34.4, 41.2]	62.3	[58.8, 65.6]	100.0
Pearson: Uncorrected chi2(3) =	21.8771				
Design-based F(2.99, 7711.56) =	4.6485	Pr =	0.003		
Total (n=2,588)	41.4	[39.0, 43.8]	58.6	[56.2, 61.0]	100.0

Note: Total n is less than universe N due to item non-response.

4.5 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about diet and nutrition?

Universe: All respondents (N=2,602)

| | Health professional discussed diet/nutrition in last 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,031)	35.9	[32.4, 39.5]	64.1	[60.5, 67.6]	100.0
36-49 (n=694)	43.9	[39.3, 48.5]	56.1	[51.5, 60.7]	100.0
50-64 (n=869)	53.0	[48.9, 57.0]	47.0	[43.0, 51.1]	100.0
Pearson: Uncorrected chi2(2) =	51.4178				
Design-based F(1.95, 5029.96) =	18.0441	Pr =	0.000		
Gender					
Female (n=1,543)	45.7	[42.6, 48.8]	54.3	[51.2, 57.4]	100.0
Male (n=1,051)	38.3	[34.7, 42.0]	61.7	[58.0, 65.3]	100.0
Pearson: Uncorrected chi2(1) =	14.4962				
Design-based F(1.00, 2582.00) =	9.1100	Pr =	0.003		
Race/ethnicity					
White, non-Hispanic (n=1,693)	41.3	[38.4, 44.3]	58.7	[55.7, 61.6]	100.0
Black, non-Hispanic (n=421)	44.9	[39.1, 50.8]	55.1	[49.2, 60.9]	100.0
Hispanic (n=169)	46.3	[37.5, 55.4]	53.7	[44.6, 62.5]	100.0
Other, non-Hispanic (n=245)	40.1	[32.9, 47.7]	59.9	[52.3, 67.1]	100.0
Pearson: Uncorrected chi2(3) =	3.9440				
Design-based F(2.97, 7473.04) =	0.7507	Pr =	0.521		
FPL category					
0-35% (n=958)	41.8	[38.1, 45.7]	58.2	[54.3, 61.9]	100.0
36-99% (n=945)	40.9	[37.4, 44.4]	59.1	[55.6, 62.6]	100.0
100%+ (n=691)	43.6	[39.5, 47.9]	56.4	[52.1, 60.5]	100.0
Pearson: Uncorrected chi2(2) =	0.9189				
Design-based F(1.89, 4891.27) =	0.3833	Pr =	0.670		
Region					
UP/NW/NE (n=518)	39.3	[34.8, 44.1]	60.7	[55.9, 65.2]	100.0
W/E Central/E (n=766)	42.5	[38.5, 46.5]	57.5	[53.5, 61.5]	100.0
S Central/SW/SE (n=523)	44.0	[39.1, 49.0]	56.0	[51.0, 60.9]	100.0
Detroit Metro (n=787)	41.2	[37.0, 45.4]	58.8	[54.6, 63.0]	100.0
Pearson: Uncorrected chi2(3) =	1.9399				
Design-based F(2.64, 6807.39) =	0.5283	Pr =	0.639		
Chronic condition (2018 survey or DW)					
Yes (n=1,641)	49.6	[46.5, 52.7]	50.4	[47.3, 53.5]	100.0
No (n=953)	30.4	[26.9, 34.2]	69.6	[65.8, 73.1]	100.0
Pearson: Uncorrected chi2(1) =	93.9618				
Design-based F(1.00, 2582.00) =	56.8971	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	42.8	[36.1, 49.8]	57.2	[50.2, 63.9]	100.0
Mental health condition (n=941)	48.0	[44.0, 52.0]	52.0	[48.0, 56.0]	100.0
Substance use disorder (n=98)	37.8	[27.4, 49.6]	62.2	[50.4, 72.6]	100.0
None (n=1,254)	38.0	[34.7, 41.5]	62.0	[58.5, 65.3]	100.0
Pearson: Uncorrected chi2(3) =	21.7747				
Design-based F(2.99, 7707.53) =	4.7282	Pr =	0.003		
Total (n=2,594)	41.9	[39.5, 44.3]	58.1	[55.7, 60.5]	100.0

Note: Total n is less than universe N due to item non-response.

4.6 Q: In the last 7 days, how many days did you have [5 if male, 4 if female] alcoholic drinks on the same day?

Universe: All respondents (N=2,602)

	Every day		3-6 days		Binge drinking frequency in last 7 days 1-2 days		0 days		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=1,034)	0.5	[0.2, 1.4]	2.8	[1.8, 4.4]	14.8	[12.2, 17.9]	81.9	[78.6, 84.7]	100.0
36-49 (n=695)	1.1	[0.5, 2.3]	3.2	[2.0, 5.0]	13.5	[10.5, 17.2]	82.2	[78.3, 85.5]	100.0
50-64 (n=870)	1.1	[0.5, 2.3]	3.7	[2.5, 5.5]	13.5	[10.8, 16.7]	81.7	[78.2, 84.7]	100.0
Pearson: Uncorrected chi2(6) =	5.3353								
Design-based F(5.74, 14853.84) =	0.6208	Pr =	0.707						
Gender									
Female (n=1,546)	0.4	[0.2, 0.8]	2.1	[1.5, 3.1]	12.5	[10.5, 14.8]	85.0	[82.6, 87.2]	100.0
Male (n=1,053)	1.2	[0.7, 2.2]	4.1	[2.9, 5.8]	15.8	[13.1, 18.9]	78.9	[75.6, 81.9]	100.0
Pearson: Uncorrected chi2(3) =	21.8160								
Design-based F(2.84, 7339.59) =	5.4334	Pr =	0.001						
Race/ethnicity									
White, non-Hispanic (n=1,695)	0.8	[0.5, 1.4]	3.3	[2.4, 4.5]	12.9	[10.9, 15.3]	82.9	[80.4, 85.2]	100.0
Black, non-Hispanic (n=422)	0.7	[0.2, 2.5]	4.4	[2.5, 7.7]	16.7	[12.9, 21.5]	78.1	[73.0, 82.5]	100.0
Hispanic (n=169)	0.0		3.0	[1.3, 6.5]	15.4	[8.9, 25.5]	81.6	[71.8, 88.5]	100.0
Other, non-Hispanic (n=247)	0.4	[0.1, 2.7]	0.6	[0.2, 2.6]	12.9	[8.6, 18.9]	86.1	[80.0, 90.5]	100.0
Pearson: Uncorrected chi2(9) =	17.6637								
Design-based F(8.23, 20745.00) =	1.2663	Pr =	0.255						
FPL category									
0-35% (n=959)	1.0	[0.5, 1.9]	3.1	[2.0, 4.7]	15.4	[12.6, 18.5]	80.6	[77.2, 83.6]	100.0
36-99% (n=946)	0.1	[0.0, 0.6]	3.1	[2.1, 4.5]	13.2	[10.9, 15.9]	83.6	[80.7, 86.1]	100.0
100%+ (n=694)	1.2	[0.5, 2.5]	3.3	[2.2, 5.1]	12.0	[9.6, 15.0]	83.5	[80.2, 86.3]	100.0
Pearson: Uncorrected chi2(6) =	10.1741								
Design-based F(5.47, 14147.44) =	1.5896	Pr =	0.153						
Region									
UP/NW/NE (n=517)	0.6	[0.2, 1.9]	4.1	[2.8, 6.2]	12.3	[9.5, 15.8]	83.0	[79.2, 86.2]	100.0
W/E Central/E (n=770)	0.7	[0.3, 1.6]	3.1	[1.9, 5.1]	10.2	[7.9, 13.0]	86.0	[82.9, 88.7]	100.0
S Central/SW/SE (n=523)	1.1	[0.4, 2.7]	4.1	[2.6, 6.5]	17.1	[13.4, 21.6]	77.7	[73.0, 81.8]	100.0
Detroit Metro (n=789)	0.7	[0.3, 1.8]	2.5	[1.5, 4.2]	15.7	[12.6, 19.2]	81.1	[77.4, 84.3]	100.0
Pearson: Uncorrected chi2(9) =	20.8512								
Design-based F(7.66, 19819.42) =	1.9422	Pr =	0.053						
Chronic condition (2018 survey or DW)									
Yes (n=1,642)	0.7	[0.4, 1.3]	3.0	[2.1, 4.2]	13.8	[11.7, 16.3]	82.4	[79.8, 84.8]	100.0
No (n=957)	0.9	[0.4, 2.0]	3.3	[2.2, 4.9]	14.6	[11.9, 17.9]	81.2	[77.7, 84.2]	100.0
Pearson: Uncorrected chi2(3) =	0.8445								
Design-based F(2.95, 7623.28) =	0.1780	Pr =	0.909						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=301)	2.6	[1.3, 5.1]	6.8	[3.8, 11.7]	17.8	[12.4, 25.0]	72.8	[65.5, 79.1]	100.0
Mental health condition (n=942)	0.1	[0.0, 0.5]	2.3	[1.3, 3.8]	13.6	[10.8, 17.1]	84.0	[80.5, 87.1]	100.0
Substance use disorder (n=100)	7.3	[3.1, 16.5]	10.0	[4.7, 19.8]	16.8	[10.3, 26.2]	65.9	[54.4, 75.8]	100.0
None (n=1,256)	0.3	[0.1, 1.1]	2.3	[1.6, 3.3]	13.4	[11.1, 16.0]	84.0	[81.3, 86.4]	100.0
Pearson: Uncorrected chi2(9) =	124.4063								
Design-based F(8.31, 21487.88) =	9.2922	Pr =	0.000						
Total (n=2,599)	0.8	[0.5, 1.3]	3.1	[2.4, 4.1]	14.2	[12.4, 16.1]	81.9	[79.9, 83.8]	100.0

Note: Total n is less than universe N due to item non-response.

4.7 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use?

Universe: Respondents who had [5 if male, 4 if female] alcoholic drinks on any day in the last 7 days (N=436)

| | Health professional discussed safe alcohol use in last 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=175)	18.4	[12.6, 26.2]	81.6	[73.8, 87.4]	100.0
36-49 (n=117)	29.2	[20.1, 40.4]	70.8	[59.6, 79.9]	100.0
50-64 (n=144)	34.5	[25.6, 44.5]	65.5	[55.5, 74.4]	100.0
Pearson: Uncorrected chi2(2) =	11.1222				
Design-based F(1.96, 831.69) =	3.9325	Pr =	0.021		
Gender					
Female (n=223)	24.9	[18.3, 32.9]	75.1	[67.1, 81.7]	100.0
Male (n=213)	25.0	[18.8, 32.3]	75.0	[67.7, 81.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0004				
Design-based F(1.00, 424.00) =	0.0003	Pr =	0.987		
Race/ethnicity					
White, non-Hispanic (n=273)	24.7	[18.8, 31.7]	75.3	[68.3, 81.2]	100.0
Black, non-Hispanic (n=92)	25.3	[16.7, 36.4]	74.7	[63.6, 83.3]	100.0
Hispanic (n=26)	17.8	[7.3, 37.2]	82.2	[62.8, 92.7]	100.0
Other, non-Hispanic (n=32)	35.9	[18.9, 57.4]	64.1	[42.6, 81.1]	100.0
Pearson: Uncorrected chi2(3) =	3.3792				
Design-based F(2.92, 1200.30) =	0.7475	Pr =	0.521		
FPL category					
0-35% (n=166)	27.0	[20.1, 35.3]	73.0	[64.7, 79.9]	100.0
36-99% (n=149)	21.3	[15.0, 29.3]	78.7	[70.7, 85.0]	100.0
100%+ (n=121)	22.9	[15.7, 32.1]	77.1	[67.9, 84.3]	100.0
Pearson: Uncorrected chi2(2) =	1.5033				
Design-based F(1.90, 804.59) =	0.7465	Pr =	0.468		
Region					
UP/NW/NE (n=91)	38.3	[27.9, 50.0]	61.7	[50.0, 72.1]	100.0
W/E Central/E (n=102)	22.3	[14.5, 32.8]	77.7	[67.2, 85.5]	100.0
S Central/SW/SE (n=104)	19.1	[12.1, 29.0]	80.9	[71.0, 87.9]	100.0
Detroit Metro (n=139)	26.7	[19.0, 36.3]	73.3	[63.7, 81.0]	100.0
Pearson: Uncorrected chi2(3) =	6.1427				
Design-based F(2.67, 1131.78) =	1.8002	Pr =	0.152		
Chronic condition (2018 survey or DW)					
Yes (n=267)	31.0	[24.4, 38.4]	69.0	[61.6, 75.6]	100.0
No (n=169)	16.6	[10.9, 24.3]	83.4	[75.7, 89.1]	100.0
Pearson: Uncorrected chi2(1) =	11.8001				
Design-based F(1.00, 424.00) =	7.7821	Pr =	0.006		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=72)	36.3	[23.8, 50.9]	63.7	[49.1, 76.2]	100.0
Mental health condition (n=135)	23.1	[14.9, 34.0]	76.9	[66.0, 85.1]	100.0
Substance use disorder (n=32)	61.2	[41.8, 77.5]	38.8	[22.5, 58.2]	100.0
None (n=197)	15.4	[10.6, 21.8]	84.6	[78.2, 89.4]	100.0
Pearson: Uncorrected chi2(3) =	37.6748				
Design-based F(2.93, 1241.49) =	8.5769	Pr =	0.000		
Total (n=436)	24.9	[20.3, 30.3]	75.1	[69.7, 79.7]	100.0

4.8 Q: In the last 30 days have you smoked or used tobacco?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
		Smoked or used tobacco in last 30 days			
Age					
19-35 (n=1,034)	29.0	[25.6, 32.7]	71.0	[67.3, 74.4]	100.0
36-49 (n=696)	42.8	[38.2, 47.5]	57.2	[52.5, 61.8]	100.0
50-64 (n=870)	37.0	[33.1, 41.0]	63.0	[59.0, 66.9]	100.0
Pearson: Uncorrected chi2(2) =	39.7320				
Design-based F(1.93, 4986.79) =	13.1317	Pr =	0.000		
Gender					
Female (n=1,546)	26.6	[24.1, 29.3]	73.4	[70.7, 75.9]	100.0
Male (n=1,054)	42.0	[38.2, 45.8]	58.0	[54.2, 61.8]	100.0
Pearson: Uncorrected chi2(1) =	67.9484				
Design-based F(1.00, 2588.00) =	44.4590	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,695)	37.4	[34.5, 40.4]	62.6	[59.6, 65.5]	100.0
Black, non-Hispanic (n=422)	32.7	[27.3, 38.5]	67.3	[61.5, 72.7]	100.0
Hispanic (n=169)	26.4	[19.1, 35.3]	73.6	[64.7, 80.9]	100.0
Other, non-Hispanic (n=248)	26.8	[20.5, 34.3]	73.2	[65.7, 79.5]	100.0
Pearson: Uncorrected chi2(3) =	19.7887				
Design-based F(2.97, 7493.01) =	3.5785	Pr =	0.014		
FPL category					
0-35% (n=959)	39.9	[36.2, 43.8]	60.1	[56.2, 63.8]	100.0
36-99% (n=946)	28.0	[24.9, 31.2]	72.0	[68.8, 75.1]	100.0
100%+ (n=695)	27.5	[23.8, 31.5]	72.5	[68.5, 76.2]	100.0
Pearson: Uncorrected chi2(2) =	42.2907				
Design-based F(1.90, 4921.72) =	17.8713	Pr =	0.000		
Region					
UP/NW/NE (n=517)	37.9	[33.3, 42.7]	62.1	[57.3, 66.7]	100.0
W/E Central/E (n=770)	36.3	[32.5, 40.3]	63.7	[59.7, 67.5]	100.0
S Central/SW/SE (n=523)	34.0	[29.4, 39.0]	66.0	[61.0, 70.6]	100.0
Detroit Metro (n=790)	32.7	[28.7, 37.0]	67.3	[63.0, 71.3]	100.0
Pearson: Uncorrected chi2(3) =	3.8567				
Design-based F(2.61, 6764.63) =	1.0028	Pr =	0.383		
Chronic condition (2018 survey or DW)					
Yes (n=1,643)	37.9	[34.9, 41.0]	62.1	[59.0, 65.1]	100.0
No (n=957)	29.2	[25.6, 33.2]	70.8	[66.8, 74.4]	100.0
Pearson: Uncorrected chi2(1) =	20.9132				
Design-based F(1.00, 2588.00) =	11.6959	Pr =	0.001		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	64.8	[57.9, 71.1]	35.2	[28.9, 42.1]	100.0
Mental health condition (n=942)	29.2	[25.7, 33.0]	70.8	[67.0, 74.3]	100.0
Substance use disorder (n=100)	54.5	[42.7, 65.8]	45.5	[34.2, 57.3]	100.0
None (n=1,257)	28.7	[25.5, 32.2]	71.3	[67.8, 74.5]	100.0
Pearson: Uncorrected chi2(3) =	180.2460				
Design-based F(2.99, 7727.33) =	37.9160	Pr =	0.000		
Total (n=2,600)	34.4	[32.1, 36.8]	65.6	[63.2, 67.9]	100.0

Note: Total n is less than universe N due to item non-response.

4.8.1 Q: Do you want to quit or cut back on smoking or using tobacco?

Universe: Respondents who smoked or used tobacco in the last 30 days (N=855)

	Yes Row %	Yes 95% CI	No Row %	No 95% CI	Total Row %
			Want to reduce or quit smoking or using tobacco		
Age					
19-35 (n=271)	73.1	[66.1, 79.1]	26.9	[20.9, 33.9]	100.0
36-49 (n=271)	81.5	[74.7, 86.8]	18.5	[13.2, 25.3]	100.0
50-64 (n=303)	84.4	[79.1, 88.5]	15.6	[11.5, 20.9]	100.0
Pearson: Uncorrected chi2(2) =	12.0665				
Design-based F(1.88, 1563.11) =	4.1314	Pr =	0.018		
Gender					
Female (n=429)	80.9	[76.1, 84.9]	19.1	[15.1, 23.9]	100.0
Male (n=416)	77.1	[71.6, 81.9]	22.9	[18.1, 28.4]	100.0
Pearson: Uncorrected chi2(1) =	1.6479				
Design-based F(1.00, 833.00) =	1.1753	Pr =	0.279		
Race/ethnicity					
White, non-Hispanic (n=593)	79.6	[75.0, 83.5]	20.4	[16.5, 25.0]	100.0
Black, non-Hispanic (n=130)	80.0	[69.3, 87.6]	20.0	[12.4, 30.7]	100.0
Hispanic (n=42)	73.2	[54.6, 86.1]	26.8	[13.9, 45.4]	100.0
Other, non-Hispanic (n=61)	70.1	[54.6, 82.1]	29.9	[17.9, 45.4]	100.0
Pearson: Uncorrected chi2(3) =	4.6643				
Design-based F(2.95, 2397.54) =	0.8205	Pr =	0.481		
FPL category					
0-35% (n=384)	79.2	[73.7, 83.8]	20.8	[16.2, 26.3]	100.0
36-99% (n=273)	78.5	[72.3, 83.6]	21.5	[16.4, 27.7]	100.0
100%+ (n=188)	75.9	[67.5, 82.7]	24.1	[17.3, 32.5]	100.0
Pearson: Uncorrected chi2(2) =	0.6703				
Design-based F(1.93, 1609.39) =	0.2794	Pr =	0.749		
Region					
UP/NW/NE (n=186)	75.6	[67.2, 82.4]	24.4	[17.6, 32.8]	100.0
W/E Central/E (n=268)	74.9	[68.2, 80.7]	25.1	[19.3, 31.8]	100.0
S Central/SW/SE (n=165)	82.1	[74.5, 87.8]	17.9	[12.2, 25.5]	100.0
Detroit Metro (n=226)	80.1	[72.7, 85.9]	19.9	[14.1, 27.3]	100.0
Pearson: Uncorrected chi2(3) =	4.0218				
Design-based F(2.64, 2195.25) =	0.9945	Pr =	0.387		
Chronic condition (2018 survey or DW)					
Yes (n=587)	82.3	[77.9, 85.9]	17.7	[14.1, 22.1]	100.0
No (n=258)	71.5	[63.8, 78.0]	28.5	[22.0, 36.2]	100.0
Pearson: Uncorrected chi2(1) =	13.2028				
Design-based F(1.00, 833.00) =	7.5170	Pr =	0.006		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=188)	83.1	[75.7, 88.5]	16.9	[11.5, 24.3]	100.0
Mental health condition (n=267)	76.1	[68.3, 82.5]	23.9	[17.5, 31.7]	100.0
Substance use disorder (n=56)	82.7	[68.2, 91.4]	17.3	[8.6, 31.8]	100.0
None (n=334)	77.1	[70.7, 82.4]	22.9	[17.6, 29.3]	100.0
Pearson: Uncorrected chi2(3) =	4.2562				
Design-based F(2.95, 2454.16) =	0.9362	Pr =	0.421		
Total (n=845)	78.6	[74.7, 82.0]	21.4	[18.0, 25.3]	100.0

Note: Total n is less than universe N due to item non-response.

4.8.1.1 Q: Are you working on cutting back or quitting right now?

Universe: Respondents who smoked or used tobacco in the last 30 days and want to reduce or quit smoking or using tobacco (N=676)

	Attempting to quit smoking or using tobacco				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=199)	88.3	[81.1, 93.0]	11.7	[7.0, 18.9]	100.0
36-49 (n=222)	88.5	[83.0, 92.5]	11.5	[7.5, 17.0]	100.0
50-64 (n=253)	90.5	[85.5, 93.8]	9.5	[6.2, 14.5]	100.0
Pearson: Uncorrected chi2(2) =	0.5600				
Design-based F(1.85, 1226.31) =	0.1940	Pr =	0.807		
Gender					
Female (n=348)	88.6	[83.9, 92.1]	11.4	[7.9, 16.1]	100.0
Male (n=326)	89.2	[84.2, 92.7]	10.8	[7.3, 15.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0565				
Design-based F(1.00, 662.00) =	0.0388	Pr =	0.844		
Race/ethnicity					
White, non-Hispanic (n=477)	86.7	[81.8, 90.4]	13.3	[9.6, 18.2]	100.0
Black, non-Hispanic (n=108)	89.8	[82.3, 94.3]	10.2	[5.7, 17.7]	100.0
Hispanic (n=32)	93.7	[75.8, 98.6]	6.3	[1.4, 24.2]	100.0
Other, non-Hispanic (n=44)	96.2	[85.4, 99.1]	3.8	[0.9, 14.6]	100.0
Pearson: Uncorrected chi2(3) =	5.8713				
Design-based F(2.98, 1935.63) =	1.4985	Pr =	0.213		
FPL category					
0-35% (n=306)	89.0	[84.0, 92.6]	11.0	[7.4, 16.0]	100.0
36-99% (n=219)	90.4	[84.9, 94.0]	9.6	[6.0, 15.1]	100.0
100%+ (n=149)	86.8	[79.3, 91.9]	13.2	[8.1, 20.7]	100.0
Pearson: Uncorrected chi2(2) =	0.7809				
Design-based F(1.92, 1271.97) =	0.3634	Pr =	0.687		
Region					
UP/NW/NE (n=149)	86.8	[79.5, 91.8]	13.2	[8.2, 20.5]	100.0
W/E Central/E (n=207)	88.9	[83.1, 92.9]	11.1	[7.1, 16.9]	100.0
S Central/SW/SE (n=133)	85.0	[75.6, 91.3]	15.0	[8.7, 24.4]	100.0
Detroit Metro (n=185)	91.4	[84.9, 95.2]	8.6	[4.8, 15.1]	100.0
Pearson: Uncorrected chi2(3) =	4.1868				
Design-based F(2.54, 1683.50) =	1.0352	Pr =	0.368		
Chronic condition (2018 survey or DW)					
Yes (n=487)	89.6	[85.3, 92.7]	10.4	[7.3, 14.7]	100.0
No (n=187)	87.7	[81.1, 92.2]	12.3	[7.8, 18.9]	100.0
Pearson: Uncorrected chi2(1) =	0.5187				
Design-based F(1.00, 662.00) =	0.3258	Pr =	0.568		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=155)	84.9	[76.2, 90.7]	15.1	[9.3, 23.8]	100.0
Mental health condition (n=211)	88.2	[82.2, 92.3]	11.8	[7.7, 17.8]	100.0
Substance use disorder (n=47)	86.4	[72.4, 93.9]	13.6	[6.1, 27.6]	100.0
None (n=261)	92.4	[86.4, 95.8]	7.6	[4.2, 13.6]	100.0
Pearson: Uncorrected chi2(3) =	6.6176				
Design-based F(2.81, 1857.61) =	1.4988	Pr =	0.215		
Total (n=674)	89.0	[85.6, 91.6]	11.0	[8.4, 14.4]	100.0

Note: Total n is less than universe N due to item non-response.

4.8.2 **Q: In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on how to quit smoking?**

Universe: Respondents who smoked or used tobacco in the last 30 days and want to reduce or quit smoking or using tobacco (N=676)

| | Got help with reducing/quitting tobacco in last 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=199)	38.6	[30.6, 47.4]	61.4	[52.6, 69.4]	100.0
36-49 (n=223)	47.5	[39.5, 55.6]	52.5	[44.4, 60.5]	100.0
50-64 (n=253)	60.3	[52.8, 67.4]	39.7	[32.6, 47.2]	100.0
Pearson: Uncorrected chi2(2) =	20.3100				
Design-based F(1.91, 1266.45) =	6.5954	Pr =	0.002		
Gender					
Female (n=350)	61.4	[55.1, 67.4]	38.6	[32.6, 44.9]	100.0
Male (n=325)	38.3	[31.9, 45.1]	61.7	[54.9, 68.1]	100.0
Pearson: Uncorrected chi2(1) =	34.4269				
Design-based F(1.00, 663.00) =	23.7787	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=478)	50.2	[44.4, 55.9]	49.8	[44.1, 55.6]	100.0
Black, non-Hispanic (n=109)	41.3	[30.8, 52.8]	58.7	[47.2, 69.2]	100.0
Hispanic (n=31)	47.2	[27.5, 67.9]	52.8	[32.1, 72.5]	100.0
Other, non-Hispanic (n=44)	57.0	[38.5, 73.8]	43.0	[26.2, 61.5]	100.0
Pearson: Uncorrected chi2(3) =	5.1153				
Design-based F(2.97, 1931.22) =	0.9384	Pr =	0.421		
FPL category					
0-35% (n=308)	45.4	[38.6, 52.3]	54.6	[47.7, 61.4]	100.0
36-99% (n=219)	55.0	[47.5, 62.3]	45.0	[37.7, 52.5]	100.0
100%+ (n=148)	44.4	[35.8, 53.4]	55.6	[46.6, 64.2]	100.0
Pearson: Uncorrected chi2(2) =	4.4773				
Design-based F(1.90, 1262.87) =	2.1046	Pr =	0.125		
Region					
UP/NW/NE (n=149)	55.9	[46.9, 64.6]	44.1	[35.4, 53.1]	100.0
W/E Central/E (n=208)	52.9	[44.9, 60.6]	47.1	[39.4, 55.1]	100.0
S Central/SW/SE (n=133)	50.0	[40.2, 59.8]	50.0	[40.2, 59.8]	100.0
Detroit Metro (n=185)	40.6	[32.3, 49.5]	59.4	[50.5, 67.7]	100.0
Pearson: Uncorrected chi2(3) =	9.7679				
Design-based F(2.59, 1715.74) =	2.5457	Pr =	0.063		
Chronic condition (2018 survey or DW)					
Yes (n=489)	52.1	[46.4, 57.8]	47.9	[42.2, 53.6]	100.0
No (n=186)	36.7	[28.2, 46.0]	63.3	[54.0, 71.8]	100.0
Pearson: Uncorrected chi2(1) =	13.9002				
Design-based F(1.00, 663.00) =	7.6370	Pr =	0.006		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=155)	58.7	[48.1, 68.4]	41.3	[31.6, 51.9]	100.0
Mental health condition (n=213)	55.2	[47.1, 63.1]	44.8	[36.9, 52.9]	100.0
Substance use disorder (n=47)	37.7	[22.6, 55.6]	62.3	[44.4, 77.4]	100.0
None (n=260)	36.8	[29.4, 44.8]	63.2	[55.2, 70.6]	100.0
Pearson: Uncorrected chi2(3) =	27.4382				
Design-based F(2.93, 1944.89) =	5.7702	Pr =	0.001		
Total (n=675)	47.3	[42.5, 52.2]	52.7	[47.8, 57.5]	100.0

Note: Total n is less than universe N due to item non-response.

4.9   Q: In the last 30 days, have you used drugs or medications to affect your mood or help you relax?

Universe: All respondents (N=2,602)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,035)	6.6	[4.9, 8.8]	93.4	[91.2, 95.1]	100.0
36-49 (n=694)	7.3	[4.9, 10.6]	92.7	[89.4, 95.1]	100.0
50-64 (n=869)	4.3	[2.8, 6.5]	95.7	[93.5, 97.2]	100.0
Pearson: Uncorrected chi2(2) =	5.5053				
Design-based F(1.93, 5002.56) =	1.5890	Pr =	0.205		
Gender					
Female (n=1,544)	3.4	[2.4, 4.7]	96.6	[95.3, 97.6]	100.0
Male (n=1,054)	9.0	[7.0, 11.5]	91.0	[88.5, 93.0]	100.0
Pearson: Uncorrected chi2(1) =	34.7769				
Design-based F(1.00, 2586.00) =	22.5085	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,695)	6.3	[4.8, 8.1]	93.7	[91.9, 95.2]	100.0
Black, non-Hispanic (n=422)	6.1	[3.7, 9.9]	93.9	[90.1, 96.3]	100.0
Hispanic (n=168)	8.9	[4.3, 17.5]	91.1	[82.5, 95.7]	100.0
Other, non-Hispanic (n=248)	4.3	[2.2, 8.3]	95.7	[91.7, 97.8]	100.0
Pearson: Uncorrected chi2(3) =	4.1780				
Design-based F(2.93, 7394.67) =	0.6899	Pr =	0.555		
FPL category					
0-35% (n=958)	7.6	[5.7, 10.1]	92.4	[89.9, 94.3]	100.0
36-99% (n=946)	4.1	[2.9, 5.8]	95.9	[94.2, 97.1]	100.0
100%+ (n=694)	5.2	[3.5, 7.7]	94.8	[92.3, 96.5]	100.0
Pearson: Uncorrected chi2(2) =	10.8582				
Design-based F(1.92, 4963.45) =	4.4070	Pr =	0.013		
Region					
UP/NW/NE (n=517)	5.1	[3.1, 8.0]	94.9	[92.0, 96.9]	100.0
W/E Central/E (n=769)	6.1	[4.1, 8.8]	93.9	[91.2, 95.9]	100.0
S Central/SW/SE (n=523)	9.1	[6.2, 13.2]	90.9	[86.8, 93.8]	100.0
Detroit Metro (n=789)	5.3	[3.6, 7.6]	94.7	[92.4, 96.4]	100.0
Pearson: Uncorrected chi2(3) =	9.5746				
Design-based F(2.66, 6883.77) =	2.0099	Pr =	0.118		
Chronic condition (2018 survey or DW)					
Yes (n=1,640)	6.3	[4.9, 8.2]	93.7	[91.8, 95.1]	100.0
No (n=958)	6.1	[4.3, 8.5]	93.9	[91.5, 95.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0745				
Design-based F(1.00, 2586.00) =	0.0375	Pr =	0.847		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	16.7	[11.7, 23.4]	83.3	[76.6, 88.3]	100.0
Mental health condition (n=940)	5.6	[3.8, 8.0]	94.4	[92.0, 96.2]	100.0
Substance use disorder (n=100)	17.3	[10.1, 28.1]	82.7	[71.9, 89.9]	100.0
None (n=1,257)	3.2	[2.1, 4.9]	96.8	[95.1, 97.9]	100.0
Pearson: Uncorrected chi2(3) =	103.6651				
Design-based F(2.95, 7634.94) =	19.0129	Pr =	0.000		
Total (n=2,598)	6.2	[5.1, 7.7]	93.8	[92.3, 94.9]	100.0

Note: Total n is less than universe N due to item non-response.

4.9.1 Q: How often?

Universe: Respondents who used drugs or medications in the last 30 days to affect their mood or to help them relax (N=126)

	Almost every day		Sometimes		Rarely		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=56)	55.9	[40.3, 70.4]	15.5	[7.2, 30.1]	28.6	[16.5, 44.9]	100.0
36-49 (n=39)	59.7	[38.4, 77.8]	27.2	[12.9, 48.4]	13.2	[3.3, 40.3]	100.0
50-64 (n=31)	33.7	[16.7, 56.4]	41.7	[22.5, 63.8]	24.6	[9.0, 51.9]	100.0
Pearson: Uncorrected chi2(4) =	9.2877						
Design-based F(3.70, 422.22) =	1.4494	Pr =	0.220				
Gender							
Female (n=47)	48.8	[32.0, 65.9]	37.6	[22.2, 56.0]	13.6	[7.0, 24.7]	100.0
Male (n=79)	55.2	[41.6, 68.1]	17.8	[10.0, 29.8]	27.0	[16.0, 41.7]	100.0
Pearson: Uncorrected chi2(2) =	6.2695						
Design-based F(1.88, 214.83) =	2.9869	Pr =	0.056				
Race/ethnicity							
White, non-Hispanic (n=81)	53.1	[39.4, 66.4]	20.5	[12.6, 31.6]	26.3	[15.4, 41.2]	100.0
Black, non-Hispanic (n=22)	48.0	[24.1, 72.8]	33.9	[14.2, 61.3]	18.1	[4.8, 49.1]	100.0
Hispanic (n=9)	58.3	[23.4, 86.5]	29.2	[7.1, 69.1]	12.5	[2.4, 45.2]	100.0
Other, non-Hispanic (n=11)	71.8	[33.0, 92.9]	18.5	[2.7, 64.8]	9.7	[1.3, 47.2]	100.0
Pearson: Uncorrected chi2(6) =	4.6779						
Design-based F(5.69, 631.75) =	0.4875	Pr =	0.809				
FPL category							
0-35% (n=57)	54.5	[39.5, 68.8]	23.0	[13.1, 37.3]	22.4	[11.5, 39.3]	100.0
36-99% (n=39)	61.1	[43.9, 76.0]	21.1	[10.8, 37.2]	17.7	[8.4, 33.5]	100.0
100%+ (n=30)	40.5	[23.4, 60.3]	25.7	[12.2, 46.4]	33.7	[17.4, 55.1]	100.0
Pearson: Uncorrected chi2(4) =	2.2120						
Design-based F(3.68, 419.73) =	0.5890	Pr =	0.657				
Region							
UP/NW/NE (n=21)	57.2	[35.1, 76.8]	25.3	[10.6, 49.1]	17.5	[6.2, 40.3]	100.0
W/E Central/E (n=35)	56.5	[36.1, 74.9]	24.9	[11.3, 46.3]	18.6	[6.9, 41.4]	100.0
S Central/SW/SE (n=31)	65.2	[43.4, 82.1]	14.3	[6.0, 30.4]	20.5	[7.4, 45.3]	100.0
Detroit Metro (n=39)	41.6	[24.2, 61.3]	28.3	[14.3, 48.4]	30.1	[15.1, 51.1]	100.0
Pearson: Uncorrected chi2(6) =	5.6187						
Design-based F(5.00, 569.67) =	0.7349	Pr =	0.597				
Chronic condition (2018 survey or DW)							
Yes (n=81)	62.4	[48.5, 74.5]	25.5	[15.5, 39.0]	12.1	[5.3, 25.5]	100.0
No (n=45)	39.7	[24.1, 57.8]	19.5	[9.5, 35.9]	40.8	[24.3, 59.7]	100.0
Pearson: Uncorrected chi2(2) =	13.9369						
Design-based F(1.98, 225.41) =	4.4812	Pr =	0.013				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=34)	67.4	[45.2, 83.9]	18.0	[6.9, 39.3]	14.6	[4.5, 38.1]	100.0
Mental health condition (n=39)	50.9	[32.3, 69.3]	11.9	[4.3, 29.2]	37.1	[20.5, 57.6]	100.0
Substance use disorder (n=19)	48.2	[22.2, 75.2]	45.6	[21.0, 72.6]	6.2	[0.8, 34.4]	100.0
None (n=34)	40.5	[21.6, 62.8]	33.2	[16.8, 55.2]	26.2	[10.5, 51.9]	100.0
Pearson: Uncorrected chi2(6) =	15.8745						
Design-based F(5.58, 636.19) =	1.7560	Pr =	0.111				
Total (n=126)	53.5	[42.5, 64.1]	23.1	[15.4, 33.2]	23.4	[14.8, 34.9]	100.0

4.9.1.1 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications?

Universe: Respondents who used drugs or medications almost everyday or sometimes in the last 30 days to affect their mood or to help them relax (N=100)

| | Health professional discussed drug use in last 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=39)	33.7	[19.5, 51.7]	66.3	[48.3, 80.5]	100.0
36-49 (n=35)	36.7	[18.9, 59.1]	63.3	[40.9, 81.1]	100.0
50-64 (n=25)	43.9	[22.8, 67.4]	56.1	[32.6, 77.2]	100.0
Pearson: Uncorrected chi2(2) =	0.5342				
Design-based F(1.90, 165.32) =	0.2011	Pr =	0.807		
Gender					
Female (n=36)	49.4	[30.6, 68.4]	50.6	[31.6, 69.4]	100.0
Male (n=63)	30.9	[18.6, 46.6]	69.1	[53.4, 81.4]	100.0
Pearson: Uncorrected chi2(1) =	3.0642				
Design-based F(1.00, 87.00) =	2.2841	Pr =	0.134		
Race/ethnicity					
White, non-Hispanic (n=62)	34.9	[22.4, 49.8]	65.1	[50.2, 77.6]	100.0
Black, non-Hispanic (n=19)	48.0	[22.4, 74.7]	52.0	[25.3, 77.6]	100.0
Hispanic (n=7)	18.8	[3.7, 58.2]	81.2	[41.8, 96.3]	100.0
Other, non-Hispanic (n=9)	34.9	[10.3, 71.4]	65.1	[28.6, 89.7]	100.0
Pearson: Uncorrected chi2(3) =	2.8982				
Design-based F(2.93, 249.36) =	0.6740	Pr =	0.565		
FPL category					
0-35% (n=48)	36.5	[22.5, 53.1]	63.5	[46.9, 77.5]	100.0
36-99% (n=31)	40.6	[23.1, 61.0]	59.4	[39.0, 76.9]	100.0
100%+ (n=20)	29.4	[12.7, 54.3]	70.6	[45.7, 87.3]	100.0
Pearson: Uncorrected chi2(2) =	0.4142				
Design-based F(1.93, 167.96) =	0.2241	Pr =	0.792		
Region					
UP/NW/NE (n=17)	37.7	[16.6, 64.8]	62.3	[35.2, 83.4]	100.0
W/E Central/E (n=27)	56.2	[33.4, 76.6]	43.8	[23.4, 66.6]	100.0
S Central/SW/SE (n=26)	22.9	[9.8, 44.9]	77.1	[55.1, 90.2]	100.0
Detroit Metro (n=29)	32.0	[14.4, 56.9]	68.0	[43.1, 85.6]	100.0
Pearson: Uncorrected chi2(3) =	7.2153				
Design-based F(2.66, 231.03) =	1.8685	Pr =	0.143		
Chronic condition (2018 survey or DW)					
Yes (n=71)	38.8	[25.8, 53.5]	61.2	[46.5, 74.2]	100.0
No (n=28)	30.6	[14.0, 54.4]	69.4	[45.6, 86.0]	100.0
Pearson: Uncorrected chi2(1) =	0.5932				
Design-based F(1.00, 87.00) =	0.3808	Pr =	0.539		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=30)	31.7	[16.3, 52.5]	68.3	[47.5, 83.7]	100.0
Mental health condition (n=25)	54.6	[32.2, 75.3]	45.4	[24.7, 67.8]	100.0
Substance use disorder (n=17)	64.0	[36.4, 84.7]	36.0	[15.3, 63.6]	100.0
None (n=27)	12.0	[4.5, 28.7]	88.0	[71.3, 95.5]	100.0
Pearson: Uncorrected chi2(3) =	14.2800				
Design-based F(2.81, 244.83) =	4.3920	Pr =	0.006		
Total (n=99)	36.3	[25.6, 48.6]	63.7	[51.4, 74.4]	100.0

Note: Total n is less than universe N due to item non-response.

4.10 Q: During the time you have been enrolled in the Healthy Michigan Plan, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office?

Universe: All respondents (N=2,602)

	Discussed HRA with provider						Total
	Yes		**No**		**Don't know**		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=1,035)	36.0	[32.6, 39.6]	58.6	[54.9, 62.2]	5.4	[4.0, 7.2]	100.0
36-49 (n=696)	44.6	[40.0, 49.2]	50.3	[45.6, 54.9]	5.1	[3.6, 7.4]	100.0
50-64 (n=869)	58.1	[54.1, 62.0]	37.1	[33.3, 41.1]	4.8	[3.4, 6.6]	100.0
Pearson: Uncorrected chi2(4) =	84.9610						
Design-based F(3.84, 9938.00) =	16.1952	Pr =	0.000				
Gender							
Female (n=1,546)	44.6	[41.6, 47.7]	50.2	[47.1, 53.3]	5.1	[4.0, 6.6]	100.0
Male (n=1,054)	42.1	[38.4, 45.9]	52.7	[48.9, 56.5]	5.2	[3.8, 7.0]	100.0
Pearson: Uncorrected chi2(2) =	1.7497						
Design-based F(1.99, 5155.72) =	0.5758	Pr =	0.562				
Race/ethnicity							
White, non-Hispanic (n=1,694)	44.5	[41.5, 47.5]	49.0	[46.0, 52.0]	6.6	[5.3, 8.2]	100.0
Black, non-Hispanic (n=422)	44.3	[38.6, 50.3]	53.5	[47.6, 59.3]	2.2	[1.2, 3.9]	100.0
Hispanic (n=169)	38.5	[30.4, 47.3]	55.9	[46.9, 64.6]	5.6	[2.2, 13.4]	100.0
Other, non-Hispanic (n=248)	36.8	[30.0, 44.1]	58.2	[50.8, 65.3]	5.0	[2.5, 9.8]	100.0
Pearson: Uncorrected chi2(6) =	25.2516						
Design-based F(5.76, 14526.62) =	2.4102	Pr =	0.027				
FPL category							
0-35% (n=959)	45.0	[41.3, 48.9]	50.6	[46.7, 54.4]	4.4	[3.1, 6.2]	100.0
36-99% (n=947)	40.6	[37.2, 44.1]	52.8	[49.2, 56.3]	6.7	[5.1, 8.7]	100.0
100%+ (n=694)	42.4	[38.3, 46.6]	52.2	[48.0, 56.5]	5.4	[3.8, 7.5]	100.0
Pearson: Uncorrected chi2(4) =	7.4292						
Design-based F(3.76, 9724.65) =	1.5535	Pr =	0.187				
Region							
UP/NW/NE (n=516)	48.2	[43.4, 53.1]	45.4	[40.6, 50.3]	6.3	[4.4, 9.0]	100.0
W/E Central/E (n=770)	47.2	[43.2, 51.3]	47.1	[43.1, 51.2]	5.7	[4.0, 8.0]	100.0
S Central/SW/SE (n=523)	44.6	[39.7, 49.7]	49.0	[43.9, 54.0]	6.4	[4.5, 9.2]	100.0
Detroit Metro (n=791)	39.4	[35.3, 43.6]	56.5	[52.2, 60.7]	4.1	[2.7, 6.0]	100.0
Pearson: Uncorrected chi2(6) =	23.7646						
Design-based F(5.28, 13667.84) =	3.2520	Pr =	0.005				
Chronic condition (2018 survey or DW)							
Yes (n=1,642)	50.2	[47.2, 53.3]	44.6	[41.5, 47.7]	5.1	[4.0, 6.7]	100.0
No (n=958)	33.1	[29.5, 36.9]	61.7	[57.8, 65.5]	5.2	[3.8, 7.0]	100.0
Pearson: Uncorrected chi2(2) =	77.7785						
Design-based F(1.99, 5146.19) =	25.2151	Pr =	0.000				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=301)	52.3	[45.3, 59.3]	43.3	[36.6, 50.3]	4.3	[2.4, 7.7]	100.0
Mental health condition (n=943)	50.6	[46.6, 54.6]	42.6	[38.7, 46.6]	6.8	[5.0, 9.1]	100.0
Substance use disorder (n=99)	46.5	[35.3, 58.1]	47.6	[36.1, 59.4]	5.9	[1.8, 17.9]	100.0
None (n=1,257)	36.1	[32.8, 39.4]	59.7	[56.2, 63.0]	4.3	[3.1, 5.8]	100.0
Pearson: Uncorrected chi2(6) =	74.8173						
Design-based F(5.79, 14986.28) =	7.8315	Pr =	0.000				
Total (n=2,600)	43.4	[41.0, 45.8]	51.5	[49.0, 53.9]	5.2	[4.2, 6.3]	100.0

Note: Total n is less than universe N due to item non-response.

4.10.1   Q: What healthy behavior did you choose to work on?

Universe: Respondents who discussed the Health Risk Assessment with their doctor or someone at their primary care provider's office (N=1,208)

HRA healthy behavior	Weighted Proportion	95% CI
At least one healthy behavior (n= 1,070)	88.3	[85.8, 90.5]
Nutrition/diet (n=426)	36.9	[33.5, 40.4]
Exercise/activity (n=363)	28.7	[25.7, 32.0]
Reduce/quit tobacco use (n=201)	15.7	[13.4, 18.4]
Lose weight (n=191)	13.7	[11.5, 16.2]
Don't know (n=97)	7.9	[6.3, 9.9]
Stress/mental health care (n=70)	7.3	[5.4, 9.8]
Other (n=47)	4.6	[3.2, 6.5]
None (n=37)	3.0	[2.0, 4.5]
Monitor my blood pressure/blood sugar (n=34)	2.3	[1.5, 3.4]
Reduce/quit alcohol use (n=16)	1.4	[0.8, 2.5]
Take medicine regularly (n=3)	0.3	[0.1, 1.1]
Return to doctor (n=2)	0.3	[0.1, 1.2]
Flu shot (n=2)	0.2	[0.0, 0.8]
Go to the dentist (n=2)	0.1	[0.0, 0.5]

Note: Respondents were able to provide multiple responses.

4.10.1.1   Q: Why did you choose this healthy behavior?

Universe: Respondents who discussed the Health Risk Assessment with their doctor or someone at their primary care provider's office (N=1,208)

Reasons for choosing healthy behavior	Weighted Proportion	95% CI
Something I wanted to do anyway (n=602)	48.8	[45.3, 52.4]
It would help improve my illness/health condition (n=308)	25.6	[22.6, 28.8]
Doctor suggested healthy behavior (n=161)	16.0	[13.5, 18.9]
Healthy behavior easy to do (n=12)	0.7	[0.4, 1.4]
HMP would cover the cost (n=1)	0.1	[0.0, 0.7]

Note: Respondents were able to provide multiple responses.

4.10.2 Q: Did completing the Health Risk Assessment teach you something you didn't know about your health?

Universe: Respondents who discussed the Health Risk Assessment with their doctor or someone at their primary care provider's office (N=1,208)

	Definitely yes Row %	95% CI	Somewhat yes Row %	95% CI	No Row %	95% CI	Total Row %
Age							
19-35 (n=332)	28.4	[22.6, 35.1]	32.7	[27.3, 38.7]	38.8	[32.7, 45.4]	100.0
36-49 (n=295)	26.8	[20.8, 33.8]	34.5	[28.0, 41.7]	38.7	[31.9, 45.9]	100.0
50-64 (n=434)	31.4	[26.2, 37.0]	36.3	[30.8, 42.2]	32.3	[27.3, 37.8]	100.0
Pearson: Uncorrected chi2(4) =	4.4608						
Design-based F(3.91, 4100.38) =	0.7165	Pr =	0.577				
Gender							
Female (n=655)	27.3	[23.3, 31.7]	34.6	[30.4, 39.0]	38.1	[33.7, 42.7]	100.0
Male (n=406)	30.5	[25.1, 36.6]	34.1	[28.8, 39.9]	35.4	[29.8, 41.3]	100.0
Pearson: Uncorrected chi2(2) =	1.4966						
Design-based F(1.99, 2091.84) =	0.4662	Pr =	0.627				
Race/ethnicity							
White, non-Hispanic (n=706)	23.0	[19.2, 27.3]	36.9	[32.6, 41.4]	40.1	[35.6, 44.8]	100.0
Black, non-Hispanic (n=176)	42.8	[33.9, 52.1]	29.3	[21.8, 38.2]	27.9	[20.7, 36.5]	100.0
Hispanic (n=67)	31.3	[20.1, 45.3]	33.0	[21.8, 46.5]	35.7	[23.9, 49.6]	100.0
Other, non-Hispanic (n=85)	32.9	[22.4, 45.5]	28.7	[19.5, 40.1]	38.4	[26.9, 51.3]	100.0
Pearson: Uncorrected chi2(6) =	34.7516						
Design-based F(5.86, 5990.69) =	3.5215	Pr =	0.002				
FPL category							
0-35% (n=427)	31.3	[26.2, 37.0]	33.1	[28.0, 38.5]	35.6	[30.3, 41.3]	100.0
36-99% (n=358)	25.0	[20.1, 30.5]	38.5	[33.0, 44.3]	36.6	[31.2, 42.3]	100.0
100%+ (n=276)	26.5	[20.9, 32.8]	32.8	[26.9, 39.4]	40.7	[34.2, 47.5]	100.0
Pearson: Uncorrected chi2(4) =	5.7913						
Design-based F(3.82, 4011.73) =	1.2439	Pr =	0.291				
Region							
UP/NW/NE (n=228)	22.1	[16.8, 28.5]	37.4	[30.6, 44.7]	40.5	[33.6, 47.8]	100.0
W/E Central/E (n=334)	25.0	[19.9, 30.8]	36.5	[30.8, 42.6]	38.5	[32.7, 44.8]	100.0
S Central/SW/SE (n=208)	29.6	[22.8, 37.5]	33.6	[26.7, 41.4]	36.7	[29.2, 44.9]	100.0
Detroit Metro (n=291)	33.1	[26.7, 40.3]	32.4	[26.3, 39.1]	34.5	[28.2, 41.3]	100.0
Pearson: Uncorrected chi2(6) =	8.5415						
Design-based F(5.27, 5532.30) =	1.1035	Pr =	0.357				
Chronic condition (2018 survey or DW)							
Yes (n=776)	30.0	[26.1, 34.3]	34.7	[30.7, 39.0]	35.2	[31.1, 39.5]	100.0
No (n=285)	26.1	[19.6, 34.0]	33.4	[27.2, 40.3]	40.5	[33.5, 47.8]	100.0
Pearson: Uncorrected chi2(2) =	2.9173						
Design-based F(1.96, 2051.64) =	0.8338	Pr =	0.432				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=133)	33.3	[24.1, 44.0]	34.7	[25.5, 45.1]	32.1	[23.0, 42.8]	100.0
Mental health condition (n=438)	28.1	[22.9, 33.9]	35.9	[30.5, 41.6]	36.0	[30.7, 41.8]	100.0
Substance use disorder (n=42)	23.2	[12.2, 39.6]	35.7	[21.3, 53.2]	41.1	[25.5, 58.7]	100.0
None (n=448)	28.6	[23.4, 34.4]	32.7	[27.5, 38.2]	38.7	[33.2, 44.6]	100.0
Pearson: Uncorrected chi2(6) =	4.0486						
Design-based F(5.83, 6113.25) =	0.4352	Pr =	0.851				
Total (n=1,061)	28.9	[25.5, 32.6]	34.4	[30.9, 38.0]	36.7	[33.2, 40.5]	100.0

Note: Respondents who did not choose a healthy behavior or did not remember what healthy behavior they chose were coded as non-response. Total n is less than universe N due to item non-response.

4.10.3 Q: Did completing the Health Risk Assessment help your primary care provider better understand your health needs?

Universe: Respondents who discussed the Health Risk Assessment with their doctor or someone at their primary care provider's office (N=1,208)

	Definitely yes		Somewhat yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age									
19-35 (n=335)	45.9	[39.6, 52.4]	43.6	[37.4, 50.0]	8.8	[5.4, 14.2]	1.6	[0.7, 3.8]	100.0
36-49 (n=296)	42.6	[35.7, 49.7]	43.6	[36.5, 50.9]	12.1	[8.0, 18.0]	1.7	[0.6, 4.9]	100.0
50-64 (n=439)	54.2	[48.4, 59.8]	33.4	[28.2, 39.0]	8.9	[6.2, 12.6]	3.5	[2.0, 6.2]	100.0
Pearson: Uncorrected chi2(6) =	16.6790								
Design-based F(5.74, 6069.39) =	1.8004	Pr =	0.098						
Gender									
Female (n=662)	48.8	[44.2, 53.4]	39.4	[35.1, 43.9]	9.1	[6.9, 12.1]	2.6	[1.5, 4.5]	100.0
Male (n=408)	46.4	[40.5, 52.4]	41.3	[35.5, 47.4]	10.4	[6.9, 15.3]	1.9	[0.9, 4.0]	100.0
Pearson: Uncorrected chi2(3) =	1.6339								
Design-based F(2.95, 3123.50) =	0.3489	Pr =	0.787						
Race/ethnicity									
White, non-Hispanic (n=713)	44.8	[40.3, 49.4]	42.7	[38.2, 47.3]	9.9	[7.1, 13.7]	2.6	[1.6, 4.2]	100.0
Black, non-Hispanic (n=176)	53.4	[44.2, 62.4]	36.5	[28.0, 46.1]	7.8	[4.5, 13.3]	2.2	[0.7, 6.4]	100.0
Hispanic (n=67)	52.4	[39.0, 65.5]	37.6	[25.8, 51.0]	10.0	[3.6, 24.8]	0.0		100.0
Other, non-Hispanic (n=87)	51.3	[39.2, 63.3]	35.3	[24.9, 47.2]	11.3	[6.1, 20.0]	2.1	[0.3, 13.6]	100.0
Pearson: Uncorrected chi2(9) =	9.0420								
Design-based F(8.53, 8795.89) =	0.6015	Pr =	0.788						
FPL category									
0-35% (n=431)	49.6	[43.9, 55.3]	36.8	[31.5, 42.6]	11.1	[7.8, 15.6]	2.5	[1.3, 4.6]	100.0
36-99% (n=360)	45.9	[40.2, 51.8]	42.5	[36.8, 48.4]	9.7	[6.9, 13.5]	1.9	[0.9, 4.1]	100.0
100%+ (n=279)	43.7	[37.2, 50.4]	48.7	[42.1, 55.3]	5.6	[3.0, 10.0]	2.1	[1.0, 4.4]	100.0
Pearson: Uncorrected chi2(6) =	11.7370								
Design-based F(5.62, 5943.22) =	1.8128	Pr =	0.098						
Region									
UP/NW/NE (n=230)	50.7	[43.4, 57.8]	41.2	[34.3, 48.4]	6.9	[4.2, 11.2]	1.3	[0.4, 3.8]	100.0
W/E Central/E (n=336)	42.2	[36.2, 48.3]	44.7	[38.7, 50.9]	9.6	[6.5, 14.0]	3.5	[1.8, 6.7]	100.0
S Central/SW/SE (n=212)	46.4	[38.6, 54.4]	43.0	[35.4, 50.9]	9.3	[5.5, 15.3]	1.3	[0.5, 3.7]	100.0
Detroit Metro (n=292)	51.5	[44.5, 58.5]	35.5	[29.1, 42.6]	10.8	[6.9, 16.6]	2.1	[0.9, 4.6]	100.0
Pearson: Uncorrected chi2(9) =	12.9913								
Design-based F(7.54, 7981.18) =	1.2002	Pr =	0.296						
Chronic condition (2018 survey or DW)									
Yes (n=783)	49.4	[45.0, 53.8]	38.5	[34.3, 42.9]	9.1	[6.9, 12.0]	3.0	[1.9, 4.7]	100.0
No (n=287)	43.3	[36.2, 50.7]	44.7	[37.7, 52.0]	11.4	[6.9, 18.1]	0.6	[0.2, 1.6]	100.0
Pearson: Uncorrected chi2(3) =	10.6886								
Design-based F(2.50, 2645.51) =	2.4513	Pr =	0.073						
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=134)	51.3	[40.9, 61.6]	38.6	[29.0, 49.1]	7.5	[4.0, 13.6]	2.5	[0.9, 6.9]	100.0
Mental health condition (n=441)	49.0	[43.2, 54.9]	37.6	[32.2, 43.3]	11.5	[7.7, 16.6]	2.0	[0.9, 4.3]	100.0
Substance use disorder (n=45)	43.6	[28.5, 60.0]	34.6	[21.1, 51.1]	20.2	[8.9, 39.7]	1.6	[0.2, 10.7]	100.0
None (n=450)	45.3	[39.6, 51.2]	44.2	[38.4, 50.2]	7.9	[5.1, 12.0]	2.5	[1.3, 4.8]	100.0
Pearson: Uncorrected chi2(9) =	13.2122								
Design-based F(8.46, 8952.09) =	1.0374	Pr =	0.406						
Total (n=1,070)	47.6	[43.9, 51.4]	40.4	[36.7, 44.1]	9.8	[7.6, 12.5]	2.3	[1.5, 3.5]	100.0

Note: Respondents who did not choose a healthy behavior or did not remember what healthy behavior they chose were coded as non-response. Total n is less than universe N due to item non-response.

4.10.4 Q: Did completing the Health Risk Assessment motivate you to be more responsible for your health?

Universe: Respondents who discussed the Health Risk Assessment with their doctor or someone at their primary care provider's office (N=1,208)

	HRA motivated me to be more responsible for my health						Total
	Definitely yes		Somewhat yes		No		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=335)	53.1	[46.7, 59.5]	36.9	[30.9, 43.3]	10.0	[6.4, 15.2]	100.0
36-49 (n=296)	60.2	[53.0, 67.0]	29.3	[23.1, 36.3]	10.5	[7.1, 15.2]	100.0
50-64 (n=439)	61.9	[56.1, 67.4]	31.8	[26.5, 37.5]	6.3	[4.2, 9.5]	100.0
Pearson: Uncorrected chi2(4) =	10.1407						
Design-based F(3.87, 4098.67) =	1.6643	Pr =	0.157				
Gender							
Female (n=662)	59.8	[55.2, 64.3]	32.6	[28.4, 37.1]	7.6	[5.6, 10.2]	100.0
Male (n=408)	55.9	[49.8, 61.8]	33.7	[28.3, 39.6]	10.4	[7.1, 15.0]	100.0
Pearson: Uncorrected chi2(2) =	3.1542						
Design-based F(2.00, 2115.26) =	0.9970	Pr =	0.369				
Race/ethnicity							
White, non-Hispanic (n=713)	52.8	[48.1, 57.4]	36.7	[32.3, 41.3]	10.6	[7.9, 14.1]	100.0
Black, non-Hispanic (n=176)	70.4	[61.1, 78.3]	26.5	[18.8, 35.9]	3.1	[1.5, 6.4]	100.0
Hispanic (n=67)	64.6	[50.4, 76.6]	24.1	[14.6, 37.1]	11.4	[4.4, 26.2]	100.0
Other, non-Hispanic (n=87)	54.5	[42.2, 66.3]	35.0	[24.6, 47.1]	10.5	[4.5, 22.8]	100.0
Pearson: Uncorrected chi2(6) =	29.1742						
Design-based F(5.64, 5817.17) =	2.8299	Pr =	0.011				
FPL category							
0-35% (n=431)	59.3	[53.5, 64.8]	31.7	[26.6, 37.3]	9.0	[6.1, 13.2]	100.0
36-99% (n=360)	57.3	[51.4, 62.9]	32.9	[27.5, 38.7]	9.9	[7.0, 13.7]	100.0
100%+ (n=279)	54.3	[47.5, 61.0]	38.2	[31.7, 45.0]	7.5	[4.7, 11.8]	100.0
Pearson: Uncorrected chi2(4) =	3.1907						
Design-based F(3.78, 4000.31) =	0.6734	Pr =	0.602				
Region							
UP/NW/NE (n=230)	57.2	[49.9, 64.1]	33.0	[26.5, 40.2]	9.8	[6.4, 14.9]	100.0
W/E Central/E (n=336)	55.0	[48.8, 61.1]	35.2	[29.5, 41.3]	9.8	[6.6, 14.4]	100.0
S Central/SW/SE (n=212)	55.9	[47.8, 63.6]	33.5	[26.3, 41.6]	10.6	[6.8, 16.0]	100.0
Detroit Metro (n=292)	61.3	[54.2, 68.0]	31.5	[25.3, 38.4]	7.2	[4.0, 12.6]	100.0
Pearson: Uncorrected chi2(6) =	4.6459						
Design-based F(5.08, 5370.27) =	0.5626	Pr =	0.731				
Chronic condition (2018 survey or DW)							
Yes (n=783)	59.2	[54.8, 63.5]	30.7	[26.8, 34.9]	10.1	[7.5, 13.5]	100.0
No (n=287)	54.7	[47.3, 61.9]	39.0	[32.0, 46.5]	6.3	[4.2, 9.3]	100.0
Pearson: Uncorrected chi2(2) =	9.0267						
Design-based F(1.90, 2014.40) =	3.1923	Pr =	0.044				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=134)	66.8	[56.0, 76.0]	29.4	[20.5, 40.2]	3.9	[1.5, 9.7]	100.0
Mental health condition (n=441)	57.4	[51.6, 63.1]	31.0	[26.0, 36.4]	11.6	[8.2, 16.1]	100.0
Substance use disorder (n=45)	53.4	[37.1, 69.1]	39.7	[25.2, 56.3]	6.9	[1.7, 23.8]	100.0
None (n=450)	55.5	[49.5, 61.3]	35.9	[30.3, 41.9]	8.6	[5.7, 12.8]	100.0
Pearson: Uncorrected chi2(6) =	13.9387						
Design-based F(5.89, 6226.35) =	1.4600	Pr =	0.189				
Total (n=1,070)	57.9	[54.1, 61.6]	33.1	[29.7, 36.8]	9.0	[7.0, 11.5]	100.0

Note: Respondents who did not choose a healthy behavior or did not remember what healthy behavior they chose were coded as non-response. Total n is less than universe N due to item non-response.

5 Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

5.1 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?

Universe: All respondents (N=2,602)

| | Regular source of care in 12 months prior to HMP | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,004)	72.7	[69.1, 76.1]	27.3	[23.9, 30.9]	100.0
36-49 (n=675)	75.6	[71.5, 79.3]	24.4	[20.7, 28.5]	100.0
50-64 (n=836)	78.0	[74.2, 81.3]	22.0	[18.7, 25.8]	100.0
Pearson: Uncorrected chi2(2) =	6.1914				
Design-based F(1.96, 4893.83) =	2.1471	Pr =	0.118		
Gender					
Female (n=1,501)	81.2	[78.5, 83.6]	18.8	[16.4, 21.5]	100.0
Male (n=1,014)	68.4	[64.7, 71.8]	31.6	[28.2, 35.3]	100.0
Pearson: Uncorrected chi2(1) =	54.2421				
Design-based F(1.00, 2503.00) =	33.9529	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,638)	74.2	[71.3, 76.9]	25.8	[23.1, 28.7]	100.0
Black, non-Hispanic (n=412)	80.5	[75.7, 84.6]	19.5	[15.4, 24.3]	100.0
Hispanic (n=165)	68.8	[59.7, 76.6]	31.2	[23.4, 40.3]	100.0
Other, non-Hispanic (n=236)	74.2	[67.0, 80.3]	25.8	[19.7, 33.0]	100.0
Pearson: Uncorrected chi2(3) =	13.2530				
Design-based F(2.99, 7293.33) =	2.6261	Pr =	0.049		
FPL category					
0-35% (n=936)	75.0	[71.4, 78.2]	25.0	[21.8, 28.6]	100.0
36-99% (n=914)	74.4	[70.9, 77.5]	25.6	[22.5, 29.1]	100.0
100%+ (n=665)	74.4	[70.2, 78.2]	25.6	[21.8, 29.8]	100.0
Pearson: Uncorrected chi2(2) =	0.1068				
Design-based F(1.91, 4769.59) =	0.0416	Pr =	0.954		
Region					
UP/NW/NE (n=497)	78.5	[74.0, 82.4]	21.5	[17.6, 26.0]	100.0
W/E Central/E (n=749)	74.9	[71.0, 78.4]	25.1	[21.6, 29.0]	100.0
S Central/SW/SE (n=508)	73.1	[68.2, 77.5]	26.9	[22.5, 31.8]	100.0
Detroit Metro (n=761)	74.5	[70.5, 78.2]	25.5	[21.8, 29.5]	100.0
Pearson: Uncorrected chi2(3) =	2.4795				
Design-based F(2.66, 6647.77) =	0.6352	Pr =	0.573		
Chronic condition (2018 survey or DW)					
Yes (n=1,605)	79.6	[76.9, 82.0]	20.4	[18.0, 23.1]	100.0
No (n=910)	67.2	[63.2, 71.0]	32.8	[29.0, 36.8]	100.0
Pearson: Uncorrected chi2(1) =	48.4513				
Design-based F(1.00, 2503.00) =	28.5431	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=292)	68.8	[61.6, 75.3]	31.2	[24.7, 38.4]	100.0
Mental health condition (n=924)	82.6	[79.3, 85.4]	17.4	[14.6, 20.7]	100.0
Substance use disorder (n=95)	62.2	[49.4, 73.4]	37.8	[26.6, 50.6]	100.0
None (n=1,204)	71.8	[68.4, 75.0]	28.2	[25.0, 31.6]	100.0
Pearson: Uncorrected chi2(3) =	46.8969				
Design-based F(2.98, 7465.89) =	9.5457	Pr =	0.000		
Total (n=2,515)	74.7	[72.4, 76.8]	25.3	[23.2, 27.6]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

5.2 Summary: In the 12 months before enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?

Universe: All respondents (N=2,602)

Regular source of care in 12 months prior to HMP	Weighted Proportion	95% CI
Yes (n=1,939)	72.8	[70.5, 74.9]
No (n=576)	24.6	[22.6, 26.9]
Not applicable - did not need care (n=77)	2.6	[2.0, 3.4]

Note: Total n is less than universe N due to item non-response.

5.2.1 Q: What kind of a place was it?

Universe: Respondents who had a regular source of care in the 12 months prior to HMP (N=1,939)

	Clinic Row %	95% CI	Doctor's office Row %	95% CI	Urgent care/Walk-in clinic Row %	95% CI	Emergency room Row %	95% CI	Other Row %	95% CI	Total Row %
Age											
19-35 (n=745)	14.7	[11.7, 18.4]	50.1	[45.7, 54.5]	25.6	[21.8, 29.8]	6.9	[5.0, 9.4]	2.6	[1.4, 4.9]	100.0
36-49 (n=517)	16.5	[12.9, 20.9]	47.8	[42.4, 53.3]	19.3	[15.1, 24.4]	15.1	[11.2, 20.1]	1.3	[0.5, 3.1]	100.0
50-64 (n=674)	18.7	[15.4, 22.6]	59.2	[54.6, 63.6]	11.5	[8.9, 14.6]	8.8	[6.5, 11.9]	1.8	[0.9, 3.4]	100.0
Pearson: Uncorrected chi2(8) =	68.5721										
Design-based F(7.62, 14667.54) =	5.7090	Pr =	0.000								
Gender											
Female (n=1,233)	15.0	[12.8, 17.7]	58.4	[55.0, 61.8]	18.8	[16.2, 21.8]	6.7	[5.1, 8.7]	1.0	[0.6, 1.7]	100.0
Male (n=703)	17.5	[14.1, 21.4]	43.9	[39.3, 48.6]	22.5	[18.6, 26.9]	12.8	[10.0, 16.3]	3.3	[1.9, 5.8]	100.0
Pearson: Uncorrected chi2(4) =	55.5847										
Design-based F(3.94, 7578.00) =	8.6423	Pr =	0.000								
Race/ethnicity											
White, non-Hispanic (n=1,273)	12.0	[10.1, 14.1]	59.5	[56.0, 62.8]	20.0	[17.2, 23.2]	6.6	[5.0, 8.5]	1.9	[1.2, 3.2]	100.0
Black, non-Hispanic (n=323)	21.9	[16.6, 28.3]	35.4	[29.4, 42.0]	23.8	[18.2, 30.6]	17.3	[12.8, 23.1]	1.5	[0.6, 3.6]	100.0
Hispanic (n=117)	18.0	[10.8, 28.4]	44.4	[33.9, 55.4]	23.5	[15.2, 34.6]	7.3	[3.4, 14.8]	6.8	[1.8, 22.3]	100.0
Other, non-Hispanic (n=179)	21.5	[14.9, 30.1]	52.7	[43.7, 61.6]	14.8	[9.6, 22.0]	9.2	[5.1, 16.0]	1.8	[0.4, 7.4]	100.0
Pearson: Uncorrected chi2(12) =	123.1224										
Design-based F(11.12, 20900.01) =	5.3268	Pr =	0.000								
FPL category											
0-35% (n=724)	16.7	[13.6, 20.3]	47.8	[43.3, 52.3]	20.3	[16.7, 24.5]	12.6	[9.9, 15.8]	2.7	[1.5, 4.7]	100.0
36-99% (n=698)	15.6	[12.8, 18.8]	56.1	[52.0, 60.2]	20.9	[17.7, 24.5]	6.4	[4.7, 8.7]	1.0	[0.5, 2.2]	100.0
100%+ (n=514)	15.5	[12.2, 19.4]	57.2	[52.3, 62.0]	20.7	[16.8, 25.2]	4.8	[3.1, 7.1]	1.9	[0.9, 4.0]	100.0
Pearson: Uncorrected chi2(8) =	36.3240										
Design-based F(7.48, 14387.26) =	3.8828	Pr =	0.000								
Region											
UP/NW/NE (n=398)	23.9	[19.5, 28.8]	46.8	[41.4, 52.3]	20.0	[15.7, 25.2]	7.9	[5.3, 11.8]	1.3	[0.4, 3.9]	100.0
W/E Central/E (n=577)	12.0	[9.3, 15.4]	57.3	[52.6, 61.9]	20.0	[16.4, 24.2]	8.6	[6.2, 11.9]	2.1	[1.2, 3.8]	100.0
S Central/SW/SE (n=385)	13.9	[10.3, 18.3]	49.2	[43.3, 55.1]	25.3	[20.5, 30.8]	8.1	[5.4, 12.1]	3.5	[1.7, 7.1]	100.0
Detroit Metro (n=576)	18.1	[14.5, 22.4]	50.4	[45.4, 55.5]	18.8	[14.9, 23.6]	11.0	[8.2, 14.6]	1.6	[0.6, 4.2]	100.0
Pearson: Uncorrected chi2(12) =	34.7697										
Design-based F(10.07, 19368.82) =	2.0740	Pr =	0.023								
Chronic condition (2018 survey or DW)											
Yes (n=1,300)	15.8	[13.5, 18.5]	54.6	[51.1, 58.1]	18.8	[16.0, 21.9]	9.0	[7.3, 11.2]	1.8	[1.0, 3.3]	100.0
No (n=636)	16.8	[13.3, 21.1]	46.5	[41.6, 51.4]	23.7	[19.7, 28.3]	10.4	[7.4, 14.3]	2.6	[1.4, 4.8]	100.0
Pearson: Uncorrected chi2(4) =	13.4581										
Design-based F(3.98, 7658.82) =	1.7841	Pr =	0.129								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=213)	20.0	[13.7, 28.3]	46.0	[37.8, 54.3]	16.4	[11.2, 23.5]	13.7	[9.1, 20.2]	3.9	[1.6, 9.4]	100.0
Mental health condition (n=768)	12.4	[9.8, 15.5]	58.6	[54.1, 63.0]	18.7	[15.3, 22.8]	7.7	[5.6, 10.5]	2.6	[1.3, 5.3]	100.0
Substance use disorder (n=66)	9.2	[4.4, 18.2]	37.7	[24.8, 52.6]	16.9	[9.6, 28.2]	32.4	[20.6, 47.0]	3.7	[0.9, 13.8]	100.0
None (n=889)	18.6	[15.5, 22.2]	48.7	[44.4, 53.0]	23.2	[19.6, 27.2]	8.4	[6.1, 11.4]	1.1	[0.5, 2.3]	100.0
Pearson: Uncorrected chi2(12) =	83.7588										
Design-based F(11.34, 21815.72) =	4.5085	Pr =	0.000								
Total (n=1,936)	16.2	[14.2, 18.4]	51.7	[48.8, 54.6]	20.5	[18.2, 23.1]	9.5	[7.9, 11.4]	2.1	[1.3, 3.2]	100.0

Note: Total n is less than universe N due to item non-response.

5.2.2 Regular source of care in 12 months prior to HMP, detailed

Universe: All respondents (N=2,602)

	Doctor's office/Clinic Row %	95% CI	Urgent care/Walk-in clinic Row %	95% CI	Emergency room Row %	95% CI	None Row %	95% CI	Total Row %
Age									
19-35 (n=1,018)	46.5	[42.8, 50.3]	18.4	[15.6, 21.6]	5.0	[3.6, 6.8]	30.1	[26.7, 33.8]	100.0
36-49 (n=689)	47.9	[43.3, 52.6]	14.4	[11.2, 18.3]	11.3	[8.3, 15.2]	26.4	[22.6, 30.6]	100.0
50-64 (n=859)	59.6	[55.5, 63.6]	8.8	[6.8, 11.2]	6.7	[4.9, 9.1]	24.9	[21.4, 28.8]	100.0
Pearson: Uncorrected chi2(6) =	70.0641								
Design-based F(5.74, 14660.58) =	7.8528		Pr =	0.000					
Gender									
Female (n=1,532)	58.6	[55.5, 61.6]	15.0	[12.9, 17.4]	5.3	[4.1, 7.0]	21.0	[18.6, 23.7]	100.0
Male (n=1,034)	41.4	[37.7, 45.2]	15.2	[12.5, 18.4]	8.6	[6.7, 11.0]	34.8	[31.3, 38.5]	100.0
Pearson: Uncorrected chi2(3) =	91.1886								
Design-based F(2.99, 7637.08) =	18.3273		Pr =	0.000					
Race/ethnicity									
White, non-Hispanic (n=1,674)	52.1	[49.1, 55.2]	14.6	[12.5, 17.1]	4.8	[3.7, 6.2]	28.5	[25.7, 31.4]	100.0
Black, non-Hispanic (n=415)	45.8	[39.9, 51.8]	19.1	[14.5, 24.7]	13.9	[10.2, 18.6]	21.3	[17.1, 26.2]	100.0
Hispanic (n=165)	44.1	[35.5, 53.0]	16.6	[10.6, 25.0]	5.2	[2.4, 10.6]	34.1	[26.1, 43.2]	100.0
Other, non-Hispanic (n=245)	53.1	[45.5, 60.5]	10.6	[6.9, 15.9]	6.6	[3.6, 11.6]	29.8	[23.5, 37.1]	100.0
Pearson: Uncorrected chi2(9) =	75.2200								
Design-based F(8.82, 21932.16) =	4.8420		Pr =	0.000					
FPL category									
0-35% (n=942)	48.2	[44.3, 52.1]	15.2	[12.4, 18.5]	9.4	[7.4, 11.9]	27.2	[23.8, 30.8]	100.0
36-99% (n=937)	51.9	[48.3, 55.5]	15.1	[12.7, 17.9]	4.7	[3.4, 6.3]	28.3	[25.1, 31.8]	100.0
100%+ (n=687)	52.1	[47.7, 56.3]	14.8	[11.9, 18.2]	3.4	[2.2, 5.1]	29.7	[25.8, 34.0]	100.0
Pearson: Uncorrected chi2(6) =	28.5515								
Design-based F(5.58, 14248.38) =	4.0082		Pr =	0.001					
Region									
UP/NW/NE (n=513)	54.2	[49.3, 59.1]	15.4	[12.0, 19.5]	6.1	[4.0, 9.1]	24.3	[20.3, 28.9]	100.0
W/E Central/E (n=757)	51.2	[47.1, 55.3]	14.8	[12.0, 18.0]	6.4	[4.5, 8.8]	27.7	[24.1, 31.6]	100.0
S Central/SW/SE (n=512)	46.3	[41.3, 51.4]	18.6	[15.0, 22.9]	6.0	[3.9, 9.0]	29.1	[24.6, 34.0]	100.0
Detroit Metro (n=784)	49.9	[45.6, 54.2]	13.7	[10.7, 17.4]	8.0	[6.0, 10.7]	28.4	[24.7, 32.4]	100.0
Pearson: Uncorrected chi2(9) =	12.5420								
Design-based F(7.91, 20199.71) =	1.0621		Pr =	0.386					
Chronic condition (2018 survey or DW)									
Yes (n=1,624)	55.7	[52.5, 58.8]	14.8	[12.6, 17.4]	7.1	[5.7, 8.9]	22.4	[19.9, 25.1]	100.0
No (n=942)	41.4	[37.5, 45.4]	15.5	[12.8, 18.7]	6.8	[4.8, 9.5]	36.3	[32.5, 40.3]	100.0
Pearson: Uncorrected chi2(3) =	68.6616								
Design-based F(2.99, 7627.71) =	12.7995		Pr =	0.000					
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=292)	45.5	[38.5, 52.6]	11.3	[7.7, 16.4]	9.4	[6.2, 14.1]	33.8	[27.2, 41.1]	100.0
Mental health condition (n=930)	58.8	[54.7, 62.7]	15.5	[12.6, 19.0]	6.4	[4.6, 8.7]	19.3	[16.3, 22.7]	100.0
Substance use disorder (n=98)	28.5	[19.2, 40.0]	10.3	[5.8, 17.7]	19.7	[12.1, 30.5]	41.5	[30.2, 53.9]	100.0
None (n=1,246)	46.9	[43.3, 50.5]	16.1	[13.5, 19.1]	5.8	[4.2, 8.0]	31.2	[27.9, 34.6]	100.0
Pearson: Uncorrected chi2(9) =	97.6811								
Design-based F(8.75, 22342.92) =	7.0571		Pr =	0.000					
Total (n=2,566)	49.9	[47.5, 52.4]	15.1	[13.3, 17.1]	7.0	[5.8, 8.4]	28.0	[25.8, 30.3]	100.0

Note: Respondents were coded as "None" if they reported no regular source of care or indicated the question was not applicable to them because they did not need care. Respondents were coded as non-response if they reported "Other" as their regular source of care.

5.3 Q: In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

Universe: All respondents (N=2,602)

	Yes Row%	Yes 95%CI	No Row%	No 95%CI	Total Row%
			Regular source of care in last 12 months		
Age					
19-35 (n=1,006)	89.7	[87.1,91.8]	10.3	[8.2,12.9]	100.0
36-49 (n=678)	92.0	[88.7,94.5]	8.0	[5.5,11.3]	100.0
50-64 (n=851)	95.8	[93.6,97.2]	4.2	[2.8,6.4]	100.0
Pearson: Uncorrected chi2(2) =	20.0359				
Design-based F(1.92, 4855.26) =	6.2539	Pr =	0.002		
Gender					
Female (n=1,521)	95.0	[93.3,96.3]	5.0	[3.7,6.7]	100.0
Male (n=1,014)	88.4	[85.6,90.7]	11.6	[9.3,14.4]	100.0
Pearson: Uncorrected chi2(1) =	35.9772				
Design-based F(1.00, 2523.00) =	21.5433	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,651)	93.4	[91.6,94.8]	6.6	[5.2,8.4]	100.0
Black, non-Hispanic (n=418)	91.3	[87.2,94.2]	8.7	[5.8,12.8]	100.0
Hispanic (n=163)	83.4	[73.8,90.0]	16.6	[10.0,26.2]	100.0
Other, non-Hispanic (n=238)	92.0	[86.9,95.3]	8.0	[4.7,13.1]	100.0
Pearson: Uncorrected chi2(3) =	21.0814				
Design-based F(2.98, 7317.01) =	3.6669	Pr =	0.012		
FPL category					
0-35% (n=934)	90.0	[87.3,92.1]	10.0	[7.9,12.7]	100.0
36-99% (n=924)	93.3	[91.1,95.1]	6.7	[4.9,8.9]	100.0
100%+ (n=677)	94.4	[91.9,96.2]	5.6	[3.8,8.1]	100.0
Pearson: Uncorrected chi2(2) =	12.5060				
Design-based F(1.94, 4889.51) =	4.8939	Pr =	0.008		
Region					
UP/NW/NE (n=510)	92.8	[89.3,95.3]	7.2	[4.7,10.7]	100.0
W/E Central/E (n=749)	93.4	[90.6,95.3]	6.6	[4.7,9.4]	100.0
S Central/SW/SE (n=510)	92.5	[89.3,94.8]	7.5	[5.2,10.7]	100.0
Detroit Metro (n=766)	90.1	[87.0,92.5]	9.9	[7.5,13.0]	100.0
Pearson: Uncorrected chi2(3) =	7.1487				
Design-based F(2.75, 6935.20) =	1.6896	Pr =	0.172		
Chronic condition (2018 survey or DW)					
Yes (n=1,620)	94.5	[92.7,95.9]	5.5	[4.1,7.3]	100.0
No (n=915)	87.4	[84.3,90.0]	12.6	[10.0,15.7]	100.0
Pearson: Uncorrected chi2(1) =	40.1687				
Design-based F(1.00, 2523.00) =	21.4415	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=290)	93.3	[88.9,96.0]	6.7	[4.0,11.1]	100.0
Mental health condition (n=931)	95.9	[93.9,97.3]	4.1	[2.7,6.1]	100.0
Substance use disorder (n=98)	87.6	[74.7,94.4]	12.4	[5.6,25.3]	100.0
None (n=1,216)	88.8	[86.1,91.0]	11.2	[9.0,13.9]	100.0
Pearson: Uncorrected chi2(3) =	37.3968				
Design-based F(2.95, 7449.03) =	7.0057	Pr =	0.000		
Total (n=2,535)	91.7	[90.1,93.1]	8.3	[6.9,9.9]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

5.4 Summary: In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

Universe: All respondents (N=2,602)

Regular source of care in last 12 months	Weighted Proportion	95% CI
Yes (n=2,373)	89.1	[87.3, 90.6]
No (n=162)	8.1	[6.7, 9.6]
Not applicable - did not need care (n=63)	2.9	[2.1, 3.9]

Note: Total n is less than universe N due to item non-response.

5.4.1 Q: What kind of a place was it?

Universe: Respondents who had a regular source of care in the last 12 months (N=2,373)

	Clinic Row %	95% CI	Doctor's office Row %	95% CI	Type of regular source of care in last 12 months Urgent care/Walk-in clinic Row %	95% CI	Emergency room Row %	95% CI	Other Row %	95% CI	Total Row %
Age											
19-35 (n=916)	20.2	[17.2, 23.7]	60.4	[56.3, 64.3]	14.0	[11.3, 17.1]	4.7	[3.1, 7.0]	0.7	[0.3, 2.1]	100.0
36-49 (n=636)	15.7	[12.7, 19.3]	67.6	[62.8, 72.1]	8.5	[6.1, 11.7]	6.4	[3.9, 10.3]	1.8	[0.8, 4.1]	100.0
50-64 (n=820)	23.6	[20.3, 27.2]	69.6	[65.7, 73.3]	4.8	[3.3, 6.9]	1.0	[0.4, 2.1]	1.0	[0.5, 2.2]	100.0
Pearson: Uncorrected chi2(8) =	76.1067										
Design-based F(7.14, 16859.15) =	6.0155	Pr =	0.000								
Gender											
Female (n=1,459)	19.3	[16.9, 21.9]	69.6	[66.5, 72.4]	9.1	[7.4, 11.2]	1.5	[0.8, 2.6]	0.6	[0.3, 1.2]	100.0
Male (n=913)	20.5	[17.5, 24.0]	59.1	[54.9, 63.1]	11.6	[9.0, 14.7]	7.2	[5.1, 10.0]	1.6	[0.8, 3.2]	100.0
Pearson: Uncorrected chi2(4) =	65.9973										
Design-based F(3.94, 9301.68) =	10.0826	Pr =	0.000								
Race/ethnicity											
White, non-Hispanic (n=1,563)	16.3	[14.2, 18.7]	70.3	[67.2, 73.2]	10.1	[8.2, 12.4]	2.6	[1.6, 4.4]	0.7	[0.3, 1.6]	100.0
Black, non-Hispanic (n=386)	24.7	[19.6, 30.5]	52.0	[45.8, 58.2]	13.4	[9.5, 18.7]	8.6	[5.4, 13.4]	1.3	[0.4, 4.0]	100.0
Hispanic (n=144)	35.0	[26.7, 44.4]	46.8	[37.7, 56.1]	12.1	[6.9, 20.6]	3.6	[1.4, 8.7]	2.4	[0.8, 7.3]	100.0
Other, non-Hispanic (n=221)	22.5	[16.8, 29.6]	64.4	[56.5, 71.6]	6.2	[3.5, 10.7]	4.6	[2.0, 10.2]	2.3	[0.7, 7.1]	100.0
Pearson: Uncorrected chi2(12) =	107.9599										
Design-based F(11.31, 26044.85) =	4.8995	Pr =	0.000								
FPL category											
0-35% (n=853)	21.1	[18.0, 24.5]	61.4	[57.2, 65.4]	10.3	[7.8, 13.3]	5.8	[3.9, 8.4]	1.5	[0.8, 2.9]	100.0
36-99% (n=873)	17.7	[15.1, 20.6]	69.0	[65.5, 72.3]	10.5	[8.4, 13.1]	2.4	[1.4, 4.0]	0.4	[0.2, 1.0]	100.0
100%+ (n=646)	19.7	[16.4, 23.4]	66.8	[62.5, 71.0]	10.2	[7.6, 13.4]	2.4	[1.3, 4.7]	0.9	[0.3, 2.4]	100.0
Pearson: Uncorrected chi2(8) =	27.7945										
Design-based F(7.41, 17484.14) =	2.7783	Pr =	0.006								
Region											
UP/NW/NE (n=483)	32.6	[28.0, 37.6]	56.4	[51.3, 61.3]	7.3	[5.0, 10.7]	3.1	[1.5, 6.2]	0.5	[0.2, 1.7]	100.0
W/E Central/E (n=711)	16.9	[14.0, 20.3]	69.7	[65.6, 73.5]	8.5	[6.4, 11.3]	4.1	[2.6, 6.6]	0.7	[0.3, 1.8]	100.0
S Central/SW/SE (n=476)	21.4	[17.4, 26.1]	61.6	[56.2, 66.6]	11.9	[8.9, 15.8]	3.3	[1.7, 6.4]	1.7	[0.6, 4.7]	100.0
Detroit Metro (n=702)	18.3	[15.0, 22.2]	64.3	[59.7, 68.7]	11.3	[8.5, 14.9]	4.9	[3.0, 8.0]	1.1	[0.5, 2.6]	100.0
Pearson: Uncorrected chi2(12) =	40.4509										
Design-based F(10.10, 23833.41) =	2.3542	Pr =	0.009								
Chronic condition (2018 survey or DW)											
Yes (n=1,551)	19.5	[17.1, 22.2]	67.0	[63.8, 69.9]	8.4	[6.6, 10.5]	4.1	[2.8, 5.9]	1.1	[0.6, 2.0]	100.0
No (n=821)	20.5	[17.3, 24.1]	60.5	[56.1, 64.7]	13.5	[10.7, 17.0]	4.4	[2.6, 7.3]	1.1	[0.4, 2.8]	100.0
Pearson: Uncorrected chi2(4) =	18.5157										
Design-based F(3.88, 9149.26) =	2.2678	Pr =	0.061								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=272)	19.5	[14.4, 25.9]	62.3	[54.8, 69.2]	8.5	[5.1, 13.8]	6.4	[3.5, 11.3]	3.3	[1.3, 7.9]	100.0
Mental health condition (n=898)	16.1	[13.3, 19.3]	71.6	[67.7, 75.2]	8.8	[6.5, 11.8]	3.1	[1.9, 5.1]	0.3	[0.1, 1.0]	100.0
Substance use disorder (n=90)	16.5	[9.8, 26.2]	56.2	[43.7, 67.9]	7.4	[3.3, 16.0]	15.8	[7.6, 30.1]	4.1	[1.3, 12.0]	100.0
None (n=1,112)	23.0	[20.0, 26.3]	60.6	[56.7, 64.3]	12.1	[9.7, 15.0]	3.6	[2.0, 6.1]	0.8	[0.3, 2.2]	100.0
Pearson: Uncorrected chi2(12) =	90.7129										
Design-based F(11.06, 26098.92) =	4.4963	Pr =	0.000								
Total (n=2,372)	19.9	[17.9, 22.0]	64.5	[62.0, 67.0]	10.3	[8.7, 12.1]	4.2	[3.1, 5.7]	1.1	[0.6, 1.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.2 Regular source of care in last 12 months, detailed

Universe: All respondents (N=2,602)

	Doctor's office/Clinic Row %	95% CI	Urgent care/Walk-in clinic Row %	95% CI	Emergency room Row %	95% CI	None Row %	95% CI	Total Row %
Age									
19-35 (n=1,031)	70.4	[66.7, 73.8]	12.2	[9.8, 15.0]	4.1	[2.7, 6.2]	13.3	[10.9, 16.1]	100.0
36-49 (n=688)	75.2	[70.5, 79.4]	7.7	[5.5, 10.6]	5.8	[3.5, 9.4]	11.3	[8.4, 15.1]	100.0
50-64 (n=862)	88.4	[85.5, 90.7]	4.6	[3.2, 6.5]	0.9	[0.4, 2.0]	6.2	[4.5, 8.5]	100.0
Pearson: Uncorrected chi2(6) =	84.9956								
Design-based F(5.33, 13699.28) =	9.1184		Pr =	0.000					
Gender									
Female (n=1,538)	83.5	[81.0, 85.8]	8.6	[7.0, 10.5]	1.4	[0.8, 2.5]	6.5	[5.1, 8.3]	100.0
Male (n=1,043)	68.3	[64.5, 71.8]	9.9	[7.7, 12.7]	6.2	[4.4, 8.6]	15.7	[13.0, 18.7]	100.0
Pearson: Uncorrected chi2(3) =	108.3833								
Design-based F(2.99, 7687.47) =	21.1102		Pr =	0.000					
Race/ethnicity									
White, non-Hispanic (n=1,686)	78.9	[76.2, 81.5]	9.2	[7.4, 11.3]	2.4	[1.4, 4.0]	9.5	[7.8, 11.4]	100.0
Black, non-Hispanic (n=417)	69.9	[63.8, 75.3]	12.2	[8.6, 17.1]	7.8	[4.9, 12.2]	10.1	[6.9, 14.6]	100.0
Hispanic (n=166)	64.7	[54.6, 73.5]	9.6	[5.4, 16.6]	2.8	[1.1, 7.0]	22.9	[14.9, 33.5]	100.0
Other, non-Hispanic (n=245)	78.4	[71.6, 83.9]	5.6	[3.2, 9.7]	4.1	[1.8, 9.2]	11.9	[7.9, 17.5]	100.0
Pearson: Uncorrected chi2(9) =	75.6810								
Design-based F(8.56, 21426.75) =	4.3645		Pr =	0.000					
FPL category									
0-35% (n=948)	72.9	[69.1, 76.4]	9.1	[6.9, 11.8]	5.1	[3.5, 7.5]	12.9	[10.4, 15.8]	100.0
36-99% (n=942)	79.1	[75.9, 82.0]	9.6	[7.6, 12.0]	2.2	[1.3, 3.7]	9.1	[7.1, 11.6]	100.0
100%+ (n=691)	79.4	[75.5, 82.9]	9.3	[7.0, 12.3]	2.2	[1.2, 4.3]	9.0	[6.7, 12.0]	100.0
Pearson: Uncorrected chi2(6) =	26.1291								
Design-based F(5.73, 14732.19) =	3.1989		Pr =	0.005					
Region									
UP/NW/NE (n=514)	81.7	[77.2, 85.5]	6.7	[4.6, 9.8]	2.8	[1.4, 5.7]	8.7	[6.1, 12.3]	100.0
W/E Central/E (n=765)	79.1	[75.3, 82.4]	7.8	[5.9, 10.3]	3.8	[2.3, 6.1]	9.3	[7.1, 12.3]	100.0
S Central/SW/SE (n=518)	76.0	[71.3, 80.1]	10.9	[8.1, 14.5]	3.0	[1.5, 5.9]	10.1	[7.4, 13.6]	100.0
Detroit Metro (n=784)	72.5	[68.2, 76.4]	9.9	[7.5, 13.1]	4.3	[2.6, 7.0]	13.2	[10.5, 16.6]	100.0
Pearson: Uncorrected chi2(9) =	19.4089								
Design-based F(7.88, 20236.64) =	1.4691		Pr =	0.164					
Chronic condition (2018 survey or DW)									
Yes (n=1,630)	81.0	[78.2, 83.6]	7.8	[6.2, 9.8]	3.8	[2.6, 5.5]	7.3	[5.7, 9.3]	100.0
No (n=951)	68.0	[64.0, 71.8]	11.4	[9.0, 14.4]	3.7	[2.2, 6.2]	16.9	[14.0, 20.2]	100.0
Pearson: Uncorrected chi2(3) =	73.5933								
Design-based F(2.93, 7527.87) =	11.7648		Pr =	0.000					
Mental health condition and/or substance use disorder (2018 survey or DW)									
Mental health condition and substance use disorder (n=294)	75.7	[69.1, 81.2]	7.9	[4.8, 12.8]	5.9	[3.3, 10.5]	10.5	[7.0, 15.5]	100.0
Mental health condition (n=940)	82.8	[79.2, 85.9]	8.3	[6.1, 11.2]	3.0	[1.8, 4.8]	5.9	[4.1, 8.4]	100.0
Substance use disorder (n=96)	63.7	[50.7, 75.0]	6.5	[2.9, 14.2]	13.9	[6.6, 26.9]	15.9	[8.0, 29.0]	100.0
None (n=1,251)	72.1	[68.5, 75.4]	10.4	[8.3, 13.0]	3.1	[1.8, 5.3]	14.4	[12.0, 17.3]	100.0
Pearson: Uncorrected chi2(9) =	83.6815								
Design-based F(8.62, 22145.95) =	5.0665		Pr =	0.000					
Total (n=2,581)	75.8	[73.5, 78.0]	9.3	[7.8, 10.9]	3.8	[2.8, 5.1]	11.1	[9.6, 12.9]	100.0

Note: Respondents were coded as "None" if they reported no regular source of care or indicated the question was not applicable to them because they did not need care. Respondents were coded as non-response if they reported "Other" as their regular source of care.

5.4.3 Q: Is this the same place you went before you enrolled in the Healthy Michigan Plan?

Universe: Respondents who had a regular source of care in the last 12 months that was a clinic or doctor's office (N=2,082)

	Yes Row %	Yes 95% CI	No Row %	No 95% CI	Total Row %
Age					
19-35 (n=761)	53.8	[49.4, 58.1]	46.2	[41.9, 50.6]	100.0
36-49 (n=551)	44.8	[39.8, 49.9]	55.2	[50.1, 60.2]	100.0
50-64 (n=761)	50.4	[46.0, 54.8]	49.6	[45.2, 54.0]	100.0
Pearson: Uncorrected chi2(2) =	11.0902				
Design-based F(1.96, 4040.41) =	3.8397	Pr =	0.022		
Gender					
Female (n=1,309)	54.5	[51.1, 57.8]	45.5	[42.2, 48.9]	100.0
Male (n=764)	46.0	[41.5, 50.5]	54.0	[49.5, 58.5]	100.0
Pearson: Uncorrected chi2(1) =	14.8132				
Design-based F(1.00, 2061.00) =	8.8296	Pr =	0.003		
Race/ethnicity					
White, non-Hispanic (n=1,393)	48.3	[45.0, 51.6]	51.7	[48.4, 55.0]	100.0
Black, non-Hispanic (n=312)	55.7	[48.8, 62.4]	44.3	[37.6, 51.2]	100.0
Hispanic (n=122)	47.5	[37.5, 57.7]	52.5	[42.3, 62.5]	100.0
Other, non-Hispanic (n=194)	55.5	[47.0, 63.7]	44.5	[36.3, 53.0]	100.0
Pearson: Uncorrected chi2(3) =	9.8612				
Design-based F(2.94, 5896.78) =	1.9401	Pr =	0.122		
FPL category					
0-35% (n=730)	48.8	[44.4, 53.2]	51.2	[46.8, 55.6]	100.0
36-99% (n=765)	54.5	[50.5, 58.4]	45.5	[41.6, 49.5]	100.0
100%+ (n=578)	49.9	[45.3, 54.6]	50.1	[45.4, 54.7]	100.0
Pearson: Uncorrected chi2(2) =	4.9992				
Design-based F(1.89, 3893.42) =	1.9906	Pr =	0.139		
Region					
UP/NW/NE (n=441)	52.1	[46.9, 57.3]	47.9	[42.7, 53.1]	100.0
W/E Central/E (n=625)	50.0	[45.5, 54.4]	50.0	[45.6, 54.5]	100.0
S Central/SW/SE (n=401)	46.6	[41.0, 52.3]	53.4	[47.7, 59.0]	100.0
Detroit Metro (n=606)	52.6	[47.6, 57.4]	47.4	[42.6, 52.4]	100.0
Pearson: Uncorrected chi2(3) =	4.2135				
Design-based F(2.64, 5445.59) =	1.1101	Pr =	0.340		
Chronic condition (2018 survey or DW)					
Yes (n=1,379)	50.1	[46.7, 53.4]	49.9	[46.6, 53.3]	100.0
No (n=694)	51.6	[46.9, 56.2]	48.4	[43.8, 53.1]	100.0
Pearson: Uncorrected chi2(1) =	0.4418				
Design-based F(1.00, 2061.00) =	0.2666	Pr =	0.606		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=228)	38.5	[30.9, 46.7]	61.5	[53.3, 69.1]	100.0
Mental health condition (n=809)	52.9	[48.6, 57.2]	47.1	[42.8, 51.4]	100.0
Substance use disorder (n=69)	39.4	[26.9, 53.6]	60.6	[46.4, 73.1]	100.0
None (n=967)	52.6	[48.6, 56.7]	47.4	[43.3, 51.4]	100.0
Pearson: Uncorrected chi2(3) =	21.3784				
Design-based F(2.96, 6107.14) =	4.6184	Pr =	0.003		
Total (n=2,073)	50.6	[47.9, 53.3]	49.4	[46.7, 52.1]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.4 Q: Is this your primary care provider for your Healthy Michigan Plan coverage?

Universe: Respondents who had a regular source of care in the last 12 months that was a clinic or doctor's office (N=2,082)

| | Regular source of care is PCP | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=749)	90.5	[87.1, 93.0]	9.5	[7.0, 12.9]	100.0
36-49 (n=551)	96.1	[93.6, 97.6]	3.9	[2.4, 6.4]	100.0
50-64 (n=761)	97.7	[96.2, 98.7]	2.3	[1.3, 3.8]	100.0
Pearson: Uncorrected chi2(2) =	38.7706				
Design-based F(1.91, 3913.81) =	14.7743	Pr =	0.000		
Gender					
Female (n=1,301)	94.7	[92.8, 96.2]	5.3	[3.8, 7.2]	100.0
Male (n=760)	92.9	[89.7, 95.1]	7.1	[4.9, 10.3]	100.0
Pearson: Uncorrected chi2(1) =	3.0490				
Design-based F(1.00, 2049.00) =	1.4542	Pr =	0.228		
Race/ethnicity					
White, non-Hispanic (n=1,385)	95.1	[93.3, 96.4]	4.9	[3.6, 6.7]	100.0
Black, non-Hispanic (n=310)	90.7	[85.0, 94.4]	9.3	[5.6, 15.0]	100.0
Hispanic (n=121)	98.3	[93.0, 99.6]	1.7	[0.4, 7.0]	100.0
Other, non-Hispanic (n=193)	93.4	[88.6, 96.3]	6.6	[3.7, 11.4]	100.0
Pearson: Uncorrected chi2(3) =	14.8732				
Design-based F(2.75, 5498.59) =	2.9954	Pr =	0.034		
FPL category					
0-35% (n=725)	93.3	[90.2, 95.5]	6.7	[4.5, 9.8]	100.0
36-99% (n=767)	93.7	[91.3, 95.4]	6.3	[4.6, 8.7]	100.0
100%+ (n=569)	95.6	[93.1, 97.2]	4.4	[2.8, 6.9]	100.0
Pearson: Uncorrected chi2(2) =	2.6351				
Design-based F(1.83, 3742.87) =	0.9154	Pr =	0.393		
Region					
UP/NW/NE (n=435)	95.5	[92.6, 97.3]	4.5	[2.7, 7.4]	100.0
W/E Central/E (n=620)	96.1	[93.8, 97.6]	3.9	[2.4, 6.2]	100.0
S Central/SW/SE (n=403)	94.3	[90.9, 96.5]	5.7	[3.5, 9.1]	100.0
Detroit Metro (n=603)	91.8	[88.2, 94.4]	8.2	[5.6, 11.8]	100.0
Pearson: Uncorrected chi2(3) =	12.7862				
Design-based F(2.61, 5356.49) =	3.0435	Pr =	0.034		
Chronic condition (2018 survey or DW)					
Yes (n=1,375)	94.7	[92.6, 96.3]	5.3	[3.7, 7.4]	100.0
No (n=686)	92.3	[89.1, 94.7]	7.7	[5.3, 10.9]	100.0
Pearson: Uncorrected chi2(1) =	4.8061				
Design-based F(1.00, 2049.00) =	2.2505	Pr =	0.134		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=229)	92.1	[83.7, 96.4]	7.9	[3.6, 16.3]	100.0
Mental health condition (n=802)	95.0	[92.6, 96.6]	5.0	[3.4, 7.4]	100.0
Substance use disorder (n=69)	96.8	[87.4, 99.2]	3.2	[0.8, 12.6]	100.0
None (n=961)	93.3	[90.6, 95.2]	6.7	[4.8, 9.4]	100.0
Pearson: Uncorrected chi2(3) =	4.5364				
Design-based F(2.60, 5332.63) =	0.7545	Pr =	0.502		
Total (n=2,061)	93.9	[92.2, 95.2]	6.1	[4.8, 7.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.5 Q: Do you have a primary care provider through your Healthy Michigan Plan coverage?

Universe: Respondents who did not name a doctor's office or clinic as their regular source of care (N=497)

	Has PCP, but PCP not regular source of care						Total
	Yes		**No**		**Don't know**		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=267)	56.9	[49.6, 63.9]	36.0	[29.5, 43.1]	7.1	[3.9, 12.6]	100.0
36-49 (n=134)	63.3	[52.2, 73.1]	28.9	[20.3, 39.5]	7.8	[3.1, 18.1]	100.0
50-64 (n=96)	64.5	[52.3, 75.0]	32.5	[22.2, 44.7]	3.1	[1.1, 8.5]	100.0
Pearson: Uncorrected chi2(4) =	3.6446						
Design-based F(3.28, 1588.60) =	0.6867	Pr =	0.573				
Gender							
Female (n=224)	65.1	[57.0, 72.4]	31.6	[24.4, 39.8]	3.3	[1.7, 6.1]	100.0
Male (n=273)	56.5	[49.3, 63.6]	34.9	[28.6, 41.7]	8.6	[4.9, 14.5]	100.0
Pearson: Uncorrected chi2(2) =	6.3253						
Design-based F(1.92, 929.69) =	2.8192	Pr =	0.063				
Race/ethnicity							
White, non-Hispanic (n=288)	64.1	[57.4, 70.4]	32.4	[26.3, 39.1]	3.5	[1.9, 6.3]	100.0
Black, non-Hispanic (n=103)	54.0	[42.1, 65.4]	41.6	[30.4, 53.6]	4.5	[1.6, 12.1]	100.0
Hispanic (n=44)	45.0	[28.4, 62.8]	27.4	[15.3, 44.1]	27.6	[12.5, 50.5]	100.0
Other, non-Hispanic (n=48)	60.7	[43.5, 75.5]	29.8	[17.0, 46.6]	9.6	[2.4, 31.7]	100.0
Pearson: Uncorrected chi2(6) =	43.7259						
Design-based F(5.54, 2608.11) =	4.3031	Pr =	0.000				
FPL category							
0-35% (n=213)	58.6	[50.6, 66.2]	32.7	[25.9, 40.4]	8.7	[4.8, 15.2]	100.0
36-99% (n=172)	58.5	[50.0, 66.5]	37.8	[29.9, 46.4]	3.7	[1.9, 7.0]	100.0
100%+ (n=112)	64.0	[53.4, 73.4]	32.0	[23.2, 42.4]	4.0	[1.1, 13.3]	100.0
Pearson: Uncorrected chi2(4) =	5.2158						
Design-based F(3.69, 1790.78) =	1.1950	Pr =	0.311				
Region							
UP/NW/NE (n=71)	65.8	[52.4, 77.1]	30.7	[19.8, 44.3]	3.4	[1.0, 10.9]	100.0
W/E Central/E (n=138)	51.0	[41.4, 60.5]	41.1	[32.0, 50.9]	7.9	[3.8, 15.5]	100.0
S Central/SW/SE (n=113)	59.1	[48.1, 69.1]	36.7	[26.9, 47.8]	4.2	[1.8, 9.6]	100.0
Detroit Metro (n=175)	62.7	[53.6, 70.9]	29.6	[22.3, 38.1]	7.8	[3.7, 15.6]	100.0
Pearson: Uncorrected chi2(6) =	7.6528						
Design-based F(5.04, 2443.82) =	1.1434	Pr =	0.335				
Chronic condition (2018 survey or DW)							
Yes (n=242)	60.6	[52.4, 68.2]	31.3	[24.5, 39.0]	8.1	[4.1, 15.4]	100.0
No (n=255)	58.4	[50.8, 65.6]	35.9	[29.2, 43.3]	5.7	[2.9, 10.7]	100.0
Pearson: Uncorrected chi2(2) =	1.9528						
Design-based F(1.96, 948.34) =	0.5540	Pr =	0.571				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=63)	70.2	[56.8, 80.8]	25.7	[16.0, 38.7]	4.1	[1.2, 13.0]	100.0
Mental health condition (n=129)	59.6	[48.3, 69.9]	33.7	[24.5, 44.4]	6.7	[1.9, 20.7]	100.0
Substance use disorder (n=26)	50.2	[28.4, 71.9]	35.1	[17.2, 58.5]	14.7	[3.7, 43.2]	100.0
None (n=279)	58.0	[50.5, 65.1]	35.4	[28.7, 42.7]	6.7	[3.7, 11.7]	100.0
Pearson: Uncorrected chi2(6) =	6.3443						
Design-based F(5.27, 2554.12) =	0.6375	Pr =	0.679				
Total (n=497)	59.4	[53.9, 64.7]	33.8	[28.9, 39.0]	6.8	[4.2, 10.8]	100.0

5.4.5.1 Q: Did you choose your primary care provider or did your health plan assign you to one?

Universe: Respondents who did not name a doctor's office or clinic as their regular source of care; and had a PCP, but their PCP was not their regular source of care (N=302)

	Chose or assigned PCP that is not regular source of care						Total
	Chose		**Plan assigned**		**Don't know**		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=151)	50.9	[41.1, 60.6]	46.4	[36.7, 56.3]	2.7	[0.9, 8.1]	100.0
36-49 (n=87)	62.8	[48.8, 74.9]	35.8	[23.8, 49.9]	1.4	[0.3, 6.5]	100.0
50-64 (n=64)	60.9	[45.8, 74.1]	38.4	[25.3, 53.5]	0.7	[0.1, 4.9]	100.0
Pearson: Uncorrected chi2(4) =	4.2257						
Design-based F(3.14, 911.22) =	1.0734	Pr =	0.361				
Gender							
Female (n=151)	68.1	[58.0, 76.8]	30.6	[22.0, 40.8]	1.3	[0.3, 4.8]	100.0
Male (n=151)	47.9	[38.1, 58.0]	49.4	[39.5, 59.4]	2.6	[0.9, 7.7]	100.0
Pearson: Uncorrected chi2(2) =	11.6632						
Design-based F(1.87, 541.88) =	4.8909	Pr =	0.009				
Race/ethnicity							
White, non-Hispanic (n=181)	61.5	[51.8, 70.4]	37.4	[28.6, 47.2]	1.1	[0.3, 3.4]	100.0
Black, non-Hispanic (n=58)	45.4	[30.5, 61.3]	54.6	[38.7, 69.5]	0.0		100.0
Hispanic (n=23)	55.0	[32.2, 75.9]	39.8	[20.6, 62.7]	5.2	[0.7, 29.8]	100.0
Other, non-Hispanic (n=32)	53.1	[35.1, 70.3]	42.3	[25.6, 61.0]	4.5	[0.6, 26.3]	100.0
Pearson: Uncorrected chi2(6) =	11.4386						
Design-based F(5.53, 1560.86) =	1.4759	Pr =	0.188				
FPL category							
0-35% (n=124)	49.9	[39.2, 60.6]	47.5	[37.0, 58.3]	2.6	[0.8, 8.1]	100.0
36-99% (n=104)	65.3	[54.7, 74.6]	33.4	[24.2, 44.0]	1.3	[0.2, 8.8]	100.0
100%+ (n=74)	61.6	[49.2, 72.7]	36.8	[25.8, 49.3]	1.6	[0.5, 4.8]	100.0
Pearson: Uncorrected chi2(4) =	5.8889						
Design-based F(3.51, 1018.29) =	1.6241	Pr =	0.174				
Region							
UP/NW/NE (n=47)	61.2	[45.6, 74.8]	36.3	[23.0, 52.2]	2.5	[0.6, 9.2]	100.0
W/E Central/E (n=74)	62.7	[49.2, 74.5]	35.3	[23.8, 48.8]	2.0	[0.3, 13.1]	100.0
S Central/SW/SE (n=68)	62.2	[47.9, 74.6]	34.9	[22.9, 49.2]	2.9	[0.5, 14.8]	100.0
Detroit Metro (n=113)	49.3	[38.0, 60.6]	48.9	[37.6, 60.3]	1.8	[0.4, 7.9]	100.0
Pearson: Uncorrected chi2(6) =	5.8228						
Design-based F(5.15, 1492.60) =	0.8882	Pr =	0.490				
Chronic condition (2018 survey or DW)							
Yes (n=154)	58.2	[48.1, 67.8]	39.8	[30.4, 49.9]	2.0	[0.6, 6.4]	100.0
No (n=148)	52.8	[42.4, 63.0]	45.0	[34.8, 55.5]	2.3	[0.6, 8.2]	100.0
Pearson: Uncorrected chi2(2) =	0.9074						
Design-based F(1.97, 571.54) =	0.3037	Pr =	0.735				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=40)	66.4	[47.9, 81.0]	33.0	[18.5, 51.6]	0.6	[0.1, 4.2]	100.0
Mental health condition (n=82)	64.0	[49.7, 76.1]	36.0	[23.9, 50.3]	0.0		100.0
Substance use disorder (n=14)	40.0	[15.9, 70.2]	60.0	[29.8, 84.1]	0.0		100.0
None (n=166)	50.3	[40.4, 60.1]	46.1	[36.4, 56.2]	3.6	[1.4, 9.0]	100.0
Pearson: Uncorrected chi2(6) =	10.6113						
Design-based F(5.27, 1528.17) =	1.3738	Pr =	0.229				
Total (n=302)	55.4	[48.1, 62.5]	42.5	[35.5, 49.8]	2.1	[0.8, 5.2]	100.0

5.4.6 Reported having a primary care provider

Universe: All respondents (N=2,602)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	78.6	[75.2, 81.6]	21.4	[18.4, 24.8]	100.0
36-49 (n=696)	86.4	[82.5, 89.5]	13.6	[10.5, 17.5]	100.0
50-64 (n=870)	92.4	[90.0, 94.2]	7.6	[5.8, 10.0]	100.0
Pearson: Uncorrected chi2(2) =	62.9576				
Design-based F(1.87, 4838.51) =	20.8808	Pr =	0.000		
Gender					
Female (n=1,547)	88.8	[86.6, 90.7]	11.2	[9.3, 13.4]	100.0
Male (n=1,055)	78.9	[75.4, 82.0]	21.1	[18.0, 24.6]	100.0
Pearson: Uncorrected chi2(1) =	47.0409				
Design-based F(1.00, 2590.00) =	27.3646	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	87.4	[85.2, 89.3]	12.6	[10.7, 14.8]	100.0
Black, non-Hispanic (n=422)	78.2	[72.6, 83.0]	21.8	[17.0, 27.4]	100.0
Hispanic (n=169)	77.7	[67.6, 85.4]	22.3	[14.6, 32.4]	100.0
Other, non-Hispanic (n=248)	81.0	[73.5, 86.7]	19.0	[13.3, 26.5]	100.0
Pearson: Uncorrected chi2(3) =	33.5129				
Design-based F(2.97, 7499.65) =	5.2657	Pr =	0.001		
FPL category					
0-35% (n=960)	81.7	[78.3, 84.7]	18.3	[15.3, 21.7]	100.0
36-99% (n=947)	85.6	[82.6, 88.0]	14.4	[12.0, 17.4]	100.0
100%+ (n=695)	87.4	[84.1, 90.1]	12.6	[9.9, 15.9]	100.0
Pearson: Uncorrected chi2(2) =	10.7909				
Design-based F(1.91, 4937.56) =	4.0449	Pr =	0.019		
Region					
UP/NW/NE (n=518)	88.2	[84.4, 91.1]	11.8	[8.9, 15.6]	100.0
W/E Central/E (n=770)	85.1	[81.8, 88.0]	14.9	[12.0, 18.2]	100.0
S Central/SW/SE (n=523)	84.2	[79.9, 87.6]	15.8	[12.4, 20.1]	100.0
Detroit Metro (n=791)	81.9	[78.0, 85.2]	18.1	[14.8, 22.0]	100.0
Pearson: Uncorrected chi2(3) =	7.3226				
Design-based F(2.63, 6811.47) =	1.7545	Pr =	0.161		
Chronic condition (2018 survey or DW)					
Yes (n=1,644)	86.6	[84.1, 88.8]	13.4	[11.2, 15.9]	100.0
No (n=958)	79.5	[75.9, 82.7]	20.5	[17.3, 24.1]	100.0
Pearson: Uncorrected chi2(1) =	23.1930				
Design-based F(1.00, 2590.00) =	11.9354	Pr =	0.001		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	83.7	[77.2, 88.6]	16.3	[11.4, 22.8]	100.0
Mental health condition (n=944)	87.8	[84.7, 90.4]	12.2	[9.6, 15.3]	100.0
Substance use disorder (n=100)	75.9	[63.6, 85.1]	24.1	[14.9, 36.4]	100.0
None (n=1,257)	81.7	[78.5, 84.5]	18.3	[15.5, 21.5]	100.0
Pearson: Uncorrected chi2(3) =	19.1457				
Design-based F(2.99, 7736.09) =	3.4808	Pr =	0.015		
Total (n=2,602)	83.8	[81.7, 85.7]	16.2	[14.3, 18.3]	100.0

Note: Reported having a primary care provider PCP was categorized as Yes if the respondent either reported their regular source of care was their PCP or reported having a PCP through HMP even if their PCP was not their regular source of care.

5.4.6.1 Q: Have you seen your primary care provider in the past 12 months?

Universe: Respondents who had a primary care provider (N=2,264)

	Yes Row %	Yes 95% CI	No Row %	No 95% CI	Total Row %
Age					
19-35 (n=833)	77.8	[73.8, 81.2]	22.2	[18.8, 26.2]	100.0
36-49 (n=613)	83.4	[78.9, 87.1]	16.6	[12.9, 21.1]	100.0
50-64 (n=804)	94.1	[92.0, 95.7]	5.9	[4.3, 8.0]	100.0
Pearson: Uncorrected chi2(2) =	72.9132				
Design-based F(1.80, 4031.95) =	24.3502	Pr =	0.000		
Gender					
Female (n=1,382)	89.4	[87.2, 91.3]	10.6	[8.7, 12.8]	100.0
Male (n=868)	77.0	[73.0, 80.6]	23.0	[19.4, 27.0]	100.0
Pearson: Uncorrected chi2(1) =	62.1498				
Design-based F(1.00, 2238.00) =	36.6048	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,500)	84.3	[81.4, 86.8]	15.7	[13.2, 18.6]	100.0
Black, non-Hispanic (n=343)	82.7	[76.6, 87.5]	17.3	[12.5, 23.4]	100.0
Hispanic (n=140)	79.0	[69.7, 86.1]	21.0	[13.9, 30.3]	100.0
Other, non-Hispanic (n=211)	84.5	[78.4, 89.2]	15.5	[10.8, 21.6]	100.0
Pearson: Uncorrected chi2(3) =	3.1644				
Design-based F(2.88, 6285.52) =	0.5812	Pr =	0.620		
FPL category					
0-35% (n=812)	83.5	[79.7, 86.7]	16.5	[13.3, 20.3]	100.0
36-99% (n=820)	84.0	[80.8, 86.8]	16.0	[13.2, 19.2]	100.0
100%+ (n=618)	82.4	[78.4, 85.9]	17.6	[14.1, 21.6]	100.0
Pearson: Uncorrected chi2(2) =	0.4845				
Design-based F(1.87, 4174.53) =	0.1637	Pr =	0.834		
Region					
UP/NW/NE (n=461)	85.8	[81.4, 89.3]	14.2	[10.7, 18.6]	100.0
W/E Central/E (n=673)	88.2	[85.0, 90.8]	11.8	[9.2, 15.0]	100.0
S Central/SW/SE (n=445)	84.7	[80.3, 88.3]	15.3	[11.7, 19.7]	100.0
Detroit Metro (n=671)	79.3	[74.8, 83.2]	20.7	[16.8, 25.2]	100.0
Pearson: Uncorrected chi2(3) =	23.5419				
Design-based F(2.67, 5982.28) =	5.7442	Pr =	0.001		
Chronic condition (2018 survey or DW)					
Yes (n=1,470)	89.4	[86.8, 91.5]	10.6	[8.5, 13.2]	100.0
No (n=780)	73.8	[69.4, 77.7]	26.2	[22.3, 30.6]	100.0
Pearson: Uncorrected chi2(1) =	93.6493				
Design-based F(1.00, 2238.00) =	46.5908	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=256)	86.0	[78.6, 91.1]	14.0	[8.9, 21.4]	100.0
Mental health condition (n=849)	92.2	[89.1, 94.4]	7.8	[5.6, 10.9]	100.0
Substance use disorder (n=81)	82.1	[69.5, 90.2]	17.9	[9.8, 30.5]	100.0
None (n=1,064)	76.7	[73.0, 80.0]	23.3	[20.0, 27.0]	100.0
Pearson: Uncorrected chi2(3) =	80.8012				
Design-based F(2.92, 6537.57) =	14.1106	Pr =	0.000		
Total (n=2,250)	83.4	[81.2, 85.5]	16.6	[14.5, 18.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.4.6.1.1   Q: Why not?

Universe: Respondents who had a primary care provider and had not seen them in the past 12 months (N=298)

Reasons for not seeing PCP	Weighted Proportion	95% CI
Healthy/didn't need care (n=151)	51.6	[44.3, 58.9]
Just didn't want to go/didn't get around to it (n=82)	28.0	[21.8, 35.2]
Difficulty getting appointment (n=19)	6.5	[3.8, 11.0]
Saw a specialist instead (n=17)	4.9	[2.8, 8.3]
Other (n=15)	4.8	[2.6, 8.5]
Transportation/logistics (n=15)	4.5	[2.6, 7.8]
Don't like PCP, office staff/wanted a new doctor (n=11)	3.3	[1.7, 6.5]
Inconvenient hours (n=6)	2.3	[0.8, 6.3]
Don't like doctors in general (n=5)	1.1	[0.4, 2.8]

Note: Respondents were able to provide multiple responses.

5.5 Q: In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider?

Universe: All respondents (N=2,602)

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	Very easy		Easy		PCP appointment ease in past 12 months Neutral		Difficult		Very difficult		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=921)	33.2	[29.6, 36.9]	40.0	[36.1, 44.0]	17.2	[14.4, 20.4]	7.3	[5.4, 9.8]	2.3	[1.3, 4.1]	100.0
36-49 (n=634)	34.4	[30.0, 39.0]	40.9	[36.2, 45.8]	14.3	[10.8, 18.6]	8.2	[5.9, 11.3]	2.3	[1.2, 4.1]	100.0
50-64 (n=804)	35.8	[31.9, 39.9]	45.8	[41.6, 50.1]	10.6	[8.3, 13.5]	5.9	[4.1, 8.3]	1.8	[0.9, 3.6]	100.0
Pearson: Uncorrected chi2(8) =	17.9442										
Design-based F(7.70, 18069.81) =	1.4813	Pr =	0.161								
Gender											
Female (n=1,449)	37.0	[34.0, 40.1]	40.4	[37.3, 43.5]	13.7	[11.6, 16.1]	7.2	[5.6, 9.1]	1.8	[1.0, 3.4]	100.0
Male (n=910)	31.1	[27.5, 34.8]	43.0	[38.9, 47.1]	16.2	[13.2, 19.6]	7.2	[5.3, 9.7]	2.5	[1.6, 4.1]	100.0
Pearson: Uncorrected chi2(4) =	10.8724										
Design-based F(3.97, 9328.74) =	1.5271	Pr =	0.192								
Race/ethnicity											
White, non-Hispanic (n=1,537)	36.3	[33.3, 39.4]	41.0	[37.9, 44.2]	14.3	[12.1, 16.7]	7.0	[5.5, 8.9]	1.4	[0.9, 2.3]	100.0
Black, non-Hispanic (n=386)	29.9	[24.8, 35.5]	42.1	[36.1, 48.3]	17.3	[12.7, 23.0]	7.8	[4.8, 12.2]	3.1	[1.3, 6.8]	100.0
Hispanic (n=153)	34.9	[26.8, 44.0]	41.0	[32.3, 50.2]	13.1	[7.9, 20.9]	6.9	[3.4, 13.4]	4.1	[1.5, 10.6]	100.0
Other, non-Hispanic (n=224)	35.2	[28.1, 43.0]	41.0	[33.4, 49.0]	14.2	[9.4, 20.8]	7.1	[3.9, 12.5]	2.6	[1.0, 6.5]	100.0
Pearson: Uncorrected chi2(12) =	16.2503										
Design-based F(11.58, 26497.02) =	0.7556	Pr =	0.692								
FPL category											
0-35% (n=867)	32.7	[29.1, 36.5]	41.3	[37.3, 45.4]	14.8	[12.0, 18.2]	8.6	[6.6, 11.2]	2.6	[1.6, 4.4]	100.0
36-99% (n=858)	37.2	[33.6, 40.9]	41.9	[38.2, 45.7]	14.1	[11.7, 16.8]	5.4	[3.9, 7.4]	1.4	[0.8, 2.4]	100.0
100%+ (n=634)	33.8	[29.8, 38.1]	42.3	[38.0, 46.8]	16.2	[13.1, 19.9]	5.7	[3.9, 8.3]	2.0	[1.0, 4.0]	100.0
Pearson: Uncorrected chi2(8) =	14.0472										
Design-based F(7.52, 17645.20) =	1.4371	Pr =	0.180								
Region											
UP/NW/NE (n=479)	42.0	[37.1, 47.0]	36.5	[31.8, 41.4]	15.0	[11.5, 19.2]	5.2	[3.3, 8.2]	1.3	[0.6, 2.8]	100.0
W/E Central/E (n=698)	36.1	[32.1, 40.3]	40.8	[36.8, 45.0]	14.0	[11.2, 17.3]	6.7	[4.8, 9.3]	2.4	[1.4, 4.2]	100.0
S Central/SW/SE (n=465)	35.8	[31.0, 41.0]	39.3	[34.2, 44.6]	12.0	[9.0, 16.0]	9.7	[6.7, 13.8]	3.2	[1.6, 6.2]	100.0
Detroit Metro (n=717)	30.5	[26.6, 34.7]	44.2	[39.7, 48.8]	16.7	[13.5, 20.5]	6.8	[4.8, 9.5]	1.8	[0.8, 3.7]	100.0
Pearson: Uncorrected chi2(12) =	27.3603										
Design-based F(10.22, 23990.01) =	1.6973	Pr =	0.073								
Chronic condition (2018 survey or DW)											
Yes (n=1,543)	35.4	[32.4, 38.5]	41.5	[38.4, 44.6]	13.1	[11.0, 15.4]	7.8	[6.2, 9.7]	2.3	[1.5, 3.7]	100.0
No (n=816)	32.0	[28.3, 36.0]	41.9	[37.6, 46.3]	17.9	[14.6, 21.7]	6.3	[4.4, 8.9]	1.9	[1.0, 3.7]	100.0
Pearson: Uncorrected chi2(4) =	12.7594										
Design-based F(3.97, 9327.71) =	1.7588	Pr =	0.135								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=272)	28.6	[22.7, 35.3]	41.6	[34.3, 49.3]	16.5	[11.7, 22.8]	10.7	[6.7, 16.6]	2.6	[1.1, 6.1]	100.0
Mental health condition (n=900)	37.0	[33.1, 40.9]	39.0	[35.0, 43.1]	12.4	[10.1, 15.2]	9.2	[7.0, 11.9]	2.4	[1.3, 4.4]	100.0
Substance use disorder (n=88)	38.2	[27.2, 50.7]	42.9	[31.0, 55.8]	9.6	[5.0, 17.6]	6.6	[2.9, 14.5]	2.6	[0.8, 8.5]	100.0
None (n=1,099)	33.2	[29.7, 36.8]	43.4	[39.7, 47.3]	16.7	[13.8, 20.0]	4.9	[3.4, 7.1]	1.9	[1.0, 3.4]	100.0
Pearson: Uncorrected chi2(12) =	34.8725										
Design-based F(11.35, 26634.71) =	1.9149	Pr =	0.031								
Total (n=2,359)	34.1	[31.8, 36.5]	41.6	[39.1, 44.2]	14.9	[13.1, 16.9]	7.2	[5.9, 8.7]	2.2	[1.5, 3.2]	100.0

Note: Total n is less than universe N due to item non-response. Not applicable responses were removed.

5.6 Summary: In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider?

Universe: All respondents (N=2,602)

PCP appointment ease in past 12 months	Weighted Proportion	95% CI
Very easy (n=864)	30.8	[28.6, 33.0]
Easy (n=980)	37.6	[35.2, 40.0]
Neutral (n=327)	13.4	[11.8, 15.3]
Difficult (n=144)	6.5	[5.3, 7.9]
Very difficult (n=44)	2.0	[1.4, 2.9]
Not applicable (n=226)	9.7	[8.3, 11.3]

Note: Total n is less than universe N due to item non-response.

5.6.1 Q: What made it difficult?

Universe: Respondents who had a difficult or very difficult time making an appointment to see their PCP in the past 12 months (N=188)

Reasons PCP visit difficult	Weighted Proportion	95% CI
Difficulty getting appointment (n=147)	73.8	[64.8, 81.2]
My PCP not available/had to see another provider (n=21)	10.6	[6.6, 16.6]
Transportation/logistics (n=13)	10.0	[5.3, 18.1]
Other (n=14)	8.6	[4.5, 15.9]
Inconvenient hours (n=11)	5.9	[3.0, 11.0]
No response from provider's office/provider's office not open (n=9)	5.2	[2.4, 10.7]
Don't like PCP, office staff/wanted a new doctor (n=1)	1.2	[0.2, 8.2]

Note: Respondents were able to provide multiple responses.

5.7   Q: In the last 12 months, did you visit a dentist?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
Age					
19-35 (n=1,033)	55.6	[51.8, 59.3]	44.4	[40.7, 48.2]	100.0
36-49 (n=693)	54.7	[50.1, 59.3]	45.3	[40.7, 49.9]	100.0
50-64 (n=867)	49.7	[45.6, 53.7]	50.3	[46.3, 54.4]	100.0
Pearson: Uncorrected chi2(2) =	6.0466				
Design-based F(1.94, 5010.88) =	2.0854	Pr =	0.126		
Gender					
Female (n=1,539)	58.5	[55.4, 61.6]	41.5	[38.4, 44.6]	100.0
Male (n=1,054)	49.6	[45.8, 53.4]	50.4	[46.6, 54.2]	100.0
Pearson: Uncorrected chi2(1) =	20.6459				
Design-based F(1.00, 2581.00) =	12.6956	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,692)	53.1	[50.0, 56.1]	46.9	[43.9, 50.0]	100.0
Black, non-Hispanic (n=421)	52.7	[46.8, 58.6]	47.3	[41.4, 53.2]	100.0
Hispanic (n=167)	53.4	[44.2, 62.3]	46.6	[37.7, 55.8]	100.0
Other, non-Hispanic (n=247)	59.5	[51.8, 66.7]	40.5	[33.3, 48.2]	100.0
Pearson: Uncorrected chi2(3) =	4.6638				
Design-based F(2.97, 7474.27) =	0.8718	Pr =	0.454		
FPL category					
0-35% (n=957)	50.4	[46.5, 54.3]	49.6	[45.7, 53.5]	100.0
36-99% (n=942)	60.5	[56.9, 64.0]	39.5	[36.0, 43.1]	100.0
100%+ (n=694)	55.2	[50.9, 59.5]	44.8	[40.5, 49.1]	100.0
Pearson: Uncorrected chi2(2) =	19.3338				
Design-based F(1.90, 4894.96) =	7.8938	Pr =	0.000		
Region					
UP/NW/NE (n=517)	55.1	[50.3, 59.9]	44.9	[40.1, 49.7]	100.0
W/E Central/E (n=767)	55.4	[51.3, 59.4]	44.6	[40.6, 48.7]	100.0
S Central/SW/SE (n=521)	51.9	[46.8, 56.9]	48.1	[43.1, 53.2]	100.0
Detroit Metro (n=788)	53.9	[49.5, 58.1]	46.1	[41.9, 50.5]	100.0
Pearson: Uncorrected chi2(3) =	1.6340				
Design-based F(2.64, 6804.11) =	0.4354	Pr =	0.702		
Chronic condition (2018 survey or DW)					
Yes (n=1,639)	52.1	[49.0, 55.2]	47.9	[44.8, 51.0]	100.0
No (n=954)	56.8	[52.8, 60.8]	43.2	[39.2, 47.2]	100.0
Pearson: Uncorrected chi2(1) =	5.5491				
Design-based F(1.00, 2581.00) =	3.2832	Pr =	0.070		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=301)	52.4	[45.4, 59.3]	47.6	[40.7, 54.6]	100.0
Mental health condition (n=938)	60.3	[56.3, 64.2]	39.7	[35.8, 43.7]	100.0
Substance use disorder (n=100)	36.1	[25.5, 48.1]	63.9	[51.9, 74.5]	100.0
None (n=1,254)	51.6	[48.1, 55.2]	48.4	[44.8, 51.9]	100.0
Pearson: Uncorrected chi2(3) =	29.8954				
Design-based F(2.99, 7721.11) =	6.2853	Pr =	0.000		
Total (n=2,593)	54.0	[51.5, 56.4]	46.0	[43.6, 48.5]	100.0

Note: Total n is less than universe N due to item non-response.

5.7.1 Q: Why not?

Universe: Respondents who had not seen a dentist in the last 12 months (N=1,137)

Reasons for no dental visit	Weighted Proportion	95% CI
Just didn't want to go/didn't get around to it (n=398)	37.1	[33.5, 40.8]
Healthy/didn't need care (n=325)	27.6	[24.4, 31.1]
Difficulty/inability finding a provider (n=172)	14.5	[12.1, 17.2]
Doesn't realize HMP covers dental at all (n=91)	8.9	[6.9, 11.4]
Afraid of going to dentist/dislike dentist (n=88)	6.7	[5.1, 8.6]
Cost/insurance plan wouldn't cover services needed (n=71)	5.5	[4.2, 7.1]
Transportation/logistics (n=45)	3.2	[2.3, 4.4]
Other (n=30)	3.0	[2.0, 4.6]
Difficulty getting appointment (n=19)	1.4	[0.8, 2.3]
Inconvenient hours (n=14)	1.0	[0.6, 1.8]

Note: Respondents were able to provide multiple responses.

5.8 Q: During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?

Universe: All respondents (N=2,602)

| | ER visit in past 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,030)	37.7	[34.1, 41.4]	62.3	[58.6, 65.9]	100.0
36-49 (n=692)	40.0	[35.6, 44.7]	60.0	[55.3, 64.4]	100.0
50-64 (n=864)	36.6	[32.7, 40.7]	63.4	[59.3, 67.3]	100.0
Pearson: Uncorrected chi2(2) =	1.7307				
Design-based F(1.95, 5011.49) =	0.5969	Pr =	0.546		
Gender					
Female (n=1,539)	38.1	[35.1, 41.2]	61.9	[58.8, 64.9]	100.0
Male (n=1,047)	38.0	[34.3, 41.7]	62.0	[58.3, 65.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0061				
Design-based F(1.00, 2574.00) =	0.0037	Pr =	0.951		
Race/ethnicity					
White, non-Hispanic (n=1,686)	37.1	[34.2, 40.0]	62.9	[60.0, 65.8]	100.0
Black, non-Hispanic (n=421)	45.9	[40.1, 51.9]	54.1	[48.1, 59.9]	100.0
Hispanic (n=168)	33.7	[25.8, 42.7]	66.3	[57.3, 74.2]	100.0
Other, non-Hispanic (n=246)	31.5	[25.0, 38.8]	68.5	[61.2, 75.0]	100.0
Pearson: Uncorrected chi2(3) =	22.4631				
Design-based F(2.97, 7448.57) =	4.3236	Pr =	0.005		
FPL category					
0-35% (n=957)	40.5	[36.7, 44.3]	59.5	[55.7, 63.3]	100.0
36-99% (n=942)	34.8	[31.5, 38.3]	65.2	[61.7, 68.5]	100.0
100%+ (n=687)	35.5	[31.5, 39.7]	64.5	[60.3, 68.5]	100.0
Pearson: Uncorrected chi2(2) =	7.8655				
Design-based F(1.90, 4883.70) =	3.2676	Pr =	0.041		
Region					
UP/NW/NE (n=517)	33.3	[28.9, 38.0]	66.7	[62.0, 71.1]	100.0
W/E Central/E (n=765)	40.6	[36.6, 44.7]	59.4	[55.3, 63.4]	100.0
S Central/SW/SE (n=520)	43.3	[38.4, 48.4]	56.7	[51.6, 61.6]	100.0
Detroit Metro (n=784)	35.0	[31.0, 39.3]	65.0	[60.7, 69.0]	100.0
Pearson: Uncorrected chi2(3) =	14.6433				
Design-based F(2.62, 6753.61) =	3.8672	Pr =	0.012		
Chronic condition (2018 survey or DW)					
Yes (n=1,634)	45.3	[42.2, 48.4]	54.7	[51.6, 57.8]	100.0
No (n=952)	27.2	[23.7, 31.0]	72.8	[69.0, 76.3]	100.0
Pearson: Uncorrected chi2(1) =	86.4993				
Design-based F(1.00, 2574.00) =	49.9088	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=299)	62.0	[55.0, 68.6]	38.0	[31.4, 45.0]	100.0
Mental health condition (n=935)	44.3	[40.3, 48.3]	55.7	[51.7, 59.7]	100.0
Substance use disorder (n=99)	56.1	[44.5, 67.1]	43.9	[32.9, 55.5]	100.0
None (n=1,253)	26.6	[23.6, 29.9]	73.4	[70.1, 76.4]	100.0
Pearson: Uncorrected chi2(3) =	179.3596				
Design-based F(2.98, 7675.94) =	38.8258	Pr =	0.000		
Total (n=2,586)	38.0	[35.7, 40.5]	62.0	[59.5, 64.3]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.1 Q: Thinking about the most recent time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room?

Universe: Respondents who had an ER visit in the past 12 months (N=944)

	Tried to contact PCP before going to ER				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=380)	17.2	[13.2, 22.2]	82.8	[77.8, 86.8]	100.0
36-49 (n=268)	24.3	[18.5, 31.2]	75.7	[68.8, 81.5]	100.0
50-64 (n=287)	26.8	[21.4, 33.0]	73.2	[67.0, 78.6]	100.0
Pearson: Uncorrected chi2(2) =	9.8186				
Design-based F(1.94, 1791.11) =	3.6521	Pr =	0.027		
Gender					
Female (n=560)	24.7	[20.6, 29.3]	75.3	[70.7, 79.4]	100.0
Male (n=375)	17.9	[13.8, 22.9]	82.1	[77.1, 86.2]	100.0
Pearson: Uncorrected chi2(1) =	6.4675				
Design-based F(1.00, 923.00) =	4.3331	Pr =	0.038		
Race/ethnicity					
White, non-Hispanic (n=592)	22.3	[18.6, 26.4]	77.7	[73.6, 81.4]	100.0
Black, non-Hispanic (n=184)	17.8	[11.7, 26.1]	82.2	[73.9, 88.3]	100.0
Hispanic (n=56)	19.7	[11.0, 32.5]	80.3	[67.5, 89.0]	100.0
Other, non-Hispanic (n=80)	22.1	[14.0, 33.3]	77.9	[66.7, 86.0]	100.0
Pearson: Uncorrected chi2(3) =	2.1665				
Design-based F(2.81, 2525.96) =	0.4952	Pr =	0.673		
FPL category					
0-35% (n=376)	20.7	[16.4, 25.8]	79.3	[74.2, 83.6]	100.0
36-99% (n=321)	22.0	[17.5, 27.2]	78.0	[72.8, 82.5]	100.0
100%+ (n=238)	22.1	[16.8, 28.6]	77.9	[71.4, 83.2]	100.0
Pearson: Uncorrected chi2(2) =	0.2370				
Design-based F(1.92, 1767.64) =	0.1119	Pr =	0.886		
Region					
UP/NW/NE (n=170)	25.4	[19.0, 33.2]	74.6	[66.8, 81.0]	100.0
W/E Central/E (n=285)	22.0	[17.2, 27.7]	78.0	[72.3, 82.8]	100.0
S Central/SW/SE (n=211)	25.5	[19.2, 33.2]	74.5	[66.8, 80.8]	100.0
Detroit Metro (n=269)	17.6	[12.9, 23.6]	82.4	[76.4, 87.1]	100.0
Pearson: Uncorrected chi2(3) =	6.2249				
Design-based F(2.62, 2416.85) =	1.7476	Pr =	0.163		
Chronic condition (2018 survey or DW)					
Yes (n=692)	23.0	[19.5, 26.9]	77.0	[73.1, 80.5]	100.0
No (n=243)	17.0	[11.7, 24.0]	83.0	[76.0, 88.3]	100.0
Pearson: Uncorrected chi2(1) =	4.1560				
Design-based F(1.00, 923.00) =	2.4148	Pr =	0.121		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=182)	23.1	[16.7, 31.0]	76.9	[69.0, 83.3]	100.0
Mental health condition (n=381)	24.4	[19.6, 29.9]	75.6	[70.1, 80.4]	100.0
Substance use disorder (n=47)	8.4	[3.2, 20.1]	91.6	[79.9, 96.8]	100.0
None (n=325)	18.8	[14.1, 24.8]	81.2	[75.2, 85.9]	100.0
Pearson: Uncorrected chi2(3) =	8.8152				
Design-based F(2.94, 2713.91) =	2.1886	Pr =	0.089		
Total (n=935)	21.3	[18.3, 24.6]	78.7	[75.4, 81.7]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.1.1 Q: Did you talk to someone?

Universe: Respondents who had an ER visit in the past 12 months and tried to contact their usual provider's office before going to the emergency room (N=222)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=71)	82.4	[68.8, 90.8]	17.6	[9.2, 31.2]	100.0
36-49 (n=66)	79.9	[65.9, 89.1]	20.1	[10.9, 34.1]	100.0
50-64 (n=85)	82.9	[72.4, 89.9]	17.1	[10.1, 27.6]	100.0
Pearson: Uncorrected chi2(2) =	0.2305				
Design-based F(1.90, 399.64) =	0.0831	Pr =	0.912		
Gender					
Female (n=145)	81.4	[72.6, 87.8]	18.6	[12.2, 27.4]	100.0
Male (n=77)	82.3	[69.2, 90.6]	17.7	[9.4, 30.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0301				
Design-based F(1.00, 210.00) =	0.0184	Pr =	0.892		
Race/ethnicity					
White, non-Hispanic (n=146)	83.3	[75.9, 88.8]	16.7	[11.2, 24.1]	100.0
Black, non-Hispanic (n=31)	78.8	[55.9, 91.6]	21.2	[8.4, 44.1]	100.0
Hispanic (n=15)	73.3	[44.2, 90.5]	26.7	[9.5, 55.8]	100.0
Other, non-Hispanic (n=21)	89.7	[71.4, 96.8]	10.3	[3.2, 28.6]	100.0
Pearson: Uncorrected chi2(3) =	2.0868				
Design-based F(2.57, 517.27) =	0.5319	Pr =	0.633		
FPL category					
0-35% (n=89)	80.3	[68.8, 88.2]	19.7	[11.8, 31.2]	100.0
36-99% (n=77)	87.6	[78.2, 93.3]	12.4	[6.7, 21.8]	100.0
100%+ (n=56)	78.2	[63.5, 88.1]	21.8	[11.9, 36.5]	100.0
Pearson: Uncorrected chi2(2) =	1.8275				
Design-based F(1.90, 399.75) =	0.8764	Pr =	0.413		
Region					
UP/NW/NE (n=43)	75.1	[58.1, 86.8]	24.9	[13.2, 41.9]	100.0
W/E Central/E (n=70)	80.8	[69.8, 88.5]	19.2	[11.5, 30.2]	100.0
S Central/SW/SE (n=52)	87.9	[70.8, 95.6]	12.1	[4.4, 29.2]	100.0
Detroit Metro (n=57)	79.6	[63.5, 89.7]	20.4	[10.3, 36.5]	100.0
Pearson: Uncorrected chi2(3) =	2.3828				
Design-based F(2.60, 545.64) =	0.5879	Pr =	0.599		
Chronic condition (2018 survey or DW)					
Yes (n=177)	80.9	[72.8, 87.1]	19.1	[12.9, 27.2]	100.0
No (n=45)	84.4	[67.6, 93.4]	15.6	[6.6, 32.4]	100.0
Pearson: Uncorrected chi2(1) =	0.3247				
Design-based F(1.00, 210.00) =	0.2072	Pr =	0.649		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=45)	86.2	[74.5, 93.0]	13.8	[7.0, 25.5]	100.0
Mental health condition (n=101)	75.3	[62.9, 84.6]	24.7	[15.4, 37.1]	100.0
Substance use disorder (n=5)	85.6	[38.0, 98.3]	14.4	[1.7, 62.0]	100.0
None (n=71)	87.5	[74.4, 94.4]	12.5	[5.6, 25.6]	100.0
Pearson: Uncorrected chi2(3) =	4.9962				
Design-based F(2.79, 585.98) =	1.4707	Pr =	0.224		
Total (n=222)	81.8	[74.7, 87.2]	18.2	[12.8, 25.3]	100.0

5.8.1.1.1   Q: Why did you end up going to the ER?

Universe: Respondents who had an ER visit in the past 12 months and talked to someone at their usual provider's office before going to the emergency room (N=180)

Why did you end up going to the ER?	Weighted Proportion	95% CI
Told to go to the ER (n=113)	61.6	[52.5, 70.1]
Symptoms didn't improve or got worse (n=45)	26.3	[19.0, 35.3]
Difficulty getting appointment (n=23)	10.9	[7.0, 16.6]
No response from provider/provider's office not open (n=9)	4.8	[2.3, 9.9]
Transportation/logistics (n=4)	4.3	[1.1, 15.9]
Other (n=6)	3.7	[1.5, 8.8]
Provider's advice wasn't helpful (n=7)	2.8	[1.0, 7.4]

Note: Respondents were able to provide multiple responses.

5.8.2 Q: Which of these were true about that most recent ER visit?

5.8.2.1 Q: You arrived by ambulance or other emergency vehicle.

Universe: Respondents who had an ER visit in the past 12 months (N=944)

| | Arrived by ambulance | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=382)	15.7	[11.3, 21.3]	84.3	[78.7, 88.7]	100.0
36-49 (n=269)	15.3	[11.0, 21.0]	84.7	[79.0, 89.0]	100.0
50-64 (n=290)	25.1	[19.0, 32.5]	74.9	[67.5, 81.0]	100.0
Pearson: Uncorrected chi2(2) =	10.2971				
Design-based F(1.94, 1799.25) =	3.2811	Pr =	0.039		
Gender					
Female (n=563)	14.1	[10.6, 18.4]	85.9	[81.6, 89.4]	100.0
Male (n=378)	21.2	[16.5, 26.9]	78.8	[73.1, 83.5]	100.0
Pearson: Uncorrected chi2(1) =	8.1594				
Design-based F(1.00, 929.00) =	4.7893	Pr =	0.029		
Race/ethnicity					
White, non-Hispanic (n=596)	14.6	[11.3, 18.7]	85.4	[81.3, 88.7]	100.0
Black, non-Hispanic (n=185)	22.1	[15.3, 30.7]	77.9	[69.3, 84.7]	100.0
Hispanic (n=58)	19.8	[10.0, 35.3]	80.2	[64.7, 90.0]	100.0
Other, non-Hispanic (n=79)	17.5	[9.4, 30.3]	82.5	[69.7, 90.6]	100.0
Pearson: Uncorrected chi2(3) =	6.8544				
Design-based F(2.96, 2683.64) =	1.3065	Pr =	0.271		
FPL category					
0-35% (n=380)	21.5	[16.8, 27.1]	78.5	[72.9, 83.2]	100.0
36-99% (n=322)	12.2	[8.8, 16.6]	87.8	[83.4, 91.2]	100.0
100%+ (n=239)	12.8	[8.7, 18.3]	87.2	[81.7, 91.3]	100.0
Pearson: Uncorrected chi2(2) =	13.0104				
Design-based F(1.92, 1786.44) =	6.0743	Pr =	0.003		
Region					
UP/NW/NE (n=170)	14.6	[9.7, 21.4]	85.4	[78.6, 90.3]	100.0
W/E Central/E (n=288)	15.8	[11.5, 21.2]	84.2	[78.8, 88.5]	100.0
S Central/SW/SE (n=214)	20.7	[14.5, 28.7]	79.3	[71.3, 85.5]	100.0
Detroit Metro (n=269)	18.0	[12.8, 24.7]	82.0	[75.3, 87.2]	100.0
Pearson: Uncorrected chi2(3) =	2.5326				
Design-based F(2.53, 2348.30) =	0.6231	Pr =	0.573		
Chronic condition (2018 survey or DW)					
Yes (n=698)	19.5	[15.9, 23.8]	80.5	[76.2, 84.1]	100.0
No (n=243)	13.2	[8.5, 19.9]	86.8	[80.1, 91.5]	100.0
Pearson: Uncorrected chi2(1) =	5.3317				
Design-based F(1.00, 929.00) =	2.8128	Pr =	0.094		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=182)	30.0	[22.1, 39.3]	70.0	[60.7, 77.9]	100.0
Mental health condition (n=384)	15.5	[11.3, 21.0]	84.5	[79.0, 88.7]	100.0
Substance use disorder (n=48)	22.0	[11.5, 38.2]	78.0	[61.8, 88.5]	100.0
None (n=327)	12.3	[8.0, 18.5]	87.7	[81.5, 92.0]	100.0
Pearson: Uncorrected chi2(3) =	28.4463				
Design-based F(2.95, 2739.50) =	5.4310	Pr =	0.001		
Total (n=941)	17.7	[14.7, 21.2]	82.3	[78.8, 85.3]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.2.2 Q: The problem was too serious for a doctor's office or clinic.

Universe: Respondents who had an ER visit in the past 12 months (N=944)

	Yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=381)	53.1	[46.9, 59.2]	44.9	[38.8, 51.1]	2.0	[0.8, 4.7]	100.0
36-49 (n=270)	57.6	[50.1, 64.8]	39.0	[32.0, 46.6]	3.3	[1.6, 6.7]	100.0
50-64 (n=288)	73.7	[67.3, 79.2]	23.7	[18.5, 29.9]	2.6	[1.2, 5.8]	100.0
Pearson: Uncorrected chi2(4) =	28.6621						
Design-based F(3.85, 3566.07) =	5.3818	Pr =	0.000				
Gender							
Female (n=562)	62.5	[57.5, 67.1]	35.4	[30.8, 40.2]	2.2	[1.1, 4.2]	100.0
Male (n=377)	55.5	[49.2, 61.6]	41.7	[35.6, 48.0]	2.8	[1.4, 5.4]	100.0
Pearson: Uncorrected chi2(2) =	4.7404						
Design-based F(1.99, 1843.18) =	1.6296	Pr =	0.196				
Race/ethnicity							
White, non-Hispanic (n=596)	60.5	[55.5, 65.3]	37.1	[32.4, 42.1]	2.3	[1.3, 4.2]	100.0
Black, non-Hispanic (n=183)	53.5	[44.6, 62.1]	44.7	[36.1, 53.6]	1.9	[0.6, 5.8]	100.0
Hispanic (n=58)	69.8	[54.3, 81.8]	28.6	[16.9, 44.1]	1.7	[0.2, 11.0]	100.0
Other, non-Hispanic (n=79)	48.1	[35.5, 61.0]	45.9	[33.3, 59.0]	5.9	[1.8, 17.7]	100.0
Pearson: Uncorrected chi2(6) =	14.3559						
Design-based F(5.79, 5236.07) =	1.5670	Pr =	0.155				
FPL category							
0-35% (n=377)	60.4	[54.3, 66.2]	37.1	[31.3, 43.2]	2.6	[1.3, 4.8]	100.0
36-99% (n=323)	55.5	[49.4, 61.5]	41.7	[35.9, 47.8]	2.7	[1.1, 6.9]	100.0
100%+ (n=239)	58.8	[51.6, 65.7]	39.2	[32.4, 46.4]	2.0	[0.8, 4.7]	100.0
Pearson: Uncorrected chi2(4) =	1.8176						
Design-based F(3.70, 3429.68) =	0.3968	Pr =	0.796				
Region							
UP/NW/NE (n=170)	59.2	[50.6, 67.3]	40.3	[32.3, 49.0]	0.4	[0.1, 3.0]	100.0
W/E Central/E (n=288)	53.9	[47.2, 60.4]	42.0	[35.6, 48.6]	4.2	[2.1, 8.1]	100.0
S Central/SW/SE (n=213)	58.7	[50.7, 66.3]	39.4	[31.9, 47.4]	1.9	[0.6, 5.6]	100.0
Detroit Metro (n=268)	62.6	[55.2, 69.5]	35.4	[28.5, 42.8]	2.0	[0.9, 4.7]	100.0
Pearson: Uncorrected chi2(6) =	8.8869						
Design-based F(5.02, 4654.74) =	1.2786	Pr =	0.270				
Chronic condition (2018 survey or DW)							
Yes (n=696)	63.1	[58.5, 67.5]	34.3	[30.0, 38.9]	2.6	[1.6, 4.4]	100.0
No (n=243)	48.7	[40.8, 56.7]	49.1	[41.2, 57.0]	2.2	[0.8, 6.1]	100.0
Pearson: Uncorrected chi2(2) =	17.8439						
Design-based F(2.00, 1852.37) =	5.3271	Pr =	0.005				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=183)	66.2	[57.2, 74.2]	30.9	[23.2, 39.9]	2.8	[1.2, 6.3]	100.0
Mental health condition (n=383)	60.0	[53.8, 65.8]	36.5	[30.8, 42.6]	3.6	[1.9, 6.8]	100.0
Substance use disorder (n=47)	52.7	[35.7, 69.1]	47.3	[30.9, 64.3]	0.0		100.0
None (n=326)	54.5	[47.5, 61.4]	43.9	[37.1, 51.0]	1.5	[0.5, 4.7]	100.0
Pearson: Uncorrected chi2(6) =	14.4124						
Design-based F(5.85, 5426.47) =	1.5946	Pr =	0.146				
Total (n=939)	58.9	[54.9, 62.8]	38.6	[34.7, 42.6]	2.5	[1.6, 4.0]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.2.3 Q: Your doctor's office or clinic was not open.

Universe: Respondents who had an ER visit in the past 12 months (N=944)

	Yes		No		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age							
19-35 (n=381)	52.2	[46.0, 58.4]	43.9	[37.8, 50.3]	3.8	[2.1, 6.9]	100.0
36-49 (n=270)	57.1	[49.7, 64.2]	36.4	[29.8, 43.5]	6.5	[3.3, 12.5]	100.0
50-64 (n=286)	52.3	[45.2, 59.3]	43.0	[36.1, 50.1]	4.7	[2.6, 8.6]	100.0
Pearson: Uncorrected chi2(4) =	5.7617						
Design-based F(3.82, 3534.65) =	0.9724	Pr =	0.419				
Gender							
Female (n=561)	59.7	[54.5, 64.6]	35.1	[30.3, 40.2]	5.2	[3.3, 8.1]	100.0
Male (n=376)	47.6	[41.5, 53.9]	48.1	[41.9, 54.3]	4.3	[2.3, 8.0]	100.0
Pearson: Uncorrected chi2(2) =	16.1858						
Design-based F(1.99, 1840.76) =	4.7715	Pr =	0.009				
Race/ethnicity							
White, non-Hispanic (n=594)	53.6	[48.5, 58.6]	42.6	[37.6, 47.8]	3.8	[2.4, 5.9]	100.0
Black, non-Hispanic (n=183)	53.2	[44.3, 61.9]	41.1	[32.6, 50.1]	5.7	[2.7, 11.6]	100.0
Hispanic (n=58)	61.4	[46.0, 74.8]	34.3	[21.7, 49.6]	4.4	[0.9, 18.6]	100.0
Other, non-Hispanic (n=80)	54.8	[41.6, 67.3]	36.3	[25.1, 49.2]	8.9	[2.9, 24.6]	100.0
Pearson: Uncorrected chi2(6) =	6.8829						
Design-based F(5.67, 5121.90) =	0.6464	Pr =	0.684				
FPL category							
0-35% (n=377)	51.3	[45.2, 57.4]	43.1	[37.1, 49.3]	5.6	[3.4, 9.2]	100.0
36-99% (n=322)	59.7	[53.6, 65.5]	36.9	[31.3, 43.0]	3.4	[1.8, 6.2]	100.0
100%+ (n=238)	52.5	[45.2, 59.7]	43.6	[36.5, 50.9]	3.9	[1.7, 8.6]	100.0
Pearson: Uncorrected chi2(4) =	5.8044						
Design-based F(3.83, 3542.81) =	1.2644	Pr =	0.282				
Region							
UP/NW/NE (n=170)	55.2	[46.7, 63.3]	40.0	[32.1, 48.4]	4.9	[2.4, 9.6]	100.0
W/E Central/E (n=288)	58.1	[51.5, 64.5]	39.2	[32.9, 45.9]	2.6	[1.1, 5.9]	100.0
S Central/SW/SE (n=212)	49.5	[41.6, 57.4]	45.8	[38.0, 53.8]	4.7	[2.2, 10.1]	100.0
Detroit Metro (n=267)	52.3	[44.8, 59.6]	41.5	[34.3, 49.1]	6.3	[3.5, 10.9]	100.0
Pearson: Uncorrected chi2(6) =	7.6539						
Design-based F(5.17, 4784.59) =	1.0093	Pr =	0.412				
Chronic condition (2018 survey or DW)							
Yes (n=695)	56.1	[51.3, 60.7]	40.0	[35.5, 44.8]	3.9	[2.4, 6.2]	100.0
No (n=242)	47.5	[39.7, 55.4]	45.7	[37.8, 53.8]	6.8	[3.6, 12.6]	100.0
Pearson: Uncorrected chi2(2) =	7.6095						
Design-based F(2.00, 1846.65) =	2.1422	Pr =	0.118				
Mental health condition and/or substance use disorder (2018 survey or DW)							
Mental health condition and substance use disorder (n=183)	46.8	[37.9, 55.9]	49.6	[40.5, 58.7]	3.6	[1.5, 8.3]	100.0
Mental health condition (n=382)	54.8	[48.4, 61.0]	42.2	[36.0, 48.6]	3.0	[1.4, 6.2]	100.0
Substance use disorder (n=47)	40.6	[25.6, 57.5]	46.7	[30.4, 63.8]	12.7	[4.4, 31.4]	100.0
None (n=325)	58.3	[51.3, 64.9]	35.7	[29.3, 42.6]	6.1	[3.4, 10.7]	100.0
Pearson: Uncorrected chi2(6) =	22.0127						
Design-based F(5.93, 5486.95) =	2.2266	Pr =	0.038				
Total (n=937)	53.6	[49.5, 57.6]	41.7	[37.7, 45.8]	4.8	[3.2, 6.9]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.2.4 Q: You needed to get care at a time that would not make you miss work or school.

Universe: Respondents who had an ER visit in the past 12 months (N=944)

	Needed to go at a time I wouldn't miss work/school				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=378)	52.0	[45.8, 58.2]	48.0	[41.8, 54.2]	100.0
36-49 (n=265)	42.7	[35.5, 50.1]	57.3	[49.9, 64.5]	100.0
50-64 (n=281)	27.7	[21.9, 34.4]	72.3	[65.6, 78.1]	100.0
Pearson: Uncorrected chi2(2) =	34.3190				
Design-based F(1.94, 1769.95) =	12.3428	Pr =	0.000		
Gender					
Female (n=552)	40.9	[36.0, 46.0]	59.1	[54.0, 64.0]	100.0
Male (n=372)	47.3	[41.1, 53.5]	52.7	[46.5, 58.9]	100.0
Pearson: Uncorrected chi2(1) =	3.7753				
Design-based F(1.00, 912.00) =	2.4365	Pr =	0.119		
Race/ethnicity					
White, non-Hispanic (n=584)	39.1	[34.2, 44.1]	60.9	[55.9, 65.8]	100.0
Black, non-Hispanic (n=181)	57.7	[48.8, 66.1]	42.3	[33.9, 51.2]	100.0
Hispanic (n=58)	31.9	[19.9, 46.9]	68.1	[53.1, 80.1]	100.0
Other, non-Hispanic (n=79)	41.9	[29.5, 55.4]	58.1	[44.6, 70.5]	100.0
Pearson: Uncorrected chi2(3) =	27.0347				
Design-based F(2.95, 2622.67) =	5.6029	Pr =	0.001		
FPL category					
0-35% (n=374)	40.9	[35.0, 47.1]	59.1	[52.9, 65.0]	100.0
36-99% (n=318)	47.8	[41.7, 53.9]	52.2	[46.1, 58.3]	100.0
100%+ (n=232)	49.9	[42.7, 57.2]	50.1	[42.8, 57.3]	100.0
Pearson: Uncorrected chi2(2) =	5.6664				
Design-based F(1.90, 1730.67) =	2.4635	Pr =	0.088		
Region					
UP/NW/NE (n=167)	40.7	[32.6, 49.3]	59.3	[50.7, 67.4]	100.0
W/E Central/E (n=283)	40.1	[33.8, 46.8]	59.9	[53.2, 66.2]	100.0
S Central/SW/SE (n=210)	36.5	[29.4, 44.2]	63.5	[55.8, 70.6]	100.0
Detroit Metro (n=264)	51.9	[44.5, 59.3]	48.1	[40.7, 55.5]	100.0
Pearson: Uncorrected chi2(3) =	16.2883				
Design-based F(2.61, 2381.89) =	4.4348	Pr =	0.006		
Chronic condition (2018 survey or DW)					
Yes (n=685)	41.5	[36.9, 46.2]	58.5	[53.8, 63.1]	100.0
No (n=239)	50.7	[42.6, 58.6]	49.3	[41.4, 57.4]	100.0
Pearson: Uncorrected chi2(1) =	6.4859				
Design-based F(1.00, 912.00) =	3.7627	Pr =	0.053		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=180)	47.1	[37.9, 56.4]	52.9	[43.6, 62.1]	100.0
Mental health condition (n=376)	37.0	[30.9, 43.4]	63.0	[56.6, 69.1]	100.0
Substance use disorder (n=46)	58.6	[41.1, 74.1]	41.4	[25.9, 58.9]	100.0
None (n=322)	48.0	[41.1, 54.9]	52.0	[45.1, 58.9]	100.0
Pearson: Uncorrected chi2(3) =	14.4281				
Design-based F(3.00, 2733.96) =	2.9257	Pr =	0.033		
Total (n=924)	44.1	[40.1, 48.2]	55.9	[51.8, 59.9]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.2.5 Q: You went to the ER because it's your closest place to receive care.

Universe: Respondents who had an ER visit in the past 12 months (N=944)

| | ER is closest place to receive care | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=378)	74.8	[69.3, 79.6]	25.2	[20.4, 30.7]	100.0
36-49 (n=269)	75.8	[69.2, 81.4]	24.2	[18.6, 30.8]	100.0
50-64 (n=285)	78.3	[72.3, 83.3]	21.7	[16.7, 27.7]	100.0
Pearson: Uncorrected chi2(2) =	0.9669				
Design-based F(1.95, 1794.58) =	0.3780	Pr =	0.680		
Gender					
Female (n=560)	70.0	[65.1, 74.5]	30.0	[25.5, 34.9]	100.0
Male (n=372)	81.6	[76.6, 85.7]	18.4	[14.3, 23.4]	100.0
Pearson: Uncorrected chi2(1) =	16.9581				
Design-based F(1.00, 920.00) =	11.2775	Pr =	0.001		
Race/ethnicity					
White, non-Hispanic (n=590)	72.7	[68.1, 76.9]	27.3	[23.1, 31.9]	100.0
Black, non-Hispanic (n=183)	80.5	[72.7, 86.5]	19.5	[13.5, 27.3]	100.0
Hispanic (n=57)	70.9	[55.5, 82.7]	29.1	[17.3, 44.5]	100.0
Other, non-Hispanic (n=79)	83.1	[70.5, 91.0]	16.9	[9.0, 29.5]	100.0
Pearson: Uncorrected chi2(3) =	9.0464				
Design-based F(2.96, 2657.46) =	1.8514	Pr =	0.136		
FPL category					
0-35% (n=374)	78.0	[72.7, 82.5]	22.0	[17.5, 27.3]	100.0
36-99% (n=321)	72.1	[66.4, 77.2]	27.9	[22.8, 33.6]	100.0
100%+ (n=237)	73.9	[67.3, 79.5]	26.1	[20.5, 32.7]	100.0
Pearson: Uncorrected chi2(2) =	3.4828				
Design-based F(1.89, 1739.86) =	1.5909	Pr =	0.205		
Region					
UP/NW/NE (n=167)	77.3	[69.6, 83.6]	22.7	[16.4, 30.4]	100.0
W/E Central/E (n=286)	72.2	[65.8, 77.8]	27.8	[22.2, 34.2]	100.0
S Central/SW/SE (n=211)	71.1	[63.6, 77.5]	28.9	[22.5, 36.4]	100.0
Detroit Metro (n=268)	80.8	[74.6, 85.7]	19.2	[14.3, 25.4]	100.0
Pearson: Uncorrected chi2(3) =	9.6908				
Design-based F(2.61, 2400.72) =	2.6998	Pr =	0.052		
Chronic condition (2018 survey or DW)					
Yes (n=690)	75.9	[71.8, 79.5]	24.1	[20.5, 28.2]	100.0
No (n=242)	75.8	[68.5, 81.8]	24.2	[18.2, 31.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0005				
Design-based F(1.00, 920.00) =	0.0003	Pr =	0.986		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=182)	84.3	[77.7, 89.2]	15.7	[10.8, 22.3]	100.0
Mental health condition (n=379)	68.0	[61.9, 73.6]	32.0	[26.4, 38.1]	100.0
Substance use disorder (n=47)	84.8	[66.5, 94.0]	15.2	[6.0, 33.5]	100.0
None (n=324)	78.1	[72.2, 83.0]	21.9	[17.0, 27.8]	100.0
Pearson: Uncorrected chi2(3) =	22.7561				
Design-based F(2.92, 2688.27) =	4.9562	Pr =	0.002		
Total (n=932)	75.8	[72.4, 79.0]	24.2	[21.0, 27.6]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.2.6 Q: You went to the ER because you get most of your care at the emergency room.

Universe: Respondents who had an ER visit in the past 12 months (N=944)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
Age					
19-35 (n=379)	38.1	[32.2, 44.4]	61.9	[55.6, 67.8]	100.0
36-49 (n=270)	30.8	[24.3, 38.1]	69.2	[61.9, 75.7]	100.0
50-64 (n=284)	31.3	[25.0, 38.3]	68.7	[61.7, 75.0]	100.0
Pearson: Uncorrected chi2(2) =	5.2469				
Design-based F(1.96, 1802.28) =	1.7817	Pr =	0.169		
Gender					
Female (n=560)	25.5	[21.2, 30.4]	74.5	[69.6, 78.8]	100.0
Male (n=373)	43.6	[37.4, 49.9]	56.4	[50.1, 62.6]	100.0
Pearson: Uncorrected chi2(1) =	33.4529				
Design-based F(1.00, 921.00) =	20.8372	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=591)	28.5	[23.9, 33.6]	71.5	[66.4, 76.1]	100.0
Black, non-Hispanic (n=182)	47.4	[38.6, 56.3]	52.6	[43.7, 61.4]	100.0
Hispanic (n=57)	37.5	[24.0, 53.4]	62.5	[46.6, 76.0]	100.0
Other, non-Hispanic (n=80)	38.2	[26.5, 51.3]	61.8	[48.7, 73.5]	100.0
Pearson: Uncorrected chi2(3) =	26.4619				
Design-based F(2.96, 2658.40) =	5.3503	Pr =	0.001		
FPL category					
0-35% (n=373)	37.6	[31.9, 43.8]	62.4	[56.2, 68.1]	100.0
36-99% (n=322)	31.5	[26.1, 37.4]	68.5	[62.6, 73.9]	100.0
100%+ (n=238)	28.9	[22.6, 36.2]	71.1	[63.8, 77.4]	100.0
Pearson: Uncorrected chi2(2) =	5.4863				
Design-based F(1.92, 1769.90) =	2.3379	Pr =	0.099		
Region					
UP/NW/NE (n=170)	28.5	[21.3, 37.0]	71.5	[63.0, 78.7]	100.0
W/E Central/E (n=286)	31.5	[25.5, 38.2]	68.5	[61.8, 74.5]	100.0
S Central/SW/SE (n=210)	27.5	[20.9, 35.2]	72.5	[64.8, 79.1]	100.0
Detroit Metro (n=267)	41.9	[34.7, 49.4]	58.1	[50.6, 65.3]	100.0
Pearson: Uncorrected chi2(3) =	15.9649				
Design-based F(2.64, 2434.07) =	4.1530	Pr =	0.009		
Chronic condition (2018 survey or DW)					
Yes (n=691)	31.4	[27.2, 35.9]	68.6	[64.1, 72.8]	100.0
No (n=242)	42.4	[34.6, 50.6]	57.6	[49.4, 65.4]	100.0
Pearson: Uncorrected chi2(1) =	10.2982				
Design-based F(1.00, 921.00) =	5.8246	Pr =	0.016		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=183)	44.7	[35.7, 54.0]	55.3	[46.0, 64.3]	100.0
Mental health condition (n=379)	24.8	[19.5, 30.9]	75.2	[69.1, 80.5]	100.0
Substance use disorder (n=46)	48.4	[31.7, 65.4]	51.6	[34.6, 68.3]	100.0
None (n=325)	37.2	[30.7, 44.2]	62.8	[55.8, 69.3]	100.0
Pearson: Uncorrected chi2(3) =	29.4105				
Design-based F(3.00, 2762.06) =	5.8032	Pr =	0.001		
Total (n=933)	34.6	[30.8, 38.6]	65.4	[61.4, 69.2]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.2.7 Q: Any other reason you decided to go to the ER?

Universe: Respondents who had an ER visit in the past 12 months (N=944)

	Weighted Proportion	95% CI
Symptoms didn't improve or got worse (n=169)	17.9	[15.0, 21.2]
Other (n=66)	7.2	[5.3, 9.8]
Transportation/logistics (n=28)	3.4	[2.2, 5.2]
Told to go to the ER (n=28)	2.3	[1.5, 3.6]
No response from provider/provider's office not open (n=14)	1.0	[0.5, 1.7]
Difficulty getting appointment (n=8)	0.9	[0.3, 2.2]
Not applicable-don't have a usual provider right now (n=8)	0.7	[0.3, 1.5]
Provider's advice wasn't helpful (n=1)	0.1	[0.0, 0.5]

Note: Respondents were able to provide multiple responses.

5.8.3 Q: In the last 12 months was there a time when you needed help or advice when your usual clinic or doctor's office was closed?

Universe: Respondents who did not have an ER visit in the past 12 months (N=1,642)

| | Needed help when usual clinic/doctor's office was closed in last 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=646)	13.5	[10.8, 16.9]	86.5	[83.1, 89.2]	100.0
36-49 (n=418)	17.3	[13.3, 22.2]	82.7	[77.8, 86.7]	100.0
50-64 (n=572)	21.5	[17.6, 26.0]	78.5	[74.0, 82.4]	100.0
Pearson: Uncorrected chi2(2) =	12.6447				
Design-based F(1.97, 3194.74) =	4.4797	Pr =	0.012		
Gender					
Female (n=970)	21.5	[18.4, 24.9]	78.5	[75.1, 81.6]	100.0
Male (n=666)	11.4	[8.9, 14.6]	88.6	[85.4, 91.1]	100.0
Pearson: Uncorrected chi2(1) =	30.0177				
Design-based F(1.00, 1624.00) =	19.1430	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,084)	17.8	[15.1, 20.8]	82.2	[79.2, 84.9]	100.0
Black, non-Hispanic (n=234)	16.0	[10.9, 22.8]	84.0	[77.2, 89.1]	100.0
Hispanic (n=110)	9.7	[5.1, 17.7]	90.3	[82.3, 94.9]	100.0
Other, non-Hispanic (n=166)	14.6	[9.7, 21.2]	85.4	[78.8, 90.3]	100.0
Pearson: Uncorrected chi2(3) =	5.9442				
Design-based F(2.92, 4615.88) =	1.2404	Pr =	0.293		
FPL category					
0-35% (n=575)	15.3	[12.1, 19.1]	84.7	[80.9, 87.9]	100.0
36-99% (n=614)	19.2	[15.9, 22.9]	80.8	[77.1, 84.1]	100.0
100%+ (n=447)	15.3	[12.1, 19.2]	84.7	[80.8, 87.9]	100.0
Pearson: Uncorrected chi2(2) =	3.6769				
Design-based F(1.86, 3018.37) =	1.5698	Pr =	0.210		
Region					
UP/NW/NE (n=345)	10.1	[7.3, 14.0]	89.9	[86.0, 92.7]	100.0
W/E Central/E (n=475)	19.6	[16.0, 23.8]	80.4	[76.2, 84.0]	100.0
S Central/SW/SE (n=304)	16.4	[12.2, 21.5]	83.6	[78.5, 87.8]	100.0
Detroit Metro (n=512)	15.9	[12.5, 19.9]	84.1	[80.1, 87.5]	100.0
Pearson: Uncorrected chi2(3) =	7.9010				
Design-based F(2.60, 4226.58) =	2.3812	Pr =	0.077		
Chronic condition (2018 survey or DW)					
Yes (n=930)	20.6	[17.5, 24.1]	79.4	[75.9, 82.5]	100.0
No (n=706)	11.7	[9.2, 14.7]	88.3	[85.3, 90.8]	100.0
Pearson: Uncorrected chi2(1) =	23.7033				
Design-based F(1.00, 1624.00) =	16.1790	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=116)	21.8	[13.6, 33.0]	78.2	[67.0, 86.4]	100.0
Mental health condition (n=548)	21.0	[17.2, 25.4]	79.0	[74.6, 82.8]	100.0
Substance use disorder (n=51)	14.3	[6.7, 28.0]	85.7	[72.0, 93.3]	100.0
None (n=921)	13.5	[11.0, 16.4]	86.5	[83.6, 89.0]	100.0
Pearson: Uncorrected chi2(3) =	16.4852				
Design-based F(2.87, 4656.96) =	3.9124	Pr =	0.009		
Total (n=1,636)	16.4	[14.3, 18.7]	83.6	[81.3, 85.7]	100.0

Note: Total n is less than universe N due to item non-response.

5.8.3.1 Q: Thinking about the most recent time you needed health care help or advice when your usual doctor's office was closed, how did you handle this situation?

Universe: Respondents who did not have an ER visit in the past 12 months and needed help when their usual clinic or doctor's office was closed (N=285)

How situation was handled when usual clinic or doctor's office was closed	Weighted Proportion	95% CI
Went to urgent care/walk-in clinic (n=170)	57.4	[50.2, 64.3]
Got advice elsewhere (friends, internet, etc) (n=55)	20.7	[15.3, 27.3]
Problem got better without seeking care (n=23)	9.9	[6.1, 15.6]
Phone/email with primary care office (n=27)	9.0	[5.8, 13.7]
Got primary care appointment next day/soon (n=15)	5.1	[2.8, 9.1]
Did not seek care, problem did not improve (n=4)	1.3	[0.4, 3.7]
Went to ER (n=3)	1.0	[0.3, 3.1]

Note: Respondents were able to provide multiple responses.

5.9 Q: If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion.

Universe: All respondents (N=2,602)

	Strongly agree		Agree		Prefer to go straight to doctor Neutral		Disagree		Strongly disagree		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,033)	13.5	[11.2, 16.1]	68.9	[65.5, 72.1]	8.4	[6.6, 10.6]	8.7	[7.0, 10.8]	0.6	[0.3, 1.3]	100.0
36-49 (n=690)	17.1	[13.8, 21.0]	68.5	[64.0, 72.7]	4.3	[3.0, 6.1]	9.0	[6.6, 12.2]	1.1	[0.5, 2.4]	100.0
50-64 (n=860)	17.9	[14.9, 21.3]	68.9	[65.0, 72.6]	5.4	[4.0, 7.3]	7.0	[5.1, 9.5]	0.8	[0.4, 1.8]	100.0
Pearson: Uncorrected chi2(8) =	23.1404										
Design-based F(7.66, 19694.81) =	2.3248	Pr =	0.019								
Gender											
Female (n=1,537)	15.8	[13.6, 18.2]	69.7	[66.8, 72.4]	6.4	[5.1, 7.9]	7.7	[6.3, 9.4]	0.5	[0.2, 0.9]	100.0
Male (n=1,046)	15.1	[12.6, 17.9]	67.9	[64.4, 71.3]	6.9	[5.3, 9.0]	9.1	[7.2, 11.4]	1.0	[0.6, 1.9]	100.0
Pearson: Uncorrected chi2(4) =	4.8206										
Design-based F(3.87, 9944.18) =	0.8992	Pr =	0.461								
Race/ethnicity											
White, non-Hispanic (n=1,687)	14.7	[12.8, 16.9]	67.3	[64.4, 70.0]	7.2	[5.8, 8.9]	9.8	[8.2, 11.7]	1.0	[0.6, 1.6]	100.0
Black, non-Hispanic (n=419)	16.6	[12.6, 21.5]	74.8	[69.4, 79.6]	3.5	[2.1, 5.8]	4.7	[2.7, 8.0]	0.4	[0.1, 2.2]	100.0
Hispanic (n=167)	14.1	[9.4, 20.7]	67.1	[58.5, 74.7]	8.0	[4.2, 14.8]	8.9	[5.3, 14.6]	1.9	[0.6, 6.1]	100.0
Other, non-Hispanic (n=245)	18.7	[13.6, 25.1]	66.2	[58.6, 73.0]	8.8	[5.2, 14.7]	6.3	[3.5, 11.2]	0.0		100.0
Pearson: Uncorrected chi2(12) =	40.3872										
Design-based F(11.51, 28845.52) =	2.1405	Pr =	0.013								
FPL category											
0-35% (n=950)	15.2	[12.7, 18.1]	71.0	[67.5, 74.3]	5.6	[4.2, 7.6]	7.5	[5.7, 9.7]	0.7	[0.3, 1.4]	100.0
36-99% (n=940)	13.7	[11.5, 16.4]	68.9	[65.4, 72.1]	6.8	[5.2, 8.9]	9.4	[7.5, 11.9]	1.2	[0.6, 2.2]	100.0
100%+ (n=693)	18.4	[15.2, 22.2]	62.3	[58.0, 66.4]	9.2	[6.9, 12.2]	9.6	[7.4, 12.3]	0.5	[0.1, 2.2]	100.0
Pearson: Uncorrected chi2(8) =	20.5670										
Design-based F(7.67, 19730.96) =	2.0918	Pr =	0.035								
Region											
UP/NW/NE (n=513)	12.9	[9.9, 16.6]	66.9	[62.1, 71.4]	5.5	[3.7, 8.0]	12.9	[9.8, 16.8]	1.8	[0.8, 3.9]	100.0
W/E Central/E (n=766)	16.1	[13.4, 19.2]	65.1	[61.2, 68.9]	7.7	[5.7, 10.3]	9.8	[7.7, 12.5]	1.3	[0.6, 2.6]	100.0
S Central/SW/SE (n=518)	16.1	[12.7, 20.1]	67.3	[62.4, 71.8]	7.9	[5.6, 11.0]	7.9	[5.6, 11.0]	0.9	[0.3, 2.2]	100.0
Detroit Metro (n=786)	15.2	[12.4, 18.4]	72.2	[68.2, 75.8]	5.6	[4.0, 7.8]	6.8	[5.0, 9.3]	0.2	[0.0, 1.1]	100.0
Pearson: Uncorrected chi2(12) =	30.8997										
Design-based F(10.73, 27598.31) =	2.1322	Pr =	0.016								
Chronic condition (2018 survey or DW)											
Yes (n=1,630)	16.6	[14.5, 18.9]	70.5	[67.6, 73.1]	5.0	[3.8, 6.5]	7.4	[6.0, 9.1]	0.6	[0.3, 1.1]	100.0
No (n=953)	13.7	[11.1, 16.7]	66.4	[62.5, 70.0]	9.1	[7.2, 11.4]	9.9	[7.8, 12.5]	1.0	[0.5, 2.0]	100.0
Pearson: Uncorrected chi2(4) =	26.6380										
Design-based F(3.92, 10079.13) =	4.6135	Pr =	0.001								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=301)	17.9	[13.1, 23.9]	67.5	[60.7, 73.6]	6.6	[3.9, 10.9]	7.5	[4.7, 11.8]	0.6	[0.1, 2.3]	100.0
Mental health condition (n=936)	15.4	[12.8, 18.4]	67.3	[63.4, 70.9]	7.4	[5.5, 9.9]	8.9	[7.0, 11.3]	1.0	[0.5, 1.9]	100.0
Substance use disorder (n=98)	18.5	[10.8, 29.8]	66.8	[54.7, 77.0]	3.8	[1.3, 10.6]	9.0	[4.1, 18.4]	1.9	[0.3, 12.5]	100.0
None (n=1,248)	14.5	[12.2, 17.2]	70.3	[67.1, 73.4]	6.3	[5.0, 8.1]	8.2	[6.5, 10.4]	0.6	[0.3, 1.2]	100.0
Pearson: Uncorrected chi2(12) =	9.3477										
Design-based F(11.66, 29968.76) =	0.5456	Pr =	0.882								
Total (n=2,583)	15.4	[13.8, 17.2]	68.8	[66.5, 71.0]	6.6	[5.6, 7.9]	8.4	[7.2, 9.8]	0.8	[0.5, 1.2]	100.0

Note: Total n is less than universe N due to item non-response.

5.10 Q: In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care?

Universe: All respondents (N=2,602)

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
Age					
19-35 (n=1,015)	24.8	[21.8, 28.1]	75.2	[71.9, 78.2]	100.0
36-49 (n=689)	26.2	[22.3, 30.6]	73.8	[69.4, 77.7]	100.0
50-64 (n=862)	22.0	[18.8, 25.6]	78.0	[74.4, 81.2]	100.0
Pearson: Uncorrected chi2(2) =	3.2018				
Design-based F(1.95, 4990.47) =	1.1143	Pr =	0.327		
Gender					
Female (n=1,530)	26.5	[23.8, 29.3]	73.5	[70.7, 76.2]	100.0
Male (n=1,036)	22.6	[19.6, 25.9]	77.4	[74.1, 80.4]	100.0
Pearson: Uncorrected chi2(1) =	5.0864				
Design-based F(1.00, 2554.00) =	3.1593	Pr =	0.076		
Race/ethnicity					
White, non-Hispanic (n=1,681)	25.0	[22.5, 27.7]	75.0	[72.3, 77.5]	100.0
Black, non-Hispanic (n=414)	21.1	[16.8, 26.2]	78.9	[73.8, 83.2]	100.0
Hispanic (n=166)	27.7	[20.5, 36.3]	72.3	[63.7, 79.5]	100.0
Other, non-Hispanic (n=239)	25.0	[19.0, 32.2]	75.0	[67.8, 81.0]	100.0
Pearson: Uncorrected chi2(3) =	4.6076				
Design-based F(2.97, 7385.43) =	0.9166	Pr =	0.431		
FPL category					
0-35% (n=947)	24.4	[21.2, 27.8]	75.6	[72.2, 78.8]	100.0
36-99% (n=934)	25.0	[22.1, 28.2]	75.0	[71.8, 77.9]	100.0
100%+ (n=685)	24.2	[20.7, 28.2]	75.8	[71.8, 79.3]	100.0
Pearson: Uncorrected chi2(2) =	0.1261				
Design-based F(1.90, 4854.00) =	0.0522	Pr =	0.943		
Region					
UP/NW/NE (n=512)	25.8	[21.7, 30.4]	74.2	[69.6, 78.3]	100.0
W/E Central/E (n=763)	24.8	[21.4, 28.5]	75.2	[71.5, 78.6]	100.0
S Central/SW/SE (n=518)	19.5	[15.9, 23.6]	80.5	[76.4, 84.1]	100.0
Detroit Metro (n=773)	26.4	[22.8, 30.3]	73.6	[69.7, 77.2]	100.0
Pearson: Uncorrected chi2(3) =	9.3657				
Design-based F(2.67, 6828.19) =	2.5905	Pr =	0.058		
Chronic condition (2018 survey or DW)					
Yes (n=1,627)	26.2	[23.5, 29.1]	73.8	[70.9, 76.5]	100.0
No (n=939)	22.0	[19.0, 25.2]	78.0	[74.8, 81.0]	100.0
Pearson: Uncorrected chi2(1) =	5.9217				
Design-based F(1.00, 2554.00) =	3.8879	Pr =	0.049		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=298)	30.6	[24.3, 37.7]	69.4	[62.3, 75.7]	100.0
Mental health condition (n=932)	26.0	[22.6, 29.7]	74.0	[70.3, 77.4]	100.0
Substance use disorder (n=97)	26.0	[17.0, 37.6]	74.0	[62.4, 83.0]	100.0
None (n=1,239)	21.9	[19.2, 24.9]	78.1	[75.1, 80.8]	100.0
Pearson: Uncorrected chi2(3) =	12.3376				
Design-based F(2.97, 7588.98) =	2.6240	Pr =	0.049		
Total (n=2,566)	24.5	[22.5, 26.7]	75.5	[73.3, 77.5]	100.0

Note: Total n is less than universe N due to item non-response.

5.10.1   Q: What type of health care was this for?

Universe: Respondents who checked the cost before they received care in the past 12 months (N=628)

Type of health care costs checked	Weighted Proportion	95% CI
Primary care (n=283)	43.8	[39.1, 48.7]
Prescription medication (n=164)	25.2	[21.2, 29.6]
Other (n=126)	19.5	[16.1, 23.5]
Specialist care (n=70)	11.4	[8.4, 15.1]
Lab/imaging test (n=51)	8.6	[6.1, 11.9]
Surgery or procedure (n=37)	5.7	[3.8, 8.4]
Mental health care (n=12)	2.4	[1.2, 4.7]
Support services (PT, OT, ST, DME) (n=4)	0.6	[0.2, 1.7]
Don't know (n=12)	3.2	[1.5, 6.7]

Note: Respondents were able to provide multiple responses.

5.11   Q: In the past 12 months, did you compare quality ratings for any health care services at different places?

Universe: All respondents (N=2,602)

| | Compared quality ratings in past 12 months | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,021)	17.3	[14.6, 20.4]	82.7	[79.6, 85.4]	100.0
36-49 (n=690)	18.3	[14.8, 22.3]	81.7	[77.7, 85.2]	100.0
50-64 (n=867)	15.5	[12.6, 18.9]	84.5	[81.1, 87.4]	100.0
Pearson: Uncorrected chi2(2) =	1.7098				
Design-based F(1.96, 5026.05) =	0.5505	Pr =	0.573		
Gender					
Female (n=1,538)	17.9	[15.7, 20.4]	82.1	[79.6, 84.3]	100.0
Male (n=1,040)	16.3	[13.5, 19.6]	83.7	[80.4, 86.5]	100.0
Pearson: Uncorrected chi2(1) =	1.1361				
Design-based F(1.00, 2566.00) =	0.6468	Pr =	0.421		
Race/ethnicity					
White, non-Hispanic (n=1,684)	18.6	[16.2, 21.3]	81.4	[78.7, 83.8]	100.0
Black, non-Hispanic (n=416)	12.9	[9.4, 17.6]	87.1	[82.4, 90.6]	100.0
Hispanic (n=169)	15.5	[10.4, 22.4]	84.5	[77.6, 89.6]	100.0
Other, non-Hispanic (n=243)	15.4	[11.1, 21.0]	84.6	[79.0, 88.9]	100.0
Pearson: Uncorrected chi2(3) =	10.0556				
Design-based F(2.89, 7219.59) =	2.0527	Pr =	0.107		
FPL category					
0-35% (n=955)	17.6	[14.8, 20.8]	82.4	[79.2, 85.2]	100.0
36-99% (n=933)	17.7	[15.1, 20.7]	82.3	[79.3, 84.9]	100.0
100%+ (n=690)	14.9	[12.0, 18.3]	85.1	[81.7, 88.0]	100.0
Pearson: Uncorrected chi2(2) =	2.0510				
Design-based F(1.90, 4870.48) =	0.8095	Pr =	0.439		
Region					
UP/NW/NE (n=516)	14.7	[11.6, 18.6]	85.3	[81.4, 88.4]	100.0
W/E Central/E (n=763)	16.4	[13.6, 19.7]	83.6	[80.3, 86.4]	100.0
S Central/SW/SE (n=516)	13.5	[10.3, 17.3]	86.5	[82.7, 89.7]	100.0
Detroit Metro (n=783)	19.7	[16.4, 23.4]	80.3	[76.6, 83.6]	100.0
Pearson: Uncorrected chi2(3) =	11.2169				
Design-based F(2.65, 6794.42) =	2.9816	Pr =	0.036		
Chronic condition (2018 survey or DW)					
Yes (n=1,633)	15.7	[13.5, 18.2]	84.3	[81.8, 86.5]	100.0
No (n=945)	19.2	[16.2, 22.6]	80.8	[77.4, 83.8]	100.0
Pearson: Uncorrected chi2(1) =	5.2386				
Design-based F(1.00, 2566.00) =	2.9987	Pr =	0.083		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=300)	14.1	[10.1, 19.3]	85.9	[80.7, 89.9]	100.0
Mental health condition (n=934)	19.6	[16.5, 23.0]	80.4	[77.0, 83.5]	100.0
Substance use disorder (n=98)	11.6	[6.2, 20.7]	88.4	[79.3, 93.8]	100.0
None (n=1,246)	16.7	[14.0, 19.7]	83.3	[80.3, 86.0]	100.0
Pearson: Uncorrected chi2(3) =	8.0414				
Design-based F(2.95, 7575.19) =	1.8046	Pr =	0.145		
Total (n=2,578)	17.1	[15.3, 19.1]	82.9	[80.9, 84.7]	100.0

Note: Total n is less than universe N due to item non-response.

5.11.1   Q: What type of health care was this for?

Universe: Respondents who compared quality ratings for health care services in the past 12 months (N=412)

Type of health care quality compared	Weighted Proportion	95% CI
Primary care (n=189)	44.9	[38.9, 51.0]
Other (n=91)	21.6	[17.1, 27.0]
Specialist care (n=87)	21.0	[16.4, 26.4]
Prescription medication (n=26)	7.9	[4.6, 13.0]
Surgery or procedure (n=22)	3.7	[2.3, 6.0]
Mental health care (n=16)	3.2	[1.9, 5.5]
Support services (PT, OT, ST, DME) (n=6)	2.5	[0.8, 7.6]
Lab/imaging test (n=6)	1.3	[0.5, 3.3]
Don't know (n=8)	3.2	[1.6, 6.5]

Note: Respondents were able to provide multiple responses.

5.12 Q: In the past 12 months, did you talk with a health care provider about how much any health care services would cost you personally?

Universe: All respondents (N=2,602)

| | Talked with provider about out-of-pocket costs in past 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,029)	19.2	[16.4, 22.5]	80.8	[77.5, 83.6]	100.0
36-49 (n=692)	16.2	[13.2, 19.8]	83.8	[80.2, 86.8]	100.0
50-64 (n=867)	21.9	[18.6, 25.5]	78.1	[74.5, 81.4]	100.0
Pearson: Uncorrected chi2(2) =	6.6297				
Design-based F(1.95, 5035.96) =	2.2940	Pr =	0.102		
Gender					
Female (n=1,541)	22.3	[19.8, 25.0]	77.7	[75.0, 80.2]	100.0
Male (n=1,047)	15.9	[13.3, 19.0]	84.1	[81.0, 86.7]	100.0
Pearson: Uncorrected chi2(1) =	17.0143				
Design-based F(1.00, 2576.00) =	9.6436	Pr =	0.002		
Race/ethnicity					
White, non-Hispanic (n=1,688)	19.2	[16.9, 21.7]	80.8	[78.3, 83.1]	100.0
Black, non-Hispanic (n=421)	17.2	[13.2, 22.1]	82.8	[77.9, 86.8]	100.0
Hispanic (n=169)	18.3	[12.5, 26.1]	81.7	[73.9, 87.5]	100.0
Other, non-Hispanic (n=243)	19.8	[14.3, 26.7]	80.2	[73.3, 85.7]	100.0
Pearson: Uncorrected chi2(3) =	1.3355				
Design-based F(2.95, 7408.23) =	0.2558	Pr =	0.854		
FPL category					
0-35% (n=954)	19.9	[17.0, 23.2]	80.1	[76.8, 83.0]	100.0
36-99% (n=942)	17.4	[14.9, 20.3]	82.6	[79.7, 85.1]	100.0
100%+ (n=692)	19.1	[16.0, 22.7]	80.9	[77.3, 84.0]	100.0
Pearson: Uncorrected chi2(2) =	1.8230				
Design-based F(1.89, 4868.47) =	0.7580	Pr =	0.462		
Region					
UP/NW/NE (n=517)	19.3	[15.9, 23.3]	80.7	[76.7, 84.1]	100.0
W/E Central/E (n=767)	20.8	[17.8, 24.2]	79.2	[75.8, 82.2]	100.0
S Central/SW/SE (n=520)	17.2	[13.6, 21.5]	82.8	[78.5, 86.4]	100.0
Detroit Metro (n=784)	18.8	[15.6, 22.6]	81.2	[77.4, 84.4]	100.0
Pearson: Uncorrected chi2(3) =	2.5509				
Design-based F(2.59, 6675.57) =	0.6673	Pr =	0.551		
Chronic condition (2018 survey or DW)					
Yes (n=1,638)	20.7	[18.2, 23.4]	79.3	[76.6, 81.8]	100.0
No (n=950)	16.7	[14.0, 19.8]	83.3	[80.2, 86.0]	100.0
Pearson: Uncorrected chi2(1) =	6.4048				
Design-based F(1.00, 2576.00) =	3.8722	Pr =	0.049		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=298)	19.4	[14.1, 26.1]	80.6	[73.9, 85.9]	100.0
Mental health condition (n=941)	20.9	[17.9, 24.3]	79.1	[75.7, 82.1]	100.0
Substance use disorder (n=100)	13.5	[7.4, 23.4]	86.5	[76.6, 92.6]	100.0
None (n=1,249)	18.2	[15.6, 21.2]	81.8	[78.8, 84.4]	100.0
Pearson: Uncorrected chi2(3) =	4.5814				
Design-based F(2.95, 7586.89) =	0.9441	Pr =	0.417		
Total (n=2,588)	19.1	[17.2, 21.1]	80.9	[78.9, 82.8]	100.0

Note: Total n is less than universe N due to item non-response.

5.12.1 Q: What type of health care was this for?

Universe: Respondents who discussed how much health care services would cost with a health care provider in the past 12 months (N=495)

Type of health care out-of-pocket costs discussed	Weighted Proportion	95% CI
Other (n=126)	28.9	[24.0, 34.4]
Primary care (n=107)	23.6	[18.8, 29.2]
Specialist care (n=92)	21.4	[16.9, 26.8]
Prescription medication (n=58)	11.2	[8.1, 15.2]
Surgery or procedure (n=59)	8.9	[6.6, 12.0]
Lab/imaging test (n=60)	8.4	[6.2, 11.5]
Mental health care (n=27)	5.0	[3.1 , 7.9]
Support services (PT, OT, ST, DME) (n=18)	3.6	[2.0, 6.3]

Note: Respondents were able to provide multiple responses.

5.13 Q: In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

Universe: All respondents (N=2,602)

| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,026)	17.4	[14.8, 20.2]	82.6	[79.8, 85.2]	100.0
36-49 (n=691)	23.9	[20.4, 27.7]	76.1	[72.3, 79.6]	100.0
50-64 (n=868)	26.9	[23.5, 30.6]	73.1	[69.4, 76.5]	100.0
Pearson: Uncorrected chi2(2) =	26.0629				
Design-based F(1.96, 5047.44) =	9.8378	Pr =	0.000		
Gender					
Female (n=1,538)	26.0	[23.5, 28.7]	74.0	[71.3, 76.5]	100.0
Male (n=1,047)	16.6	[14.1, 19.4]	83.4	[80.6, 85.9]	100.0
Pearson: Uncorrected chi2(1) =	34.2921				
Design-based F(1.00, 2573.00) =	22.8301	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,688)	24.7	[22.3, 27.2]	75.3	[72.8, 77.7]	100.0
Black, non-Hispanic (n=418)	16.9	[12.9, 21.8]	83.1	[78.2, 87.1]	100.0
Hispanic (n=169)	17.2	[11.8, 24.5]	82.8	[75.5, 88.2]	100.0
Other, non-Hispanic (n=243)	16.4	[11.9, 22.2]	83.6	[77.8, 88.1]	100.0
Pearson: Uncorrected chi2(3) =	22.5329				
Design-based F(2.93, 7351.72) =	4.7602	Pr =	0.003		
FPL category					
0-35% (n=957)	19.8	[17.1, 22.8]	80.2	[77.2, 82.9]	100.0
36-99% (n=938)	22.6	[19.8, 25.7]	77.4	[74.3, 80.2]	100.0
100%+ (n=690)	23.6	[20.2, 27.4]	76.4	[72.6, 79.8]	100.0
Pearson: Uncorrected chi2(2) =	4.1692				
Design-based F(1.91, 4919.31) =	1.8542	Pr =	0.159		
Region					
UP/NW/NE (n=515)	23.7	[20.0, 27.9]	76.3	[72.1, 80.0]	100.0
W/E Central/E (n=765)	23.8	[20.6, 27.3]	76.2	[72.7, 79.4]	100.0
S Central/SW/SE (n=521)	26.5	[22.4, 31.1]	73.5	[68.9, 77.6]	100.0
Detroit Metro (n=784)	16.8	[14.0, 20.1]	83.2	[79.9, 86.0]	100.0
Pearson: Uncorrected chi2(3) =	25.2313				
Design-based F(2.64, 6793.96) =	7.2240	Pr =	0.000		
Chronic condition (2018 survey or DW)					
Yes (n=1,637)	25.1	[22.7, 27.7]	74.9	[72.3, 77.3]	100.0
No (n=948)	15.5	[12.9, 18.4]	84.5	[81.6, 87.1]	100.0
Pearson: Uncorrected chi2(1) =	34.5148				
Design-based F(1.00, 2573.00) =	22.9054	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
Mental health condition and substance use disorder (n=299)	23.4	[18.3, 29.4]	76.6	[70.6, 81.7]	100.0
Mental health condition (n=938)	26.4	[23.2, 29.8]	73.6	[70.2, 76.8]	100.0
Substance use disorder (n=100)	23.2	[14.8, 34.4]	76.8	[65.6, 85.2]	100.0
None (n=1,248)	17.2	[14.8, 19.9]	82.8	[80.1, 85.2]	100.0
Pearson: Uncorrected chi2(3) =	27.3438				
Design-based F(3.00, 7709.82) =	6.3550	Pr =	0.000		
Total (n=2,585)	21.3	[19.4, 23.2]	78.7	[76.8, 80.6]	100.0

Note: Total n is less than universe N due to item non-response.

6 Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

6.1 Q: How much longer do you expect you will have insurance through the Healthy Michigan Plan?

Universe: All respondents (N=2,602)

	Less than 6 months		6 months to a year		Expected duration of HMP enrollment 1-2 years		More than 2 years		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Age											
19-35 (n=1,033)	7.3	[5.6, 9.5]	13.0	[10.4, 16.0]	14.1	[11.7, 16.9]	26.9	[23.6, 30.5]	38.7	[35.2, 42.3]	100.0
36-49 (n=696)	5.0	[3.3, 7.5]	14.6	[11.3, 18.8]	11.3	[8.6, 14.6]	21.1	[17.6, 24.9]	48.0	[43.4, 52.7]	100.0
50-64 (n=870)	5.5	[3.8, 7.7]	9.8	[7.6, 12.5]	10.3	[8.0, 13.0]	27.6	[24.1, 31.4]	46.9	[42.8, 50.9]	100.0
Pearson: Uncorrected chi2(8) =	35.9224										
Design-based F(7.69, 19902.43) =	3.0321	Pr =	0.002								
Gender											
Female (n=1,546)	6.8	[5.3, 8.6]	10.1	[8.3, 12.1]	11.8	[9.9, 14.1]	26.5	[23.8, 29.3]	44.8	[41.8, 47.9]	100.0
Male (n=1,053)	5.8	[4.3, 7.8]	15.2	[12.4, 18.4]	13.2	[10.8, 15.9]	24.7	[21.5, 28.2]	41.2	[37.5, 44.9]	100.0
Pearson: Uncorrected chi2(4) =	18.0114										
Design-based F(3.99, 10326.78) =	2.7011	Pr =	0.029								
Race/ethnicity											
White, non-Hispanic (n=1,694)	6.6	[5.3, 8.3]	13.1	[11.1, 15.5]	13.7	[11.7, 16.0]	24.1	[21.6, 26.9]	42.4	[39.5, 45.4]	100.0
Black, non-Hispanic (n=422)	6.7	[4.1, 10.5]	14.0	[10.0, 19.1]	13.3	[9.7, 17.9]	24.3	[19.7, 29.6]	41.8	[36.1, 47.7]	100.0
Hispanic (n=169)	6.7	[3.7, 11.8]	12.9	[6.9, 22.8]	10.5	[6.5, 16.4]	22.0	[15.2, 30.7]	48.0	[39.0, 57.0]	100.0
Other, non-Hispanic (n=248)	3.0	[1.5, 6.0]	8.1	[4.8, 13.5]	7.3	[4.4, 11.7]	37.3	[30.2, 44.9]	44.4	[37.1, 51.9]	100.0
Pearson: Uncorrected chi2(12) =	42.2736										
Design-based F(11.39, 28704.54) =	2.0007	Pr =	0.023								
FPL category											
0-35% (n=958)	6.8	[5.1, 9.1]	14.9	[12.1, 18.1]	12.0	[9.6, 14.8]	25.0	[21.8, 28.6]	41.3	[37.6, 45.1]	100.0
36-99% (n=946)	4.7	[3.5, 6.4]	10.9	[8.8, 13.3]	13.7	[11.4, 16.4]	28.1	[25.0, 31.5]	42.6	[39.1, 46.1]	100.0
100%+ (n=695)	7.0	[5.1, 9.5]	8.8	[6.5, 11.6]	12.3	[9.7, 15.5]	23.5	[20.1, 27.3]	48.5	[44.3, 52.8]	100.0
Pearson: Uncorrected chi2(8) =	25.2946										
Design-based F(7.56, 19564.31) =	2.5628	Pr =	0.010								
Region											
UP/NW/NE (n=518)	2.5	[1.5, 4.1]	12.6	[9.6, 16.5]	15.5	[12.2, 19.6]	24.1	[20.2, 28.5]	45.3	[40.5, 50.1]	100.0
W/E Central/E (n=770)	6.9	[5.1, 9.3]	10.6	[8.3, 13.4]	12.1	[9.7, 15.0]	24.0	[20.7, 27.7]	46.5	[42.4, 50.5]	100.0
S Central/SW/SE (n=521)	7.8	[5.5, 11.0]	12.7	[9.4, 16.9]	12.3	[9.4, 15.9]	25.9	[21.7, 30.5]	41.3	[36.5, 46.3]	100.0
Detroit Metro (n=790)	6.1	[4.3, 8.5]	13.9	[10.9, 17.5]	12.2	[9.6, 15.4]	26.7	[23.0, 30.7]	41.1	[37.0, 45.3]	100.0
Pearson: Uncorrected chi2(12) =	18.4163										
Design-based F(10.35, 26764.43) =	1.2010	Pr =	0.283								
Chronic condition (2018 survey or DW)											
Yes (n=1,643)	5.8	[4.5, 7.5]	12.3	[10.1, 14.7]	10.2	[8.4, 12.2]	26.8	[24.1, 29.6]	45.0	[42.0, 48.1]	100.0
No (n=956)	7.0	[5.3, 9.3]	13.2	[10.6, 16.5]	16.0	[13.2, 19.2]	23.8	[20.5, 27.4]	40.0	[36.2, 43.9]	100.0
Pearson: Uncorrected chi2(4) =	24.8097										
Design-based F(3.97, 10263.74) =	3.5617	Pr =	0.007								
Mental health condition and/or substance use disorder (2018 survey or DW)											
Mental health condition and substance use disorder (n=300)	6.9	[4.1, 11.4]	15.4	[10.1, 22.8]	8.0	[5.0, 12.4]	29.4	[23.3, 36.3]	40.4	[34.0, 47.2]	100.0
Mental health condition (n=942)	6.7	[5.0, 9.0]	11.3	[8.8, 14.3]	11.3	[9.0, 14.0]	26.6	[23.1, 30.4]	44.1	[40.2, 48.1]	100.0
Substance use disorder (n=100)	3.7	[1.1, 11.9]	16.2	[9.2, 27.0]	9.7	[4.7, 18.8]	13.9	[8.4, 22.1]	56.4	[44.8, 67.4]	100.0
None (n=1,257)	6.1	[4.5, 8.1]	12.6	[10.3, 15.4]	14.6	[12.2, 17.4]	24.8	[21.9, 28.1]	41.8	[38.4, 45.4]	100.0
Pearson: Uncorrected chi2(12) =	30.9411										
Design-based F(11.48, 29710.17) =	1.6242	Pr =	0.081								
Total (n=2,599)	6.3	[5.2, 7.6]	12.7	[11.0, 14.6]	12.5	[10.9, 14.2]	25.6	[23.5, 27.8]	43.0	[40.6, 45.4]	100.0

Note: Total n is less than universe N due to item non-response.

6.1.1 Q: What is the reason you think your HMP insurance will end?

Universe: Respondents who expected they would continue to have insurance through HMP for 2 years or less (N=746)

Expected reason for ending HMP enrollment	Weighted Proportion	95% CI
Expect to get employer-sponsored insurance (n=263)	37.8	[33.4, 42.3]
Expect an income increase (n=190)	22.8	[19.3, 26.8]
Eligibility change- non-specific (n=71)	9.8	[7.4, 12.9]
Expect a household change (n=48)	7.7	[5.4, 10.9]
Will turn 65/Medicare eligible (n=63)	6.1	[4.5, 8.2]
HMP program will not continue (n=44)	5.4	[3.7, 7.9]
Other (n=28)	5.2	[3.2, 8.5]
Dissatisfied with HMP (n=2)	0.2	[0.0, 0.9]
Don't know (n=89)	10.6	[8.2, 13.6]

Note: Respondents were able to provide multiple responses.

2018 Healthy Michigan Voices Cohort II Survey
Appendix B: Additional Analyses

Contents

Appendix B Interpretation Notes

Appendix B presents multivariate analyses which were conducted to test for relationships or differences between selected variables and groups of interest, including analyses using claims data. The types of analysis, models, and specific tests are described in the table footnotes.

Variables derived from health-related characteristics, claims-based utilization, and Health Risk Assessment (HRA) completion drawn from the state Data Warehouse are labeled "(DW)".

When a question was answered by all respondents N=2,602. An N of less than 2,602 reflects either pre-determined skip patterns based on prior survey questions, or item non-response. "Don't know" responses were treated as non-response if they accounted for less than 2% of the total responses to that question. Respondents who answered "not applicable" to survey questions were excluded from bivariate and multivariate analyses.

0 Demographics

0.1 Demographic comparison of Cohort I (2016) and Cohort II (2018)

	2016 Cohort I		2018 Cohort II	
	Weighted Proportion	95% CI	Weighted Proportion	95% CI
FPL category				
0-35%	51.8	[50.8, 52.8]	54.6	[53.6, 55.6]
36-99%	28.4	[27.6, 29.3]	26.6	[25.8, 27.4]
100%+	19.8	[19.1, 20.4]	18.8	[18.1, 19.5]
Region				
UP/NW/NE	9.0	[8.6, 9.4]	9.0	[8.6, 9.4]
W/E Central/E	28.6	[27.8, 29.4]	27.0	[26.2, 27.9]
S Central/SW/SE	18.6	[17.8, 19.3]	19.8	[19.0, 20.6]
Detroit Metro	43.8	[42.8, 44.9]	44.1	[43.0, 45.3]
Gender				
Female	51.6	[49.6, 53.5]	49.2	[46.8, 51.6]
Male	48.4	[46.5, 50.4]	50.8	[48.4, 53.2]
Race/ethnicity				
White, non-Hispanic	59.3	[57.4, 61.1]	58.2	[55.8, 60.5]
Black, non-Hispanic	25.9	[24.2, 27.7]	22.2	[20.2, 24.4]
Hispanic	5.2	[4.4, 6.2]	7.2	[6.0, 8.6]
Other, non-Hispanic	9.6	[8.5, 10.9]	12.4	[10.8, 14.2]
Race				
White	61.2	[59.3, 63.0]	60.9	[58.5, 63.2]
Black or African American	26.1	[24.3, 27.9]	22.9	[20.8, 25.1]
Other	8.8	[7.7, 10.0]	12.0	[10.4, 13.8]
More than one	4.0	[3.3, 4.9]	4.2	[3.3, 5.4]
Hispanic/Latino[a]				
Yes	5.2	[4.4, 6.2]	7.1	[6.0, 8.5]
No	94.3	[93.3, 95.2]	92.9	[91.5, 94.0]
Don't know	0.5	[0.2, 0.9]		
Arab/Chaldean/Middle Eastern[a]				
Yes	6.2	[5.3, 7.2]	7.8	[6.4, 9.4]
No	93.6	[92.5, 94.5]	92.2	[90.6, 93.6]
Don't know	0.3	[0.1, 0.6]		
Employed and/or student				
Yes	53.7	[51.82, 55.6]	62.9	[60.6, 65.1]
No	46.3	[44.4, 48.2]	37.1	[34.9, 37.1]
Any self-reported chronic condition[b]				
Yes	69.2	[67.3, 71.0]	67.5	[65.1, 69.8]
No	30.8	[29.0, 32.7]	32.5	[30.2, 34.9]
Insurance status in 12 months prior to HMP				
Insured some or all 12 months	40.7	[38.8, 42.6]	54.2	[51.8, 56.6]
Uninsured all 12 months	57.9	[55.9, 59.8]	43.4	[41.0, 45.8]
Don't know	1.4	[1.0, 2.1]	2.4	[1.6, 3.5]

[a] "Don't know" responses were dropped in Cohort II due to a response selection of < 2.0 %

[b] For 2016 Cohort I, any self-reported chronic condition was defined as having one or more chronic conditions (including asthma, cancer, COPD, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) identified by survey self-report; For 2018 Cohort II, any self-reported chronic condition was defined as having one or more chronic conditions (including asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) identified by survey self-report. In the 2018 Cohort II survey, respondents were asked explicitly whether they had received a diagnosis of arthritis whereas in the 2016 Cohort I survey respondents were not, though they could have identified arthritis when asked about any other ongoing health conditions.

0.2 Age comparison of Cohort I (2016) and Cohort II (2018)

			Age		
	10th percentile	Median	90th percentile	Mean	95% CI
Cohort					
2016 Cohort I	22.6	40.3	58.3	40.4	[39.9, 40.9]
2018 Cohort II	20	34	58	36.7	[36.1, 37.4]

0.3 Student status

0.3.1 Student status by selected characteristics

	In school				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	9.1	[7.2, 11.5]	90.9	[88.5, 92.8]	100.0
Associate's degree/Some college (n=1,002)	33.1	[29.2, 37.1]	66.9	[62.9, 70.8]	100.0
Bachelor's/Post graduate degree (n=338)	20.5	[15.1, 27.2]	79.5	[72.8, 84.9]	100.0
Pearson: Uncorrected chi2(2) =	202.8765				
Design-based F(2.00, 5157.23) =	55.7133	Pr =	0.000		
Employed/Self-employed					
Yes (n=1,516)	22.8	[20.0, 25.8]	77.2	[74.2, 80.0]	100.0
No (n=1,077)	16.4	[13.5, 19.7]	83.6	[80.3, 86.5]	100.0
Pearson: Uncorrected chi2(1) =	16.5824				
Design-based F(1.00, 2581.00) =	8.2918	Pr =	0.004		
Homeless in last 12 months					
Yes (n=155)	8.1	[3.7, 16.9]	91.9	[83.1, 96.3]	100.0
No (n=2,442)	21.1	[18.9, 23.4]	78.9	[76.6, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	20.3079				
Design-based F(1.00, 2585.00) =	7.2331	Pr =	0.007		
Health status					
Excellent/Very good/Good (n=1,945)	23.9	[21.4, 26.7]	76.1	[73.3, 78.6]	100.0
Fair/Poor (n=654)	7.9	[5.5, 11.1]	92.1	[88.9, 94.5]	100.0
Pearson: Uncorrected chi2(1) =	77.5914				
Design-based F(1.00, 2587.00) =	45.0300	Pr =	0.000		
Number of days missed due to poor physical or mental health					
0-13 days (n=2,105)	22.4	[20.0, 24.9]	77.6	[75.1, 80.0]	100.0
14+ days (n=494)	9.1	[6.2, 13.2]	90.9	[86.8, 93.8]	100.0
Pearson: Uncorrected chi2(1) =	42.3043				
Design-based F(1.00, 2587.00) =	23.4639	Pr =	0.000		
Change in dental health status since HMP enrollment					
Gotten better (n=913)	20.5	[17.2, 24.3]	79.5	[75.7, 82.8]	100.0
Stayed the same (n=1,375)	21.6	[18.7, 24.8]	78.4	[75.2, 81.3]	100.0
Gotten worse (n=274)	11.2	[7.4, 16.6]	88.8	[83.4, 92.6]	100.0
Pearson: Uncorrected chi2(2) =	15.4260				
Design-based F(1.97, 5033.17) =	4.5743	Pr =	0.011		
Total (n=2,599)	20.0	[18.0, 22.2]	80.0	[77.8, 82.0]	100.0

Note: χ^2 test of independence.

0.3.2 Student status by employment status

	In school				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Employment status					
Full-time employment (n=699)	19.1	[15.1, 23.8]	80.9	[76.2, 84.9]	100.0
Part-time employment (n=810)	26.5	[22.9, 30.6]	73.5	[69.4, 77.1]	100.0
Not employed (n=1,077)	16.4	[13.5, 19.7]	83.6	[80.3, 86.5]	100.0
Total (n=2,599)	20.0	[18.0, 22.2]	80.0	[77.8, 82.0]	100.0

0.3.3 Student status amount by employment status

	Student status				Total
	Full-time		**Part-time**		
	Row %	95% CI	Row %	95% CI	Row %
Employment status					
Full-time employment (n=93)	61.8	[48.2, 73.7]	38.2	[26.3, 51.8]	100.0
Part-time employment (n=172)	77.2	[69.7, 83.4]	22.8	[16.6, 30.3]	100.0
Not employed (n=128)	77.0	[66.4, 85.0]	23.0	[15.0, 33.6]	100.0
Total (n=396)	73.0	[67.1, 78.2]	27.0	[21.8, 32.9]	100.0

Note: Restricted to those who are students.

0.3.4   Student status by employment status, detailed

| | In school | | | | Total |
| | Yes | | No | | |
Employment status, detailed	Row %	95% CI	Row %	95% CI	Row %
Full-time employment (n=699)	19.1	[15.1, 23.8]	80.9	[76.2, 84.9]	100.0
Part-time employment (n=810)	26.5	[22.9, 30.6]	73.5	[69.4, 77.1]	100.0
Out of work (n=309)	14.2	[9.8, 20.2]	85.8	[79.8, 90.2]	100.0
Unable to work (n=393)	4.3	[2.1, 8.8]	95.7	[91.2, 97.9]	100.0
Retired (n=135)	0.0		100.0		100.0
Not looking for work (n=230)	44.0	[35.7, 52.5]	56.0	[47.5, 64.3]	100.0
Total (n=2,599)	20.0	[18.0, 22.2]	80.0	[77.8, 82.0]	100.0

0.3.5   Student status amount by employment status, detailed

| | Student status | | | | Total |
| | Full-time | | Part-time | | |
Employment status, detailed	Row %	95% CI	Row %	95% CI	Row %
Full-time employment (n=93)	61.8	[48.2, 73.7]	38.2	[26.3, 51.8]	100.0
Part-time employment (n=172)	77.2	[69.7, 83.4]	22.8	[16.6, 30.3]	100.0
Out of work (n=39)	64.6	[43.1, 81.5]	35.4	[18.5, 56.9]	100.0
Unable to work (n=10)	65.2	[29.5, 89.4]	34.8	[10.6, 70.5]	100.0
Not looking for work (n=77)	84.3	[72.0, 91.8]	15.7	[8.2, 28.0]	100.0
Total (n=396)	73.0	[67.1, 78.2]	27.0	[21.8, 32.9]	100.0

Note: Restricted to those who are students.

0.3.6 Predictors of student status

	aOR	In school 95% CI	p-value
Employed/self-employed			
No		Reference	
Yes	0.97	[0.656, 1.423]	0.862
Homeless in last 12 months			
No		Reference	
Yes	0.41	[0.175, 0.972]	0.043
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.38	[0.767, 2.499]	0.280
Number of days missed due to poor physical or mental health			
0-13 days		Reference	
14+ days	0.95	[0.528, 1.691]	0.850
Number of days physical health not good	0.98	[0.953, 1.013]	0.261
Change in dental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	1.10	[0.788, 1.549]	0.564
Age			
19-35		Reference	
36-49	0.09	[0.057, 0.156]	0.000
50-64	0.02	[0.012, 0.052]	0.000
Gender			
Male		Reference	
Female	1.16	[0.828, 1.628]	0.386
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.19	[0.728, 1.936]	0.492
Hispanic	0.67	[0.369, 1.223]	0.193
Other, non-Hispanic	2.05	[1.268, 3.319]	0.003
FPL category			
0-35%		Reference	
36-99%	0.72	[0.488, 1.055]	0.092
100%+	0.54	[0.361, 0.806]	0.003
Region			
UP/NW/NE		Reference	
W/E Central/E	1.12	[0.677, 1.839]	0.668
S Central/SW/SE	1.26	[0.758, 2.110]	0.369
Detroit Metro	1.23	[0.729, 2.057]	0.443
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.74	[0.531, 1.044]	0.087
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.20	[0.091, 0.451]	0.000
Mental health condition	0.78	[0.544, 1.115]	0.172
Substance use disorder	0.27	[0.077, 0.928]	0.038
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	5.47	[3.784, 7.914]	0.000
Bachelor's/Post graduate degree	2.19	[1.301, 3.681]	0.003
Constant	0.23	[0.098, 0.561]	0.001
N	2,451		
F-value	12.205		
Model degrees of freedom	23.0		
Residual degrees of freedom	2,439.0		
F-value significance	0.000		

Notes: Multiple logistic regression. Bivariate tests for "Number of days physical health not good" are included in table 1.2.1.

0.4 Employed/Self-employed

0.4.1 Employed/Self-employed by selected characteristics

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
			Employed/Self-employed		
In school					
Yes (n=394)	63.8	[57.6, 69.5]	36.2	[30.5, 42.4]	100.0
No (n=2,199)	53.8	[51.3, 56.4]	46.2	[43.6, 48.7]	100.0
Pearson: Uncorrected chi2(1) =	16.5824				
Design-based F(1.00, 2581.00) =	8.2918	Pr =	0.004		
Highest level of education					
High school or less (n=1,249)	51.0	[47.6, 54.5]	49.0	[45.5, 52.4]	100.0
Associate's degree/Some college (n=1,001)	61.6	[57.7, 65.4]	38.4	[34.6, 42.3]	100.0
Bachelor's/Post graduate degree (n=337)	55.3	[48.7, 61.6]	44.7	[38.4, 51.3]	100.0
Pearson: Uncorrected chi2(2) =	25.7716				
Design-based F(1.98, 5110.56) =	8.2174	Pr =	0.000		
Caregiver					
Yes (n=744)	60.6	[55.9, 65.1]	39.4	[34.9, 44.1]	100.0
No (n=1,842)	54.0	[51.2, 56.8]	46.0	[43.2, 48.8]	100.0
Pearson: Uncorrected chi2(1) =	9.0061				
Design-based F(1.00, 2574.00) =	5.5034	Pr =	0.019		
Homeless in last 12 months					
Yes (n=155)	44.5	[35.0, 54.4]	55.5	[45.6, 65.0]	100.0
No (n=2,438)	56.7	[54.3, 59.1]	43.3	[40.9, 45.7]	100.0
Pearson: Uncorrected chi2(1) =	11.6519				
Design-based F(1.00, 2581.00) =	5.6386	Pr =	0.018		
Veteran					
Yes (n=94)	32.5	[20.7, 47.0]	67.5	[53.0, 79.3]	100.0
No (n=2,501)	56.6	[54.2, 59.0]	43.4	[41.0, 45.8]	100.0
Pearson: Uncorrected chi2(1) =	20.0469				
Design-based F(1.00, 2583.00) =	10.6530	Pr =	0.001		
Health status					
Excellent/Very good/Good (n=1,942)	62.5	[59.7, 65.3]	37.5	[34.7, 40.3]	100.0
Fair/Poor (n=653)	34.9	[30.7, 39.2]	65.1	[60.8, 69.3]	100.0
Pearson: Uncorrected chi2(1) =	148.8192				
Design-based F(1.00, 2583.00) =	101.9355	Pr =	0.000		
Number of days missed due to poor physical or mental health					
0-13 days (n=2,102)	61.8	[59.2, 64.4]	38.2	[35.6, 40.8]	100.0
14+ days (n=493)	28.1	[23.7, 33.0]	71.9	[67.0, 76.3]	100.0
Pearson: Uncorrected chi2(1) =	176.2298				
Design-based F(1.00, 2583.00) =	126.1315	Pr =	0.000		
Change in dental health status since HMP enrollment					
Gotten better (n=913)	59.1	[55.0, 63.0]	40.9	[37.0, 45.0]	100.0
Stayed the same (n=1,372)	55.2	[51.8, 58.5]	44.8	[41.5, 48.2]	100.0
Gotten worse (n=273)	49.2	[42.0, 56.4]	50.8	[43.6, 58.0]	100.0
Pearson: Uncorrected chi2(2) =	8.7813				
Design-based F(2.00, 5082.11) =	2.7819	Pr =	0.062		
Any preventive dental visit (DW)					
Yes (n=833)	56.3	[51.9, 60.5]	43.7	[39.5, 48.1]	100.0
No (n=1,762)	55.6	[52.7, 58.4]	44.4	[41.6, 47.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1067				
Design-based F(1.00, 2583.00) =	0.0663	Pr =	0.797		
Any other dental visit (DW)					
Yes (n=1,119)	56.1	[52.5, 59.7]	43.9	[40.3, 47.5]	100.0
No (n=1,476)	55.5	[52.3, 58.7]	44.5	[41.3, 47.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0986				
Design-based F(1.00, 2583.00) =	0.0612	Pr =	0.805		
Any eye visit (DW)					
Yes (n=1,018)	49.4	[45.6, 53.2]	50.6	[46.8, 54.4]	100.0
No (n=1,577)	59.3	[56.2, 62.3]	40.7	[37.7, 43.8]	100.0
Pearson: Uncorrected chi2(1) =	23.4353				
Design-based F(1.00, 2583.00) =	15.1504	Pr =	0.000		
Total (n=2,595)	55.8	[53.4, 58.1]	44.2	[41.9, 46.6]	100.0

Note: χ^2 test of independence.

0.4.2 Employment status by selected characteristics

	Full-time employment		Part-time employment		Not employed		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
In school							
Yes (n=393)	26.5	[21.1, 32.7]	37.2	[31.8, 42.8]	36.3	[30.6, 42.5]	100.0
No (n=2,193)	28.0	[25.7, 30.5]	25.7	[23.5, 27.9]	46.3	[43.8, 48.9]	100.0
Highest level of education							
High school or less (n=1,246)	25.6	[22.6, 29.0]	25.3	[22.6, 28.3]	49.0	[45.6, 52.5]	100.0
Associate's degree/Some college (n=997)	30.4	[26.8, 34.3]	31.1	[27.6, 34.7]	38.5	[34.7, 42.5]	100.0
Bachelor's/Post graduate degree (n=337)	26.7	[21.6, 32.6]	28.5	[23.3, 34.3]	44.7	[38.4, 51.3]	100.0
Caregiver							
Yes (n=742)	30.2	[25.9, 34.8]	30.3	[26.5, 34.5]	39.5	[35.0, 44.1]	100.0
No (n=1,837)	26.9	[24.4, 29.6]	26.9	[24.6, 29.4]	46.2	[43.4, 49.0]	100.0
Homeless in last 12 months							
Yes (n=155)	20.5	[13.1, 30.5]	24.0	[16.5, 33.7]	55.5	[45.6, 65.0]	100.0
No (n=2,431)	28.4	[26.1, 30.7]	28.2	[26.2, 30.4]	43.4	[41.0, 45.8]	100.0
Veteran							
Yes (n=94)	21.0	[11.0, 36.3]	11.5	[5.3, 23.1]	67.5	[53.0, 79.3]	100.0
No (n=2,494)	27.9	[25.7, 30.3]	28.5	[26.5, 30.7]	43.5	[41.2, 45.9]	100.0
Health status							
Excellent/Very good/Good (n=1,936)	31.8	[29.2, 34.6]	30.6	[28.2, 33.1]	37.6	[34.9, 40.4]	100.0
Fair/Poor (n=652)	15.0	[12.0, 18.5]	19.8	[16.6, 23.6]	65.2	[60.8, 69.3]	100.0
Total (n=2,588)	27.7	[25.5, 30.0]	28.0	[26.0, 30.0]	44.4	[42.0, 46.7]	100.0

0.4.3 Employment status by student status amount

Student status	Full-time employment		Part-time employment		Not employed		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Full-time (n=288)	22.4	[16.6, 29.5]	39.3	[33.0, 46.0]	38.3	[31.7, 45.4]	100.0
Part-time (n=105)	37.6	[26.3, 50.4]	31.4	[22.6, 41.8]	31.0	[20.7, 43.7]	100.0

Note: Restricted to those who are students.

0.4.4 Employment status, detailed by selected characteristics

	Full-time employment Row %	95% CI	Part-time employment Row %	95% CI	Out of work Row %	95% CI	Unable to work Row %	95% CI	Retired Row %	95% CI	Not looking for work Row %	95% CI	Total Row %
In school													
Yes (n=391)	26.7	[21.3, 32.9]	37.4	[32.0, 43.1]	11.1	[7.6, 15.8]	3.2	[1.5, 6.5]	0.0		21.6	[16.8, 27.3]	100.0
No (n=2,185)	28.2	[25.8, 30.7]	25.8	[23.7, 28.1]	16.6	[14.5, 18.9]	17.4	[15.6, 19.4]	5.1	[4.2, 6.2]	6.9	[5.6, 8.3]	100.0
Highest level of education													
High school or less (n=1,241)	25.8	[22.7, 29.2]	25.5	[22.8, 28.5]	18.3	[15.5, 21.5]	17.1	[14.8, 19.6]	4.4	[3.3, 5.8]	8.9	[7.0, 11.2]	100.0
Associate's degree/Some college (n=994)	30.5	[26.9, 34.4]	31.2	[27.7, 34.9]	13.6	[10.8, 17.0]	12.5	[10.3, 15.2]	2.7	[1.9, 4.0]	9.4	[7.3, 12.1]	100.0
Bachelor's/Post graduate degree (n=335)	26.8	[21.7, 32.7]	28.6	[23.4, 34.5]	11.2	[7.4, 16.5]	11.8	[8.2, 16.7]	7.4	[4.7, 11.4]	14.2	[9.7, 20.5]	100.0
Caregiver													
Yes (n=740)	30.2	[26.0, 34.8]	30.4	[26.6, 34.5]	17.2	[13.8, 21.2]	9.6	[7.3, 12.5]	4.0	[2.6, 5.9]	8.6	[6.0, 12.2]	740.0
No (n=1,830)	27.1	[24.6, 29.8]	27.1	[24.7, 29.6]	15.0	[12.8, 17.4]	16.5	[14.6, 18.6]	4.1	[3.2, 5.1]	10.3	[8.6, 12.2]	100.0
Homeless in last 12 months													
Yes (n=153)	20.8	[13.3, 30.9]	24.4	[16.7, 34.2]	25.2	[18.0, 34.1]	22.0	[15.7, 30.0]	2.1	[0.7, 6.0]	5.5	[2.6, 11.1]	100.0
No (n=2,423)	28.5	[26.2, 30.9]	28.4	[26.3, 30.5]	14.7	[12.8, 16.9]	13.9	[12.4, 15.6]	4.3	[3.5, 5.2]	10.2	[8.7, 12.0]	100.0
Veteran													
Yes (n=94)	21.0	[11.0, 36.3]	11.5	[5.3, 23.1]	15.2	[7.9, 27.0]	31.8	[21.3, 44.6]	13.6	[7.5, 23.4]	6.9	[2.7, 16.4]	100.0
No (n=2,484)	28.1	[25.9, 30.4]	28.7	[26.6, 30.9]	15.6	[13.7, 17.7]	14.0	[12.5, 15.6]	3.7	[3.0, 4.6]	9.9	[8.4, 11.6]	100.0
Health status													
Excellent/Very good/Good (n=1,930)	32.0	[29.3, 34.8]	30.8	[28.3, 33.3]	16.0	[13.8, 18.4]	6.8	[5.6, 8.2]	3.7	[2.9, 4.6]	10.8	[9.1, 12.8]	100.0
Fair/Poor (n=648)	15.1	[12.1, 18.6]	19.9	[16.6, 23.7]	14.3	[11.1, 18.3]	38.6	[34.2, 43.1]	5.3	[3.7, 7.7]	6.8	[4.6, 9.8]	100.0
Total (n=2,578)	27.9	[25.7, 30.2]	28.1	[26.1, 30.2]	15.6	[13.7, 17.6]	14.6	[13.1, 16.2]	4.1	[3.3, 5.0]	9.8	[8.4, 11.5]	100.0

0.4.5 Employment status, detailed by student status amount

	Full-time employment Row %	95% CI	Part-time employment Row %	95% CI	Out of work Row %	95% CI	Unable to work Row %	95% CI	Retired Row %	95% CI	Not looking for work Row %	95% CI	Total Row %
Student status													
Full-time (n=286)	22.6	[16.8, 29.8]	39.7	[33.3, 46.4]	9.8	[6.4, 14.8]	2.8	[1.1, 7.2]	0.0		25.0	[19.1, 32.1]	100.0
Part-time (n=105)	37.6	[26.3, 50.4]	31.4	[22.6, 41.8]	14.4	[7.1, 27.2]	4.1	[1.3, 11.9]	0.0		12.5	[6.6, 22.7]	100.0

Note: Restricted to those who are students.

0.4.6 Predictors of employed/self-employed

	Employed/Self-employed		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.37	[1.039, 1.795]	0.025
Homeless in last 12 months			
No		Reference	
Yes	0.95	[0.606, 1.491]	0.825
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.98	[1.452, 2.696]	0.000
Veteran			
No		Reference	
Yes	0.51	[0.253, 1.014]	0.055
Change in dental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	1.21	[0.915, 1.610]	0.178
Any preventive dental visit (DW)			
No		Reference	
Yes	0.76	[0.550, 1.041]	0.087
Any other dental visit (DW)			
No		Reference	
Yes	1.13	[0.836, 1.515]	0.435
Any eye visit (DW)			
No		Reference	
Yes	0.77	[0.597, 0.999]	0.049
Number of days missed due to poor physical or mental health			
0-13 days		Reference	
14+ days	0.46	[0.318, 0.666]	0.000
Number of days physical health not good	0.99	[0.972, 1.004]	0.141
Age			
19-35		Reference	
36-49	0.97	[0.714, 1.330]	0.872
50-64	0.44	[0.325, 0.595]	0.000
Gender			
Male		Reference	
Female	0.73	[0.563, 0.947]	0.018
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.51	[1.047, 2.164]	0.027
Hispanic	1.22	[0.767, 1.944]	0.400
Other, non-Hispanic	0.75	[0.482, 1.173]	0.209
FPL category			
0-35%		Reference	
36-99%	4.84	[3.702, 6.323]	0.000
100%+	6.80	[5.025, 9.212]	0.000
Region			
UP/NW/NE		Reference	
W/E Central/E	0.89	[0.649, 1.225]	0.480
S Central/SW/SE	1.05	[0.740, 1.483]	0.794
Detroit Metro	1.18	[0.827, 1.692]	0.357
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.89	[0.670, 1.181]	0.419
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.25	[0.835, 1.871]	0.278
Mental health condition	1.07	[0.804, 1.418]	0.650
Substance use disorder	0.95	[0.512, 1.772]	0.878
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.52	[1.164, 1.991]	0.002
Bachelor's/Post graduate degree	1.09	[0.737, 1.606]	0.670
Constant	0.48	[0.285, 0.806]	0.006
N	2,447		
F-value	15.323		
Model degrees of freedom	27.0		
Residual degrees of freedom	2,435.0		
F-value significance	0.000		

Notes: Multiple logistic regression. Bivariate tests for "Number of days physical health not good" are included in table 1.2.1.

0.5 HMP helped me do a better job at work

0.5.1 HMP helped me do a better job at work by selected characteristics

	HMP helped me do a better job at work				Total
	Yes		**No/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=593)	73.9	[68.9, 78.3]	26.1	[21.7, 31.1]	100.0
Associate's degree/Some college (n=550)	79.9	[75.1, 83.9]	20.1	[16.1, 24.9]	100.0
Bachelor's/Post graduate degree (n=175)	75.5	[66.8, 82.6]	24.5	[17.4, 33.2]	100.0
Pearson: Uncorrected chi2(2) =	5.9766				
Design-based F(1.98, 2586.69) =	1.8589	Pr =	0.156		
Caregiver					
Yes (n=427)	81.9	[77.0, 85.9]	18.1	[14.1, 23.0]	100.0
No (n=892)	74.4	[70.4, 78.0]	25.6	[22.0, 29.6]	100.0
Pearson: Uncorrected chi2(1) =	8.6467				
Design-based F(1.00, 1307.00) =	5.9024	Pr =	0.015		
Homeless in last 12 months					
Yes (n=57)	51.3	[34.9, 67.4]	48.7	[32.6, 65.1]	100.0
No (n=1,263)	78.4	[75.5, 81.1]	21.6	[18.9, 24.5]	100.0
Pearson: Uncorrected chi2(1) =	34.4970				
Design-based F(1.00, 1308.00) =	13.5399	Pr =	0.000		
Health status					
Excellent/Very good/Good (n=1,105)	77.4	[74.0, 80.5]	22.6	[19.5, 26.0]	100.0
Fair/Poor (n=217)	72.4	[64.1, 79.3]	27.6	[20.7, 35.9]	100.0
Pearson: Uncorrected chi2(1) =	2.4715				
Design-based F(1.00, 1310.00) =	1.5481	Pr =	0.214		
Number of days missed due to poor physical or mental health					
0-13 days (n=1,192)	76.0	[72.7, 79.1]	24.0	[20.9, 27.3]	100.0
14+ days (n=130)	83.0	[74.5, 89.1]	17.0	[10.9, 25.5]	100.0
Pearson: Uncorrected chi2(1) =	2.8030				
Design-based F(1.00, 1310.00) =	2.4543	Pr =	0.117		
Total (n=1,322)	76.6	[73.5, 79.5]	23.4	[20.5, 26.5]	100.0

Note: χ^2 test of independence.

0.5.2 HMP helped me do a better job at work by selected characteristics (continued)

| | HMP helped me do a better job at work | | | | |
| | Yes | | No/Don't know | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Change in physical health status since HMP enrollment					
Gotten better (n=651)	86.0	[82.1, 89.2]	14.0	[10.8, 17.9]	100.0
Stayed the same (n=614)	66.4	[61.5, 71.1]	33.6	[28.9, 38.5]	100.0
Gotten worse (n=51)	74.5	[58.9, 85.6]	25.5	[14.4, 41.1]	100.0
Pearson: Uncorrected chi2(2) =	68.2539				
Design-based F(1.89, 2463.72) =	23.9486	Pr =	0.000		
Change in mental health status since HMP enrollment					
Gotten better (n=514)	83.7	[78.6, 87.8]	16.3	[12.2, 21.4]	100.0
Stayed the same (n=761)	72.6	[68.4, 76.4]	27.4	[23.6, 31.6]	100.0
Gotten worse (n=41)	63.9	[45.7, 78.8]	36.1	[21.2, 54.3]	100.0
Pearson: Uncorrected chi2(2) =	25.3569				
Design-based F(1.97, 2562.90) =	7.4324	Pr =	0.001		
Change in dental health status since HMP enrollment					
Gotten better (n=487)	81.2	[76.0, 85.5]	18.8	[14.5, 24.0]	100.0
Stayed the same (n=687)	76.2	[71.8, 80.1]	23.8	[19.9, 28.2]	100.0
Gotten worse (n=136)	64.2	[53.7, 73.4]	35.8	[26.6, 46.3]	100.0
Pearson: Uncorrected chi2(2) =	16.7338				
Design-based F(1.98, 2574.54) =	5.1825	Pr =	0.006		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=727)	75.0	[70.7, 78.9]	25.0	[21.1, 29.3]	100.0
Uninsured all 12 months/Don't know (n=595)	78.5	[73.9, 82.5]	21.5	[17.5, 26.1]	100.0
Pearson: Uncorrected chi2(1) =	2.1788				
Design-based F(1.00, 1310.00) =	1.2572	Pr =	0.262		
Any preventive dental visit (DW)					
Yes (n=445)	81.5	[76.4, 85.7]	18.5	[14.3, 23.6]	100.0
No (n=877)	74.5	[70.5, 78.1]	25.5	[21.9, 29.5]	100.0
Pearson: Uncorrected chi2(1) =	7.7617				
Design-based F(1.00, 1310.00) =	4.9398	Pr =	0.026		
Any other dental visit (DW)					
Yes (n=584)	80.5	[75.9, 84.3]	19.5	[15.7, 24.1]	100.0
No (n=738)	73.9	[69.6, 77.8]	26.1	[22.2, 30.4]	100.0
Pearson: Uncorrected chi2(1) =	7.7335				
Design-based F(1.00, 1310.00) =	4.6966	Pr =	0.030		
Any eye visit (DW)					
Yes (n=483)	84.8	[80.4, 88.3]	15.2	[11.7, 19.6]	100.0
No (n=839)	73.0	[68.9, 76.7]	27.0	[23.3, 31.1]	100.0
Pearson: Uncorrected chi2(1) =	21.8324				
Design-based F(1.00, 1310.00) =	15.4997	Pr =	0.000		
Total (n=1,322)	76.6	[73.5, 79.5]	23.4	[20.5, 26.5]	100.0

Note: χ^2 test of independence.

0.5.3 Predictors of HMP helped me do a better job at work

	HMP helped me do a better job at work		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.27	[0.846, 1.898]	0.251
Homeless in last 12 months			
No		Reference	
Yes	0.28	[0.132, 0.601]	0.001
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.46	[0.849, 2.508]	0.171
Number of days physical health not good	1.00	[0.974, 1.033]	0.852
Number of days missed due to poor physical or mental health			
0-13 days		Reference	
14+ days	1.63	[0.795, 3.323]	0.183
Change in physical health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	3.16	[2.054, 4.847]	0.000
Change in mental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	1.67	[1.075, 2.583]	0.022
Change in dental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	0.91	[0.601, 1.366]	0.637
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.85	[0.569, 1.280]	0.444
Any preventive dental visit (DW)			
No		Reference	
Yes	1.20	[0.725, 1.979]	0.480
Any other dental visit (DW)			
No		Reference	
Yes	1.02	[0.644, 1.620]	0.928
Any eye visit (DW)			
No		Reference	
Yes	1.93	[1.270, 2.921]	0.002
Age			
19-35		Reference	
36-49	0.96	[0.648, 1.430]	0.849
50-64	0.83	[0.517, 1.334]	0.441
Gender			
Male		Reference	
Female	1.07	[0.740, 1.562]	0.704
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.49	[0.303, 0.779]	0.003
Hispanic	2.09	[0.933, 4.692]	0.073
Other, non-Hispanic	1.09	[0.566, 2.081]	0.805
FPL category			
0-35%		Reference	
36-99%	1.19	[0.768, 1.849]	0.433
100%+	1.15	[0.709, 1.874]	0.567
Region			
UP/NW/NE		Reference	
W/E Central/E	1.03	[0.619, 1.708]	0.913
S Central/SW/SE	0.56	[0.325, 0.974]	0.040
Detroit Metro	1.26	[0.726, 2.189]	0.411
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.16	[0.799, 1.684]	0.436
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	2.32	[0.989, 5.435]	0.053
Mental health condition	0.99	[0.668, 1.478]	0.975
Substance use disorder	1.76	[0.719, 4.306]	0.216
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.60	[1.087, 2.352]	0.017
Bachelor's/Post graduate degree	1.16	[0.676, 2.000]	0.586
Constant	0.80	[0.331, 1.914]	0.610
N	1,241		
F-value	3.378		
Model degrees of freedom	29.0		
Residual degrees of freedom	1,229.0		
F-value significance	0.000		

Notes: Multiple logistic regression. Bivariate tests for "Number of days physical health not good" are included in table 1.2.1.

0.6 HMP helped me get a better job

0.6.1 HMP helped me get a better job by selected characteristics

| | HMP helped me get a better job | | | | |
| | **Yes** | | **No/Don't know** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=115)	27.9	[18.2, 40.3]	72.1	[59.7, 81.8]	100.0
Associate's degree/Some college (n=136)	30.2	[21.3, 41.0]	69.8	[59.0, 78.7]	100.0
Bachelor's/Post graduate degree (n=42)	32.8	[19.6, 49.3]	67.2	[50.7, 80.4]	100.0
Pearson: Uncorrected chi2(2) =	0.3859				
Design-based F(1.93, 541.21) =	0.1286	Pr =	0.872		
Caregiver					
Yes (n=102)	32.6	[22.6, 44.5]	67.4	[55.5, 77.4]	100.0
No (n=191)	28.2	[20.5, 37.4]	71.8	[62.6, 79.5]	100.0
Pearson: Uncorrected chi2(1) =	0.6010				
Design-based F(1.00, 281.00) =	0.3865	Pr =	0.535		
Homeless in last 12 months					
Yes (n=22)	22.9	[8.3, 49.3]	77.1	[50.7, 91.7]	100.0
No (n=271)	30.4	[23.8, 37.9]	69.6	[62.1, 76.2]	100.0
Pearson: Uncorrected chi2(1) =	0.7121				
Design-based F(1.00, 281.00) =	0.3820	Pr =	0.537		
Health status					
Excellent/Very good/Good (n=249)	30.1	[23.3, 38.0]	69.9	[62.0, 76.7]	100.0
Fair/Poor (n=44)	26.5	[13.8, 44.7]	73.5	[55.3, 86.2]	100.0
Pearson: Uncorrected chi2(1) =	0.2172				
Design-based F(1.00, 281.00) =	0.1597	Pr =	0.690		
Number of days missed due to poor physical or mental health					
0-13 days (n=268)	28.6	[22.1, 36.1]	71.4	[63.9, 77.9]	100.0
14+ days (n=25)	43.9	[24.5, 65.2]	56.1	[34.8, 75.5]	100.0
Pearson: Uncorrected chi2(1) =	2.1311				
Design-based F(1.00, 281.00) =	1.9882	Pr =	0.160		
Total (n=293)	29.6	[23.4, 36.7]	70.4	[63.3, 76.6]	100.0

Note: χ^2 test of independence.

0.6.2 HMP helped me get a better job by selected characteristics (continued)

| | HMP helped me get a better job | | | | |
| | Yes | | No/Don't know | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Change in physical health status since HMP enrollment					
Gotten better (n=132)	41.3	[31.0, 52.4]	58.7	[47.6, 69.0]	100.0
Stayed the same (n=150)	19.0	[12.4, 27.9]	81.0	[72.1, 87.6]	100.0
Gotten worse (n=10)	24.8	[6.0, 63.2]	75.2	[36.8, 94.0]	100.0
Pearson: Uncorrected chi2(2) =	16.9898				
Design-based F(1.90, 531.14) =	6.6071	Pr =	0.002		
Change in mental health status since HMP enrollment					
Gotten better (n=111)	35.5	[24.5, 48.3]	64.5	[51.7, 75.5]	100.0
Stayed the same (n=164)	24.4	[17.1, 33.6]	75.6	[66.4, 82.9]	100.0
Gotten worse (n=16)	36.2	[15.4, 63.9]	63.8	[36.1, 84.6]	100.0
Pearson: Uncorrected chi2(2) =	4.3135				
Design-based F(1.98, 553.53) =	1.3623	Pr =	0.257		
Change in dental health status since HMP enrollment					
Gotten better (n=100)	36.3	[25.9, 48.3]	63.7	[51.7, 74.1]	100.0
Stayed the same (n=154)	27.2	[18.6, 37.9]	72.8	[62.1, 81.4]	100.0
Gotten worse (n=39)	22.1	[11.0, 39.6]	77.9	[60.4, 89.0]	100.0
Pearson: Uncorrected chi2(2) =	3.5865				
Design-based F(1.95, 547.57) =	1.2399	Pr =	0.290		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=168)	30.5	[22.0, 40.5]	69.5	[59.5, 78.0]	100.0
Uninsured all 12 months/Don't know (n=125)	28.5	[20.4, 38.4]	71.5	[61.6, 79.6]	100.0
Pearson: Uncorrected chi2(1) =	0.1264				
Design-based F(1.00, 281.00) =	0.0850	Pr =	0.771		
Any preventive dental visit (DW)					
Yes (n=91)	39.3	[26.8, 53.4]	60.7	[46.6, 73.2]	100.0
No (n=202)	25.6	[19.2, 33.2]	74.4	[66.8, 80.8]	100.0
Pearson: Uncorrected chi2(1) =	5.4710				
Design-based F(1.00, 281.00) =	3.5091	Pr =	0.062		
Any other dental visit (DW)					
Yes (n=109)	41.8	[29.7, 55.0]	58.2	[45.0, 70.3]	100.0
No (n=184)	22.3	[16.2, 29.8]	77.7	[70.2, 83.8]	100.0
Pearson: Uncorrected chi2(1) =	12.6083				
Design-based F(1.00, 281.00) =	7.6766	Pr =	0.006		
Any eye visit (DW)					
Yes (n=103)	32.9	[23.0, 44.6]	67.1	[55.4, 77.0]	100.0
No (n=190)	28.1	[20.5, 37.2]	71.9	[62.8, 79.5]	100.0
Pearson: Uncorrected chi2(1) =	0.7011				
Design-based F(1.00, 281.00) =	0.4741	Pr =	0.492		
Total (n=293)	29.6	[23.4, 36.7]	70.4	[63.3, 76.6]	100.0

Note: χ^2 test of independence.

0.6.3 Predictors of HMP helped me get a better job

	HMP helped me get a better job		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.09	[0.535, 2.232]	0.808
Homeless in last 12 months			
No		Reference	
Yes	0.61	[0.211, 1.750]	0.354
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.93	[0.301, 2.891]	0.903
Number of days physical health not good	1.03	[0.981, 1.090]	0.210
Number of days missed due to poor physical or mental health			
0-13 days		Reference	
14+ days	1.34	[0.445, 4.054]	0.599
Change in physical health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	3.45	[1.662, 7.154]	0.001
Change in mental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	1.35	[0.618, 2.939]	0.452
Change in dental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	0.98	[0.433, 2.230]	0.966
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.11	[0.584, 2.104]	0.751
Any preventive dental visit (DW)			
No		Reference	
Yes	0.89	[0.382, 2.052]	0.776
Any other dental visit (DW)			
No		Reference	
Yes	2.51	[1.145, 5.515]	0.022
Any eye visit (DW)			
No		Reference	
Yes	1.32	[0.614, 2.829]	0.478
Age			
19-35		Reference	
36-49	1.14	[0.407, 3.170]	0.807
50-64	1.94	[0.776, 4.859]	0.156
Gender			
Male		Reference	
Female	0.85	[0.431, 1.660]	0.625
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.92	[0.324, 2.616]	0.876
Hispanic	0.30	[0.107, 0.860]	0.025
Other, non-Hispanic	1.28	[0.406, 4.033]	0.672
FPL category			
0-35%		Reference	
36-99%	1.51	[0.652, 3.515]	0.334
100%+	1.31	[0.560, 3.052]	0.533
Region			
UP/NW/NE		Reference	
W/E Central/E	2.41	[0.867, 6.676]	0.092
S Central/SW/SE	1.32	[0.453, 3.874]	0.607
Detroit Metro	0.51	[0.163, 1.605]	0.249
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.59	[0.288, 1.214]	0.151
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	2.35	[0.762, 7.230]	0.136
Mental health condition	1.49	[0.639, 3.472]	0.355
Substance use disorder	1.32	[0.143, 12.200]	0.806
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.66	[0.291, 1.508]	0.325
Bachelor's/Post graduate degree	1.00	[0.334, 3.004]	0.997
Constant	0.10	[0.015, 0.596]	0.012
N	281		
F-value	2.021		
Model degrees of freedom	29.0		
Residual degrees of freedom	269.0		
F-value significance	0.002		

Notes: Multiple logistic regression. Bivariate tests for "Number of days physical health not good" are included in table 1.2.1.

0.7 HMP made me better able to look for a job

0.7.1 HMP made me better able to look for a job by selected characteristics

	HMP made me better able to look for a job				Total
	Yes		**No/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=137)	74.1	[64.2, 82.0]	25.9	[18.0, 35.8]	100.0
Associate's degree/Some college (n=74)	74.4	[60.7, 84.6]	25.6	[15.4, 39.3]	100.0
Bachelor's/Post graduate degree (n=28)	73.9	[52.7, 87.7]	26.1	[12.3, 47.3]	100.0
Pearson: Uncorrected chi2(2) =	0.0043				
Design-based F(1.89, 428.05) =	0.0017	Pr =	0.998		
Caregiver					
Yes (n=74)	70.1	[56.1, 81.2]	29.9	[18.8, 43.9]	100.0
No (n=163)	75.9	[67.3, 82.8]	24.1	[17.2, 32.7]	100.0
Pearson: Uncorrected chi2(1) =	0.8778				
Design-based F(1.00, 225.00) =	0.5996	Pr =	0.440		
Homeless in last 12 months					
Yes (n=34)	82.2	[65.7, 91.7]	17.8	[8.3, 34.3]	100.0
No (n=205)	72.8	[64.8, 79.6]	27.2	[20.4, 35.2]	100.0
Pearson: Uncorrected chi2(1) =	1.3430				
Design-based F(1.00, 227.00) =	1.2595	Pr =	0.263		
Health status					
Excellent/Very good/Good (n=182)	75.9	[67.5, 82.6]	24.1	[17.4, 32.5]	100.0
Fair/Poor (n=57)	67.8	[52.6, 80.0]	32.2	[20.0, 47.4]	100.0
Pearson: Uncorrected chi2(1) =	1.3341				
Design-based F(1.00, 227.00) =	1.0588	Pr =	0.305		
Number of days missed due to poor physical or mental health					
0-13 days (n=203)	77.1	[69.5, 83.3]	22.9	[16.7, 30.5]	100.0
14+ days (n=36)	56.4	[36.8, 74.1]	43.6	[25.9, 63.2]	100.0
Pearson: Uncorrected chi2(1) =	6.5107				
Design-based F(1.00, 227.00) =	4.6489	Pr =	0.032		
Total (n=239)	74.2	[67.0, 80.3]	25.8	[19.7, 33.0]	100.0

Note: χ^2 test of independence.

0.7.2 HMP made me better able to look for a job by selected characteristics (continued)

	HMP made me better able to look for a job				
	Yes		**No/Don't know**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Change in physical health status since HMP enrollment					
Gotten better (n=128)	81.8	[72.5, 88.5]	18.2	[11.5, 27.5]	100.0
Stayed the same (n=100)	67.6	[55.2, 78.0]	32.4	[22.0, 44.8]	100.0
Gotten worse (n=9)	23.5	[6.1, 59.1]	76.5	[40.9, 93.9]	100.0
Pearson: Uncorrected chi2(2) =	16.8939				
Design-based F(1.89, 425.46) =	7.0218	Pr =	0.001		
Change in mental health status since HMP enrollment					
Gotten better (n=84)	75.4	[63.6, 84.3]	24.6	[15.7, 36.4]	100.0
Stayed the same (n=139)	74.3	[64.1, 82.4]	25.7	[17.6, 35.9]	100.0
Gotten worse (n=16)	65.3	[37.6, 85.4]	34.7	[14.6, 62.4]	100.0
Pearson: Uncorrected chi2(2) =	0.7101				
Design-based F(1.98, 448.90) =	0.2685	Pr =	0.762		
Change in dental health status since HMP enrollment					
Gotten better (n=84)	77.2	[65.0, 86.1]	22.8	[13.9, 35.0]	100.0
Stayed the same (n=129)	75.5	[65.6, 83.3]	24.5	[16.7, 34.4]	100.0
Gotten worse (n=20)	52.2	[26.7, 76.6]	47.8	[23.4, 73.3]	100.0
Pearson: Uncorrected chi2(2) =	5.7673				
Design-based F(1.99, 439.84) =	1.9446	Pr =	0.144		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=119)	76.1	[65.8, 84.0]	23.9	[16.0, 34.2]	100.0
Uninsured all 12 months/Don't know (n=120)	72.4	[61.6, 81.1]	27.6	[18.9, 38.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4273				
Design-based F(1.00, 227.00) =	0.2884	Pr =	0.592		
Any preventive dental visit (DW)					
Yes (n=64)	74.1	[59.7, 84.7]	25.9	[15.3, 40.3]	100.0
No (n=175)	74.2	[65.5, 81.3]	25.8	[18.7, 34.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0001				
Design-based F(1.00, 227.00) =	0.0000	Pr =	0.995		
Any other dental visit (DW)					
Yes (n=99)	71.8	[59.9, 81.3]	28.2	[18.7, 40.1]	100.0
No (n=140)	75.7	[66.2, 83.2]	24.3	[16.8, 33.8]	100.0
Pearson: Uncorrected chi2(1) =	0.4446				
Design-based F(1.00, 227.00) =	0.3044	Pr =	0.582		
Any eye visit (DW)					
Yes (n=80)	78.2	[65.1, 87.3]	21.8	[12.7, 34.9]	100.0
No (n=159)	72.3	[63.2, 79.8]	27.7	[20.2, 36.8]	100.0
Pearson: Uncorrected chi2(1) =	0.9593				
Design-based F(1.00, 227.00) =	0.6514	Pr =	0.420		
Total (n=239)	74.2	[67.0, 80.3]	25.8	[19.7, 33.0]	100.0

Note: χ^2 test of independence.

0.7.3 Predictors of HMP made me better able to look for a job

	HMP made me better able to look for a job		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.02	[0.433, 2.423]	0.957
Homeless in last 12 months			
No		Reference	
Yes	2.60	[0.724, 9.308]	0.142
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.58	[0.218, 1.561]	0.282
Number of days physical health not good	0.93	[0.883, 0.988]	0.018
Number of days missed due to poor physical or mental health			
0-13 days		Reference	
14+ days	0.19	[0.053, 0.641]	0.008
Change in physical health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	6.98	[2.378, 20.514]	0.000
Change in mental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	0.45	[0.164, 1.260]	0.129
Change in dental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	1.03	[0.401, 2.630]	0.956
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	2.17	[0.877, 5.388]	0.093
Any preventive dental visit (DW)			
No		Reference	
Yes	0.94	[0.362, 2.457]	0.905
Any other dental visit (DW)			
No		Reference	
Yes	0.72	[0.293, 1.752]	0.463
Any eye visit (DW)			
No		Reference	
Yes	1.18	[0.411, 3.362]	0.762
Age			
19-35		Reference	
36-49	1.38	[0.473, 3.995]	0.557
50-64	2.47	[0.782, 7.776]	0.123
Gender			
Male		Reference	
Female	1.33	[0.548, 3.226]	0.527
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.57	[0.208, 1.565]	0.274
Hispanic	0.88	[0.180, 4.336]	0.879
Other, non-Hispanic	1.90	[0.479, 7.543]	0.359
FPL category			
0-35%		Reference	
36-99%	1.30	[0.520, 3.261]	0.572
100%+	1.41	[0.268, 7.445]	0.683
Region			
UP/NW/NE		Reference	
W/E Central/E	1.40	[0.405, 4.875]	0.591
S Central/SW/SE	1.01	[0.240, 4.280]	0.986
Detroit Metro	2.82	[0.704, 11.316]	0.142
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.66	[0.260, 1.663]	0.374
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.92	[0.478, 7.713]	0.356
Mental health condition	1.58	[0.618, 4.052]	0.337
Substance use disorder	16.92	[1.231, 232.579]	0.035
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.62	[0.245, 1.575]	0.314
Bachelor's/Post graduate degree	0.74	[0.178, 3.030]	0.669
Constant	1.17	[0.246, 5.589]	0.842
N	219		
F-value	1.259		
Model degrees of freedom	29.0		
Residual degrees of freedom	207.0		
F-value significance	0.184		

Notes: Multiple logistic regression. Bivariate tests for "Number of days physical health not good" are included in table 1.2.1.

1 **Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

1.1 Health status

1.1.1 Health status by selected characteristics

	Health status				Total
	Excellent/Very good/Good		Fair/Poor		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	69.8	[66.6, 72.9]	30.2	[27.1, 33.4]	100.0
Associate's degree/Some college (n=1,003)	79.7	[76.5, 82.5]	20.3	[17.5, 23.5]	100.0
Bachelor's/Post graduate degree (n=338)	85.1	[80.2, 89.0]	14.9	[11.0, 19.8]	100.0
Pearson: Uncorrected chi2(2) =	47.4021				
Design-based F(1.98, 5113.38) =	17.1614	Pr =	0.000		
Employed/Self-employed					
Yes (n=1,517)	84.7	[82.4, 86.7]	15.3	[13.3, 17.6]	100.0
No (n=1,078)	64.0	[60.4, 67.4]	36.0	[32.6, 39.6]	100.0
Pearson: Uncorrected chi2(1) =	148.8192				
Design-based F(1.00, 2583.00) =	101.9355	Pr =	0.000		
Caregiver					
Yes (n=746)	77.4	[73.5, 81.0]	22.6	[19.0, 26.5]	100.0
No (n=1,845)	75.0	[72.6, 77.3]	25.0	[22.7, 27.4]	100.0
Pearson: Uncorrected chi2(1) =	1.6230				
Design-based F(1.00, 2579.00) =	1.1001	Pr =	0.294		
Homeless in last 12 months					
Yes (n=155)	60.7	[51.5, 69.3]	39.3	[30.7, 48.5]	100.0
No (n=2,444)	76.9	[74.8, 78.9]	23.1	[21.1, 25.2]	100.0
Pearson: Uncorrected chi2(1) =	27.3010				
Design-based F(1.00, 2587.00) =	15.1110	Pr =	0.000		
Smoked or used tobacco in last 30 days					
Yes (n=855)	68.3	[64.3, 72.0]	31.7	[28.0, 35.7]	100.0
No (n=1,745)	79.5	[77.1, 81.7]	20.5	[18.3, 22.9]	100.0
Pearson: Uncorrected chi2(1) =	39.8103				
Design-based F(1.00, 2588.00) =	25.9234	Pr =	0.000		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	77.1	[74.4, 79.5]	22.9	[20.5, 25.6]	100.0
Uninsured all 12 months/Don't know (n=1,140)	73.8	[70.5, 76.8]	26.2	[23.2, 29.5]	100.0
Pearson: Uncorrected chi2(1) =	3.8193				
Design-based F(1.00, 2590.00) =	2.5454	Pr =	0.111		
Improved ability to get any type of care					
Yes (n=1,943)	75.8	[73.3, 78.0]	24.2	[22.0, 26.7]	100.0
No (n=659)	75.0	[70.9, 78.7]	25.0	[21.3, 29.1]	100.0
Pearson: Uncorrected chi2(1) =	0.1407				
Design-based F(1.00, 2590.00) =	0.0977	Pr =	0.755		
PCP visit in past 12 months					
Yes (n=1,952)	73.7	[71.2, 76.0]	26.3	[24.0, 28.8]	100.0
No (n=298)	87.6	[82.4, 91.5]	12.4	[8.5, 17.6]	100.0
Pearson: Uncorrected chi2(1) =	33.1899				
Design-based F(1.00, 2238.00) =	18.8611	Pr =	0.000		
Total (n=2,602)	75.6	[73.5, 77.5]	24.4	[22.5, 26.5]	100.0

Note: χ^2 test of independence.

1.1.2 Predictors of excellent/very good/good health status

	Excellent/Very good/Good health status			Fair/Poor health status		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Employed/self-employed						
No		Reference			Reference	
Yes	2.78	[2.083, 3.723]	0.000	0.36	[0.269, 0.480]	0.000
Caregiver						
No		Reference			Reference	
Yes	0.93	[0.685, 1.272]	0.662	1.07	[0.786, 1.460]	0.662
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.74	[0.461, 1.195]	0.219	1.35	[0.837, 2.171]	0.219
Smoked or used tobacco in last 30 days						
No		Reference			Reference	
Yes	0.80	[0.600, 1.071]	0.134	1.25	[0.934, 1.668]	0.134
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	1.00	[0.759, 1.320]	0.994	1.00	[0.758, 1.317]	0.994
Improved ability to get any type of care						
No		Reference			Reference	
Yes	1.13	[0.810, 1.585]	0.466	0.88	[0.631, 1.235]	0.466
PCP visit in past 12 months						
No		Reference			Reference	
Yes	0.70	[0.416, 1.189]	0.189	1.42	[0.841, 2.402]	0.189
Age						
19-35		Reference			Reference	
36-49	0.42	[0.299, 0.601]	0.000	2.36	[1.663, 3.340]	0.000
50-64	0.38	[0.273, 0.541]	0.000	2.60	[1.849, 3.669]	0.000
Gender						
Male		Reference			Reference	
Female	1.04	[0.778, 1.390]	0.792	0.96	[0.719, 1.286]	0.792
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.58	[0.388, 0.869]	0.008	1.72	[1.151, 2.575]	0.008
Hispanic	0.99	[0.555, 1.761]	0.969	1.01	[0.568, 1.802]	0.969
Other, non-Hispanic	0.67	[0.422, 1.061]	0.087	1.49	[0.943, 2.368]	0.087
FPL category						
0-35%		Reference			Reference	
36-99%	0.77	[0.565, 1.054]	0.103	1.30	[0.949, 1.770]	0.103
100%+	0.74	[0.518, 1.045]	0.086	1.36	[0.957, 1.932]	0.086
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.11	[0.775, 1.598]	0.561	0.90	[0.626, 1.290]	0.561
S Central/SW/SE	0.81	[0.553, 1.194]	0.290	1.23	[0.838, 1.807]	0.290
Detroit Metro	1.01	[0.672, 1.505]	0.979	0.99	[0.664, 1.489]	0.979
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.42	[0.294, 0.605]	0.000	2.37	[1.654, 3.397]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.24	[0.160, 0.356]	0.000	4.20	[2.810, 6.268]	0.000
Mental health condition	0.49	[0.361, 0.660]	0.000	2.05	[1.514, 2.770]	0.000
Substance use disorder	0.94	[0.485, 1.828]	0.858	1.06	[0.547, 2.063]	0.858
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.49	[1.126, 1.976]	0.005	0.67	[0.506, 0.888]	0.005
Bachelor's/Post graduate degree	2.24	[1.402, 3.571]	0.001	0.45	[0.280, 0.713]	0.001
Constant	15.60	[7.315, 33.259]	0.000	0.06	[0.030, 0.137]	0.000
N	2,176			2,176		
F-value	10.392			10.392		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	2,164.0			2,164.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

1.2 Number of days physical health not good

1.2.1 Number of days physical health not good by selected characteristics

	Number of days physical health not good			
	Mean	SE	95% CI	n
Highest level of education				
High school or less	6.5	0.34	[5.8, 7.2]	1,227
Associate's degree/Some college	6.1	0.41	[5.3, 6.9]	992
Bachelor's/Post graduate degree	5.3	0.60	[4.1, 6.5]	337
ANOVA results F(2, 2,544)= 1.52, p = 0.2182				
In school				
Yes	3.2	0.44	[2.3, 4.1]	393
No	6.9	0.28	[6.4, 7.5]	2,169
Two sample t-test results, difference= 3.71, 95% CI (2.68, 4.74) t(2,550)= 7.08, p < 0.001				
Caregiver				
Yes	5.8	0.43	[5.0, 6.7]	736
No	6.3	0.29	[5.7, 6.8]	1,819
Two sample t-test results, difference= 0.46, 95% CI (-0.55, 1.48) t(2,543)= 0.90, p = 0.369				
Homeless in last 12 months				
Yes	8.0	0.99	[6.0, 9.9]	152
No	6.0	0.25	[5.5, 6.5]	2,410
Two sample t-test results, difference= -1.98, 95% CI (-3.99, 0.02) t(2,550)= -1.93, p = 0.054				
Insurance status in 12 months prior to HMP				
Insured some or all 12 months	6.2	0.30	[5.7, 6.8]	1,445
Uninsured all 12 months/Don't know	6.1	0.39	[5.3, 6.9]	1,119
Two sample t-test results, difference= -0.16, 95% CI (-1.13, 0.82) t(2,552)= -0.31, p = 0.754				
Forgone health care in last 12 months				
Yes	11.3	1.05	[9.3, 13.4]	201
No	5.7	0.24	[5.2, 6.1]	2,354
Two sample t-test results, difference= -5.67, 95% CI (-7.80, -3.55) t(2,543)= -5.24, p < 0.001				
Improved ability to get any type of care				
Yes	6.4	0.29	[5.8, 6.9]	1915
No	5.6	0.44	[4.8, 6.5]	649
Two sample t-test results, difference= -0.73, 95% CI (-1.76, 0.31) t(2,552)= -1.38, p = 0.168				
Employed/Self-employed				
Yes	4.1	0.26	[3.6, 4.6]	1,499
No	8.8	0.43	[8.0, 9.7]	1,059
Two sample t-test results, difference= 4.74, 95% CI (3.76, 5.73) t(2,546)= 9.41, p < 0.001				
HMP helped me do a better job at work				
Yes	4.0	0.30	[3.5, 4.6]	1,018
No/Don't know	3.7	0.57	[2.6, 4.8]	287
Two sample t-test results, difference= -0.34, 95% CI (-1.60, 0.93) t(1,293)= -0.52, p = 0.604				
HMP made me better able to look for a job				
Yes	3.2	0.50	[2.2, 4.2]	171
No/Don't know	6.6	1.15	[4.4, 8.9]	62
Two sample t-test results, difference= 3.47, 95% CI (0.99, 5.94) t(221)= 2.76, p = 0.006				
HMP helped me get a better job				
Yes	4.7	0.96	[2.8, 6.6]	93
No/Don't know	3.2	0.54	[2.2, 4.3]	198
Two sample t-test results, difference= -1.51, 95% CI (-3.65, 0.63) t(279)= -1.39, p = 0.165				

1.2.2 Number of days physical health not good by employment status, detailed

| | Number of days physical health not good | | | |
	Mean	SE	95% CI	n
Employment status, detailed				
Full-time employment	3.7	0.38	[3.0, 4.4]	690
Part-time employment	4.5	0.35	[3.8, 5.2]	802
Out of work	3.9	0.44	[3.1, 4.8]	303
Unable to work	18.2	0.74	[16.8, 19.7]	387
Retired	7.3	1.07	[5.2, 9.4]	132
Not looking for work	3.4	0.70	[2.1, 4.8]	230

1.2.3 Number of days physical health not good by expected duration of HMP enrollment, among enrollees who are 19-62 years old

| | Number of days physical health not good | | | |
	Mean	SE	95% CI	n
Expected duration of HMP enrollment				
Less than 6 months	4.6	0.90	[2.8, 6.4]	141
6 months to a year	3.7	0.50	[2.7, 4.7]	263
1-2 years	4.4	0.56	[3.3, 5.5]	298
More than 2 years	7.2	0.56	[6.1, 8.3]	616
Don't know	7.0	0.38	[6.3, 7.7]	1,145

1.2.4 Predictors of number of days physical health not good

	Number of days physical health not good			Number of days physical health not good		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
In school						
No		Reference			Reference	
Yes	-0.99	[-2.208, 0.233]	0.113	-0.82	[-2.156, 0.524]	0.233
Caregiver						
No		Reference			Reference	
Yes	-0.50	[-1.503, 0.505]	0.330	0.54	[-0.765, 1.855]	0.415
Homeless in last 12 months						
No		Reference			Reference	
Yes	-0.65	[-2.352, 1.046]	0.451	-1.28	[-3.132, 0.571]	0.175
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	0.25	[-0.665, 1.174]	0.588	-0.23	[-1.223, 0.754]	0.642
Forgone health care in last 12 months						
No		Reference			Reference	
Yes	4.51	[2.615, 6.395]	0.000	2.05	[-0.029, 4.135]	0.053
Improved ability to get any type of care						
No		Reference			Reference	
Yes	-0.09	[-1.038, 0.860]	0.854	0.06	[-0.999, 1.124]	0.908
Employed/self-employed						
No		Reference				
Yes	-3.19	[-4.172,- 2.211]	0.000			
Age						
19-35		Reference			Reference	
36-49	2.51	[1.241, 3.770]	0.000	1.59	[0.189, 2.999]	0.026
50-64	3.21	[1.850, 4.563]	0.000	1.46	[0.077, 2.847]	0.039
Gender						
Male		Reference			Reference	
Female	0.02	[-0.884, 0.916]	0.972	0.87	[-0.128, 1.873]	0.087
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.05	[-1.315, 1.411]	0.945	-0.76	[-2.364, 0.846]	0.354
Hispanic	0.52	[-1.416, 2.462]	0.597	-0.79	[-2.474, 0.894]	0.358
Other, non-Hispanic	-0.52	[-1.910, 0.868]	0.462	-0.74	[-1.982, 0.503]	0.243
FPL category						
0-35%		Reference			Reference	
36-99%	-0.39	[-1.385, 0.595]	0.434	-0.22	[-1.424, 0.982]	0.719
100%+	-0.67	[-1.657, 0.321]	0.186	-0.38	[-1.597, 0.839]	0.541
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	-0.07	[-1.294, 1.144]	0.904	1.69	[0.396, 2.993]	0.011
S Central/SW/SE	0.16	[-1.164, 1.493]	0.808	0.52	[-0.767, 1.801]	0.430
Detroit Metro	-0.10	[-1.472, 1.268]	0.884	0.72	[-0.651, 2.094]	0.303
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	2.32	[1.362, 3.271]	0.000	1.49	[0.353, 2.620]	0.010
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	5.67	[3.984, 7.360]	0.000	3.34	[1.277, 5.409]	0.002
Mental health condition	1.98	[0.969, 2.988]	0.000	0.16	[-0.784, 1.108]	0.737
Substance use disorder	-0.08	[-2.161, 1.998]	0.939	1.74	[-1.476, 4.965]	0.288
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.76	[-0.310, 1.831]	0.164	0.14	[-1.134, 1.415]	0.828
Bachelor's/Post graduate degree	-0.88	[-2.128, 0.374]	0.169	-1.33	[-2.579,- 0.082]	0.037
HMP helped me do a better job at work						
No/Don't know					Reference	
Yes				-0.11	[-1.290, 1.068]	0.853
Constant	3.79	[2.011, 5.579]	0.000	1.36	[-0.660, 3.380]	0.187
N	2,470			1,259		
F-value	15.203			3.058		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	2,458.0			1,247.0		
F-value significance	0.000			0.000		

Notes: Multiple linear regression.

1.2.5 Predictors of number of days physical health not good (additional models)

	Number of days physical health not good			Number of days physical health not good		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
In school						
No		Reference			Reference	
Yes	-2.97	[-5.328,- 0.615]	0.014	-0.92	[-3.500, 1.657]	0.482
Caregiver						
No		Reference			Reference	
Yes	2.26	[0.105, 4.406]	0.040	-0.00	[-1.970, 1.961]	0.996
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.31	[-2.281, 2.903]	0.813	-2.10	[-4.271, 0.081]	0.059
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	0.18	[-1.612, 1.965]	0.846	-0.67	[-2.578, 1.241]	0.491
Forgone health care in last 12 months						
No		Reference			Reference	
Yes	2.88	[-1.093, 6.848]	0.155	2.75	[-1.097, 6.598]	0.160
Improved ability to get any type of care						
No		Reference			Reference	
Yes	-0.41	[-2.589, 1.768]	0.711	0.24	[-1.734, 2.215]	0.811
HMP made me better able to look for a job						
No/Don't know		Reference				
Yes	-3.08	[-5.197,- 0.953]	0.005			
Age						
19-35		Reference			Reference	
36-49	-2.60	[-4.662,- 0.531]	0.014	1.42	[-1.377, 4.210]	0.319
50-64	1.40	[-1.210, 4.002]	0.292	0.10	[-3.004, 3.200]	0.950
Gender						
Male		Reference			Reference	
Female	0.84	[-0.902, 2.580]	0.343	1.83	[-0.164, 3.834]	0.072
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.48	[-0.033, 4.992]	0.053	0.79	[-2.495, 4.071]	0.637
Hispanic	1.57	[-2.384, 5.527]	0.434	0.31	[-2.279, 2.895]	0.815
Other, non-Hispanic	2.29	[-0.548, 5.120]	0.113	-1.55	[-4.020, 0.922]	0.218
FPL category						
0-35%		Reference			Reference	
36-99%	-0.59	[-3.216, 2.041]	0.660	-0.65	[-2.922, 1.632]	0.577
100%+	2.06	[-2.396, 6.511]	0.364	0.16	[-2.202, 2.526]	0.893
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.48	[-1.929, 2.893]	0.694	2.30	[-0.685, 5.281]	0.130
S Central/SW/SE	1.47	[-1.783, 4.721]	0.374	0.63	[-1.849, 3.108]	0.617
Detroit Metro	0.96	[-1.657, 3.575]	0.471	-0.26	[-3.037, 2.512]	0.852
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	-0.39	[-2.235, 1.461]	0.680	2.62	[0.535, 4.714]	0.014
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	2.99	[-0.305, 6.278]	0.075	1.25	[-2.406, 4.910]	0.501
Mental health condition	1.66	[-0.389, 3.704]	0.112	-2.39	[-4.457,- 0.330]	0.023
Substance use disorder	0.79	[-2.328, 3.909]	0.618	1.28	[-8.942, 11.509]	0.805
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	-0.38	[-2.086, 1.326]	0.661	0.37	[-1.971, 2.713]	0.755
Bachelor's/Post graduate degree	0.68	[-3.063, 4.422]	0.721	-1.40	[-4.307, 1.515]	0.346
HMP helped me get a better job						
No/Don't know					Reference	
Yes				1.41	[-0.892, 3.708]	0.229
Constant	3.65	[0.734, 6.560]	0.014	1.56	[-2.231, 5.346]	0.419
N	223			284		
F-value	2.664			0.887		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	211.0			272.0		
F-value significance	0.000			0.620		

Notes: Multiple linear regression.

1.3 Change in physical health status since HMP enrollment

1.3.1 Change in physical health status since HMP enrollment by selected characteristics

	Gotten better Row %	95% CI	Stayed the same Row %	95% CI	Gotten worse Row %	95% CI	Total Row %
Highest level of education							
High school or less (n=1,239)	49.6	[46.0, 53.1]	45.4	[41.9, 49.0]	5.0	[3.8, 6.6]	100.0
Associate's degree/Some college (n=998)	48.7	[44.7, 52.7]	45.3	[41.4, 49.2]	6.0	[4.5, 7.9]	100.0
Bachelor's/Post graduate degree (n=338)	39.0	[33.0, 45.4]	53.3	[46.8, 59.7]	7.7	[4.5, 12.9]	100.0
Pearson: Uncorrected chi2(4) =	12.9900						
Design-based F(3.92, 10048.60) =	2.1015	Pr =	0.079				
Caregiver							
Yes (n=739)	53.7	[49.0, 58.3]	41.9	[37.5, 46.5]	4.4	[2.8, 6.8]	100.0
No (n=1,834)	46.0	[43.1, 48.9]	47.7	[44.9, 50.6]	6.3	[5.1, 7.7]	100.0
Pearson: Uncorrected chi2(2) =	13.1374						
Design-based F(2.00, 5119.49) =	4.1522	Pr =	0.016				
Homeless in last 12 months							
Yes (n=153)	57.9	[48.4, 66.9]	33.9	[25.6, 43.3]	8.1	[4.6, 13.8]	100.0
No (n=2,428)	47.2	[44.7, 49.7]	47.3	[44.7, 49.8]	5.6	[4.6, 6.8]	100.0
Pearson: Uncorrected chi2(2) =	14.0506						
Design-based F(1.95, 5018.52) =	4.1833	Pr =	0.016				
Smoked or used tobacco in last 30 days							
Yes (n=847)	50.0	[45.7, 54.4]	43.4	[39.2, 47.8]	6.5	[4.9, 8.6]	100.0
No (n=1,735)	47.0	[44.1, 50.0]	47.6	[44.7, 50.6]	5.4	[4.2, 6.9]	100.0
Pearson: Uncorrected chi2(2) =	4.7307						
Design-based F(1.98, 5076.23) =	1.5316	Pr =	0.217				
Total (n=2,583)	48.0	[45.6, 50.5]	46.2	[43.8, 48.6]	5.8	[4.8, 6.9]	100.0

Note: χ^2 test of independence.

1.3.2 Change in physical health status since HMP enrollment by selected characteristics (continued)

	Change in physical health status since HMP enrollment						Total
	Gotten better		**Stayed the same**		**Gotten worse**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,450)	38.6	[35.4, 41.9]	54.4	[51.1, 57.7]	7.0	[5.5, 8.7]	100.0
Uninsured all 12 months/Don't know (n=1,133)	59.2	[55.5, 62.8]	36.5	[33.0, 40.1]	4.3	[3.1, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	108.7621						
Design-based F(1.99, 5119.72) =	34.8416	Pr =	0.000				
Reduction in forgone health care							
Yes (n=558)	67.8	[62.7, 72.5]	26.2	[21.8, 31.1]	6.0	[3.9, 9.1]	100.0
No (n=2,025)	43.2	[40.4, 46.0]	51.1	[48.3, 53.9]	5.7	[4.6, 7.0]	100.05
Pearson: Uncorrected chi2(2) =	106.7492						
Design-based F(2.00, 5141.84) =	35.6338	Pr =	0.000				
Improved ability to get any type of care							
Yes (n=1,931)	56.7	[53.8, 59.5]	38.1	[35.4, 40.9]	5.2	[4.1, 6.6]	100.0
No (n=652)	22.6	[18.6, 27.2]	70.0	[65.3, 74.4]	7.4	[5.4, 10.1]	100.0
Pearson: Uncorrected chi2(2) =	229.9259						
Design-based F(1.97, 5060.71) =	72.8511	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=1,937)	50.9	[48.1, 53.7]	42.1	[39.4, 44.9]	7.0	[5.7, 8.5]	100.07
No (n=295)	39.3	[32.3, 46.8]	59.2	[51.7, 66.3]	1.5	[0.5, 4.7]	100.0
Pearson: Uncorrected chi2(2) =	43.6855						
Design-based F(2.00, 4435.30) =	10.9929	Pr =	0.000				
Total (n=2,583)	48.0	[45.6, 50.5]	46.2	[43.8, 48.6]	5.8	[4.8, 6.9]	100.0

Note: χ^2 test of independence.

1.3.3 Predictors of physical health status got better since HMP enrollment

	Physical health status got better since HMP enrollment		
	aOR	95% CI	p-value
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.08	[0.831, 1.405]	0.562
Bachelor's/Post graduate degree	0.90	[0.614, 1.313]	0.578
Caregiver			
No		Reference	
Yes	1.16	[0.887, 1.510]	0.281
Homeless in last 12 months			
No		Reference	
Yes	1.57	[0.975, 2.523]	0.064
Smoked or used tobacco in last 30 days			
No		Reference	
Yes	0.98	[0.745, 1.296]	0.898
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.50	[0.385, 0.641]	0.000
Reduction in forgone health care			
No		Reference	
Yes	2.04	[1.502, 2.760]	0.000
Improved ability to get any type of care			
No		Reference	
Yes	3.29	[2.399, 4.501]	0.000
PCP visit in past 12 months			
No		Reference	
Yes	1.64	[1.115, 2.423]	0.012
Age			
19-35		Reference	
36-49	0.80	[0.599, 1.078]	0.144
50-64	0.81	[0.595, 1.110]	0.192
Gender			
Male		Reference	
Female	0.81	[0.632, 1.044]	0.104
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.30	[0.907, 1.873]	0.151
Hispanic	1.16	[0.765, 1.764]	0.481
Other, non-Hispanic	0.92	[0.611, 1.372]	0.668
FPL category			
0-35%		Reference	
36-99%	0.88	[0.673, 1.159]	0.370
100%+	0.80	[0.602, 1.069]	0.133
Region			
UP/NW/NE		Reference	
W/E Central/E	1.11	[0.812, 1.514]	0.517
S Central/SW/SE	1.49	[1.051, 2.100]	0.025
Detroit Metro	1.41	[0.993, 2.009]	0.055
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.35	[1.027, 1.782]	0.032
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.76	[0.503, 1.150]	0.194
Mental health condition	0.90	[0.695, 1.175]	0.451
Substance use disorder	1.28	[0.694, 2.355]	0.431
Constant	0.26	[0.138, 0.492]	0.000
N	2,163		
F-value	6.993		
Model degrees of freedom	24.0		
Residual degrees of freedom	2,151.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

1.4 Number of days mental health not good

1.4.1 Number of days mental health not good by selected characteristics

	Mean	SE	95% CI	n
			Number of days mental health not good	
Highest level of education				
High school or less	6.3	0.37	[5.6, 7.0]	1,221
Associate's degree/Some college	5.9	0.36	[5.2, 6.6]	981
Bachelor's/Post graduate degree	4.4	0.55	[3.4, 5.5]	336
ANOVA results F(2, 2,526)= 3.98, p = 0.0188				
In school				
Yes	4.2	0.46	[3.3, 5.1]	388
No	6.3	0.27	[5.8, 6.9]	2,155
Two sample t-test results, difference= 2.17, 95% CI (1.13, 3.21) t(2,531)= 4.10, p < 0.001				
Caregiver				
Yes	6.6	0.46	[5.7, 7.5]	734
No	5.6	0.27	[5.1, 6.2]	1,803
Two sample t-test results, difference= -0.95, 95% CI (-2.01, 0.11) t(2,525)= -1.75, p = 0.080				
Homeless in last 12 months				
Yes	10.0	1.09	[7.9, 12.2]	153
No	5.5	0.24	[5.1, 6.0]	2,390
Two sample t-test results, difference= -4.50, 95% CI (-6.70, -2.31) t(2,531)= -4.02, p < 0.001				
Insurance status in 12 months prior to HMP				
Insured some or all 12 months	6.0	0.32	[5.3, 6.6]	1,432
Uninsured all 12 months/Don't know	5.8	0.35	[5.1, 6.5]	1,113
Two sample t-test results, difference= -0.17, 95% CI (-1.11, 0.77) t(2,533)= -0.35, p = 0.726				
Forgone health care in last 12 months				
Yes	10.4	1.01	[8.4, 12.4]	197
No	5.5	0.24	[5.0, 6.0]	2,339
Two sample t-test results, difference= -4.86, 95% CI (-6.90, -2.82) t(2,524)= -4.67, p < 0.001				
Improved ability to get any type of care				
Yes	6.2	0.28	[5.6, 6.7]	1901
No	5.2	0.45	[4.3, 6.0]	644
Two sample t-test results, difference= -0.99, 95% CI (-2.02, 0.04) t(2,533)= -1.88, p = 0.060				
Employed/Self-employed				
Yes	4.6	0.26	[4.1, 5.1]	1,491
No	7.6	0.42	[6.8, 8.5]	1,048
Two sample t-test results, difference= 3.06, 95% CI (2.09, 4.03) t(2,527)= 6.19, p < 0.001				
HMP helped me do a better job at work				
Yes	4.5	0.31	[3.9, 5.1]	1,020
No/Don't know	4.6	0.59	[3.5, 5.8]	281
Two sample t-test results, difference= 0.16, 95% CI (-1.15, 1.47) t(1,289)= 0.24, p = 0.814				
HMP made me better able to look for a job				
Yes	5.1	0.84	[3.4, 6.7]	173
No/Don't know	10.0	2.02	[6.0, 14.0]	62
Two sample t-test results, difference= 4.95, 95% CI (0.63, 9.27) t(223)= 2.26, p = 0.025				
HMP helped me get a better job				
Yes	4.1	0.84	[2.4, 5.7]	92
No/Don't know	4.7	0.68	[3.3, 6.0]	193
Two sample t-test results, difference= 0.57, 95% CI (-1.56, 2.70) t(273)= 0.53, p = 0.598				

1.4.2 Number of days mental health not good by employment status, detailed

	Number of days mental health not good			
	Mean	SE	95% CI	n
Employment status, detailed				
Full-time employment	4.0	0.36	[3.3, 4.7]	688
Part-time employment	5.2	0.37	[4.4, 5.9]	796
Out of work	6.1	0.72	[4.7, 7.5]	305
Unable to work	12.9	0.81	[11.3, 14.4]	378
Retired	4.4	0.89	[2.6, 6.1]	132
Not looking for work	4.0	0.64	[2.7, 5.3]	224

1.4.3 Number of days mental health not good by expected duration of HMP enrollment, among enrollees who are 19-62 years old

	Number of days mental health not good			
	Mean	SE	95% CI	n
Expected duration of HMP enrollment				
Less than 6 months	4.8	0.77	[3.3, 6.3]	140
6 months to a year	5.9	0.68	[4.5, 7.2]	261
1-2 years	4.4	0.63	[3.2, 5.7]	291
More than 2 years	6.8	0.53	[5.8, 7.9]	614
Don't know	6.0	0.36	[5.3, 6.7]	1,138

1.4.4 Predictors of number of days mental health not good

	Number of days mental health not good			Number of days mental health not good		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
In school						
No		Reference			Reference	
Yes	-0.62	[-1.911, 0.679]	0.351	0.42	[-1.169, 2.013]	0.603
Caregiver						
No		Reference			Reference	
Yes	0.66	[-0.362, 1.692]	0.204	0.50	[-0.658, 1.662]	0.396
Homeless in last 12 months						
No		Reference			Reference	
Yes	2.44	[0.417, 4.464]	0.018	2.46	[-0.234, 5.160]	0.073
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	-0.29	[-1.253, 0.667]	0.550	-0.58	[-1.720, 0.560]	0.318
Forgone health care in last 12 months						
No		Reference			Reference	
Yes	3.79	[1.864, 5.724]	0.000	1.33	[-0.522, 3.186]	0.159
Improved ability to get any type of care						
No		Reference			Reference	
Yes	0.01	[-1.017, 1.031]	0.989	-0.52	[-1.731, 0.689]	0.399
Employed/self-employed						
No		Reference				
Yes	-1.99	[-2.949,- 1.025]	0.000			
Age						
19-35		Reference			Reference	
36-49	-0.22	[-1.359, 0.919]	0.704	-0.00	[-1.219, 1.213]	0.996
50-64	-0.55	[-1.854, 0.760]	0.412	-0.54	[-1.915, 0.830]	0.438
Gender						
Male		Reference			Reference	
Female	1.48	[0.572, 2.389]	0.001	1.73	[0.623, 2.836]	0.002
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.41	[-0.864, 1.683]	0.528	-0.32	[-1.730, 1.090]	0.656
Hispanic	-0.79	[-2.517, 0.939]	0.371	-1.97	[-3.599,- 0.348]	0.017
Other, non-Hispanic	-0.68	[-2.032, 0.675]	0.326	-0.50	[-2.525, 1.526]	0.628
FPL category						
0-35%		Reference			Reference	
36-99%	-0.95	[-1.912, 0.014]	0.054	0.06	[-1.209, 1.328]	0.927
100%+	-1.50	[-2.564,- 0.438]	0.006	-1.12	[-2.407, 0.176]	0.091
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.61	[-0.561, 1.780]	0.307	2.46	[1.216, 3.696]	0.000
S Central/SW/SE	1.63	[0.243, 3.023]	0.021	1.82	[0.322, 3.317]	0.017
Detroit Metro	0.70	[-0.582, 1.992]	0.283	1.44	[0.132, 2.749]	0.031
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.55	[-0.393, 1.489]	0.253	0.69	[-0.368, 1.751]	0.201
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	8.50	[6.787, 10.219]	0.000	5.50	[3.487, 7.511]	0.000
Mental health condition	5.21	[4.186, 6.242]	0.000	4.63	[3.392, 5.862]	0.000
Substance use disorder	-0.16	[-1.989, 1.662]	0.861	-0.22	[-2.341, 1.894]	0.836
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.34	[-0.657, 1.328]	0.508	0.67	[-0.545, 1.882]	0.280
Bachelor's/Post graduate degree	-1.14	[-2.407, 0.119]	0.076	-0.66	[-1.953, 0.624]	0.312
HMP helped me do a better job at work						
No/Don't know					Reference	
Yes				-0.58	[-1.736, 0.570]	0.322
Constant	2.79	[1.012, 4.578]	0.002	0.62	[-1.278, 2.515]	0.523
N	2,457			1,257		
F-value	14.672			6.067		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	2,445.0			1,245.0		
F-value significance	0.000			0.000		

Notes: Multiple linear regression.

1.4.5 Predictors of number of days mental health not good (additional models)

	Number of days mental health not good			Number of days mental health not good		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
In school						
No		Reference			Reference	
Yes	-0.44	[-5.281, 4.409]	0.859	0.73	[-2.062, 3.522]	0.607
Caregiver						
No		Reference			Reference	
Yes	3.53	[0.232, 6.821]	0.036	-0.06	[-2.105, 1.983]	0.953
Homeless in last 12 months						
No		Reference			Reference	
Yes	-1.14	[-5.113, 2.830]	0.572	-1.43	[-4.992, 2.129]	0.429
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	1.02	[-1.718, 3.766]	0.462	-2.12	[-4.347, 0.098]	0.061
Forgone health care in last 12 months						
No		Reference			Reference	
Yes	1.88	[-6.319, 10.085]	0.651	0.81	[-2.992, 4.604]	0.676
Improved ability to get any type of care						
No		Reference			Reference	
Yes	2.12	[-1.380, 5.620]	0.234	-1.24	[-3.550, 1.070]	0.291
HMP made me better able to look for a job						
No/Don't know		Reference				
Yes	-3.99	[-7.104, -0.870]	0.012			
Age						
19-35		Reference			Reference	
36-49	-4.69	[-8.341, -1.045]	0.012	-0.46	[-3.266, 2.346]	0.747
50-64	-2.54	[-6.540, 1.460]	0.212	-0.97	[-3.652, 1.712]	0.477
Gender						
Male		Reference			Reference	
Female	1.36	[-1.711, 4.432]	0.384	1.03	[-1.181, 3.245]	0.359
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-1.43	[-5.106, 2.239]	0.442	2.13	[-1.000, 5.267]	0.181
Hispanic	-1.71	[-7.149, 3.728]	0.536	-1.40	[-4.761, 1.960]	0.413
Other, non-Hispanic	-3.02	[-6.899, 0.866]	0.127	0.40	[-2.394, 3.189]	0.779
FPL category						
0-35%		Reference			Reference	
36-99%	-3.19	[-6.507, 0.122]	0.059	0.22	[-2.206, 2.651]	0.857
100%+	0.44	[-5.861, 6.741]	0.891	-1.02	[-3.678, 1.645]	0.453
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.09	[-3.612, 3.791]	0.962	0.09	[-2.641, 2.815]	0.950
S Central/SW/SE	4.50	[0.017, 8.976]	0.049	0.57	[-2.411, 3.557]	0.706
Detroit Metro	3.35	[-0.665, 7.365]	0.102	0.35	[-2.479, 3.185]	0.806
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	-1.14	[-4.054, 1.765]	0.439	-1.22	[-3.359, 0.922]	0.263
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	9.78	[5.300, 14.269]	0.000	2.63	[0.149, 5.105]	0.038
Mental health condition	2.15	[-1.891, 6.195]	0.295	6.69	[3.945, 9.429]	0.000
Substance use disorder	3.71	[-3.548, 10.977]	0.314	4.57	[-4.551, 13.682]	0.325
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	-2.74	[-5.678, 0.192]	0.067	1.89	[-0.570, 4.348]	0.132
Bachelor's/Post graduate degree	1.00	[-4.159, 6.164]	0.702	1.00	[-1.406, 3.406]	0.414
HMP helped me get a better job						
No/Don't know					Reference	
Yes				-0.92	[-2.877, 1.038]	0.356
Constant	5.71	[-0.724, 12.138]	0.082	2.86	[-0.524, 6.249]	0.097
N	225			278		
F-value	3.239			2.082		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	213.0			266.0		
F-value significance	0.000			0.003		

Notes: Multiple linear regression.

1.5 Change in mental health status since HMP enrollment

1.5.1 Change in mental health status since HMP enrollment by selected characteristics

	Gotten better Row %	95% CI	Stayed the same Row %	95% CI	Gotten worse Row %	95% CI	Total Row %
Highest level of education							
High school or less (n=1,245)	34.7	[31.3, 38.2]	60.1	[56.6, 63.6]	5.2	[3.9, 6.9]	100.0
Associate's degree/Some college (n=996)	36.0	[32.2, 40.0]	58.3	[54.3, 62.2]	5.7	[4.2, 7.5]	100.0
Bachelor's/Post graduate degree (n=335)	34.0	[28.1, 40.3]	60.2	[53.7, 66.4]	5.8	[3.4, 9.8]	100.0
Pearson: Uncorrected chi2(4) =	1.1143						
Design-based F(3.96, 10148.55) =	0.1895	Pr =	0.943				
Caregiver							
Yes (n=743)	39.7	[35.2, 44.4]	52.1	[47.4, 56.7]	8.2	[6.0, 11.1]	100.0
No (n=1,832)	33.5	[30.7, 36.3]	62.2	[59.3, 64.9]	4.4	[3.4, 5.6]	100.0
Pearson: Uncorrected chi2(2) =	27.9261						
Design-based F(1.99, 5103.72) =	9.1296	Pr =	0.000				
Homeless in last 12 months							
Yes (n=154)	43.5	[34.2, 53.2]	49.9	[40.4, 59.5]	6.6	[3.4, 12.3]	100.0
No (n=2,428)	34.5	[32.1, 37.0]	60.2	[57.7, 62.6]	5.3	[4.4, 6.5]	100.0
Pearson: Uncorrected chi2(2) =	8.3289						
Design-based F(1.97, 5057.12) =	2.3266	Pr =	0.099				
Smoked or used tobacco in last 30 days							
Yes (n=850)	38.8	[34.6, 43.2]	54.1	[49.7, 58.4]	7.1	[5.3, 9.3]	100.0
No (n=1,733)	33.3	[30.6, 36.2]	62.1	[59.2, 64.9]	4.6	[3.5, 5.9]	100.0
Pearson: Uncorrected chi2(2) =	17.9077						
Design-based F(1.98, 5077.96) =	5.7104	Pr =	0.003				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,449)	31.6	[28.6, 34.7]	61.6	[58.3, 64.7]	6.8	[5.4, 8.6]	100.0
Uninsured all 12 months/Don't know (n=1,135)	39.4	[35.8, 43.2]	56.8	[53.0, 60.4]	3.8	[2.7, 5.3]	100.0
Pearson: Uncorrected chi2(2) =	24.7179						
Design-based F(1.99, 5106.26) =	8.0070	Pr =	0.000				
Total (n=2,584)	35.2	[32.8, 37.6]	59.4	[56.9, 61.8]	5.4	[4.5, 6.6]	100.0

Note: χ^2 test of independence.

1.5.2 Change in mental health status since HMP enrollment by selected characteristics (continued)

	Gotten better		Stayed the same		Gotten worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Reduction in forgone health care							
Yes (n=556)	51.8	[46.6, 56.9]	43.2	[38.2, 48.4]	5.0	[3.3, 7.6]	100.0
No (n=2,028)	31.1	[28.5, 33.8]	63.3	[60.6, 66.0]	5.6	[4.5, 6.9]	100.08
Pearson: Uncorrected chi2(2) =	77.8028						
Design-based F(1.99, 5115.69) =	27.8176	Pr =	0.000				
Improved ability to get any type of care							
Yes (n=1,928)	39.9	[37.1, 42.7]	55.2	[52.3, 58.0]	4.9	[3.9, 6.3]	100.0
No (n=656)	21.4	[17.3, 26.2]	71.7	[66.9, 76.0]	6.9	[5.1, 9.4]	100.0
Pearson: Uncorrected chi2(2) =	73.5711						
Design-based F(1.93, 4953.80) =	22.8566	Pr =	0.000				
Knowledge that mental health counseling is covered							
Yes (n=1,511)	37.9	[34.8, 41.1]	55.8	[52.5, 59.0]	6.3	[5.1, 7.9]	100.0
No/Don't know (n=1,073)	31.4	[28.0, 35.1]	64.4	[60.6, 67.9]	4.2	[2.9, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	20.4309						
Design-based F(1.99, 5129.41) =	6.4114	Pr =	0.002				
PCP visit in past 12 months							
Yes (n=1,940)	36.6	[34.0, 39.4]	57.9	[55.1, 60.6]	5.5	[4.5, 6.8]	100.40
No (n=296)	32.9	[26.2, 40.4]	65.1	[57.5, 71.9]	2.0	[0.7, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	11.4438						
Design-based F(2.00, 4437.42) =	2.5960	Pr =	0.075				
Total (n=2,584)	35.2	[32.8, 37.6]	59.4	[56.9, 61.8]	5.4	[4.5, 6.6]	100.0

Note: χ^2 test of independence.

1.5.3 Predictors of mental health status got better since HMP enrollment

	Mental health status got better since HMP enrollment		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.12	[0.855, 1.464]	0.413
Homeless in last 12 months			
No		Reference	
Yes	1.27	[0.772, 2.100]	0.343
Smoked or used tobacco in last 30 days			
No		Reference	
Yes	1.19	[0.896, 1.570]	0.234
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.75	[0.577, 0.984]	0.038
Reduction in forgone health care			
No		Reference	
Yes	1.80	[1.361, 2.381]	0.000
Improved ability to get any type of care			
No		Reference	
Yes	2.11	[1.518, 2.920]	0.000
Knowledge that mental health counseling is covered			
No/Don't know		Reference	
Yes	1.19	[0.917, 1.546]	0.191
PCP visit in past 12 months			
No		Reference	
Yes	0.99	[0.669, 1.461]	0.953
Age			
19-35		Reference	
36-49	0.84	[0.614, 1.153]	0.283
50-64	0.90	[0.656, 1.228]	0.499
Gender			
Male		Reference	
Female	0.90	[0.702, 1.158]	0.416
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.05	[0.714, 1.529]	0.820
Hispanic	1.42	[0.920, 2.178]	0.114
Other, non-Hispanic	0.88	[0.580, 1.335]	0.549
FPL category			
0-35%		Reference	
36-99%	1.09	[0.830, 1.434]	0.534
100%+	0.81	[0.598, 1.087]	0.158
Region			
UP/NW/NE		Reference	
W/E Central/E	0.81	[0.599, 1.084]	0.154
S Central/SW/SE	0.94	[0.678, 1.313]	0.730
Detroit Metro	0.81	[0.575, 1.153]	0.246
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.96	[0.714, 1.283]	0.768
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.46	[0.950, 2.232]	0.084
Mental health condition	2.03	[1.529, 2.693]	0.000
Substance use disorder	0.61	[0.321, 1.146]	0.124
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.17	[0.896, 1.529]	0.248
Bachelor's/Post graduate degree	1.13	[0.779, 1.634]	0.523
Constant	0.24	[0.130, 0.450]	0.000
N	2,167		
F-value	5.235		
Model degrees of freedom	25.0		
Residual degrees of freedom	2,155.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

1.6 Change in dental health status since HMP enrollment

1.6.1 Change in dental health status since HMP enrollment by selected characteristics

	Gotten better Row %	95% CI	Stayed the same Row %	95% CI	Gotten worse Row %	95% CI	Total Row %
Highest level of education							
High school or less (n=1,232)	36.3	[32.9, 39.8]	52.0	[48.4, 55.5]	11.7	[9.6, 14.2]	100.0
Associate's degree/Some college (n=989)	35.0	[31.3, 38.8]	55.9	[51.9, 59.8]	9.1	[7.2, 11.5]	100.0
Bachelor's/Post graduate degree (n=335)	27.1	[21.8, 33.1]	62.7	[56.4, 68.7]	10.2	[7.1, 14.4]	100.0
Pearson: Uncorrected chi2(4) =	15.3177						
Design-based F(3.94, 10017.05) =	2.6721	Pr =	0.031				
Caregiver							
Yes (n=739)	36.9	[32.5, 41.5]	52.5	[47.8, 57.2]	10.6	[8.1, 13.7]	100.0
No (n=1,817)	33.7	[31.0, 36.6]	55.7	[52.8, 58.5]	10.6	[9.0, 12.4]	100.0
Pearson: Uncorrected chi2(2) =	2.3704						
Design-based F(2.00, 5083.90) =	0.7623	Pr =	0.467				
Homeless in last 12 months							
Yes (n=150)	42.2	[32.9, 52.2]	40.9	[31.7, 50.7]	16.9	[11.3, 24.5]	100.0
No (n=2,412)	34.0	[31.6, 36.4]	56.0	[53.4, 58.5]	10.0	[8.6, 11.6]	100.0
Pearson: Uncorrected chi2(2) =	19.6827						
Design-based F(1.97, 5020.93) =	5.3529	Pr =	0.005				
Smoked or used tobacco in last 30 days							
Yes (n=836)	34.8	[30.7, 39.1]	52.1	[47.7, 56.5]	13.2	[10.5, 16.3]	100.0
No (n=1,727)	34.7	[31.9, 37.6]	56.1	[53.1, 59.0]	9.2	[7.7, 11.0]	100.0
Pearson: Uncorrected chi2(2) =	10.2921						
Design-based F(1.99, 5089.07) =	3.1515	Pr =	0.043				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,443)	29.1	[26.3, 32.1]	59.7	[56.5, 62.9]	11.2	[9.4, 13.3]	100.0
Uninsured all 12 months/Don't know (n=1,122)	41.3	[37.7, 45.1]	48.9	[45.1, 52.6]	9.8	[7.8, 12.2]	100.0
Pearson: Uncorrected chi2(2) =	42.3387						
Design-based F(2.00, 5102.72) =	13.3077	Pr =	0.000				
Reduction in forgone dental care							
Yes (n=664)	59.6	[54.7, 64.3]	34.7	[30.2, 39.5]	5.7	[4.0, 8.1]	100.0
No (n=1,901)	26.7	[24.2, 29.3]	61.2	[58.4, 64.0]	12.1	[10.4, 14.0]	100.0
Pearson: Uncorrected chi2(2) =	226.4609						
Design-based F(1.98, 5056.41) =	77.9526	Pr =	0.000				
Improved ability to get any type of care							
Yes (n=1,913)	41.5	[38.7, 44.4]	49.1	[46.2, 52.0]	9.3	[7.8, 11.1]	100.0
No (n=652)	14.6	[11.7, 18.1]	71.4	[67.1, 75.3]	14.0	[11.2, 17.4]	100.0
Pearson: Uncorrected chi2(2) =	156.0242						
Design-based F(2.00, 5100.68) =	54.4995	Pr =	0.000				
Total (n=2,565)	34.7	[32.4, 37.1]	54.8	[52.3, 57.2]	10.5	[9.2, 12.1]	100.0

Note: χ^2 test of independence.

1.6.2 Change in dental health status since HMP enrollment by selected characteristics (continued)

	Change in dental health status since HMP enrollment						
	Gotten better		Stayed the same		Gotten worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Knowledge that routine dental care is covered							
Yes (n=2,007)	40.0	[37.3, 42.8]	50.5	[47.7, 53.3]	9.4	[7.9, 11.2]	100.0
No/Don't know (n=557)	15.9	[12.4, 20.1]	69.8	[65.0, 74.3]	14.3	[11.3, 17.9]	100.0
Pearson: Uncorrected chi2(2) =	113.7015						
Design-based F(1.98, 5064.85) =	37.5768	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=1,923)	36.2	[33.5, 38.9]	54.2	[51.3, 56.9]	9.7	[8.2, 11.5]	100.0
No (n=295)	37.7	[30.6, 45.3]	52.4	[45.0, 59.7]	9.9	[6.5, 14.7]	100.0
Pearson: Uncorrected chi2(2) =	0.3747						
Design-based F(1.98, 4360.72) =	0.0983	Pr =	0.904				
Any preventive dental visit (DW)							
Yes (n=832)	54.5	[50.2, 58.8]	39.2	[35.0, 43.6]	6.3	[4.5, 8.6]	100.0
No (n=1,733)	26.1	[23.5, 28.8]	61.5	[58.6, 64.4]	12.4	[10.6, 14.4]	100.0
Pearson: Uncorrected chi2(2) =	195.1756						
Design-based F(1.99, 5087.21) =	64.3226	Pr =	0.000				
Any other dental visit (DW)							
Yes (n=1,117)	54.5	[50.8, 58.2]	36.6	[33.1, 40.3]	8.9	[7.0, 11.3]	100.0
No (n=1,448)	20.7	[18.1, 23.6]	67.6	[64.4, 70.6]	11.7	[9.9, 13.8]	100.0
Pearson: Uncorrected chi2(2) =	317.8896						
Design-based F(2.00, 5097.29) =	98.6821	Pr =	0.000				
Total (n=2,565)	34.7	[32.4, 37.1]	54.8	[52.3, 57.2]	10.5	[9.2, 12.1]	100.0

Note: χ^2 test of independence.

1.6.3 Predictors of dental health status got better since HMP enrollment

	Dental health status got better since HMP enrollment		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	0.94	[0.693, 1.277]	0.694
Homeless in last 12 months			
No		Reference	
Yes	1.65	[0.971, 2.798]	0.064
Smoked or used tobacco in last 30 days			
No		Reference	
Yes	0.89	[0.656, 1.213]	0.466
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.65	[0.491, 0.866]	0.003
Reduction in forgone dental care			
No		Reference	
Yes	3.66	[2.746, 4.881]	0.000
Improved ability to get any type of care			
No		Reference	
Yes	3.29	[2.267, 4.777]	0.000
Knowledge that routine dental care is covered			
No/Don't know		Reference	
Yes	2.11	[1.457, 3.064]	0.000
PCP visit in past 12 months			
No		Reference	
Yes	0.63	[0.421, 0.939]	0.024
Any preventive dental visit (DW)			
No		Reference	
Yes	2.35	[1.719, 3.209]	0.000
Any other dental visit (DW)			
No		Reference	
Yes	3.15	[2.329, 4.261]	0.000
Age			
19-35		Reference	
36-49	0.85	[0.611, 1.180]	0.329
50-64	0.78	[0.559, 1.098]	0.157
Gender			
Male		Reference	
Female	0.82	[0.624, 1.081]	0.159
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.47	[0.983, 2.191]	0.061
Hispanic	1.43	[0.902, 2.266]	0.128
Other, non-Hispanic	1.15	[0.729, 1.820]	0.545
FPL category			
0-35%		Reference	
36-99%	1.15	[0.843, 1.568]	0.379
100%+	0.89	[0.634, 1.241]	0.485
Region			
UP/NW/NE		Reference	
W/E Central/E	0.78	[0.554, 1.112]	0.172
S Central/SW/SE	0.68	[0.470, 0.994]	0.047
Detroit Metro	0.88	[0.602, 1.279]	0.497
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.96	[0.690, 1.338]	0.811
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.99	[0.645, 1.533]	0.979
Mental health condition	1.13	[0.823, 1.557]	0.446
Substance use disorder	0.88	[0.397, 1.954]	0.756
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.99	[0.731, 1.336]	0.940
Bachelor's/Post graduate degree	0.70	[0.474, 1.030]	0.070
Constant	0.09	[0.046, 0.180]	0.000
N	2,152		
F-value	11.946		
Model degrees of freedom	27.0		
Residual degrees of freedom	2,140.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

1.7 Number of days missed work due to illness or injury

1.7.1 Number of days missed work due to illness or injury by selected characteristics

	Number of days missed work due to illness or injury			
	Mean	SE	95% CI	n
Highest level of education				
High school or less	6.7	0.79	[5.1, 8.2]	659
Associate's degree/Some college	6.5	1.10	[4.3, 8.6]	637
Bachelor's/Post graduate degree	7.0	1.87	[3.3, 10.6]	199
ANOVA results F(2, 1,483)= 0.03, p = 0.9701				
Caregiver				
Yes	7.4	1.19	[5.1, 9.7]	474
No	6.2	0.75	[4.7, 7.7]	1,020
Two sample t-test results, difference= -1.21, 95% CI (-3.98, 1.56) t(1,482)= -0.86, p = 0.391				
Homeless in last 12 months				
Yes	7.0	2.64	[1.9, 12.2]	60
No	6.6	0.66	[5.3, 7.9]	1,436
Two sample t-test results, difference= -0.44, 95% CI (-5.78, 4.90) t(1,484)= -0.16, p = 0.872				
Insurance status in 12 months prior to HMP				
Insured some or all 12 months	6.6	0.82	[5.0, 8.2]	832
Uninsured all 12 months/Don't know	6.7	1.00	[4.7, 8.6]	666
Two sample t-test results, difference= 0.07, 95% CI (-2.46, 2.61) t(1,482)= 0.06, p = 0.955				
Forgone health care in last 12 months				
Yes	14.6	4.31	[6.1, 23.0]	103
No	5.9	0.58	[4.8, 7.1]	1,390
Two sample t-test results, difference= -8.65, 95% CI (-17.17, -0.12) t(1,481)= -1.99, p = 0.047				
Improved ability to get any type of care				
Yes	7.5	0.83	[5.9, 9.2]	1118
No	4.0	0.66	[2.7, 5.3]	380
Two sample t-test results, difference= -3.54, 95% CI (-5.63, -1.46) t(1,486)= -3.34, p = 0.001				

1.7.2 Predictors of number of days missed work due to illness or injury

	Number of days missed work due to illness or injury		
	Coef.	95% CI	p-value
Caregiver			
No		Reference	
Yes	-0.25	[-3.132, 2.639]	0.867
Homeless in last 12 months			
No		Reference	
Yes	-1.64	[-7.971, 4.686]	0.611
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	-0.05	[-2.774, 2.680]	0.973
Forgone health care in last 12 months			
No		Reference	
Yes	7.02	[-1.060, 15.106]	0.089
Improved ability to get any type of care			
No		Reference	
Yes	3.07	[0.933, 5.202]	0.005
Age			
19-35		Reference	
36-49	1.46	[-1.654, 4.571]	0.358
50-64	2.58	[-2.133, 7.285]	0.283
Gender			
Male		Reference	
Female	-0.06	[-2.915, 2.796]	0.967
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	-0.73	[-3.935, 2.484]	0.658
Hispanic	-1.70	[-5.726, 2.331]	0.409
Other, non-Hispanic	-0.62	[-5.311, 4.078]	0.797
FPL category			
0-35%		Reference	
36-99%	-1.30	[-4.553, 1.956]	0.434
100%+	-1.54	[-5.076, 2.003]	0.395
Region			
UP/NW/NE		Reference	
W/E Central/E	2.45	[-0.978, 5.882]	0.161
S Central/SW/SE	3.53	[0.323, 6.737]	0.031
Detroit Metro	2.86	[0.074, 5.642]	0.044
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	2.49	[0.024, 4.952]	0.048
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	5.43	[0.211, 10.649]	0.041
Mental health condition	3.72	[0.389, 7.048]	0.029
Substance use disorder	-1.13	[-5.118, 2.860]	0.579
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	-0.50	[-3.383, 2.390]	0.736
Bachelor's/Post graduate degree	0.36	[-3.916, 4.629]	0.870
Constant	-0.92	[-4.474, 2.625]	0.610
N	1,450		
F-value	1.810		
Model degrees of freedom	22.0		
Residual degrees of freedom	1,438.0		
F-value significance	0.012		

Notes: Multiple linear regression.

1.8 New diagnosis since HMP enrollment

1.8.1 New diagnosis since HMP enrollment by selected characteristics

| | New diagnosis since HMP enrollment | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	31.9	[28.9, 35.1]	68.1	[64.9, 71.1]	100.0
Associate's degree/Some college (n=1,003)	28.6	[25.3, 32.2]	71.4	[67.8, 74.7]	100.0
Bachelor's/Post graduate degree (n=338)	25.5	[20.3, 31.4]	74.5	[68.6, 79.7]	100.0
Pearson: Uncorrected chi2(2) =	6.1702				
Design-based F(1.99, 5132.30) =	2.1466	Pr =	0.117		
Change in physical health status since HMP enrollment					
Gotten better (n=1,207)	35.2	[31.9, 38.6]	64.8	[61.4, 68.1]	100.0
Stayed the same (n=1,220)	20.8	[18.2, 23.6]	79.2	[76.4, 81.8]	100.0
Gotten worse (n=156)	55.0	[45.3, 64.3]	45.0	[35.7, 54.7]	100.0
Pearson: Uncorrected chi2(2) =	108.9201				
Design-based F(2.00, 5139.13) =	37.0597	Pr =	0.000		
Change in mental health status since HMP enrollment					
Gotten better (n=925)	34.6	[31.0, 38.5]	65.4	[61.5, 69.0]	100.0
Stayed the same (n=1,517)	25.8	[23.1, 28.6]	74.2	[71.4, 76.9]	100.0
Gotten worse (n=142)	41.7	[32.6, 51.5]	58.3	[48.5, 67.4]	100.0
Pearson: Uncorrected chi2(2) =	31.7971				
Design-based F(1.99, 5129.40) =	10.9489	Pr =	0.000		
Change in dental health status since HMP enrollment					
Gotten better (n=915)	32.0	[28.4, 35.7]	68.0	[64.3, 71.6]	100.0
Stayed the same (n=1,376)	26.4	[23.6, 29.4]	73.6	[70.6, 76.4]	100.0
Gotten worse (n=274)	36.4	[29.8, 43.6]	63.6	[56.4, 70.2]	100.0
Pearson: Uncorrected chi2(2) =	15.2805				
Design-based F(2.00, 5104.91) =	5.1441	Pr =	0.006		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	26.5	[23.8, 29.4]	73.5	[70.6, 76.2]	100.0
Uninsured all 12 months/Don't know (n=1,140)	33.6	[30.4, 37.1]	66.4	[62.9, 69.6]	100.0
Pearson: Uncorrected chi2(1) =	15.7349				
Design-based F(1.00, 2590.00) =	10.3912	Pr =	0.001		
Reduction in forgone health care					
Yes (n=561)	41.3	[36.4, 46.4]	58.7	[53.6, 63.6]	100.0
No (n=2,041)	26.9	[24.6, 29.3]	73.1	[70.7, 75.4]	100.0
Pearson: Uncorrected chi2(1) =	40.9155				
Design-based F(1.00, 2590.00) =	28.6999	Pr =	0.000		
Total (n=2,602)	29.8	[27.7, 31.9]	70.2	[68.1, 72.3]	100.0

Note: χ^2 test of independence. New diagnosis since HMP enrollment was defined as reporting that one or more chronic conditions (asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) had been diagnosed after HMP enrollment.

1.8.2 New diagnosis since HMP enrollment by selected characteristics (continued)

	New diagnosis since HMP enrollment				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Any HRA record (DW)					
Yes (n=1,235)	32.9	[29.8, 36.3]	67.1	[63.7, 70.2]	100.0
No (n=1,367)	27.2	[24.4, 30.1]	72.8	[69.9, 75.6]	100.0
Pearson: Uncorrected chi2(1) =	10.2301				
Design-based F(1.00, 2590.00) =	6.8381	Pr =	0.009		
PCP visit in past 12 months					
Yes (n=1,952)	35.4	[32.8, 38.1]	64.6	[61.9, 67.2]	100.0
No (n=298)	13.0	[9.3, 18.1]	87.0	[81.9, 90.7]	100.0
Pearson: Uncorrected chi2(1) =	71.8034				
Design-based F(1.00, 2238.00) =	44.1507	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	33.1	[30.7, 35.5]	66.9	[64.5, 69.3]	100.0
No (n=369)	14.8	[11.0, 19.5]	85.2	[80.5, 89.0]	100.0
Pearson: Uncorrected chi2(1) =	61.7904				
Design-based F(1.00, 2590.00) =	35.8769	Pr =	0.000		
ER visit in past 12 months					
Yes (n=944)	39.8	[36.1, 43.7]	60.2	[56.3, 63.9]	100.0
No (n=1,642)	23.6	[21.2, 26.3]	76.4	[73.7, 78.8]	100.0
Pearson: Uncorrected chi2(1) =	76.1272				
Design-based F(1.00, 2574.00) =	49.9686	Pr =	0.000		
Any ER visit (DW)					
Yes (n=1,280)	36.3	[33.1, 39.6]	63.7	[60.4, 66.9]	100.0
No (n=1,322)	23.2	[20.6, 26.1]	76.8	[73.9, 79.4]	100.0
Pearson: Uncorrected chi2(1) =	52.9665				
Design-based F(1.00, 2590.00) =	35.6164	Pr =	0.000		
Total (n=2,602)	29.8	[27.7, 31.9]	70.2	[68.1, 72.3]	100.0

Note: χ^2 test of independence. New diagnosis since HMP enrollment was defined as reporting that one or more chronic conditions (asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) had been diagnosed after HMP enrollment.

1.8.3 Predictors of new diagnosis since HMP enrollment

	New diagnosis since HMP enrollment			New diagnosis since HMP enrollment		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Change in physical health status since HMP enrollment						
Gotten worse/Stayed the same		Reference			Reference	
Gotten better	1.18	[0.884, 1.574]	0.262	1.36	[1.030, 1.786]	0.030
Change in mental health status since HMP enrollment						
Gotten worse/Stayed the same		Reference			Reference	
Gotten better	1.11	[0.840, 1.470]	0.460	0.99	[0.761, 1.300]	0.968
Change in dental health status since HMP enrollment						
Gotten worse/Stayed the same		Reference			Reference	
Gotten better	1.11	[0.845, 1.459]	0.451	1.08	[0.833, 1.388]	0.576
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	0.54	[0.413, 0.718]	0.000	0.69	[0.531, 0.895]	0.005
Reduction in forgone health care						
No		Reference			Reference	
Yes	1.08	[0.787, 1.495]	0.620	1.17	[0.863, 1.573]	0.317
Any HRA record (DW)						
No		Reference			Reference	
Yes	0.91	[0.710, 1.176]	0.485	0.99	[0.780, 1.251]	0.918
PCP visit in past 12 months						
No		Reference				
Yes	2.29	[1.419, 3.712]	0.001			
ER visit in past 12 months						
No		Reference				
Yes	1.47	[1.129, 1.911]	0.004			
Age						
19-35		Reference			Reference	
36-49	1.37	[0.990, 1.896]	0.058	1.37	[1.017, 1.850]	0.038
50-64	1.83	[1.315, 2.551]	0.000	1.88	[1.388, 2.546]	0.000
Gender						
Male		Reference			Reference	
Female	0.72	[0.554, 0.949]	0.019	0.79	[0.617, 1.010]	0.060
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.85	[0.578, 1.246]	0.403	0.91	[0.635, 1.299]	0.598
Hispanic	0.84	[0.507, 1.404]	0.512	0.99	[0.593, 1.645]	0.962
Other, non-Hispanic	0.93	[0.591, 1.454]	0.741	0.97	[0.647, 1.467]	0.900
FPL category						
0-35%		Reference			Reference	
36-99%	0.96	[0.725, 1.274]	0.783	1.00	[0.766, 1.294]	0.972
100%+	1.17	[0.863, 1.588]	0.310	1.17	[0.877, 1.557]	0.288
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.33	[0.962, 1.832]	0.084	1.23	[0.908, 1.666]	0.181
S Central/SW/SE	1.27	[0.882, 1.839]	0.196	1.19	[0.849, 1.665]	0.314
Detroit Metro	0.98	[0.678, 1.421]	0.921	0.91	[0.645, 1.291]	0.604
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	4.60	[3.277, 6.448]	0.000	4.24	[3.098, 5.804]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	2.19	[1.471, 3.275]	0.000	2.40	[1.654, 3.475]	0.000
Mental health condition	1.87	[1.406, 2.499]	0.000	2.24	[1.692, 2.954]	0.000
Substance use disorder	1.29	[0.654, 2.534]	0.465	1.30	[0.710, 2.376]	0.395
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.08	[0.820, 1.424]	0.580	1.05	[0.811, 1.369]	0.695
Bachelor's/Post graduate degree	0.86	[0.570, 1.305]	0.484	0.87	[0.595, 1.284]	0.492
Any primary care visit (DW)						
No					Reference	
Yes				1.72	[1.149, 2.577]	0.008
Any ER visit (DW)						
No					Reference	
Yes				1.37	[1.065, 1.751]	0.014
Constant	0.04	[0.024, 0.081]	0.000	0.04	[0.026, 0.072]	0.000
N	2,121			2,465		
F-value	12.773			14.172		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	2,109.0			2,453.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression. New diagnosis since HMP enrollment was defined as reporting that one or more chronic conditions (asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) had been diagnosed after HMP enrollment.

2 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

2.1 Knowledge that eyeglasses are covered

2.1.1 Knowledge that eyeglasses are covered by selected characteristics

| | Knowledge that eyeglasses are covered | | | | |
| | **Yes** | | **No/Don't know** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	57.8	[54.2, 61.2]	42.2	[38.8, 45.8]	100.0
Associate's degree/Some college (n=1,003)	57.9	[53.8, 61.8]	42.1	[38.2, 46.2]	100.0
Bachelor's/Post graduate degree (n=338)	47.0	[40.7, 53.5]	53.0	[46.5, 59.3]	100.0
Pearson: Uncorrected chi2(2) =	12.9098				
Design-based F(1.98, 5104.40) =	4.1775	Pr =	0.016		
Need help reading written materials					
Sometimes/Often/Always (n=403)	52.3	[46.2, 58.2]	47.7	[41.8, 53.8]	100.0
Never/Rarely (n=2,193)	57.3	[54.6, 60.0]	42.7	[40.0, 45.4]	100.0
Pearson: Uncorrected chi2(1) =	3.6531				
Design-based F(1.00, 2584.00) =	2.2571	Pr =	0.133		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	55.5	[52.2, 58.8]	44.5	[41.2, 47.8]	100.0
Uninsured all 12 months/Don't know (n=1,140)	57.5	[53.8, 61.1]	42.5	[38.9, 46.2]	100.0
Pearson: Uncorrected chi2(1) =	1.0226				
Design-based F(1.00, 2590.00) =	0.6152	Pr =	0.433		
Forgone health care in 12 months prior to HMP					
Yes (n=659)	62.2	[57.5, 66.7]	37.8	[33.3, 42.5]	100.0
No (n=1,924)	54.9	[52.1, 57.8]	45.1	[42.2, 47.9]	100.0
Pearson: Uncorrected chi2(1) =	10.2271				
Design-based F(1.00, 2571.00) =	6.7975	Pr =	0.009		
Total (n=2,602)	56.4	[54.0, 58.9]	43.6	[41.1, 46.0]	100.0

Note: χ^2 test of independence.

2.1.2 Predictors of knowledge that eyeglasses are covered

	Knowledge that eyeglasses are covered		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.81	[0.617, 1.076]	0.148
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.91	[0.727, 1.129]	0.378
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.28	[0.999, 1.632]	0.051
Age			
19-35		Reference	
36-49	1.09	[0.838, 1.412]	0.528
50-64	1.04	[0.795, 1.359]	0.778
Gender			
Male		Reference	
Female	1.56	[1.258, 1.936]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.15	[0.838, 1.565]	0.394
Hispanic	1.22	[0.813, 1.836]	0.335
Other, non-Hispanic	1.16	[0.810, 1.654]	0.422
FPL category			
0-35%		Reference	
36-99%	0.81	[0.643, 1.020]	0.073
100%+	0.94	[0.729, 1.221]	0.658
Region			
UP/NW/NE		Reference	
W/E Central/E	0.90	[0.685, 1.183]	0.450
S Central/SW/SE	0.76	[0.560, 1.023]	0.070
Detroit Metro	0.63	[0.465, 0.854]	0.003
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.29	[1.017, 1.642]	0.036
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.07	[0.763, 1.508]	0.687
Mental health condition	1.25	[0.988, 1.586]	0.063
Substance use disorder	1.08	[0.634, 1.856]	0.766
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.99	[0.788, 1.255]	0.963
Bachelor's/Post graduate degree	0.63	[0.459, 0.857]	0.003
Constant	1.19	[0.823, 1.711]	0.359
N	2,506		
F-value	3.204		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,494.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.2 Knowledge that prescription medications are covered

2.2.1 Knowledge that prescription medications are covered by selected characteristics

	Yes		No/Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	90.6	[88.0, 92.7]	9.4	[7.3, 12.0]	100.0
Associate's degree/Some college (n=1,003)	94.9	[92.7, 96.4]	5.1	[3.6, 7.3]	100.0
Bachelor's/Post graduate degree (n=338)	93.4	[89.5, 95.9]	6.6	[4.1, 10.5]	100.0
Pearson: Uncorrected chi2(2) =	15.4229				
Design-based F(1.94, 5015.49) =	4.8260	Pr =	0.009		
Need help reading written materials					
Sometimes/Often/Always (n=403)	89.5	[85.4, 92.5]	10.5	[7.5, 14.6]	100.0
Never/Rarely (n=2,193)	93.2	[91.6, 94.6]	6.8	[5.4, 8.4]	100.0
Pearson: Uncorrected chi2(1) =	7.3478				
Design-based F(1.00, 2584.00) =	4.6142	Pr =	0.032		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	93.6	[91.6, 95.1]	6.4	[4.9, 8.4]	100.0
Uninsured all 12 months/Don't know (n=1,140)	91.4	[89.0, 93.4]	8.6	[6.6, 11.0]	100.0
Pearson: Uncorrected chi2(1) =	4.1747				
Design-based F(1.00, 2590.00) =	2.2255	Pr =	0.136		
Forgone health care in 12 months prior to HMP					
Yes (n=659)	93.8	[91.1, 95.8]	6.2	[4.2, 8.9]	100.0
No (n=1,924)	92.3	[90.5, 93.8]	7.7	[6.2, 9.5]	100.0
Pearson: Uncorrected chi2(1) =	1.6371				
Design-based F(1.00, 2571.00) =	1.0403	Pr =	0.308		
Total (n=2,602)	92.6	[91.1, 93.9]	7.4	[6.1, 8.9]	100.0

Knowledge that prescription medications are covered

Note: χ^2 test of independence.

2.2.2 Predictors of knowledge that prescription medications are covered

	Knowledge that prescription medications are covered		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.58	[0.363, 0.939]	0.026
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.02	[0.644, 1.625]	0.924
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.11	[0.662, 1.866]	0.690
Age			
19-35		Reference	
36-49	1.23	[0.747, 2.028]	0.415
50-64	1.38	[0.762, 2.497]	0.287
Gender			
Male		Reference	
Female	1.61	[1.010, 2.561]	0.045
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.02	[0.541, 1.913]	0.958
Hispanic	0.75	[0.385, 1.452]	0.390
Other, non-Hispanic	1.15	[0.601, 2.197]	0.675
FPL category			
0-35%		Reference	
36-99%	0.94	[0.584, 1.528]	0.817
100%+	0.79	[0.483, 1.300]	0.357
Region			
UP/NW/NE		Reference	
W/E Central/E	0.85	[0.448, 1.595]	0.603
S Central/SW/SE	0.61	[0.316, 1.161]	0.131
Detroit Metro	0.59	[0.294, 1.177]	0.133
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.31	[0.808, 2.141]	0.271
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.47	[0.723, 3.000]	0.286
Mental health condition	2.26	[1.386, 3.700]	0.001
Substance use disorder	0.87	[0.401, 1.908]	0.737
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.83	[1.115, 3.019]	0.017
Bachelor's/Post graduate degree	1.33	[0.699, 2.547]	0.382
Constant	8.40	[3.832, 18.409]	0.000
N	2,506		
F-value	2.685		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,494.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.3 Knowledge that routine dental care is covered

2.3.1 Knowledge that routine dental care is covered by selected characteristics

	Knowledge that routine dental care is covered				Total
	Yes		**No/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	76.0	[72.9, 78.9]	24.0	[21.1, 27.1]	100.0
Associate's degree/Some college (n=1,003)	81.2	[77.8, 84.1]	18.8	[15.9, 22.2]	100.0
Bachelor's/Post graduate degree (n=338)	73.6	[67.1, 79.2]	26.4	[20.8, 32.9]	100.0
Pearson: Uncorrected chi2(2) =	12.3159				
Design-based F(1.99, 5146.37) =	3.8378	Pr =	0.022		
Need help reading written materials					
Sometimes/Often/Always (n=403)	74.5	[68.9, 79.4]	25.5	[20.6, 31.1]	100.0
Never/Rarely (n=2,192)	78.4	[76.1, 80.6]	21.6	[19.4, 23.9]	100.0
Pearson: Uncorrected chi2(1) =	3.1656				
Design-based F(1.00, 2583.00) =	1.9600	Pr =	0.162		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	77.3	[74.5, 80.0]	22.7	[20.0, 25.5]	100.0
Uninsured all 12 months/Don't know (n=1,139)	78.3	[75.1, 81.2]	21.7	[18.8, 24.9]	100.0
Pearson: Uncorrected chi2(1) =	0.3318				
Design-based F(1.00, 2589.00) =	0.2008	Pr =	0.654		
Forgone health care in 12 months prior to HMP					
Yes (n=659)	79.2	[75.3, 82.6]	20.8	[17.4, 24.7]	100.0
No (n=1,923)	77.4	[74.9, 79.8]	22.6	[20.2, 25.1]	100.0
Pearson: Uncorrected chi2(1) =	0.8463				
Design-based F(1.00, 2570.00) =	0.6038	Pr =	0.437		
Total (n=2,601)	77.8	[75.7, 79.7]	22.2	[20.3, 24.3]	100.0

Note: χ^2 test of independence.

2.3.2 Predictors of knowledge that routine dental care is covered

	Knowledge that routine dental care is covered		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.86	[0.635, 1.170]	0.341
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.82	[0.634, 1.052]	0.116
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.12	[0.847, 1.470]	0.434
Age			
19-35		Reference	
36-49	0.84	[0.624, 1.141]	0.270
50-64	0.68	[0.500, 0.917]	0.012
Gender			
Male		Reference	
Female	1.23	[0.965, 1.576]	0.094
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.43	[0.976, 2.085]	0.066
Hispanic	1.34	[0.854, 2.088]	0.205
Other, non-Hispanic	1.01	[0.673, 1.519]	0.958
FPL category			
0-35%		Reference	
36-99%	0.81	[0.617, 1.077]	0.150
100%+	0.80	[0.592, 1.085]	0.152
Region			
UP/NW/NE		Reference	
W/E Central/E	0.86	[0.617, 1.186]	0.350
S Central/SW/SE	0.66	[0.465, 0.940]	0.021
Detroit Metro	0.67	[0.464, 0.967]	0.032
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.18	[0.895, 1.554]	0.240
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.24	[0.829, 1.849]	0.296
Mental health condition	1.25	[0.955, 1.640]	0.104
Substance use disorder	0.94	[0.538, 1.629]	0.816
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.53	[1.167, 1.998]	0.002
Bachelor's/Post graduate degree	1.04	[0.724, 1.506]	0.817
Constant	3.92	[2.514, 6.116]	0.000
N	2,505		
F-value	2.025		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,493.0		
F-value significance	0.005		

Notes: Multiple logistic regression.

2.4 Knowledge that treatment to stop smoking is covered

2.4.1 Knowledge that treatment to stop smoking is covered by selected characteristics

| | Knowledge that treatment to stop smoking is covered | | | | |
| | Yes | | No/Don't know | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	35.2	[31.9, 38.7]	64.8	[61.3, 68.1]	100.0
Associate's degree/Some college (n=1,003)	36.2	[32.5, 40.1]	63.8	[59.9, 67.5]	100.0
Bachelor's/Post graduate degree (n=338)	32.8	[27.0, 39.2]	67.2	[60.8, 73.0]	100.0
Pearson: Uncorrected chi2(2) =	1.2111				
Design-based F(1.99, 5132.05) =	0.3953	Pr =	0.672		
Need help reading written materials					
Sometimes/Often/Always (n=403)	27.2	[22.4, 32.6]	72.8	[67.4, 77.6]	100.0
Never/Rarely (n=2,193)	36.8	[34.3, 39.4]	63.2	[60.6, 65.7]	100.0
Pearson: Uncorrected chi2(1) =	14.3944				
Design-based F(1.00, 2584.00) =	9.6970	Pr =	0.002		
Smoked or used tobacco in last 30 days					
Yes (n=855)	51.0	[46.6, 55.3]	49.0	[44.7, 53.4]	100.0
No (n=1,745)	27.1	[24.6, 29.8]	72.9	[70.2, 75.4]	100.0
Pearson: Uncorrected chi2(1) =	146.3656				
Design-based F(1.00, 2588.00) =	87.0670	Pr =	0.000		
Want to reduce or quit smoking or using tobacco					
Yes (n=676)	51.8	[46.9, 56.8]	48.2	[43.2, 53.1]	100.0
No (n=169)	48.0	[38.6, 57.5]	52.0	[42.5, 61.4]	100.0
Pearson: Uncorrected chi2(1) =	0.8568				
Design-based F(1.00, 833.00) =	0.4988	Pr =	0.480		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	33.9	[30.9, 37.0]	66.1	[63.0, 69.1]	100.0
Uninsured all 12 months/Don't know (n=1,140)	36.9	[33.4, 40.6]	63.1	[59.4, 66.6]	100.0
Pearson: Uncorrected chi2(1) =	2.5544				
Design-based F(1.00, 2590.00) =	1.5787	Pr =	0.209		
Total (n=2,602)	35.3	[33.0, 37.6]	64.7	[62.4, 67.0]	100.0

Note: χ^2 test of independence.

2.4.2 Predictors of knowledge that treatment to stop smoking is covered

	Knowledge that treatment to stop smoking is covered			Knowledge that treatment to stop smoking is covered[a]		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.60	[0.440, 0.805]	0.001	0.63	[0.405, 0.989]	0.045
Smoked or used tobacco in last 30 days						
No		Reference				
Yes	2.65	[2.082, 3.375]	0.000			
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	0.87	[0.695, 1.096]	0.241	0.93	[0.633, 1.380]	0.733
Age						
19-35		Reference			Reference	
36-49	1.22	[0.926, 1.613]	0.157	1.19	[0.752, 1.876]	0.461
50-64	1.01	[0.767, 1.322]	0.961	1.36	[0.844, 2.196]	0.205
Gender						
Male		Reference			Reference	
Female	1.16	[0.926, 1.458]	0.195	1.18	[0.810, 1.720]	0.389
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.87	[0.625, 1.203]	0.393	0.81	[0.476, 1.390]	0.450
Hispanic	0.62	[0.397, 0.964]	0.034	0.52	[0.221, 1.212]	0.129
Other, non-Hispanic	0.69	[0.470, 1.007]	0.055	0.63	[0.322, 1.245]	0.185
FPL category						
0-35%		Reference			Reference	
36-99%	0.87	[0.683, 1.104]	0.249	1.36	[0.900, 2.054]	0.144
100%+	1.02	[0.785, 1.334]	0.864	1.20	[0.755, 1.897]	0.445
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.83	[0.627, 1.093]	0.183	0.71	[0.444, 1.146]	0.162
S Central/SW/SE	0.76	[0.563, 1.036]	0.083	0.75	[0.439, 1.281]	0.291
Detroit Metro	0.77	[0.562, 1.043]	0.090	0.81	[0.463, 1.401]	0.443
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.12	[0.869, 1.446]	0.381	1.41	[0.914, 2.186]	0.119
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.78	[1.247, 2.551]	0.002	1.98	[1.184, 3.318]	0.009
Mental health condition	1.24	[0.976, 1.586]	0.077	1.54	[0.956, 2.492]	0.076
Substance use disorder	1.16	[0.633, 2.127]	0.631	0.71	[0.343, 1.455]	0.345
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.24	[0.974, 1.584]	0.080	1.66	[1.108, 2.498]	0.014
Bachelor's/Post graduate degree	1.22	[0.858, 1.746]	0.265	0.57	[0.268, 1.216]	0.146
Want to reduce or quit smoking or using tobacco						
No					Reference	
Yes				1.14	[0.713, 1.833]	0.579
Constant	0.40	[0.265, 0.609]	0.000	0.61	[0.309, 1.219]	0.163
N	2,523			823		
F-value	6.578			2.131		
Model degrees of freedom	20.0			20.0		
Residual degrees of freedom	2,511.0			811.0		
F-value significance	0.000			0.003		

Notes: Multiple logistic regression.
[a] Restricted to enrolless who have smoked or used tobacco in last 30 days

2.5 Knowledge that birth control/family planning is covered

2.5.1 Knowledge that birth control/family planning is covered by selected characteristics

	Knowledge that birth control/family planning is covered				Total
	Yes		No/Don't know		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,250)	53.7	[50.2, 57.2]	46.3	[42.8, 49.8]	100.0
Associate's degree/Some college (n=1,003)	59.5	[55.5, 63.4]	40.5	[36.6, 44.5]	100.0
Bachelor's/Post graduate degree (n=337)	56.9	[50.4, 63.1]	43.1	[36.9, 49.6]	100.0
Pearson: Uncorrected chi2(2) =	7.7678				
Design-based F(1.98, 5104.72) =	2.5280	Pr =	0.080		
Need help reading written materials					
Sometimes/Often/Always (n=402)	46.4	[40.4, 52.4]	53.6	[47.6, 59.6]	100.0
Never/Rarely (n=2,191)	58.3	[55.6, 60.9]	41.7	[39.1, 44.4]	100.0
Pearson: Uncorrected chi2(1) =	20.4596				
Design-based F(1.00, 2581.00) =	12.6813	Pr =	0.000		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,460)	59.4	[56.2, 62.5]	40.6	[37.5, 43.8]	100.0
Uninsured all 12 months/Don't know (n=1,139)	52.8	[49.1, 56.5]	47.2	[43.5, 50.9]	100.0
Pearson: Uncorrected chi2(1) =	11.3496				
Design-based F(1.00, 2587.00) =	6.9216	Pr =	0.009		
Forgone health care in 12 months prior to HMP					
Yes (n=658)	56.1	[51.3, 60.7]	43.9	[39.3, 48.7]	100.0
No (n=1,922)	56.6	[53.8, 59.4]	43.4	[40.6, 46.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0539				
Design-based F(1.00, 2568.00) =	0.0359	Pr =	0.850		
Total (n=2,599)	56.4	[53.9, 58.8]	43.6	[41.2, 46.1]	100.0

Note: χ^2 test of independence.

2.5.2 Predictors of knowledge that birth control/family planning is covered

	Knowledge that birth control/family planning is covered		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.72	[0.538, 0.972]	0.032
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.99	[0.788, 1.251]	0.952
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.10	[0.855, 1.416]	0.460
Age			
19-35		Reference	
36-49	0.83	[0.628, 1.085]	0.170
50-64	0.41	[0.311, 0.544]	0.000
Gender			
Male		Reference	
Female	2.74	[2.184, 3.429]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.36	[0.984, 1.893]	0.062
Hispanic	0.93	[0.594, 1.458]	0.754
Other, non-Hispanic	0.81	[0.555, 1.168]	0.254
FPL category			
0-35%		Reference	
36-99%	1.02	[0.803, 1.305]	0.849
100%+	1.15	[0.883, 1.504]	0.297
Region			
UP/NW/NE		Reference	
W/E Central/E	1.10	[0.829, 1.463]	0.504
S Central/SW/SE	1.19	[0.875, 1.619]	0.268
Detroit Metro	1.04	[0.751, 1.426]	0.833
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.71	[0.547, 0.911]	0.007
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.54	[1.067, 2.232]	0.021
Mental health condition	1.37	[1.068, 1.758]	0.013
Substance use disorder	0.62	[0.345, 1.120]	0.113
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.14	[0.891, 1.449]	0.302
Bachelor's/Post graduate degree	1.05	[0.757, 1.466]	0.757
Constant	0.96	[0.659, 1.407]	0.846
N	2,504		
F-value	9.576		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,492.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.6 Knowledge that mental health counseling is covered

2.6.1 Knowledge that mental health counseling is covered by selected characteristics

| | Knowledge that mental health counseling is covered | | | | Total |
| | Yes | | No/Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	54.6	[51.1, 58.1]	45.4	[41.9, 48.9]	100.0
Associate's degree/Some college (n=1,003)	62.2	[58.3, 66.0]	37.8	[34.0, 41.7]	100.0
Bachelor's/Post graduate degree (n=338)	58.9	[52.4, 65.0]	41.1	[35.0, 47.6]	100.0
Pearson: Uncorrected chi2(2) =	13.4653				
Design-based F(1.98, 5109.21) =	4.4421	Pr =	0.012		
Need help reading written materials					
Sometimes/Often/Always (n=403)	53.4	[47.4, 59.3]	46.6	[40.7, 52.6]	100.0
Never/Rarely (n=2,193)	58.9	[56.3, 61.5]	41.1	[38.5, 43.7]	100.0
Pearson: Uncorrected chi2(1) =	4.4203				
Design-based F(1.00, 2584.00) =	2.7570	Pr =	0.097		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	59.8	[56.6, 63.0]	40.2	[37.0, 43.4]	100.0
Uninsured all 12 months/Don't know (n=1,140)	55.9	[52.2, 59.6]	44.1	[40.4, 47.8]	100.0
Pearson: Uncorrected chi2(1) =	4.0307				
Design-based F(1.00, 2590.00) =	2.4643	Pr =	0.117		
Forgone health care in 12 months prior to HMP					
Yes (n=659)	64.4	[59.7, 68.8]	35.6	[31.2, 40.3]	100.0
No (n=1,924)	56.3	[53.5, 59.1]	43.7	[40.9, 46.5]	100.0
Pearson: Uncorrected chi2(1) =	12.6704				
Design-based F(1.00, 2571.00) =	8.3775	Pr =	0.004		
Total (n=2,602)	58.0	[55.6, 60.4]	42.0	[39.6, 44.4]	100.0

Note: χ^2 test of independence.

2.6.2 Predictors of knowledge that mental health counseling is covered

	Knowledge that mental health counseling is covered		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.79	[0.596, 1.046]	0.100
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.03	[0.822, 1.294]	0.789
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.15	[0.894, 1.476]	0.278
Age			
19-35		Reference	
36-49	1.25	[0.952, 1.633]	0.110
50-64	0.90	[0.685, 1.184]	0.454
Gender			
Male		Reference	
Female	1.03	[0.827, 1.286]	0.782
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.89	[0.650, 1.226]	0.483
Hispanic	1.08	[0.734, 1.578]	0.706
Other, non-Hispanic	0.52	[0.364, 0.755]	0.001
FPL category			
0-35%		Reference	
36-99%	0.87	[0.686, 1.104]	0.252
100%+	0.89	[0.689, 1.159]	0.395
Region			
UP/NW/NE		Reference	
W/E Central/E	0.92	[0.699, 1.212]	0.555
S Central/SW/SE	0.95	[0.704, 1.291]	0.758
Detroit Metro	0.94	[0.689, 1.282]	0.695
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.12	[0.878, 1.434]	0.357
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	3.60	[2.433, 5.333]	0.000
Mental health condition	2.34	[1.843, 2.980]	0.000
Substance use disorder	1.33	[0.786, 2.259]	0.286
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.56	[1.221, 1.982]	0.000
Bachelor's/Post graduate degree	1.29	[0.922, 1.792]	0.138
Constant	0.82	[0.563, 1.185]	0.286
N	2,506		
F-value	6.210		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,494.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.7 Knowledge that substance use treatment is covered

2.7.1 Knowledge that substance use treatment is covered by selected characteristics

| | Knowledge that substance use treatment is covered | | | | Total |
| | Yes | | No/Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	39.6	[36.2, 43.1]	60.4	[56.9, 63.8]	100.0
Associate's degree/Some college (n=1,003)	43.8	[39.9, 47.8]	56.2	[52.2, 60.1]	100.0
Bachelor's/Post graduate degree (n=338)	45.8	[39.4, 52.3]	54.2	[47.7, 60.6]	100.0
Pearson: Uncorrected chi2(2) =	6.0937				
Design-based F(1.98, 5116.09) =	1.9763	Pr =	0.139		
Need help reading written materials					
Sometimes/Often/Always (n=403)	33.3	[27.9, 39.2]	66.7	[60.8, 72.1]	100.0
Never/Rarely (n=2,192)	43.6	[41.0, 46.3]	56.4	[53.7, 59.0]	100.0
Pearson: Uncorrected chi2(1) =	15.3961				
Design-based F(1.00, 2583.00) =	9.5483	Pr =	0.002		
Drug use in last 30 days					
Yes (n=126)	52.1	[41.4, 62.6]	47.9	[37.4, 58.6]	100.0
No (n=2,471)	41.3	[38.8, 43.8]	58.7	[56.2, 61.2]	100.0
Pearson: Uncorrected chi2(1) =	7.3075				
Design-based F(1.00, 2585.00) =	3.7722	Pr =	0.052		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,461)	41.3	[38.1, 44.5]	58.7	[55.5, 61.9]	100.0
Uninsured all 12 months/Don't know (n=1,140)	42.7	[39.1, 46.5]	57.3	[53.5, 60.9]	100.0
Pearson: Uncorrected chi2(1) =	0.5840				
Design-based F(1.00, 2589.00) =	0.3540	Pr =	0.552		
Forgone health care in 12 months prior to HMP					
Yes (n=659)	46.8	[42.1, 51.5]	53.2	[48.5, 57.9]	100.0
No (n=1,923)	40.8	[38.0, 43.6]	59.2	[56.4, 62.0]	100.0
Pearson: Uncorrected chi2(1) =	6.8752				
Design-based F(1.00, 2570.00) =	4.5868	Pr =	0.032		
Total (n=2,601)	41.9	[39.5, 44.4]	58.1	[55.6, 60.5]	100.0

Note: χ^2 test of independence.

2.7.2 Predictors of knowledge that substance use treatment is covered

	Knowledge that substance use treatment is covered		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.60	[0.448, 0.803]	0.001
Drug use in last 30 days			
No		Reference	
Yes	1.03	[0.654, 1.635]	0.887
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.92	[0.737, 1.153]	0.475
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.05	[0.830, 1.333]	0.676
Age			
19-35		Reference	
36-49	1.53	[1.176, 1.997]	0.002
50-64	1.31	[0.994, 1.719]	0.056
Gender			
Male		Reference	
Female	0.73	[0.585, 0.905]	0.004
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.94	[0.686, 1.293]	0.710
Hispanic	0.89	[0.592, 1.336]	0.573
Other, non-Hispanic	0.57	[0.395, 0.825]	0.003
FPL category			
0-35%		Reference	
36-99%	0.89	[0.710, 1.126]	0.342
100%+	0.94	[0.729, 1.208]	0.621
Region			
UP/NW/NE		Reference	
W/E Central/E	0.96	[0.732, 1.249]	0.742
S Central/SW/SE	1.10	[0.820, 1.476]	0.523
Detroit Metro	0.95	[0.704, 1.294]	0.763
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.99	[0.771, 1.264]	0.922
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	3.17	[2.186, 4.597]	0.000
Mental health condition	1.25	[0.989, 1.579]	0.062
Substance use disorder	1.49	[0.881, 2.507]	0.137
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.43	[1.129, 1.807]	0.003
Bachelor's/Post graduate degree	1.53	[1.115, 2.113]	0.009
Constant	0.60	[0.417, 0.874]	0.008
N	2,503		
F-value	4.437		
Model degrees of freedom	21.0		
Residual degrees of freedom	2,491.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.8 Knowledge you can't be dropped for not paying

2.8.1 Knowledge you can't be dropped for not paying by selected characteristics

	Could be dropped from HMP for not paying my bill				Total
	No		Yes/Don't know		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	15.4	[13.0, 18.1]	84.6	[81.9, 87.0]	100.0
Associate's degree/Some college (n=1,003)	14.4	[11.6, 17.8]	85.6	[82.2, 88.4]	100.0
Bachelor's/Post graduate degree (n=338)	13.1	[9.3, 18.2]	86.9	[81.8, 90.7]	100.0
Pearson: Uncorrected chi2(2) =	1.1413				
Design-based F(1.96, 5052.84) =	0.3409	Pr =	0.707		
Need help reading written materials					
Sometimes/Often/Always (n=403)	14.4	[10.8, 18.9]	85.6	[81.1, 89.2]	100.0
Never/Rarely (n=2,192)	14.8	[12.9, 17.0]	85.2	[83.0, 87.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0564				
Design-based F(1.00, 2583.00) =	0.0373	Pr =	0.847		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	15.0	[12.7, 17.6]	85.0	[82.4, 87.3]	100.0
Uninsured all 12 months/Don't know (n=1,139)	14.5	[12.0, 17.4]	85.5	[82.6, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.1323				
Design-based F(1.00, 2589.00) =	0.0733	Pr =	0.787		
Forgone health care in last 12 months					
Yes (n=203)	15.5	[9.6, 24.1]	84.5	[75.9, 90.4]	100.0
No (n=2,389)	14.5	[12.7, 16.5]	85.5	[83.5, 87.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1592				
Design-based F(1.00, 2580.00) =	0.0741	Pr =	0.785		
Forgone dental care in last 12 months					
Yes (n=467)	8.5	[6.0, 12.1]	91.5	[87.9, 94.0]	100.0
No (n=2,112)	16.0	[14.0, 18.2]	84.0	[81.8, 86.0]	100.0
Pearson: Uncorrected chi2(1) =	17.0629				
Design-based F(1.00, 2567.00) =	11.5744	Pr =	0.001		
Received MIHA statement in the past year					
Yes (n=1,749)	13.8	[11.9, 16.0]	86.2	[84.0, 88.1]	100.0
No/Not sure (n=850)	16.2	[13.1, 19.9]	83.8	[80.1, 86.9]	100.0
Pearson: Uncorrected chi2(1) =	2.9079				
Design-based F(1.00, 2587.00) =	1.5289	Pr =	0.216		
Total (n=2,601)	14.7	[13.0, 16.7]	85.3	[83.3, 87.0]	100.0

Note: χ^2 test of independence.

2.8.2 Predictors of knowledge you can't be dropped for not paying

	Knowledge you can't be dropped for not paying		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.89	[0.608, 1.313]	0.566
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.18	[0.863, 1.608]	0.302
Forgone health care in last 12 months			
No		Reference	
Yes	1.08	[0.614, 1.892]	0.793
Forgone dental care in last 12 months			
No		Reference	
Yes	0.51	[0.329, 0.797]	0.003
Received MIHA statement in the past year			
No/Not sure		Reference	
Yes	0.82	[0.595, 1.126]	0.217
Age			
19-35		Reference	
36-49	0.91	[0.615, 1.334]	0.616
50-64	1.07	[0.719, 1.587]	0.743
Gender			
Male		Reference	
Female	1.10	[0.790, 1.531]	0.572
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.91	[0.578, 1.427]	0.677
Hispanic	1.34	[0.777, 2.322]	0.291
Other, non-Hispanic	1.00	[0.610, 1.653]	0.987
FPL category			
0-35%		Reference	
36-99%	0.87	[0.623, 1.204]	0.393
100%+	0.71	[0.492, 1.023]	0.066
Region			
UP/NW/NE		Reference	
W/E Central/E	0.91	[0.623, 1.344]	0.650
S Central/SW/SE	0.91	[0.590, 1.391]	0.652
Detroit Metro	1.31	[0.868, 1.982]	0.198
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.04	[0.716, 1.497]	0.853
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.17	[0.721, 1.899]	0.526
Mental health condition	1.14	[0.818, 1.583]	0.443
Substance use disorder	1.43	[0.714, 2.877]	0.311
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.95	[0.679, 1.320]	0.746
Bachelor's/Post graduate degree	0.87	[0.551, 1.379]	0.557
Constant	0.18	[0.104, 0.300]	0.000
N	2,495		
F-value	1.117		
Model degrees of freedom	22.0		
Residual degrees of freedom	2,483.0		
F-value significance	0.318		

Notes: Multiple logistic regression.

2.9 Knowledge you may get reduction by completing HRA

2.9.1 Knowledge you may get reduction by completing HRA by selected characteristics

| | May get reduction by completing HRA | | | | Total |
| | Yes | | No/Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	28.6	[25.6, 31.9]	71.4	[68.1, 74.4]	100.0
Associate's degree/Some college (n=1,003)	28.6	[25.2, 32.3]	71.4	[67.7, 74.8]	100.0
Bachelor's/Post graduate degree (n=337)	39.0	[32.9, 45.5]	61.0	[54.5, 67.1]	100.0
Pearson: Uncorrected chi2(2) =	14.0759				
Design-based F(1.99, 5124.41) =	4.6299	Pr =	0.010		
Need help reading written materials					
Sometimes/Often/Always (n=403)	28.6	[23.6, 34.2]	71.4	[65.8, 76.4]	100.0
Never/Rarely (n=2,192)	30.1	[27.7, 32.6]	69.9	[67.4, 72.3]	100.0
Pearson: Uncorrected chi2(1) =	0.3823				
Design-based F(1.00, 2583.00) =	0.2449	Pr =	0.621		
Received MIHA statement in the past year					
Yes (n=1,748)	34.7	[31.9, 37.6]	65.3	[62.4, 68.1]	100.0
No/Not sure (n=851)	22.6	[19.2, 26.3]	77.4	[73.7, 80.8]	100.0
Pearson: Uncorrected chi2(1) =	43.5926				
Design-based F(1.00, 2587.00) =	25.1190	Pr =	0.000		
Discussed HRA with provider					
Yes (n=1,208)	35.5	[32.2, 38.9]	64.5	[61.1, 67.8]	100.0
No (n=1,391)	25.6	[22.8, 28.6]	74.4	[71.4, 77.2]	100.0
Pearson: Uncorrected chi2(1) =	29.7420				
Design-based F(1.00, 2587.00) =	18.6489	Pr =	0.000		
Any HRA record (DW)					
Yes (n=1,234)	33.3	[30.1, 36.7]	66.7	[63.3, 69.9]	100.0
No (n=1,367)	27.1	[24.2, 30.2]	72.9	[69.8, 75.8]	100.0
Pearson: Uncorrected chi2(1) =	11.9644				
Design-based F(1.00, 2589.00) =	7.5026	Pr =	0.006		
Total (n=2,601)	29.9	[27.7, 32.1]	70.1	[67.9, 72.3]	100.0

Note: χ^2 test of independence.

2.9.2 Predictors of knowledge you may get reduction by completing HRA

	Knowledge you may get reduction by completing HRA			Knowledge you may get reduction by completing HRA		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.00	[0.744, 1.344]	1.000	1.01	[0.751, 1.355]	0.954
Received MIHA statement in the past year						
No/Not sure		Reference			Reference	
Yes	1.66	[1.288, 2.147]	0.000	1.73	[1.351, 2.227]	0.000
Discussed HRA with provider						
No		Reference				
Yes	1.60	[1.281, 1.995]	0.000			
Age						
19-35		Reference			Reference	
36-49	0.83	[0.630, 1.106]	0.208	0.83	[0.626, 1.098]	0.191
50-64	0.86	[0.644, 1.153]	0.316	0.87	[0.649, 1.170]	0.360
Gender						
Male		Reference			Reference	
Female	0.65	[0.519, 0.820]	0.000	0.66	[0.528, 0.829]	0.000
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.74	[0.523, 1.051]	0.093	0.80	[0.564, 1.129]	0.202
Hispanic	0.70	[0.454, 1.087]	0.112	0.71	[0.460, 1.094]	0.121
Other, non-Hispanic	0.94	[0.640, 1.381]	0.753	0.94	[0.641, 1.373]	0.743
FPL category						
0-35%		Reference			Reference	
36-99%	1.07	[0.826, 1.381]	0.616	1.08	[0.835, 1.390]	0.567
100%+	1.56	[1.187, 2.048]	0.001	1.56	[1.192, 2.040]	0.001
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.75	[0.565, 0.991]	0.043	0.73	[0.553, 0.970]	0.030
S Central/SW/SE	0.80	[0.587, 1.097]	0.168	0.79	[0.577, 1.075]	0.132
Detroit Metro	0.72	[0.525, 0.985]	0.040	0.68	[0.498, 0.935]	0.018
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.89	[0.692, 1.155]	0.391	0.92	[0.711, 1.182]	0.505
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.00	[0.696, 1.438]	0.999	1.08	[0.745, 1.553]	0.697
Mental health condition	0.83	[0.651, 1.067]	0.149	0.88	[0.687, 1.130]	0.318
Substance use disorder	1.39	[0.799, 2.431]	0.242	1.44	[0.826, 2.494]	0.200
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.00	[0.787, 1.277]	0.984	0.99	[0.780, 1.264]	0.955
Bachelor's/Post graduate degree	1.50	[1.081, 2.094]	0.016	1.50	[1.084, 2.083]	0.014
Any HRA record (DW)						
No					Reference	
Yes				1.27	[1.022, 1.588]	0.031
Constant	0.46	[0.305, 0.704]	0.000	0.48	[0.317, 0.734]	0.001
N	2,520			2,522		
F-value	4.509			3.928		
Model degrees of freedom	20.0			20.0		
Residual degrees of freedom	2,508.0			2,510.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

2.10 Knowledge some visits, tests, and medicines have no copays

2.10.1 Knowledge some visits, tests, and medicines have no copays by selected characteristics

| | Some kinds of visits, tests, and medicines have no copays | | | | Total |
| | Yes | | No/Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	61.5	[58.0, 65.0]	38.5	[35.0, 42.0]	100.0
Associate's degree/Some college (n=1,003)	69.6	[65.6, 73.4]	30.4	[26.6, 34.4]	100.0
Bachelor's/Post graduate degree (n=338)	76.7	[71.0, 81.6]	23.3	[18.4, 29.0]	100.0
Pearson: Uncorrected chi2(2) =	32.8708				
Design-based F(1.95, 5025.90) =	10.4155	Pr =	0.000		
Need help reading written materials					
Sometimes/Often/Always (n=403)	62.1	[56.0, 67.8]	37.9	[32.2, 44.0]	100.0
Never/Rarely (n=2,193)	67.5	[64.8, 70.0]	32.5	[30.0, 35.2]	100.0
Pearson: Uncorrected chi2(1) =	4.5949				
Design-based F(1.00, 2584.00) =	2.7348	Pr =	0.098		
Received MIHA statement in the past year					
Yes (n=1,749)	75.9	[73.2, 78.3]	24.1	[21.7, 26.8]	100.0
No/Not sure (n=851)	52.3	[48.1, 56.6]	47.7	[43.4, 51.9]	100.0
Pearson: Uncorrected chi2(1) =	154.4246				
Design-based F(1.00, 2588.00) =	90.2408	Pr =	0.000		
Any preventive service (DW)					
Yes (n=2,031)	68.7	[66.0, 71.4]	31.3	[28.6, 34.0]	100.0
No (n=571)	60.4	[55.2, 65.4]	39.6	[34.6, 44.8]	100.0
Pearson: Uncorrected chi2(1) =	15.8669				
Design-based F(1.00, 2590.00) =	8.4692	Pr =	0.004		
Total (n=2,602)	66.5	[64.1, 68.9]	33.5	[31.1, 35.9]	100.0

Note: χ^2 test of independence.

2.10.2 Predictors of knowledge some visits, tests, and medicines have no copays

	Knowledge some visits, tests, and medicines have no copays		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.82	[0.612, 1.100]	0.185
Received MIHA statement in the past year			
No/Not sure		Reference	
Yes	2.34	[1.845, 2.955]	0.000
Any preventive service (DW)			
No		Reference	
Yes	1.17	[0.891, 1.530]	0.261
Age			
19-35		Reference	
36-49	1.15	[0.866, 1.535]	0.329
50-64	1.20	[0.894, 1.615]	0.223
Gender			
Male		Reference	
Female	1.19	[0.945, 1.502]	0.138
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.86	[0.618, 1.186]	0.350
Hispanic	0.64	[0.425, 0.969]	0.035
Other, non-Hispanic	0.81	[0.558, 1.169]	0.258
FPL category			
0-35%		Reference	
36-99%	1.01	[0.785, 1.290]	0.960
100%+	1.04	[0.789, 1.372]	0.780
Region			
UP/NW/NE		Reference	
W/E Central/E	1.13	[0.836, 1.535]	0.422
S Central/SW/SE	1.04	[0.739, 1.464]	0.820
Detroit Metro	0.80	[0.575, 1.101]	0.169
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.05	[0.807, 1.363]	0.721
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.39	[0.947, 2.053]	0.092
Mental health condition	1.44	[1.111, 1.879]	0.006
Substance use disorder	1.00	[0.570, 1.740]	0.990
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.42	[1.109, 1.821]	0.005
Bachelor's/Post graduate degree	1.89	[1.314, 2.719]	0.001
Constant	0.77	[0.509, 1.150]	0.198
N	2,523		
F-value	6.524		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,511.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.11 Received MIHA statement in the past year

2.11.1 Received MIHA statement in the past year by selected characteristics

	Received MIHA statement in the past year				Total
	Yes		**No/Not sure**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	56.2	[52.6, 59.8]	43.8	[40.2, 47.4]	100.0
Associate's degree/Some college (n=1,002)	63.3	[59.2, 67.2]	36.7	[32.8, 40.8]	100.0
Bachelor's/Post graduate degree (n=338)	69.0	[62.5, 74.8]	31.0	[25.2, 37.5]	100.0
Pearson: Uncorrected chi2(2) =	22.2258				
Design-based F(1.98, 5109.37) =	6.7943	Pr =	0.001		
Homeless in last 12 months					
Yes (n=155)	49.5	[40.0, 59.0]	50.5	[41.0, 60.0]	100.0
No (n=2,442)	61.6	[59.0, 64.1]	38.4	[35.9, 41.0]	100.0
Pearson: Uncorrected chi2(1) =	11.7208				
Design-based F(1.00, 2585.00) =	5.9063	Pr =	0.015		
Number of places lived in past 3 years					
1-3 places (n=2,415)	61.5	[58.9, 64.1]	38.5	[35.9, 41.1]	100.0
4 or more places (n=164)	53.6	[43.7, 63.1]	46.4	[36.9, 56.3]	100.0
Pearson: Uncorrected chi2(1) =	4.5562				
Design-based F(1.00, 2567.00) =	2.4655	Pr =	0.116		
Need help reading written materials					
Sometimes/Often/Always (n=403)	56.2	[50.0, 62.1]	43.8	[37.9, 50.0]	100.0
Never/Rarely (n=2,192)	61.5	[58.8, 64.2]	38.5	[35.8, 41.2]	100.0
Pearson: Uncorrected chi2(1) =	4.2669				
Design-based F(1.00, 2583.00) =	2.5708	Pr =	0.109		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,460)	62.5	[59.1, 65.7]	37.5	[34.3, 40.9]	100.0
Uninsured all 12 months/Don't know (n=1,140)	58.3	[54.6, 62.0]	41.7	[38.0, 45.4]	100.0
Pearson: Uncorrected chi2(1) =	4.5951				
Design-based F(1.00, 2588.00) =	2.6434	Pr =	0.104		
Total (n=2,600)	60.6	[58.1, 63.0]	39.4	[37.0, 41.9]	100.0

Note: χ^2 test of independence.

2.11.2 Predictors of received MIHA statement in the past year

	Received MIHA statement in the past year		
	aOR	95% CI	p-value
Homeless in last 12 months			
No		Reference	
Yes	0.79	[0.499, 1.244]	0.307
Number of places lived in past 3 years			
1-3 places		Reference	
4 or more places	0.85	[0.536, 1.353]	0.497
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.81	[0.596, 1.095]	0.169
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.00	[0.791, 1.259]	0.985
Age			
19-35		Reference	
36-49	2.25	[1.697, 2.987]	0.000
50-64	2.94	[2.169, 3.973]	0.000
Gender			
Male		Reference	
Female	1.26	[0.999, 1.585]	0.051
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.62	[0.452, 0.849]	0.003
Hispanic	0.57	[0.377, 0.860]	0.007
Other, non-Hispanic	0.60	[0.418, 0.862]	0.006
FPL category			
0-35%		Reference	
36-99%	1.09	[0.851, 1.399]	0.492
100%+	1.57	[1.189, 2.076]	0.001
Region			
UP/NW/NE		Reference	
W/E Central/E	0.89	[0.651, 1.206]	0.443
S Central/SW/SE	0.91	[0.648, 1.269]	0.569
Detroit Metro	0.80	[0.572, 1.113]	0.184
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.26	[0.968, 1.627]	0.086
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.94	[0.653, 1.361]	0.754
Mental health condition	1.20	[0.929, 1.551]	0.162
Substance use disorder	0.96	[0.533, 1.716]	0.882
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.43	[1.118, 1.820]	0.004
Bachelor's/Post graduate degree	1.65	[1.146, 2.368]	0.007
Constant	0.88	[0.594, 1.312]	0.538
N	2,506		
F-value	7.170		
Model degrees of freedom	21.0		
Residual degrees of freedom	2,494.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.12 Carefully review MIHA statement

2.12.1 Carefully review MIHA statement by selected characteristics

	Carefully review MIHA statement				Total
	Strongly agree/Agree		Strongly disagree/Disagree/Neutral/Don't know		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=785)	79.1	[74.9, 82.7]	20.9	[17.3, 25.1]	100.0
Associate's degree/Some college (n=691)	82.0	[77.8, 85.6]	18.0	[14.4, 22.2]	100.0
Bachelor's/Post graduate degree (n=248)	84.9	[78.7, 89.6]	15.1	[10.4, 21.3]	100.0
Pearson: Uncorrected chi2(2) =	4.6223				
Design-based F(1.97, 3369.43) =	1.3834	Pr =	0.251		
Need help reading written materials					
Sometimes/Often/Always (n=238)	80.7	[73.5, 86.3]	19.3	[13.7, 26.5]	100.0
Never/Rarely (n=1,491)	81.2	[78.4, 83.8]	18.8	[16.2, 21.6]	100.0
Pearson: Uncorrected chi2(1) =	0.0413				
Design-based F(1.00, 1717.00) =	0.0232	Pr =	0.879		
Health status					
Excellent/Very good/Good (n=1,293)	82.9	[79.8, 85.5]	17.1	[14.5, 20.2]	100.0
Fair/Poor (n=437)	75.8	[70.3, 80.5]	24.2	[19.5, 29.7]	100.0
Pearson: Uncorrected chi2(1) =	10.5947				
Design-based F(1.00, 1718.00) =	6.3217	Pr =	0.012		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=999)	81.5	[78.1, 84.4]	18.5	[15.6, 21.9]	100.0
Uninsured all 12 months/Don't know (n=731)	80.7	[76.4, 84.4]	19.3	[15.6, 23.6]	100.0
Pearson: Uncorrected chi2(1) =	0.1696				
Design-based F(1.00, 1718.00) =	0.0912	Pr =	0.763		
May get reduction by completing HRA					
Yes (n=625)	84.5	[80.2, 88.0]	15.5	[12.0, 19.8]	100.0
No/Don't know (n=1,104)	79.3	[75.9, 82.3]	20.7	[17.7, 24.1]	100.0
Pearson: Uncorrected chi2(1) =	6.9236				
Design-based F(1.00, 1717.00) =	3.8430	Pr =	0.050		
Total (n=1,730)	81.1	[78.5, 83.5]	18.9	[16.5, 21.5]	100.0

Note: χ^2 test of independence.

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2.12.2 Predictors of carefully review MIHA statement

	Carefully review MIHA statement		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.21	[0.739, 1.984]	0.447
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.82	[1.224, 2.719]	0.003
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.95	[0.671, 1.353]	0.788
May get reduction by completing HRA			
No/Don't know		Reference	
Yes	1.39	[0.960, 2.007]	0.081
Age			
19-35		Reference	
36-49	1.42	[0.924, 2.190]	0.110
50-64	2.20	[1.387, 3.489]	0.001
Gender			
Male		Reference	
Female	1.55	[1.078, 2.224]	0.018
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.78	[0.464, 1.326]	0.365
Hispanic	0.81	[0.425, 1.537]	0.516
Other, non-Hispanic	0.43	[0.257, 0.723]	0.001
FPL category			
0-35%		Reference	
36-99%	1.03	[0.689, 1.533]	0.892
100%+	0.81	[0.531, 1.222]	0.308
Region			
UP/NW/NE		Reference	
W/E Central/E	0.89	[0.570, 1.400]	0.621
S Central/SW/SE	0.57	[0.350, 0.914]	0.020
Detroit Metro	0.58	[0.350, 0.952]	0.031
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.82	[0.534, 1.250]	0.351
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.95	[0.519, 1.740]	0.868
Mental health condition	0.97	[0.660, 1.429]	0.882
Substance use disorder	1.03	[0.453, 2.320]	0.952
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.32	[0.914, 1.896]	0.139
Bachelor's/Post graduate degree	1.30	[0.770, 2.208]	0.324
Constant	2.67	[1.314, 5.445]	0.007
N	1,687		
F-value	2.881		
Model degrees of freedom	21.0		
Residual degrees of freedom	1,675.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.13 MIHA statements help me be aware of health care costs

2.13.1 MIHA statements help me be aware of health care costs by selected characteristics

| | MIHA statements help me be aware of health care costs | | | | Total |
| | Strongly agree/Agree | | Strongly disagree/Disagree/Neutral | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=778)	86.0	[82.5, 88.9]	14.0	[11.1, 17.5]	100.0
Associate's degree/Some college (n=687)	79.9	[75.7, 83.6]	20.1	[16.4, 24.3]	100.0
Bachelor's/Post graduate degree (n=246)	76.4	[69.6, 82.2]	23.6	[17.8, 30.4]	100.0
Pearson: Uncorrected chi2(2) =	15.2815				
Design-based F(1.98, 3366.70) =	4.9215	Pr =	0.008		
Need help reading written materials					
Sometimes/Often/Always (n=236)	84.6	[78.4, 89.4]	15.4	[10.6, 21.6]	100.0
Never/Rarely (n=1,479)	81.6	[78.9, 84.1]	18.4	[15.9, 21.1]	100.0
Pearson: Uncorrected chi2(1) =	1.3465				
Design-based F(1.00, 1703.00) =	0.8726	Pr =	0.350		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=991)	79.2	[75.8, 82.3]	20.8	[17.7, 24.2]	100.0
Uninsured all 12 months/Don't know (n=725)	85.7	[82.1, 88.7]	14.3	[11.3, 17.9]	100.0
Pearson: Uncorrected chi2(1) =	11.9314				
Design-based F(1.00, 1704.00) =	7.1055	Pr =	0.008		
Total (n=1,716)	82.1	[79.6, 84.3]	17.9	[15.7, 20.4]	100.0

Note: χ^2 test of independence.

2.13.2 MIHA statements help me be aware of health care costs by selected characteristics (continued)

| | MIHA statements help me be aware of health care costs | | | | |
| | Strongly agree/Agree | | Strongly disagree/Disagree/Neutral | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Any ER visit (DW)					
Yes (n=839)	81.5	[78.0, 84.6]	18.5	[15.4, 22.0]	100.0
No (n=877)	82.7	[79.1, 85.7]	17.3	[14.3, 20.9]	100.0
Pearson: Uncorrected chi2(1) =	0.4044				
Design-based F(1.00, 1704.00) =	0.2453	Pr =	0.620		
Any inpatient visit (DW)					
Yes (n=256)	82.1	[75.7, 87.0]	17.9	[13.0, 24.3]	100.0
No (n=1,460)	82.1	[79.4, 84.5]	17.9	[15.5, 20.6]	100.40
Pearson: Uncorrected chi2(1) =	0.0000				
Design-based F(1.00, 1704.00) =	0.0000	Pr =	0.999		
Any dental visits (DW)					
Yes (n=918)	83.7	[80.3, 86.6]	16.3	[13.4, 19.7]	100.0
No (n=798)	80.4	[76.6, 83.6]	19.6	[16.4, 23.4]	100.0
Pearson: Uncorrected chi2(1) =	3.2708				
Design-based F(1.00, 1704.00) =	1.9764	Pr =	0.160		
Any eye visit (DW)					
Yes (n=750)	83.9	[80.4, 86.8]	16.1	[13.2, 19.6]	100.0
No (n=966)	80.9	[77.4, 83.9]	19.1	[16.1, 22.6]	100.0
Pearson: Uncorrected chi2(1) =	2.4583				
Design-based F(1.00, 1704.00) =	1.6247	Pr =	0.203		
Any mental health or substance use visits (DW)					
Yes (n=372)	81.8	[76.8, 85.9]	18.2	[14.1, 23.2]	100.0
No (n=1,344)	82.2	[79.3, 84.7]	17.8	[15.3, 20.7]	100.40
Pearson: Uncorrected chi2(1) =	0.0341				
Design-based F(1.00, 1704.00) =	0.0233	Pr =	0.879		
Total (n=1,716)	82.1	[79.6, 84.3]	17.9	[15.7, 20.4]	100.0

Note: χ^2 test of independence.

2.13.3 Predictors of MIHA statements help me be aware of health care costs

	MIHA statements help me be aware of health care costs		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.13	[0.699, 1.816]	0.624
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.66	[0.469, 0.937]	0.020
Any ER visit (DW)			
No		Reference	
Yes	0.83	[0.587, 1.178]	0.299
Any inpatient visit (DW)			
No		Reference	
Yes	1.01	[0.639, 1.584]	0.979
Any dental visit (DW)			
No		Reference	
Yes	1.23	[0.868, 1.731]	0.247
Any eye visit (DW)			
No		Reference	
Yes	1.12	[0.807, 1.554]	0.499
Any mental health or substance use visit (DW)			
No		Reference	
Yes	0.82	[0.528, 1.271]	0.373
Age			
19-35		Reference	
36-49	1.16	[0.741, 1.815]	0.518
50-64	0.97	[0.627, 1.516]	0.909
Gender			
Male		Reference	
Female	1.37	[0.965, 1.948]	0.078
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.49	[0.863, 2.565]	0.153
Hispanic	1.77	[0.826, 3.775]	0.142
Other, non-Hispanic	0.81	[0.451, 1.444]	0.470
FPL category			
0-35%		Reference	
36-99%	0.89	[0.612, 1.304]	0.559
100%+	1.27	[0.833, 1.939]	0.266
Region			
UP/NW/NE		Reference	
W/E Central/E	0.99	[0.661, 1.488]	0.969
S Central/SW/SE	0.80	[0.512, 1.265]	0.346
Detroit Metro	0.74	[0.467, 1.158]	0.184
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.89	[0.583, 1.343]	0.566
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.43	[0.775, 2.654]	0.251
Mental health condition	0.99	[0.663, 1.491]	0.978
Substance use disorder	0.91	[0.398, 2.063]	0.813
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.72	[0.500, 1.026]	0.069
Bachelor's/Post graduate degree	0.63	[0.394, 0.991]	0.046
Constant	6.65	[3.585, 12.344]	0.000
N	1,676		
F-value	1.331		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,664.0		
F-value significance	0.131		

Notes: Multiple logistic regression.

2.14 MIHA statements led me to change health care decisions

2.14.1 MIHA statements led me to change health care decisions by selected characteristics

	MIHA statements led me to change health care decisions				Total
	Strongly agree/Agree		**Strongly disagree/Disagree/Neutral/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=797)	39.5	[35.3, 43.9]	60.5	[56.1, 64.7]	100.0
Associate's degree/Some college (n=691)	31.7	[27.5, 36.4]	68.3	[63.6, 72.5]	100.0
Bachelor's/Post graduate degree (n=249)	15.0	[10.9, 20.4]	85.0	[79.6, 89.1]	100.0
Pearson: Uncorrected chi2(2) =	49.9072				
Design-based F(1.94, 3338.01) =	17.9776	Pr =	0.000		
Need help reading written materials					
Sometimes/Often/Always (n=244)	46.8	[39.2, 54.5]	53.2	[45.5, 60.8]	100.0
Never/Rarely (n=1,498)	30.5	[27.7, 33.6]	69.5	[66.4, 72.3]	100.0
Pearson: Uncorrected chi2(1) =	26.6443				
Design-based F(1.00, 1730.00) =	16.5143	Pr =	0.000		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,004)	29.7	[26.3, 33.3]	70.3	[66.7, 73.7]	100.0
Uninsured all 12 months/Don't know (n=739)	37.3	[32.9, 41.8]	62.7	[58.2, 67.1]	100.0
Pearson: Uncorrected chi2(1) =	11.1706				
Design-based F(1.00, 1731.00) =	6.9033	Pr =	0.009		
Forgone health care in last 12 months					
Yes (n=139)	30.7	[21.5, 41.8]	69.3	[58.2, 78.5]	100.0
No (n=1,600)	33.3	[30.5, 36.3]	66.7	[63.7, 69.5]	100.0
Pearson: Uncorrected chi2(1) =	0.4217				
Design-based F(1.00, 1727.00) =	0.2244	Pr =	0.636		
Forgone dental care in last 12 months					
Yes (n=315)	32.0	[25.7, 38.9]	68.0	[61.1, 74.3]	100.0
No (n=1,413)	33.4	[30.4, 36.6]	66.6	[63.4, 69.6]	100.0
Pearson: Uncorrected chi2(1) =	0.2588				
Design-based F(1.00, 1716.00) =	0.1509	Pr =	0.698		
Total (n=1,743)	33.0	[30.3, 35.9]	67.0	[64.1, 69.7]	100.0

Note: χ^2 test of independence.

2.14.2 MIHA statements led me to change health care decisions by selected characteristics (continued)

| | MIHA statements led me to change health care decisions | | | | |
| | Strongly agree/Agree | | Strongly disagree/Disagree/Neutral/Don't know | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Any ER visit (DW)					
Yes (n=851)	34.1	[30.3, 38.1]	65.9	[61.9, 69.7]	100.0
No (n=892)	31.9	[28.0, 36.1]	68.1	[63.9, 72.0]	100.0
Pearson: Uncorrected chi2(1) =	0.9150				
Design-based F(1.00, 1731.00) =	0.5675	Pr =	0.451		
Any inpatient visit (DW)					
Yes (n=258)	35.6	[29.0, 42.8]	64.4	[57.2, 71.0]	100.0
No (n=1,485)	32.5	[29.6, 35.7]	67.5	[64.3, 70.4]	100.0
Pearson: Uncorrected chi2(1) =	0.9719				
Design-based F(1.00, 1731.00) =	0.6546	Pr =	0.419		
Any dental visits (DW)					
Yes (n=935)	31.5	[27.9, 35.3]	68.5	[64.7, 72.1]	100.0
No (n=808)	34.7	[30.5, 39.0]	65.3	[61.0, 69.5]	100.0
Pearson: Uncorrected chi2(1) =	1.9804				
Design-based F(1.00, 1731.00) =	1.2391	Pr =	0.266		
Any eye visit (DW)					
Yes (n=763)	32.4	[28.4, 36.7]	67.6	[63.3, 71.6]	100.0
No (n=980)	33.4	[29.8, 37.3]	66.6	[62.7, 70.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1947				
Design-based F(1.00, 1731.00) =	0.1266	Pr =	0.722		
Any mental health or substance use visits (DW)					
Yes (n=378)	32.3	[26.9, 38.3]	67.7	[61.7, 73.1]	100.0
No (n=1,365)	33.2	[30.1, 36.5]	66.8	[63.5, 69.9]	100.0
Pearson: Uncorrected chi2(1) =	0.1027				
Design-based F(1.00, 1731.00) =	0.0661	Pr =	0.797		
Total (n=1,743)	33.0	[30.3, 35.9]	67.0	[64.1, 69.7]	100.0

Note: χ^2 test of independence.

2.14.3 Predictors of MIHA statements led me to change health care decisions

	MIHA statements led me to change health care decisions		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.78	[1.244, 2.549]	0.002
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.84	[0.635, 1.116]	0.231
Forgone health care in last 12 months			
No		Reference	
Yes	0.88	[0.525, 1.466]	0.617
Forgone dental care in last 12 months			
No		Reference	
Yes	1.04	[0.730, 1.474]	0.837
Any ER visit (DW)			
No		Reference	
Yes	0.96	[0.730, 1.275]	0.802
Any inpatient visit (DW)			
No		Reference	
Yes	0.91	[0.617, 1.329]	0.613
Any dental visit (DW)			
No		Reference	
Yes	0.88	[0.666, 1.152]	0.344
Any eye visit (DW)			
No		Reference	
Yes	0.98	[0.755, 1.284]	0.906
Any mental health or substance use visit (DW)			
No		Reference	
Yes	0.88	[0.603, 1.282]	0.504
Age			
19-35		Reference	
36-49	0.89	[0.627, 1.276]	0.538
50-64	0.87	[0.610, 1.252]	0.462
Gender			
Male		Reference	
Female	0.85	[0.647, 1.127]	0.265
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.68	[1.124, 2.516]	0.011
Hispanic	1.15	[0.672, 1.952]	0.617
Other, non-Hispanic	1.22	[0.765, 1.953]	0.400
FPL category			
0-35%		Reference	
36-99%	1.17	[0.868, 1.583]	0.298
100%+	1.20	[0.870, 1.646]	0.270
Region			
UP/NW/NE		Reference	
W/E Central/E	1.38	[0.982, 1.933]	0.063
S Central/SW/SE	1.15	[0.780, 1.695]	0.482
Detroit Metro	1.24	[0.845, 1.826]	0.270
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.28	[0.913, 1.781]	0.153
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.42	[0.859, 2.362]	0.170
Mental health condition	1.07	[0.770, 1.476]	0.699
Substance use disorder	1.03	[0.474, 2.252]	0.935
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.77	[0.576, 1.020]	0.068
Bachelor's/Post graduate degree	0.33	[0.212, 0.509]	0.000
Constant	0.44	[0.264, 0.737]	0.002
N	1,683		
F-value	2.605		
Model degrees of freedom	26.0		
Residual degrees of freedom	1,671.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.15 Amount I have to pay for HMP seems fair

2.15.1 Amount I have to pay for HMP seems fair by selected characteristics

	Amount I have to pay for HMP seems fair				Total
	Strongly agree/Agree		**Strongly disagree/Disagree/Neutral/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,249)	83.0	[80.2, 85.5]	17.0	[14.5, 19.8]	100.0
Associate's degree/Some college (n=1,003)	85.8	[82.4, 88.6]	14.2	[11.4, 17.6]	100.0
Bachelor's/Post graduate degree (n=338)	89.3	[85.0, 92.4]	10.7	[7.6, 15.0]	100.0
Pearson: Uncorrected chi2(2) =	8.6261				
Design-based F(1.90, 4906.49) =	2.7735	Pr =	0.065		
Homeless in last 12 months					
Yes (n=155)	80.7	[71.7, 87.3]	19.3	[12.7, 28.3]	100.0
No (n=2,441)	85.2	[83.3, 87.0]	14.8	[13.0, 16.7]	100.00
Pearson: Uncorrected chi2(1) =	3.0826				
Design-based F(1.00, 2584.00) =	1.4751	Pr =	0.225		
Health status					
Excellent/Very good/Good (n=1,947)	85.8	[83.6, 87.8]	14.2	[12.2, 16.4]	100.0
Fair/Poor (n=652)	81.6	[77.8, 85.0]	18.4	[15.0, 22.2]	100.0
Pearson: Uncorrected chi2(1) =	6.5387				
Design-based F(1.00, 2587.00) =	4.2104	Pr =	0.040		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,450)	92.7	[90.8, 94.3]	7.3	[5.7, 9.2]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	79.1	[72.6, 84.3]	20.9	[15.7, 27.4]	100.0
Pearson: Uncorrected chi2(1) =	55.9168				
Design-based F(1.00, 1717.00) =	32.3864	Pr =	0.000		
Total (n=2,599)	84.8	[82.9, 86.5]	15.2	[13.5, 17.1]	100.0

Note: χ^2 test of independence.

2.15.2 Amount I have to pay for HMP seems fair by selected characteristics (continued)

	Amount I have to pay for HMP seems fair				Total
	Strongly agree/Agree		Strongly disagree/Disagree/Neutral/Don't know		
	Row %	95% CI	Row %	95% CI	Row %
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,460)	85.8	[83.5, 87.9]	14.2	[12.1, 16.5]	100.0
Uninsured all 12 months/Don't know (n=1,139)	83.6	[80.4, 86.3]	16.4	[13.7, 19.6]	100.0
Pearson: Uncorrected chi2(1) =	2.5499				
Design-based F(1.00, 2587.00) =	1.4566	Pr =	0.228		
Forgone health care in 12 months prior to HMP					
Yes (n=658)	87.8	[84.3, 90.7]	12.2	[9.3, 15.7]	100.0
No (n=1,922)	84.1	[81.9, 86.1]	15.9	[13.9, 18.1]	100.0
Pearson: Uncorrected chi2(1) =	5.0709				
Design-based F(1.00, 2568.00) =	3.2483	Pr =	0.072		
Problems paying medical bills in 12 months prior to HMP					
Yes (n=979)	86.6	[83.2, 89.3]	13.4	[10.7, 16.8]	100.0
No (n=1,599)	84.2	[81.8, 86.3]	15.8	[13.7, 18.2]	100.0
Pearson: Uncorrected chi2(1) =	2.6634				
Design-based F(1.00, 2566.00) =	1.4850	Pr =	0.223		
Forgone health care in last 12 months					
Yes (n=203)	80.1	[72.5, 86.1]	19.9	[13.9, 27.5]	100.0
No (n=2,387)	85.3	[83.3, 87.1]	14.7	[12.9, 16.7]	100.0
Pearson: Uncorrected chi2(1) =	3.9812				
Design-based F(1.00, 2578.00) =	2.4740	Pr =	0.116		
Total (n=2,599)	84.8	[82.9, 86.5]	15.2	[13.5, 17.1]	100.0

Note: χ^2 test of independence.

2.15.3 Predictors of amount I have to pay for HMP seems fair

	Amount I have to pay for HMP seems fair		
	aOR	95% CI	p-value
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.81	[1.118, 2.945]	0.016
Homeless in last 12 months			
No		Reference	
Yes	0.63	[0.249, 1.586]	0.325
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.63	[0.374, 1.049]	0.076
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.20	[0.679, 2.118]	0.530
Problems paying medical bills in 12 months prior to HMP			
No		Reference	
Yes	1.13	[0.670, 1.896]	0.651
Forgone health care in last 12 months			
No		Reference	
Yes	0.54	[0.278, 1.062]	0.074
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	3.34	[2.185, 5.118]	0.000
Age			
19-35		Reference	
36-49	1.15	[0.668, 1.984]	0.612
50-64	0.85	[0.483, 1.480]	0.556
Gender			
Male		Reference	
Female	0.98	[0.621, 1.549]	0.933
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.33	[0.718, 2.464]	0.365
Hispanic	0.99	[0.372, 2.623]	0.981
Other, non-Hispanic	0.69	[0.345, 1.398]	0.307
FPL category			
0-35%		Reference	
36-99%	0.58	[0.330, 1.006]	0.052
100%+	0.39	[0.225, 0.686]	0.001
Region			
UP/NW/NE		Reference	
W/E Central/E	0.62	[0.334, 1.153]	0.131
S Central/SW/SE	0.48	[0.246, 0.941]	0.032
Detroit Metro	0.28	[0.143, 0.539]	0.000
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.07	[0.633, 1.815]	0.798
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	2.91	[1.364, 6.220]	0.006
Mental health condition	1.24	[0.769, 2.007]	0.375
Substance use disorder	2.20	[0.615, 7.872]	0.225
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.77	[1.040, 3.016]	0.035
Bachelor's/Post graduate degree	1.60	[0.834, 3.086]	0.156
Constant	7.59	[2.827, 20.394]	0.000
N	1,662		
F-value	4.865		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,650.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.16 Amount I pay for HMP is affordable

2.16.1 Amount I pay for HMP is affordable by selected characteristics

	Strongly agree/Agree Row %	95% CI	Strongly disagree/Disagree/Neutral/Don't know Row %	95% CI	Total Row %
Highest level of education					
High school or less (n=1,248)	84.7	[81.9, 87.2]	15.3	[12.8, 18.1]	100.0
Associate's degree/Some college (n=1,003)	88.5	[85.4, 91.0]	11.5	[9.0, 14.6]	100.0
Bachelor's/Post graduate degree (n=338)	91.7	[87.6, 94.5]	8.3	[5.5, 12.4]	100.0
Pearson: Uncorrected chi2(2) =	13.6090				
Design-based F(1.90, 4901.09) =	4.2538	Pr =	0.016		
Homeless in last 12 months					
Yes (n=155)	86.6	[78.6, 91.9]	13.4	[8.1, 21.4]	100.0
No (n=2,440)	87.1	[85.2, 88.8]	12.9	[11.2, 14.8]	100.00
Pearson: Uncorrected chi2(1) =	0.0498				
Design-based F(1.00, 2583.00) =	0.0252	Pr =	0.874		
Health status					
Excellent/Very good/Good (n=1,945)	87.6	[85.3, 89.5]	12.4	[10.5, 14.7]	100.0
Fair/Poor (n=653)	85.5	[81.9, 88.4]	14.5	[11.6, 18.1]	100.0
Pearson: Uncorrected chi2(1) =	1.8537				
Design-based F(1.00, 2586.00) =	1.1832	Pr =	0.277		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,450)	94.3	[92.5, 95.7]	5.7	[4.3, 7.5]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	80.6	[73.7, 86.0]	19.4	[14.0, 26.3]	100.0
Pearson: Uncorrected chi2(1) =	65.3492				
Design-based F(1.00, 1717.00) =	34.4350	Pr =	0.000		
Total (n=2,598)	87.1	[85.2, 88.7]	12.9	[11.3, 14.8]	100.0

Note: χ^2 test of independence.

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2.16.2 Amount I pay for HMP is affordable by selected characteristics (continued)

	Amount I pay for HMP is affordable				Total
	Strongly agree/Agree		**Strongly disagree/Disagree/Neutral/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,460)	88.2	[85.9, 90.2]	11.8	[9.8, 14.1]	100.0
Uninsured all 12 months/Don't know (n=1,138)	85.6	[82.6, 88.3]	14.4	[11.7, 17.4]	100.0
Pearson: Uncorrected chi2(1) =	3.8653				
Design-based F(1.00, 2586.00) =	2.1100	Pr =	0.146		
Forgone health care in 12 months prior to HMP					
Yes (n=658)	89.4	[85.8, 92.2]	10.6	[7.8, 14.2]	100.0
No (n=1,921)	86.6	[84.5, 88.5]	13.4	[11.5, 15.5]	100.0
Pearson: Uncorrected chi2(1) =	3.2466				
Design-based F(1.00, 2567.00) =	1.8491	Pr =	0.174		
Problems paying medical bills in 12 months prior to HMP					
Yes (n=979)	88.7	[85.5, 91.3]	11.3	[8.7, 14.5]	100.0
No (n=1,598)	86.4	[84.2, 88.4]	13.6	[11.6, 15.8]	100.0
Pearson: Uncorrected chi2(1) =	2.8055				
Design-based F(1.00, 2565.00) =	1.4499	Pr =	0.229		
Forgone health care in last 12 months					
Yes (n=203)	79.4	[71.2, 85.7]	20.6	[14.3, 28.8]	100.0
No (n=2,387)	87.7	[85.8, 89.4]	12.3	[10.6, 14.2]	100.0
Pearson: Uncorrected chi2(1) =	12.0317				
Design-based F(1.00, 2578.00) =	6.7829	Pr =	0.009		
Total (n=2,598)	87.1	[85.2, 88.7]	12.9	[11.3, 14.8]	100.0

Note: χ^2 test of independence.

2.16.3 Predictors of amount I pay for HMP is affordable

	Amount I pay for HMP is affordable		
	aOR	95% CI	p-value
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.93	[0.513, 1.679]	0.805
Homeless in last 12 months			
No		Reference	
Yes	0.65	[0.255, 1.656]	0.367
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.53	[0.304, 0.925]	0.026
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	0.85	[0.491, 1.477]	0.567
Problems paying medical bills in 12 months prior to HMP			
No		Reference	
Yes	1.23	[0.754, 1.990]	0.412
Forgone health care in last 12 months			
No		Reference	
Yes	0.54	[0.266, 1.095]	0.088
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	4.24	[2.589, 6.931]	0.000
Age			
19-35		Reference	
36-49	1.25	[0.672, 2.338]	0.478
50-64	1.17	[0.634, 2.145]	0.620
Gender			
Male		Reference	
Female	0.90	[0.568, 1.417]	0.641
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.20	[0.603, 2.387]	0.604
Hispanic	4.27	[0.669, 27.179]	0.125
Other, non-Hispanic	0.84	[0.406, 1.726]	0.630
FPL category			
0-35%		Reference	
36-99%	1.22	[0.674, 2.223]	0.507
100%+	0.44	[0.254, 0.762]	0.003
Region			
UP/NW/NE		Reference	
W/E Central/E	0.67	[0.312, 1.455]	0.315
S Central/SW/SE	0.36	[0.163, 0.799]	0.012
Detroit Metro	0.48	[0.207, 1.121]	0.090
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.69	[0.373, 1.283]	0.242
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.03	[0.435, 2.459]	0.940
Mental health condition	1.43	[0.832, 2.460]	0.195
Substance use disorder	1.59	[0.537, 4.705]	0.403
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	2.39	[1.384, 4.110]	0.002
Bachelor's/Post graduate degree	2.32	[1.040, 5.172]	0.040
Constant	10.87	[3.833, 30.837]	0.000
N	1,662		
F-value	4.545		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,650.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

2.17 Overall knowledge of HMP covered benefits and costs by forgone health care in last 12 months

	Overall knowledge of HMP covered benefits and costs			
	Mean	SE	95% CI	n
Forgone health care in last 12 months				
Yes	4.9	0.17	[4.6, 5.3]	203
No	4.9	0.05	[4.8, 5.0]	2,390

Note: Two sample t-test results, difference= -0.00, 95% CI (-0.31, 0.35), t(2,581)= -0.02, p = 0.982. Overall knowledge of HMP covered benefits and costs was defined as the count of correct answers to a series of 10 questions about HMP: (1) I could be dropped from the Healthy Michigan Plan for not paying my bill (correct answer = no); (2) I may get a reduction in the amount I might have to pay if I complete a health risk assessment (correct answer = yes); (3) Some kinds of visits, tests and medicines have no copays (correct answer = yes); Do you think the following are covered under Healthy Michigan Plan: (4) eyeglasses (correct answer = yes); (5) prescription medications (correct answer = yes); (6) routine dental care (correct answer = yes); (7) treatment to stop smoking (correct answer = yes); (8) birth control/family planning (correct answer = yes); (9) counseling for mental or emotional problems (correct answer = yes); (10) substance use treatment (correct answer = yes)

3 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

3.1 Forgone health care in last 12 months

3.1.1 Forgone health care in last 12 months by selected characteristics

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,244)	6.3	[4.9, 8.1]	93.7	[91.9, 95.1]	100.0
Associate's degree/Some college (n=1,002)	8.7	[6.6, 11.3]	91.3	[88.7, 93.4]	100.0
Bachelor's/Post graduate degree (n=338)	14.1	[9.8, 19.9]	85.9	[80.1, 90.2]	100.0
Pearson: Uncorrected chi2(2) =	20.6157				
Design-based F(1.99, 5117.38) =	6.2800	Pr =	0.002		
Caregiver					
Yes (n=745)	10.6	[8.0, 13.9]	89.4	[86.1, 92.0]	100.0
No (n=1,837)	7.3	[6.0, 9.0]	92.7	[91.0, 94.0]	100.0
Pearson: Uncorrected chi2(1) =	7.2160				
Design-based F(1.00, 2570.00) =	4.4004	Pr =	0.036		
Homeless in last 12 months					
Yes (n=154)	13.2	[7.9, 21.1]	86.8	[78.9, 92.1]	100.0
No (n=2,436)	7.7	[6.5, 9.2]	92.3	[90.8, 93.5]	100.0
Pearson: Uncorrected chi2(1) =	7.5555				
Design-based F(1.00, 2578.00) =	3.9025	Pr =	0.048		
Need help reading written materials					
Sometimes/Often/Always (n=401)	8.7	[6.0, 12.4]	91.3	[87.6, 94.0]	100.0
Never/Rarely (n=2,186)	8.1	[6.7, 9.7]	91.9	[90.3, 93.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1647				
Design-based F(1.00, 2575.00) =	0.1134	Pr =	0.736		
Health status					
Excellent/Very good/Good (n=1,943)	6.4	[5.1, 8.1]	93.6	[91.9, 94.9]	100.0
Fair/Poor (n=650)	13.7	[10.9, 17.0]	86.3	[83.0, 89.1]	100.0
Pearson: Uncorrected chi2(1) =	33.4254				
Design-based F(1.00, 2581.00) =	21.8572	Pr =	0.000		
Total (n=2,593)	8.2	[6.9, 9.7]	91.8	[90.3, 93.1]	100.0

Note: χ^2 test of independence.

3.1.2 Forgone health care in last 12 months by selected characteristics (continued)

| | Forgone health care in last 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	9.5	[7.7, 11.7]	90.5	[88.3, 92.3]	100.0
Uninsured all 12 months/Don't know (n=1,131)	6.6	[5.0, 8.6]	93.4	[91.4, 95.0]	100.0
Pearson: Uncorrected chi2(1) =	7.3511				
Design-based F(1.00, 2581.00) =	4.4793	Pr =	0.034		
New diagnosis since HMP enrollment					
Yes (n=840)	13.2	[10.3, 16.8]	86.8	[83.2, 89.7]	100.0
No (n=1,753)	6.1	[4.9, 7.5]	93.9	[92.5, 95.1]	100.0
Pearson: Uncorrected chi2(1) =	36.5842				
Design-based F(1.00, 2581.00) =	22.1848	Pr =	0.000		
Forgone health care in 12 months prior to HMP					
Yes (n=657)	16.7	[13.3, 20.6]	83.3	[79.4, 86.7]	100.0
No (n=1,919)	5.6	[4.4, 7.1]	94.4	[92.9, 95.6]	100.0
Pearson: Uncorrected chi2(1) =	75.5025				
Design-based F(1.00, 2564.00) =	46.1500	Pr =	0.000		
MIHA statements led me to change health care decisions					
Strongly agree/Agree (n=562)	7.9	[5.3, 11.7]	92.1	[88.3, 94.7]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=1,177)	8.9	[7.0, 11.1]	91.1	[88.9, 93.0]	100.0
Pearson: Uncorrected chi2(1) =	0.4217				
Design-based F(1.00, 1727.00) =	0.2244	Pr =	0.636		
Checked cost before receiving care in past 12 months					
Yes (n=628)	10.6	[7.9, 14.1]	89.4	[85.9, 92.1]	100.0
No (n=1,930)	7.3	[5.9, 8.9]	92.7	[91.1, 94.1]	100.0
Pearson: Uncorrected chi2(1) =	7.1110				
Design-based F(1.00, 2546.00) =	4.3860	Pr =	0.036		
Total (n=2,593)	8.2	[6.9, 9.7]	91.8	[90.3, 93.1]	100.0

Note: χ^2 test of independence.

3.1.3 Predictors of forgone health care in last 12 months

	Forgone health care in last 12 months		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.50	[0.897, 2.493]	0.123
Homeless in last 12 months			
No		Reference	
Yes	1.40	[0.635, 3.065]	0.406
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.92	[0.480, 1.780]	0.813
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.35	[0.210, 0.579]	0.000
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.67	[0.992, 2.821]	0.053
New diagnosis since HMP enrollment			
No		Reference	
Yes	1.43	[0.904, 2.278]	0.126
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.94	[1.159, 3.263]	0.012
Overall knowledge of HMP covered benefits and costs	1.01	[0.908, 1.132]	0.805
MIHA statements led me to change health care decisions			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	0.78	[0.466, 1.317]	0.357
Checked cost before receiving care in past 12 months			
No		Reference	
Yes	1.32	[0.780, 2.221]	0.303
Age			
19-35		Reference	
36-49	0.97	[0.510, 1.850]	0.929
50-64	0.77	[0.389, 1.532]	0.459
Gender			
Male		Reference	
Female	0.79	[0.491, 1.263]	0.320
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.43	[0.182, 1.022]	0.056
Hispanic	0.98	[0.352, 2.755]	0.976
Other, non-Hispanic	1.14	[0.489, 2.657]	0.762
FPL category			
0-35%		Reference	
36-99%	0.88	[0.515, 1.522]	0.659
100%+	1.04	[0.562, 1.920]	0.904
Region			
UP/NW/NE		Reference	
W/E Central/E	1.40	[0.756, 2.600]	0.284
S Central/SW/SE	1.73	[0.921, 3.233]	0.089
Detroit Metro	1.83	[0.923, 3.638]	0.083
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.09	[0.604, 1.951]	0.783
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.12	[0.539, 2.330]	0.760
Mental health condition	1.83	[1.025, 3.262]	0.041
Substance use disorder	3.78	[1.464, 9.762]	0.006
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.10	[0.657, 1.852]	0.709
Bachelor's/Post graduate degree	2.11	[1.143, 3.907]	0.017
Constant	0.04	[0.011, 0.118]	0.000
N	1,672		
F-value	3.892		
Model degrees of freedom	27.0		
Residual degrees of freedom	1,660.0		
F-value significance	0.000		

Notes: Multiple logistic regression. Bivariate tests for "Overall knowledge of HMP covered benefits and costs" are included in table 2.17.

3.2 Forgone dental care in last 12 months

3.2.1 Forgone dental care in last 12 months by selected characteristics

	Forgone dental care in last 12 months				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,240)	14.3	[12.0, 16.9]	85.7	[83.1, 88.0]	100.0
Associate's degree/Some college (n=997)	20.6	[17.4, 24.1]	79.4	[75.9, 82.6]	100.0
Bachelor's/Post graduate degree (n=334)	26.4	[20.7, 32.9]	73.6	[67.1, 79.3]	100.0
Pearson: Uncorrected chi2(2) =	30.2223				
Design-based F(1.99, 5104.09) =	9.3920	Pr =	0.000		
Caregiver					
Yes (n=738)	22.0	[18.2, 26.2]	78.0	[73.8, 81.8]	100.0
No (n=1,831)	17.0	[14.9, 19.3]	83.0	[80.7, 85.1]	100.0
Pearson: Uncorrected chi2(1) =	8.4575				
Design-based F(1.00, 2557.00) =	5.0261	Pr =	0.025		
Homeless in last 12 months					
Yes (n=155)	24.3	[16.8, 33.8]	75.7	[66.2, 83.2]	100.0
No (n=2,422)	17.8	[15.9, 19.8]	82.2	[80.2, 84.1]	100.0
Pearson: Uncorrected chi2(1) =	5.4736				
Design-based F(1.00, 2565.00) =	2.6220	Pr =	0.106		
Need help reading written materials					
Sometimes/Often/Always (n=397)	17.4	[13.1, 22.7]	82.6	[77.3, 86.9]	100.0
Never/Rarely (n=2,177)	18.5	[16.5, 20.7]	81.5	[79.3, 83.5]	100.0
Pearson: Uncorrected chi2(1) =	0.2951				
Design-based F(1.00, 2562.00) =	0.1707	Pr =	0.680		
Health status					
Excellent/Very good/Good (n=1,930)	17.4	[15.3, 19.7]	82.6	[80.3, 84.7]	100.0
Fair/Poor (n=650)	21.2	[17.5, 25.4]	78.8	[74.6, 82.5]	100.0
Pearson: Uncorrected chi2(1) =	4.6619				
Design-based F(1.00, 2568.00) =	2.9261	Pr =	0.087		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,453)	19.7	[17.3, 22.5]	80.3	[77.5, 82.7]	100.0
Uninsured all 12 months/Don't know (n=1,127)	16.6	[13.9, 19.6]	83.4	[80.4, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	4.3535				
Design-based F(1.00, 2568.00) =	2.5354	Pr =	0.111		
Total (n=2,580)	18.3	[16.4, 20.3]	81.7	[79.7, 83.6]	100.0

Note: χ^2 test of independence.

3.2.2 Forgone dental care in last 12 months by selected characteristics (continued)

| | **Forgone dental care in last 12 months** | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Forgone dental care in 12 months prior to HMP					
Yes (n=950)	31.8	[28.1, 35.8]	68.2	[64.2, 71.9]	100.0
No (n=1,616)	10.8	[9.1, 12.9]	89.2	[87.1, 90.9]	100.0
Pearson: Uncorrected chi2(1) =	173.1306				
Design-based F(1.00, 2554.00) =	105.3144	Pr =	0.000		
Knowledge that routine dental care is covered					
Yes (n=2,018)	15.4	[13.5, 17.6]	84.6	[82.4, 86.5]	100.0
No/Don't know (n=562)	28.4	[23.9, 33.5]	71.6	[66.5, 76.1]	100.0
Pearson: Uncorrected chi2(1) =	50.1274				
Design-based F(1.00, 2568.00) =	29.8974	Pr =	0.000		
Could be dropped from HMP for not paying my bill					
Yes/Don't know (n=2,213)	19.6	[17.5, 21.8]	80.4	[78.2, 82.5]	100.0
No (n=366)	10.7	[7.5, 15.1]	89.3	[84.9, 92.5]	100.0
Pearson: Uncorrected chi2(1) =	17.0629				
Design-based F(1.00, 2567.00) =	11.5744	Pr =	0.001		
MIHA statements led me to change health care decisions					
Strongly agree/Agree (n=559)	18.5	[14.8, 23.0]	81.5	[77.0, 85.2]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=1,169)	19.6	[16.7, 22.8]	80.4	[77.2, 83.3]	100.0
Pearson: Uncorrected chi2(1) =	0.2588				
Design-based F(1.00, 1716.00) =	0.1509	Pr =	0.698		
Checked cost before receiving care in past 12 months					
Yes (n=623)	23.6	[19.5, 28.4]	76.4	[71.6, 80.5]	100.0
No (n=1,921)	16.3	[14.3, 18.5]	83.7	[81.5, 85.7]	100.0
Pearson: Uncorrected chi2(1) =	17.0689				
Design-based F(1.00, 2532.00) =	9.9557	Pr =	0.002		
Total (n=2,580)	18.3	[16.4, 20.3]	81.7	[79.7, 83.6]	100.0

Note: χ^2 test of independence.

3.2.3 Predictors of forgone dental care in last 12 months

	Forgone dental care in last 12 months		
	aOR	95% CI	p-value
Caregiver			
No		Reference	
Yes	1.22	[0.847, 1.750]	0.287
Homeless in last 12 months			
No		Reference	
Yes	1.00	[0.542, 1.846]	1.000
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.02	[0.618, 1.692]	0.932
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.73	[0.485, 1.095]	0.128
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.30	[0.921, 1.829]	0.137
Forgone dental care in 12 months prior to HMP			
No		Reference	
Yes	2.98	[2.125, 4.186]	0.000
Knowledge that routine dental care is covered			
No/Don't know		Reference	
Yes	0.39	[0.273, 0.565]	0.000
Could be dropped from HMP for not paying my bill			
Yes/Don't know		Reference	
No	0.85	[0.502, 1.433]	0.539
MIHA statements led me to change health care decisions			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	1.01	[0.707, 1.438]	0.965
Checked cost before receiving care in past 12 months			
No		Reference	
Yes	1.15	[0.802, 1.650]	0.446
Age			
19-35		Reference	
36-49	1.08	[0.700, 1.671]	0.725
50-64	1.02	[0.632, 1.645]	0.937
Gender			
Male		Reference	
Female	0.92	[0.658, 1.299]	0.651
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.43	[0.250, 0.755]	0.003
Hispanic	0.81	[0.432, 1.527]	0.519
Other, non-Hispanic	0.43	[0.222, 0.847]	0.015
FPL category			
0-35%		Reference	
36-99%	0.97	[0.655, 1.427]	0.865
100%+	0.89	[0.587, 1.340]	0.568
Region			
UP/NW/NE		Reference	
W/E Central/E	0.85	[0.557, 1.300]	0.455
S Central/SW/SE	1.03	[0.629, 1.676]	0.916
Detroit Metro	1.33	[0.820, 2.172]	0.246
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.10	[0.743, 1.638]	0.627
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.01	[0.570, 1.803]	0.963
Mental health condition	1.18	[0.805, 1.715]	0.402
Substance use disorder	1.35	[0.632, 2.873]	0.439
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.65	[1.149, 2.366]	0.007
Bachelor's/Post graduate degree	2.08	[1.280, 3.373]	0.003
Constant	0.21	[0.094, 0.449]	0.000
N	1,659		
F-value	3.889		
Model degrees of freedom	27.0		
Residual degrees of freedom	1,647.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.3 Ability to get primary care

3.3.1 Ability to get primary care by selected characteristics

| | Ability to get primary care | | | | | | |
| | Better | | About the same | | Worse | | Total |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=1,225)	54.7	[51.1, 58.2]	43.7	[40.2, 47.3]	1.7	[1.0, 2.7]	100.0
Associate's degree/Some college (n=985)	50.8	[46.8, 54.8]	45.3	[41.4, 49.3]	3.8	[2.7, 5.5]	100.0
Bachelor's/Post graduate degree (n=332)	38.3	[32.2, 44.7]	55.8	[49.3, 62.1]	6.0	[3.7, 9.5]	100.0
Pearson: Uncorrected chi2(4) =	39.1488						
Design-based F(3.93, 9952.13) =	6.9830	Pr =	0.000				
Need help reading written materials							
Sometimes/Often/Always (n=399)	56.7	[50.6, 62.5]	42.7	[36.8, 48.8]	0.7	[0.2, 1.8]	100.0
Never/Rarely (n=2,146)	50.1	[47.4, 52.9]	46.3	[43.6, 49.1]	3.5	[2.7, 4.5]	100.0
Pearson: Uncorrected chi2(2) =	13.2004						
Design-based F(1.78, 4505.22) =	5.4861	Pr =	0.006				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,436)	37.3	[34.2, 40.6]	58.3	[55.0, 61.5]	4.4	[3.3, 5.8]	100.0
Uninsured all 12 months/Don't know (n=1,115)	67.6	[64.0, 71.1]	30.9	[27.5, 34.6]	1.4	[0.9, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	234.8934						
Design-based F(1.96, 4965.35) =	79.8694	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=645)	71.1	[66.6, 75.3]	25.6	[21.6, 30.0]	3.3	[2.0, 5.3]	100.0
No (n=1,887)	45.0	[42.1, 47.9]	52.0	[49.1, 54.9]	3.0	[2.2, 4.0]	100.0
Pearson: Uncorrected chi2(2) =	132.3139						
Design-based F(1.98, 4992.69) =	48.0290	Pr =	0.000				
Total (n=2,551)	51.2	[48.7, 53.7]	45.8	[43.3, 48.2]	3.0	[2.4, 3.9]	100.0

Note: χ^2 test of independence.

3.3.2 Predictors of ability to get primary care got better got better

	Ability to get primary care got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.19	[0.881, 1.614]	0.256
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.31	[0.245, 0.385]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	2.50	[1.901, 3.282]	0.000
Age			
19-35		Reference	
36-49	0.88	[0.666, 1.166]	0.376
50-64	0.88	[0.663, 1.176]	0.396
Gender			
Male		Reference	
Female	0.90	[0.712, 1.131]	0.361
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.03	[0.739, 1.438]	0.859
Hispanic	1.20	[0.794, 1.805]	0.389
Other, non-Hispanic	0.93	[0.630, 1.369]	0.707
FPL category			
0-35%		Reference	
36-99%	0.92	[0.721, 1.181]	0.525
100%+	0.82	[0.631, 1.071]	0.147
Region			
UP/NW/NE		Reference	
W/E Central/E	0.87	[0.656, 1.149]	0.323
S Central/SW/SE	0.97	[0.709, 1.316]	0.826
Detroit Metro	1.01	[0.734, 1.386]	0.957
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.94	[0.726, 1.229]	0.670
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.34	[0.928, 1.943]	0.118
Mental health condition	0.99	[0.775, 1.276]	0.965
Substance use disorder	1.02	[0.582, 1.802]	0.935
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.16	[0.908, 1.479]	0.236
Bachelor's/Post graduate degree	0.68	[0.486, 0.952]	0.025
Constant	1.98	[1.352, 2.913]	0.000
N	2,455		
F-value	9.608		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,443.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.4 Ability to get specialist care

3.4.1 Ability to get specialist care by selected characteristics

	Ability to get specialist care						
	Better		**About the same/Don't know**		**Worse**		**Total**
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=1,040)	48.7	[44.9, 52.6]	47.4	[43.5, 51.3]	3.9	[2.7, 5.5]	100.0
Associate's degree/Some college (n=821)	48.9	[44.6, 53.3]	43.7	[39.4, 48.1]	7.3	[5.4, 9.9]	100.0
Bachelor's/Post graduate degree (n=265)	39.2	[32.2, 46.7]	47.9	[40.6, 55.2]	12.9	[8.9, 18.3]	100.0
Pearson: Uncorrected chi2(4) =	34.0052						
Design-based F(3.96, 8368.98) =	5.8142	Pr =	0.000				
Need help reading written materials							
Sometimes/Often/Always (n=353)	52.8	[46.4, 59.0]	42.6	[36.5, 49.0]	4.6	[2.6, 7.9]	100.0
Never/Rarely (n=1,776)	46.7	[43.7, 49.7]	46.7	[43.7, 49.7]	6.6	[5.4, 8.2]	100.0
Pearson: Uncorrected chi2(2) =	5.5032						
Design-based F(1.99, 4222.82) =	1.8499	Pr =	0.157				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,207)	38.1	[34.6, 41.6]	52.5	[49.0, 56.1]	9.4	[7.7, 11.4]	100.0
Uninsured all 12 months/Don't know (n=926)	59.5	[55.3, 63.6]	38.0	[34.0, 42.2]	2.5	[1.3, 4.5]	100.0
Pearson: Uncorrected chi2(2) =	115.4650						
Design-based F(1.97, 4184.55) =	30.5074	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=542)	65.6	[60.2, 70.6]	27.8	[23.1, 33.1]	6.6	[4.4, 9.7]	100.0
No (n=1,575)	42.2	[39.1, 45.4]	51.6	[48.4, 54.7]	6.3	[5.0, 7.8]	100.0
Pearson: Uncorrected chi2(2) =	91.9617						
Design-based F(1.99, 4187.25) =	29.7210	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=1,647)	51.0	[47.9, 54.0]	42.1	[39.2, 45.2]	6.9	[5.5, 8.6]	100.0
No (n=215)	42.9	[34.5, 51.7]	54.7	[46.0, 63.2]	2.4	[1.0, 5.5]	100.0
Pearson: Uncorrected chi2(2) =	19.6638						
Design-based F(1.89, 3490.77) =	5.6676	Pr =	0.004				
Total (n=2,133)	47.7	[45.0, 50.4]	46.0	[43.3, 48.7]	6.3	[5.2, 7.6]	100.0

Note: χ^2 test of independence.

3.4.2 Predictors of ability to get specialist care got better

	Ability to get specialist care got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.14	[0.812, 1.613]	0.439
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.41	[0.310, 0.537]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	2.24	[1.624, 3.096]	0.000
PCP visit in past 12 months			
No		Reference	
Yes	1.36	[0.876, 2.098]	0.172
Age			
19-35		Reference	
36-49	1.18	[0.839, 1.663]	0.340
50-64	1.15	[0.817, 1.616]	0.424
Gender			
Male		Reference	
Female	1.04	[0.786, 1.365]	0.802
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.02	[0.677, 1.521]	0.942
Hispanic	1.24	[0.775, 1.989]	0.369
Other, non-Hispanic	0.86	[0.538, 1.367]	0.517
FPL category			
0-35%		Reference	
36-99%	0.85	[0.637, 1.136]	0.274
100%+	0.90	[0.658, 1.226]	0.499
Region			
UP/NW/NE		Reference	
W/E Central/E	0.73	[0.532, 0.992]	0.045
S Central/SW/SE	0.85	[0.592, 1.220]	0.378
Detroit Metro	0.78	[0.539, 1.132]	0.192
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.90	[0.651, 1.255]	0.546
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.33	[0.857, 2.075]	0.202
Mental health condition	1.04	[0.773, 1.388]	0.814
Substance use disorder	1.12	[0.577, 2.188]	0.731
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.09	[0.821, 1.460]	0.537
Bachelor's/Post graduate degree	0.76	[0.503, 1.154]	0.199
Constant	1.28	[0.746, 2.196]	0.369
N	1,797		
F-value	4.676		
Model degrees of freedom	21.0		
Residual degrees of freedom	1,785.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.5 Ability to get dental care

3.5.1 Ability to get dental care by selected characteristics

	Better		About the same/Don't know		Worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=1,123)	46.7	[43.0, 50.5]	46.2	[42.5, 50.0]	7.1	[5.5, 9.0]	100.0
Associate's degree/Some college (n=916)	44.3	[40.2, 48.5]	45.5	[41.3, 49.7]	10.2	[8.2, 12.6]	100.0
Bachelor's/Post graduate degree (n=295)	31.5	[25.7, 37.8]	46.9	[40.0, 54.0]	21.6	[16.7, 27.5]	100.0
Pearson: Uncorrected chi2(4) =	56.6268						
Design-based F(3.91, 9074.76) =	10.0973	Pr =	0.000				
Need help reading written materials							
Sometimes/Often/Always (n=364)	47.3	[41.1, 53.7]	45.5	[39.3, 51.9]	7.2	[4.7, 10.8]	100.0
Never/Rarely (n=1,974)	43.4	[40.6, 46.2]	46.1	[43.2, 48.9]	10.5	[9.1, 12.2]	100.0
Pearson: Uncorrected chi2(2) =	4.8016						
Design-based F(1.98, 4609.37) =	1.6051	Pr =	0.201				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,323)	33.0	[29.8, 36.3]	53.2	[49.8, 56.7]	13.8	[11.8, 16.0]	100.0
Uninsured all 12 months/Don't know (n=1,020)	57.2	[53.3, 61.1]	37.3	[33.6, 41.3]	5.4	[4.0, 7.3]	100.0
Pearson: Uncorrected chi2(2) =	150.3684						
Design-based F(1.99, 4629.83) =	47.9783	Pr =	0.000				
Forgone dental care in 12 months prior to HMP							
Yes (n=882)	60.9	[56.7, 64.9]	28.8	[25.0, 32.8]	10.3	[8.2, 12.9]	100.0
No (n=1,445)	34.5	[31.4, 37.8]	55.6	[52.3, 58.9]	9.9	[8.3, 11.7]	100.0
Pearson: Uncorrected chi2(2) =	169.9115						
Design-based F(1.97, 4551.03) =	56.7055	Pr =	0.000				
Knowledge that routine dental care is covered							
Yes (n=1,880)	49.4	[46.5, 52.3]	42.0	[39.1, 44.9]	8.6	[7.3, 10.2]	100.0
No/Don't know (n=462)	22.9	[18.3, 28.3]	61.8	[56.1, 67.2]	15.3	[12.0, 19.3]	100.0
Pearson: Uncorrected chi2(2) =	108.7566						
Design-based F(1.96, 4557.50) =	35.8868	Pr =	0.000				
Total (n=2,343)	44.0	[41.4, 46.6]	46.0	[43.4, 48.6]	10.0	[8.7, 11.4]	100.0

Note: χ^2 test of independence.

3.5.2 Predictors of ability to get dental care got better

	Ability to get dental care got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.02	[0.737, 1.407]	0.910
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.39	[0.303, 0.501]	0.000
Forgone dental care in 12 months prior to HMP			
No		Reference	
Yes	2.78	[2.175, 3.550]	0.000
Knowledge that routine dental care is covered			
No/Don't know		Reference	
Yes	3.69	[2.638, 5.158]	0.000
Age			
19-35		Reference	
36-49	0.96	[0.707, 1.294]	0.774
50-64	0.84	[0.616, 1.141]	0.262
Gender			
Male		Reference	
Female	0.87	[0.681, 1.123]	0.292
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.96	[0.665, 1.385]	0.827
Hispanic	1.30	[0.829, 2.041]	0.252
Other, non-Hispanic	0.90	[0.599, 1.356]	0.618
FPL category			
0-35%		Reference	
36-99%	0.97	[0.745, 1.256]	0.801
100%+	0.82	[0.617, 1.085]	0.164
Region			
UP/NW/NE		Reference	
W/E Central/E	0.93	[0.695, 1.242]	0.618
S Central/SW/SE	0.92	[0.658, 1.284]	0.622
Detroit Metro	0.89	[0.635, 1.257]	0.518
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.03	[0.772, 1.363]	0.859
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.85	[0.579, 1.241]	0.396
Mental health condition	1.11	[0.842, 1.467]	0.456
Substance use disorder	1.22	[0.638, 2.340]	0.545
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.94	[0.727, 1.218]	0.644
Bachelor's/Post graduate degree	0.58	[0.398, 0.841]	0.004
Constant	0.41	[0.248, 0.667]	0.000
N	2,260		
F-value	9.408		
Model degrees of freedom	21.0		
Residual degrees of freedom	2,248.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.6 Ability to get mental health care

3.6.1 Ability to get mental health care by selected characteristics

| | Ability to get mental health care | | | | | | |
| | Better | | About the same/Don't know | | Worse | | Total |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=819)	44.2	[39.9, 48.6]	53.2	[48.8, 57.5]	2.6	[1.4, 4.5]	100.0
Associate's degree/Some college (n=663)	42.1	[37.3, 47.1]	53.6	[48.6, 58.4]	4.3	[2.9, 6.5]	100.0
Bachelor's/Post graduate degree (n=185)	29.2	[21.8, 37.8]	59.5	[50.6, 67.8]	11.3	[6.8, 18.3]	100.0
Pearson: Uncorrected chi2(4) =	35.3919						
Design-based F(3.97, 6564.78) =	5.6704	Pr =	0.000				
Need help reading written materials							
Sometimes/Often/Always (n=281)	43.4	[36.5, 50.6]	53.6	[46.4, 60.7]	2.9	[1.3, 6.6]	100.0
Never/Rarely (n=1,387)	41.5	[38.2, 44.8]	54.1	[50.7, 57.4]	4.5	[3.3, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	1.5708						
Design-based F(2.00, 3310.62) =	0.5072	Pr =	0.602				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=939)	32.1	[28.4, 36.1]	61.9	[57.8, 65.8]	6.0	[4.4, 8.1]	100.0
Uninsured all 12 months/Don't know (n=733)	53.3	[48.6, 57.9]	44.7	[40.1, 49.4]	2.1	[1.0, 4.0]	100.0
Pearson: Uncorrected chi2(2) =	82.5291						
Design-based F(2.00, 3315.12) =	23.8134	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=425)	58.6	[52.6, 64.3]	36.5	[31.0, 42.4]	4.9	[2.7, 8.7]	100.0
No (n=1,236)	36.5	[33.1, 40.1]	59.4	[55.8, 62.9]	4.0	[2.9, 5.5]	100.0
Pearson: Uncorrected chi2(2) =	64.7519						
Design-based F(1.99, 3281.65) =	19.9669	Pr =	0.000				
Knowledge that mental health counseling is covered							
Yes (n=1,072)	49.2	[45.4, 53.1]	46.5	[42.7, 50.4]	4.3	[3.0, 6.1]	100.0
No/Don't know (n=600)	28.9	[24.6, 33.5]	67.1	[62.3, 71.5]	4.1	[2.6, 6.4]	100.0
Pearson: Uncorrected chi2(2) =	68.6663						
Design-based F(2.00, 3315.10) =	22.4625	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=1,250)	44.9	[41.5, 48.4]	50.4	[46.9, 53.8]	4.7	[3.4, 6.5]	100.0
No (n=181)	37.3	[28.5, 46.9]	62.0	[52.3, 70.7]	0.8	[0.2, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	15.4212						
Design-based F(1.60, 2275.61) =	5.2779	Pr =	0.009				
Total (n=1,672)	41.8	[38.8, 44.9]	54.0	[50.9, 57.0]	4.2	[3.2, 5.6]	100.0

Note: χ^2 test of independence.

3.6.2 Predictors of ability to get mental health care got better

	Ability to get mental health care got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.98	[0.657, 1.466]	0.928
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.35	[0.254, 0.493]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	2.03	[1.429, 2.871]	0.000
Knowledge that mental health counseling is covered			
No/Don't know		Reference	
Yes	1.98	[1.396, 2.797]	0.000
PCP visit in past 12 months			
No		Reference	
Yes	1.08	[0.649, 1.790]	0.773
Age			
19-35		Reference	
36-49	0.82	[0.551, 1.221]	0.330
50-64	0.77	[0.510, 1.163]	0.214
Gender			
Male		Reference	
Female	1.04	[0.746, 1.439]	0.830
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.19	[0.716, 1.969]	0.505
Hispanic	1.88	[1.062, 3.329]	0.030
Other, non-Hispanic	1.07	[0.632, 1.796]	0.811
FPL category			
0-35%		Reference	
36-99%	0.80	[0.571, 1.116]	0.187
100%+	0.84	[0.578, 1.217]	0.355
Region			
UP/NW/NE		Reference	
W/E Central/E	0.71	[0.503, 1.015]	0.061
S Central/SW/SE	1.07	[0.721, 1.601]	0.724
Detroit Metro	0.67	[0.435, 1.039]	0.074
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.97	[0.663, 1.427]	0.887
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	2.22	[1.330, 3.700]	0.002
Mental health condition	1.87	[1.279, 2.737]	0.001
Substance use disorder	1.21	[0.451, 3.242]	0.705
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.13	[0.812, 1.576]	0.464
Bachelor's/Post graduate degree	0.65	[0.389, 1.073]	0.092
Constant	0.65	[0.347, 1.225]	0.184
N	1,387		
F-value	5.289		
Model degrees of freedom	22.0		
Residual degrees of freedom	1,375.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.7 Ability to get substance use treatment services

3.7.1 Ability to get substance use treatment services by selected characteristics

	Ability to get substance use treatment services						Total
	Better		About the same/Don't know		Worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=489)	36.6	[31.4, 42.2]	62.5	[56.8, 67.8]	0.9	[0.2, 3.9]	100.0
Associate's degree/Some college (n=333)	29.9	[24.0, 36.5]	69.3	[62.7, 75.2]	0.9	[0.3, 2.8]	100.0
Bachelor's/Post graduate degree (n=83)	11.5	[6.5, 19.7]	78.5	[67.5, 86.6]	9.9	[4.5, 20.7]	100.0
Pearson: Uncorrected chi2(4) =	56.2977						
Design-based F(3.62, 3232.52) =	9.4716	Pr =	0.000				
Need help reading written materials							
Sometimes/Often/Always (n=148)	35.9	[27.1, 45.7]	62.7	[52.8, 71.7]	1.4	[0.3, 7.0]	100.0
Never/Rarely (n=759)	31.0	[27.0, 35.4]	67.1	[62.8, 71.3]	1.8	[0.9, 3.6]	100.0
Pearson: Uncorrected chi2(2) =	1.4015						
Design-based F(2.00, 1789.93) =	0.4636	Pr =	0.629				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=480)	22.1	[17.7, 27.1]	76.2	[71.1, 80.7]	1.7	[0.8, 3.7]	100.0
Uninsured all 12 months/Don't know (n=429)	42.7	[36.8, 48.7]	55.5	[49.5, 61.4]	1.8	[0.6, 4.9]	100.0
Pearson: Uncorrected chi2(2) =	44.7697						
Design-based F(2.00, 1790.97) =	13.4348	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=216)	46.6	[38.6, 54.7]	49.8	[41.7, 57.9]	3.6	[1.6, 8.0]	100.0
No (n=686)	27.7	[23.6, 32.2]	71.1	[66.5, 75.2]	1.2	[0.5, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	32.9745						
Design-based F(1.99, 1774.69) =	10.5864	Pr =	0.000				
Knowledge that substance use treatment is covered							
Yes (n=406)	44.7	[38.6, 51.0]	54.5	[48.3, 60.7]	0.7	[0.2, 2.8]	100.0
No/Don't know (n=503)	22.0	[18.0, 26.6]	75.5	[70.7, 79.7]	2.5	[1.2, 5.2]	100.0
Pearson: Uncorrected chi2(2) =	55.0789						
Design-based F(2.00, 1792.87) =	18.7028	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=627)	32.6	[28.3, 37.2]	66.0	[61.3, 70.3]	1.5	[0.7, 3.2]	100.0
No (n=126)	37.2	[26.7, 49.1]	62.6	[50.7, 73.1]	0.2	[0.0, 1.7]	100.0
Pearson: Uncorrected chi2(2) =	2.6945						
Design-based F(1.39, 1029.72) =	1.0392	Pr =	0.332				
Total (n=909)	31.8	[28.2, 35.8]	66.4	[62.4, 70.2]	1.8	[0.9, 3.3]	100.0

Note: χ^2 test of independence.

3.7.2 Predictors of ability to get substance use treatment services got better

	Ability to get substance use treatment services got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.95	[0.504, 1.780]	0.866
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.34	[0.214, 0.529]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.68	[1.041, 2.728]	0.034
Knowledge that substance use treatment is covered			
No/Don't know		Reference	
Yes	2.66	[1.716, 4.121]	0.000
PCP visit in past 12 months			
No		Reference	
Yes	0.50	[0.280, 0.903]	0.022
Age			
19-35		Reference	
36-49	1.00	[0.585, 1.701]	0.994
50-64	0.86	[0.481, 1.533]	0.605
Gender			
Male		Reference	
Female	1.18	[0.727, 1.927]	0.497
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.78	[0.417, 1.469]	0.446
Hispanic	1.64	[0.807, 3.339]	0.171
Other, non-Hispanic	0.91	[0.440, 1.902]	0.811
FPL category			
0-35%		Reference	
36-99%	1.06	[0.653, 1.707]	0.825
100%+	0.82	[0.474, 1.419]	0.478
Region			
UP/NW/NE		Reference	
W/E Central/E	0.72	[0.398, 1.288]	0.264
S Central/SW/SE	1.06	[0.561, 2.018]	0.850
Detroit Metro	1.03	[0.537, 1.992]	0.920
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.24	[0.764, 2.006]	0.386
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	3.19	[1.719, 5.933]	0.000
Mental health condition	1.86	[1.118, 3.097]	0.017
Substance use disorder	1.39	[0.514, 3.734]	0.519
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.79	[0.500, 1.251]	0.316
Bachelor's/Post graduate degree	0.20	[0.083, 0.461]	0.000
Constant	0.63	[0.280, 1.418]	0.264
N	728		
F-value	4.747		
Model degrees of freedom	22.0		
Residual degrees of freedom	716.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.8 Ability to get prescription medications

3.8.1 Ability to get prescription medications by selected characteristics

	Better		About the same		Worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=1,136)	62.8	[59.2, 66.3]	34.6	[31.1, 38.2]	2.6	[1.7, 3.9]	100.0
Associate's degree/Some college (n=905)	61.3	[57.3, 65.2]	35.7	[31.9, 39.7]	3.0	[2.0, 4.5]	100.0
Bachelor's/Post graduate degree (n=301)	55.8	[48.8, 62.6]	36.0	[29.6, 43.0]	8.2	[5.0, 13.1]	100.0
Pearson: Uncorrected chi2(4) =	23.3314						
Design-based F(3.96, 9234.77) =	4.0578	Pr =	0.003				
Need help reading written materials							
Sometimes/Often/Always (n=367)	64.9	[58.9, 70.6]	31.6	[26.1, 37.5]	3.5	[1.9, 6.2]	100.0
Never/Rarely (n=1,978)	60.8	[58.0, 63.5]	35.8	[33.2, 38.6]	3.4	[2.6, 4.5]	100.0
Pearson: Uncorrected chi2(2) =	2.5853						
Design-based F(1.98, 4610.65) =	0.9336	Pr =	0.392				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,345)	49.6	[46.2, 53.0]	45.3	[42.0, 48.7]	5.1	[3.9, 6.7]	100.0
Uninsured all 12 months/Don't know (n=1,004)	75.7	[72.2, 78.9]	22.9	[19.8, 26.4]	1.3	[0.7, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	171.7668						
Design-based F(1.98, 4627.58) =	57.4986	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=610)	81.9	[77.9, 85.2]	13.7	[10.8, 17.2]	4.4	[2.8, 7.0]	100.0
No (n=1,721)	54.6	[51.5, 57.5]	42.3	[39.4, 45.3]	3.1	[2.3, 4.2]	100.0
Pearson: Uncorrected chi2(2) =	156.6477						
Design-based F(2.00, 4634.80) =	56.5717	Pr =	0.000				
Knowledge that prescription medications are covered							
Yes (n=2,240)	63.4	[60.9, 65.9]	33.5	[31.1, 36.0]	3.1	[2.3, 4.1]	100.0
No/Don't know (n=109)	29.8	[20.1, 41.8]	61.7	[49.7, 72.4]	8.5	[4.8, 14.5]	100.0
Pearson: Uncorrected chi2(2) =	64.8546						
Design-based F(1.81, 4220.27) =	20.2605	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=1,821)	63.5	[60.7, 66.2]	32.7	[30.1, 35.3]	3.9	[2.9, 5.1]	100.0
No (n=248)	55.7	[47.6, 63.5]	41.9	[34.2, 50.1]	2.4	[1.2, 4.6]	100.0
Pearson: Uncorrected chi2(2) =	11.0546						
Design-based F(1.77, 3634.65) =	3.6143	Pr =	0.032				
Total (n=2,349)	61.4	[58.9, 63.9]	35.2	[32.8, 37.6]	3.4	[2.7, 4.4]	100.0

Note: χ^2 test of independence.

3.8.2 Predictors of ability to get prescription medications got better

	Ability to get prescription medications got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.03	[0.703, 1.509]	0.880
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.27	[0.205, 0.361]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	3.30	[2.367, 4.602]	0.000
Knowledge that prescription medications are covered			
No/Don't know		Reference	
Yes	3.50	[1.877, 6.517]	0.000
PCP visit in past 12 months			
No		Reference	
Yes	1.50	[1.040, 2.160]	0.030
Age			
19-35		Reference	
36-49	0.75	[0.549, 1.033]	0.078
50-64	0.70	[0.500, 0.967]	0.031
Gender			
Male		Reference	
Female	0.89	[0.679, 1.167]	0.399
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.47	[1.004, 2.157]	0.048
Hispanic	1.19	[0.702, 2.025]	0.514
Other, non-Hispanic	0.78	[0.500, 1.205]	0.259
FPL category			
0-35%		Reference	
36-99%	0.83	[0.624, 1.111]	0.214
100%+	0.83	[0.613, 1.118]	0.218
Region			
UP/NW/NE		Reference	
W/E Central/E	0.89	[0.649, 1.213]	0.454
S Central/SW/SE	1.35	[0.935, 1.939]	0.110
Detroit Metro	1.09	[0.763, 1.555]	0.639
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.32	[0.984, 1.763]	0.065
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.11	[0.738, 1.679]	0.609
Mental health condition	1.14	[0.858, 1.514]	0.367
Substance use disorder	1.12	[0.548, 2.303]	0.751
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.95	[0.722, 1.242]	0.692
Bachelor's/Post graduate degree	0.96	[0.655, 1.394]	0.813
Constant	0.62	[0.293, 1.307]	0.208
N	1,997		
F-value	8.277		
Model degrees of freedom	22.0		
Residual degrees of freedom	1,985.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.9 Ability to get cancer screening

3.9.1 Ability to get cancer screening by selected characteristics

	Better Row %	95% CI	About the same/Don't know Row %	95% CI	Worse Row %	95% CI	Total Row %
Highest level of education							
High school or less (n=649)	38.3	[33.6, 43.1]	61.4	[56.5, 66.0]	0.4	[0.1, 2.6]	100.0
Associate's degree/Some college (n=544)	40.9	[35.7, 46.3]	58.2	[52.8, 63.4]	1.0	[0.4, 2.2]	100.0
Bachelor's/Post graduate degree (n=166)	33.2	[25.6, 41.9]	63.0	[54.1, 71.1]	3.8	[1.2, 11.1]	100.0
Pearson: Uncorrected chi2(4) =	16.9011						
Design-based F(3.80, 5122.12) =	2.5622	Pr =	0.039				
Need help reading written materials							
Sometimes/Often/Always (n=222)	44.2	[36.3, 52.4]	55.8	[47.6, 63.7]	0.0		100.0
Never/Rarely (n=1,140)	37.8	[34.3, 41.5]	61.0	[57.3, 64.5]	1.2	[0.6, 2.3]	100.0
Pearson: Uncorrected chi2(2) =	5.4696						
Design-based F(2.00, 2699.17) =	1.6929	Pr =	0.184				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=759)	29.1	[25.2, 33.3]	69.7	[65.4, 73.7]	1.2	[0.5, 2.7]	100.0
Uninsured all 12 months/Don't know (n=605)	50.7	[45.5, 55.8]	48.6	[43.4, 53.8]	0.8	[0.2, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	66.1448						
Design-based F(2.00, 2703.70) =	19.9033	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=371)	57.3	[50.9, 63.5]	41.2	[35.1, 47.7]	1.4	[0.5, 4.1]	100.0
No (n=983)	32.8	[29.2, 36.7]	66.4	[62.5, 70.0]	0.9	[0.3, 2.1]	100.0
Pearson: Uncorrected chi2(2) =	67.4028						
Design-based F(2.00, 2683.35) =	21.6512	Pr =	0.000				
Some kinds of visits, tests, and medicines have no copays							
Yes (n=954)	43.8	[39.9, 47.8]	55.5	[51.5, 59.4]	0.7	[0.3, 1.7]	100.0
No/Don't know (n=410)	29.4	[24.0, 35.4]	69.0	[62.9, 74.5]	1.6	[0.6, 4.3]	100.0
Pearson: Uncorrected chi2(2) =	28.4777						
Design-based F(1.99, 2694.23) =	8.4009	Pr =	0.000				
PCP visit in past 12 months							
Yes (n=1,052)	41.5	[37.9, 45.3]	57.3	[53.5, 60.9]	1.2	[0.6, 2.6]	100.0
No (n=139)	39.4	[29.1, 50.7]	60.6	[49.3, 70.9]	0.0		100.0
Pearson: Uncorrected chi2(2) =	2.8667						
Design-based F(1.96, 2308.73) =	0.6873	Pr =	0.500				
Total (n=1,364)	38.9	[35.7, 42.2]	60.1	[56.8, 63.3]	1.0	[0.5, 2.0]	100.0

Note: χ^2 test of independence.

3.9.2 Predictors of ability to get cancer screening got better

	Ability to get cancer screening got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.94	[0.588, 1.520]	0.815
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.34	[0.235, 0.482]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.88	[1.304, 2.703]	0.001
Some kinds of visits, tests, and medicines have no copays			
No/Don't know		Reference	
Yes	1.53	[1.032, 2.262]	0.034
PCP visit in past 12 months			
No		Reference	
Yes	0.78	[0.455, 1.328]	0.356
Age			
19-35		Reference	
36-49	1.62	[1.039, 2.531]	0.033
50-64	1.50	[0.983, 2.303]	0.060
Gender			
Male		Reference	
Female	1.37	[0.950, 1.989]	0.091
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.27	[0.786, 2.047]	0.330
Hispanic	1.20	[0.644, 2.222]	0.570
Other, non-Hispanic	0.72	[0.365, 1.406]	0.332
FPL category			
0-35%		Reference	
36-99%	0.94	[0.651, 1.345]	0.719
100%+	0.90	[0.617, 1.318]	0.593
Region			
UP/NW/NE		Reference	
W/E Central/E	0.70	[0.469, 1.038]	0.076
S Central/SW/SE	0.85	[0.528, 1.374]	0.510
Detroit Metro	0.87	[0.546, 1.371]	0.537
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.11	[0.725, 1.713]	0.622
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.96	[1.087, 3.540]	0.025
Mental health condition	1.23	[0.851, 1.781]	0.270
Substance use disorder	1.53	[0.713, 3.297]	0.273
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.39	[0.963, 1.997]	0.079
Bachelor's/Post graduate degree	0.86	[0.522, 1.413]	0.549
Constant	0.56	[0.273, 1.160]	0.119
N	1,150		
F-value	4.455		
Model degrees of freedom	22.0		
Residual degrees of freedom	1,138.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.10 Ability to get help staying healthy/preventing health problems

3.10.1 Ability to get help staying healthy/preventing health problems by selected characteristics

	Ability to get help staying healthy/preventing health problems						Total
	Better		About the same/Don't know		Worse		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=1,093)	53.6	[49.8, 57.3]	44.6	[40.9, 48.4]	1.8	[1.0, 3.2]	100.0
Associate's degree/Some college (n=903)	51.6	[47.4, 55.8]	47.3	[43.1, 51.6]	1.1	[0.6, 1.9]	100.0
Bachelor's/Post graduate degree (n=288)	41.3	[34.6, 48.3]	54.7	[47.7, 61.6]	4.0	[1.9, 8.4]	100.0
Pearson: Uncorrected chi2(4) =	21.2327						
Design-based F(3.91, 8874.60) =	3.5770		Pr =	0.007			
Need help reading written materials							
Sometimes/Often/Always (n=346)	56.1	[49.5, 62.4]	41.7	[35.4, 48.2]	2.3	[0.8, 6.3]	100.0
Never/Rarely (n=1,939)	50.6	[47.7, 53.5]	47.8	[44.9, 50.6]	1.6	[1.1, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	4.9684						
Design-based F(1.96, 4456.94) =	1.3193		Pr =	0.267			
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=1,308)	40.3	[37.0, 43.8]	57.5	[54.0, 60.8]	2.2	[1.4, 3.4]	100.0
Uninsured all 12 months/Don't know (n=981)	65.0	[60.9, 68.8]	33.9	[30.1, 38.0]	1.1	[0.5, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	137.7234						
Design-based F(2.00, 4548.29) =	38.3434		Pr =	0.000			
Forgone health care in 12 months prior to HMP							
Yes (n=589)	70.3	[65.4, 74.7]	27.5	[23.2, 32.3]	2.3	[1.2, 4.3]	100.0
No (n=1,681)	45.8	[42.8, 48.9]	52.6	[49.5, 55.7]	1.6	[1.0, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	106.4360						
Design-based F(2.00, 4515.57) =	34.7385		Pr =	0.000			
Forgone dental care in 12 months prior to HMP							
Yes (n=860)	67.7	[63.6, 71.6]	30.8	[26.9, 34.9]	1.5	[0.8, 2.8]	100.0
No (n=1,414)	42.2	[38.9, 45.5]	55.9	[52.6, 59.2]	1.9	[1.1, 3.0]	100.0
Pearson: Uncorrected chi2(2) =	138.4062						
Design-based F(1.99, 4498.78) =	45.4996		Pr =	0.000			
Some kinds of visits, tests, and medicines have no copays							
Yes (n=1,619)	55.0	[51.9, 58.0]	43.5	[40.5, 46.6]	1.5	[0.9, 2.4]	100.0
No/Don't know (n=670)	44.3	[39.4, 49.2]	53.5	[48.6, 58.4]	2.2	[1.2, 4.1]	100.0
Pearson: Uncorrected chi2(2) =	23.7085						
Design-based F(1.99, 4541.23) =	6.9679		Pr =	0.001			
PCP visit in past 12 months							
Yes (n=1,768)	53.4	[50.5, 56.4]	44.9	[42.0, 47.8]	1.7	[1.1, 2.7]	100.0
No (n=240)	52.0	[43.9, 60.0]	47.1	[39.1, 55.2]	0.9	[0.1, 6.4]	100.0
Pearson: Uncorrected chi2(2) =	1.3485						
Design-based F(1.95, 3892.73) =	0.2751		Pr =	0.754			
Total (n=2,289)	51.4	[48.8, 54.1]	46.8	[44.2, 49.5]	1.7	[1.2, 2.5]	100.0

Note: χ^2 test of independence.

3.10.2 Predictors of ability to get help staying healthy/preventing health problems got better

	Ability to get help staying healthy/preventing health problems got better		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.20	[0.827, 1.733]	0.341
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.36	[0.275, 0.478]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.68	[1.201, 2.360]	0.003
Forgone dental care in 12 months prior to HMP			
No		Reference	
Yes	2.44	[1.847, 3.218]	0.000
Some kinds of visits, tests, and medicines have no copays			
No/Don't know		Reference	
Yes	1.39	[1.032, 1.863]	0.030
PCP visit in past 12 months			
No		Reference	
Yes	0.85	[0.574, 1.264]	0.425
Age			
19-35		Reference	
36-49	0.91	[0.659, 1.258]	0.569
50-64	1.16	[0.819, 1.632]	0.409
Gender			
Male		Reference	
Female	0.95	[0.720, 1.256]	0.723
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.26	[0.843, 1.894]	0.256
Hispanic	1.13	[0.700, 1.826]	0.616
Other, non-Hispanic	0.86	[0.535, 1.380]	0.529
FPL category			
0-35%		Reference	
36-99%	0.94	[0.703, 1.247]	0.651
100%+	0.88	[0.649, 1.202]	0.428
Region			
UP/NW/NE		Reference	
W/E Central/E	0.82	[0.599, 1.118]	0.208
S Central/SW/SE	1.10	[0.771, 1.583]	0.587
Detroit Metro	1.05	[0.723, 1.534]	0.789
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.08	[0.794, 1.473]	0.620
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.18	[0.782, 1.794]	0.423
Mental health condition	1.13	[0.835, 1.519]	0.437
Substance use disorder	1.26	[0.652, 2.438]	0.492
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.05	[0.795, 1.399]	0.711
Bachelor's/Post graduate degree	0.59	[0.406, 0.862]	0.006
Constant	1.15	[0.659, 2.009]	0.623
N	1,933		
F-value	7.389		
Model degrees of freedom	23.0		
Residual degrees of freedom	1,921.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.11 Ability to get birth control/family planning services

3.11.1 Ability to get birth control/family planning services by selected characteristics

| | Ability to get birth control/family planning services | | | | | | |
| | Better | | About the same/Don't know | | Worse | | Total |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=559)	39.4	[34.4, 44.6]	59.3	[54.0, 64.4]	1.3	[0.4, 3.6]	100.0
Associate's degree/Some college (n=466)	37.9	[32.6, 43.5]	60.7	[55.1, 66.0]	1.4	[0.7, 3.0]	100.0
Bachelor's/Post graduate degree (n=136)	37.7	[28.6, 47.7]	57.0	[46.9, 66.5]	5.3	[2.2, 12.3]	100.0
Pearson: Uncorrected chi2(4) =	10.5216						
Design-based F(3.89, 4464.04) =	1.7795	Pr =	0.132				
Need help reading written materials							
Sometimes/Often/Always (n=167)	37.6	[29.4, 46.7]	62.2	[53.1, 70.4]	0.2	[0.0, 1.4]	100.0
Never/Rarely (n=997)	38.9	[35.2, 42.8]	59.0	[55.1, 62.8]	2.1	[1.2, 3.5]	100.0
Pearson: Uncorrected chi2(2) =	3.0975						
Design-based F(1.45, 1666.94) =	1.7385	Pr =	0.185				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=678)	30.6	[26.5, 35.0]	66.5	[62.0, 70.7]	2.9	[1.7, 5.0]	100.0
Uninsured all 12 months/Don't know (n=488)	49.5	[43.9, 55.2]	50.2	[44.5, 55.8]	0.3	[0.0, 2.0]	100.0
Pearson: Uncorrected chi2(2) =	50.3435						
Design-based F(2.00, 2303.76) =	16.5623	Pr =	0.000				
Forgone health care in 12 months prior to HMP							
Yes (n=258)	52.4	[44.9, 59.8]	46.4	[39.0, 54.0]	1.2	[0.5, 3.1]	100.0
No (n=896)	35.4	[31.5, 39.4]	62.7	[58.6, 66.6]	2.0	[1.1, 3.5]	100.0
Pearson: Uncorrected chi2(2) =	23.5708						
Design-based F(1.86, 2123.96) =	10.0640	Pr =	0.000				
Knowledge that birth control/family planning is covered							
Yes (n=821)	44.7	[40.5, 49.0]	53.5	[49.2, 57.7]	1.8	[0.9, 3.4]	100.0
No/Don't know (n=345)	25.9	[20.6, 32.0]	72.3	[66.2, 77.7]	1.8	[0.7, 4.2]	100.0
Pearson: Uncorrected chi2(2) =	38.2091						
Design-based F(1.99, 2301.05) =	12.5778	Pr =	0.000				
Some kinds of visits, tests, and medicines have no copays							
Yes (n=801)	43.3	[39.1, 47.6]	55.3	[51.0, 59.5]	1.4	[0.6, 3.0]	100.0
No/Don't know (n=365)	30.6	[24.9, 36.8]	66.9	[60.6, 72.7]	2.5	[1.2, 5.0]	100.0
Pearson: Uncorrected chi2(2) =	19.2404						
Design-based F(1.99, 2301.53) =	5.9958	Pr =	0.003				
PCP visit in past 12 months							
Yes (n=834)	39.9	[36.0, 44.0]	58.5	[54.4, 62.4]	1.6	[0.9, 2.9]	100.0
No (n=161)	39.3	[29.7, 49.7]	60.0	[49.6, 69.6]	0.7	[0.2, 2.8]	100.0
Pearson: Uncorrected chi2(2) =	1.0693						
Design-based F(1.65, 1623.35) =	0.3806	Pr =	0.643				
Total (n=1,166)	38.7	[35.3, 42.3]	59.5	[55.9, 62.9]	1.8	[1.1, 3.0]	100.0

Note: χ^2 test of independence.

3.11.2 Predictors of ability to get birth control/family planning services got better

	aOR	95% CI	p-value
	**Ability to get help birth control/family planning services got better**		
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.97	[0.573, 1.626]	0.896
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.34	[0.226, 0.500]	0.000
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.77	[1.170, 2.688]	0.007
Knowledge that birth control/family planning is covered			
No/Don't know		Reference	
Yes	1.87	[1.194, 2.944]	0.006
Some kinds of visits, tests, and medicines have no copays			
No/Don't know		Reference	
Yes	1.53	[1.007, 2.322]	0.046
PCP visit in past 12 months			
No		Reference	
Yes	0.80	[0.496, 1.299]	0.371
Age			
19-35		Reference	
36-49	0.75	[0.486, 1.152]	0.187
50-64	0.69	[0.394, 1.194]	0.182
Gender			
Male		Reference	
Female	1.71	[1.116, 2.620]	0.014
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.43	[0.856, 2.384]	0.172
Hispanic	1.78	[1.002, 3.173]	0.049
Other, non-Hispanic	0.85	[0.457, 1.571]	0.599
FPL category			
0-35%		Reference	
36-99%	1.04	[0.698, 1.546]	0.852
100%+	0.85	[0.549, 1.321]	0.474
Region			
UP/NW/NE		Reference	
W/E Central/E	0.61	[0.381, 0.971]	0.037
S Central/SW/SE	0.99	[0.601, 1.643]	0.981
Detroit Metro	0.64	[0.383, 1.060]	0.083
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.10	[0.744, 1.631]	0.628
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.20	[0.631, 2.276]	0.581
Mental health condition	1.01	[0.679, 1.505]	0.959
Substance use disorder	0.62	[0.177, 2.190]	0.460
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.14	[0.766, 1.681]	0.527
Bachelor's/Post graduate degree	1.02	[0.613, 1.707]	0.931
Constant	0.57	[0.263, 1.250]	0.162
N	961		
F-value	3.333		
Model degrees of freedom	23.0		
Residual degrees of freedom	949.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

3.12 Change in problems paying medical bills

3.12.1 Change in problems paying medical bills by selected characteristics

	Gotten better		Stayed the same		Gotten worse		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=490)	82.3	[77.4, 86.3]	15.6	[11.8, 20.4]	2.1	[1.0, 4.5]	100.0
Associate's degree/Some college (n=379)	89.9	[86.2, 92.8]	8.0	[5.4, 11.6]	2.1	[1.1, 3.9]	100.0
Bachelor's/Post graduate degree (n=101)	82.7	[71.8, 89.9]	14.0	[7.4, 24.8]	3.3	[1.2, 9.3]	100.0
Pearson: Uncorrected chi2(4) =	12.5695						
Design-based F(3.87, 3711.24) =	2.4544	Pr =	0.046				
Employed/Self-employed							
Yes (n=548)	87.2	[83.5, 90.1]	10.9	[8.1, 14.5]	1.9	[1.1, 3.3]	100.0
No (n=421)	83.4	[78.3, 87.5]	14.1	[10.3, 19.0]	2.5	[1.2, 5.1]	100.0
Pearson: Uncorrected chi2(2) =	2.7839						
Design-based F(1.95, 1870.67) =	1.0247	Pr =	0.358				
Health status							
Excellent/Very good/Good (n=664)	89.5	[86.3, 92.0]	9.2	[6.8, 12.3]	1.3	[0.7, 2.6]	100.0
Fair/Poor (n=306)	76.6	[70.1, 82.0]	19.3	[14.3, 25.7]	4.1	[2.2, 7.5]	100.0
Pearson: Uncorrected chi2(2) =	28.5138						
Design-based F(1.96, 1873.74) =	10.3456	Pr =	0.000				
Insurance status in 12 months prior to HMP							
Insured some or all 12 months (n=477)	82.8	[78.4, 86.5]	14.3	[10.8, 18.6]	2.9	[1.7, 4.8]	100.0
Uninsured all 12 months/Don't know (n=493)	87.6	[83.2, 90.9]	10.8	[7.7, 15.0]	1.6	[0.7, 3.8]	100.0
Pearson: Uncorrected chi2(2) =	4.6447						
Design-based F(1.98, 1900.19) =	1.5633	Pr =	0.210				
Total (n=970)	85.4	[82.4, 88.0]	12.4	[10.0, 15.3]	2.2	[1.4, 3.5]	100.0

Change in problems paying medical bills

Note: χ^2 test of independence.

3.12.2 Predictors of problems paying medical bills got better

	Problems paying medical bills got better		
	aOR	95% CI	p-value
Employed/self-employed			
No		Reference	
Yes	1.23	[0.686, 2.197]	0.489
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	2.49	[1.503, 4.139]	0.000
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.61	[0.371, 1.002]	0.051
Age			
19-35		Reference	
36-49	0.80	[0.438, 1.480]	0.484
50-64	0.88	[0.450, 1.710]	0.700
Gender			
Male		Reference	
Female	1.16	[0.706, 1.913]	0.555
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.99	[0.540, 1.808]	0.970
Hispanic	1.55	[0.455, 5.244]	0.485
Other, non-Hispanic	1.35	[0.550, 3.292]	0.516
FPL category			
0-35%		Reference	
36-99%	0.86	[0.493, 1.517]	0.611
100%+	0.65	[0.354, 1.181]	0.156
Region			
UP/NW/NE		Reference	
W/E Central/E	0.60	[0.303, 1.199]	0.149
S Central/SW/SE	0.49	[0.236, 1.028]	0.059
Detroit Metro	0.50	[0.241, 1.028]	0.059
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.47	[0.801, 2.692]	0.214
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.99	[0.505, 1.950]	0.983
Mental health condition	1.03	[0.569, 1.848]	0.933
Substance use disorder	0.47	[0.178, 1.237]	0.126
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	2.13	[1.309, 3.460]	0.002
Bachelor's/Post graduate degree	1.09	[0.504, 2.354]	0.829
Constant	4.77	[1.655, 13.773]	0.004
N	951		
F-value	2.073		
Model degrees of freedom	20.0		
Residual degrees of freedom	939.0		
F-value significance	0.004		

Notes: Multiple logistic regression.

4 **Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

4.1 Exercise frequency in last 7 days

4.1.1 Exercise frequency in last 7 days by selected characteristics

	Every day		3-6 days		1-2 days		0 days		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education									
High school or less (n=1,247)	26.6	[23.7, 29.7]	35.6	[32.2, 39.0]	16.1	[13.7, 18.9]	21.8	[18.9, 25.0]	100.0
Associate's degree/Some college (n=1,001)	21.5	[18.5, 24.8]	39.9	[36.1, 43.8]	19.3	[16.1, 23.1]	19.3	[16.4, 22.6]	100.0
Bachelor's/Post graduate degree (n=337)	16.4	[12.4, 21.3]	45.4	[39.1, 52.0]	22.8	[18.0, 28.4]	15.4	[11.0, 21.0]	100.0
Pearson: Uncorrected chi2(6) =	33.6378								
Design-based F(5.87, 15112.71) =	3.6495	Pr =	0.001						
Discussed HRA with provider									
Yes (n=1,202)	24.0	[21.2, 27.0]	38.8	[35.4, 42.3]	16.6	[14.1, 19.4]	20.6	[17.7, 23.9]	100.0
No/Don't know (n=1,389)	23.0	[20.4, 25.8]	38.2	[35.0, 41.5]	19.3	[16.7, 22.3]	19.5	[16.9, 22.3]	100.0
Pearson: Uncorrected chi2(3) =	3.3961								
Design-based F(2.99, 7701.09) =	0.7023	Pr =	0.550						
Any HRA record (DW)									
Yes (n=1,230)	22.7	[19.9, 25.7]	38.6	[35.2, 42.1]	20.4	[17.5, 23.6]	18.3	[15.8, 21.2]	100.0
No (n=1,363)	24.0	[21.4, 26.9]	38.3	[35.1, 41.7]	16.3	[13.9, 19.0]	21.3	[18.6, 24.4]	100.0
Pearson: Uncorrected chi2(3) =	9.2036								
Design-based F(2.98, 7699.43) =	1.8838	Pr =	0.130						
Health professional discussed exercise in last 12 months									
Yes (n=1,130)	20.4	[17.8, 23.3]	36.9	[33.4, 40.4]	19.7	[16.8, 22.9]	23.1	[20.0, 26.5]	100.0
No (n=1,450)	25.4	[22.7, 28.3]	39.6	[36.4, 42.9]	17.2	[14.7, 19.9]	17.8	[15.4, 20.5]	100.0
Pearson: Uncorrected chi2(3) =	18.8268								
Design-based F(2.97, 7634.58) =	3.8969	Pr =	0.009						
Total (n=2,593)	23.4	[21.5, 25.5]	38.5	[36.1, 40.9]	18.1	[16.3, 20.2]	20.0	[18.0, 22.1]	100.0

Note: χ^2 test of independence.

4.1.2 Predictors of exercised at least 3 days in last 7 days

	Exercised at least 3 days in last 7 days			Exercised at least 3 days in last 7 days		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.11	[0.886, 1.393]	0.361			
Health professional discussed exercise in last 12 months						
No		Reference			Reference	
Yes	0.73	[0.581, 0.916]	0.007	0.76	[0.610, 0.938]	0.011
Age						
19-35		Reference			Reference	
36-49	1.14	[0.877, 1.484]	0.327	1.15	[0.881, 1.491]	0.310
50-64	1.53	[1.167, 2.009]	0.002	1.56	[1.188, 2.059]	0.001
Gender						
Male		Reference			Reference	
Female	0.60	[0.477, 0.743]	0.000	0.59	[0.476, 0.743]	0.000
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.82	[0.603, 1.124]	0.221	0.82	[0.604, 1.124]	0.222
Hispanic	0.83	[0.552, 1.246]	0.367	0.82	[0.548, 1.234]	0.345
Other, non-Hispanic	0.86	[0.604, 1.229]	0.410	0.86	[0.602, 1.226]	0.403
FPL category						
0-35%		Reference			Reference	
36-99%	1.76	[1.388, 2.244]	0.000	1.76	[1.385, 2.238]	0.000
100%+	1.48	[1.142, 1.910]	0.003	1.48	[1.144, 1.914]	0.003
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.74	[0.553, 0.990]	0.043	0.74	[0.551, 0.986]	0.040
S Central/SW/SE	0.77	[0.558, 1.056]	0.105	0.76	[0.553, 1.049]	0.096
Detroit Metro	0.70	[0.506, 0.967]	0.031	0.69	[0.502, 0.958]	0.026
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.90	[0.700, 1.145]	0.378	0.90	[0.703, 1.150]	0.397
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.75	[0.537, 1.046]	0.090	0.76	[0.541, 1.060]	0.105
Mental health condition	0.99	[0.774, 1.257]	0.913	1.00	[0.783, 1.272]	0.988
Substance use disorder	2.63	[1.384, 4.993]	0.003	2.63	[1.390, 4.995]	0.003
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.05	[0.830, 1.316]	0.706	1.05	[0.833, 1.321]	0.686
Bachelor's/Post graduate degree	0.99	[0.712, 1.362]	0.928	0.99	[0.716, 1.370]	0.953
Any HRA record (DW)						
No					Reference	
Yes				0.97	[0.786, 1.209]	0.816
Constant	2.48	[1.705, 3.605]	0.000	2.57	[1.762, 3.738]	0.000
N	2,508			2,510		
F-value	3.906			3.903		
Model degrees of freedom	19.0			19.0		
Residual degrees of freedom	2,496.0			2,498.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.2 Sugary drink consumption in last 7 days

4.2.1 Sugary drink consumption in last 7 days by selected characteristics

	Sugary drink consumption in last 7 days								Total
	Every day		3-6 days		1-2 days		0 days		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education									
High school or less (n=1,251)	29.4	[26.3, 32.8]	21.4	[18.7, 24.5]	22.9	[20.0, 26.1]	26.2	[23.4, 29.3]	100.0
Associate's degree/Some college (n=1,002)	22.9	[19.7, 26.6]	18.9	[16.0, 22.2]	28.2	[24.7, 32.0]	29.9	[26.5, 33.6]	100.0
Bachelor's/Post graduate degree (n=338)	7.6	[5.2, 10.9]	13.5	[9.8, 18.3]	35.5	[29.4, 42.1]	43.4	[37.1, 49.9]	100.0
Pearson: Uncorrected chi2(6) =	99.5532								
Design-based F(5.78, 14902.52) =	11.3748	Pr =	0.000						
Discussed HRA with provider									
Yes (n=1,206)	23.0	[20.1, 26.2]	17.7	[15.3, 20.5]	26.9	[23.8, 30.3]	32.4	[29.2, 35.7]	100.0
No/Don't know (n=1,391)	25.2	[22.3, 28.3]	20.8	[18.1, 23.7]	26.3	[23.4, 29.4]	27.7	[24.9, 30.7]	100.0
Pearson: Uncorrected chi2(3) =	9.0440								
Design-based F(2.99, 7723.00) =	1.8914	Pr =	0.129						
Any HRA record (DW)									
Yes (n=1,232)	21.1	[18.2, 24.2]	19.0	[16.3, 21.9]	25.7	[22.7, 29.0]	34.2	[31.0, 37.6]	100.0
No (n=1,367)	26.8	[23.9, 30.0]	19.9	[17.3, 22.7]	27.2	[24.2, 30.4]	26.1	[23.4, 29.0]	100.0
Pearson: Uncorrected chi2(3) =	23.8062								
Design-based F(2.99, 7738.26) =	4.9066	Pr =	0.002						
Health professional discussed diet/nutrition in last 12 months									
Yes (n=1,142)	19.8	[17.0, 22.9]	17.3	[14.7, 20.1]	28.7	[25.4, 32.1]	34.3	[30.9, 37.8]	100.0
No (n=1,451)	27.3	[24.4, 30.4]	21.1	[18.5, 24.0]	25.1	[22.2, 28.2]	26.5	[23.8, 29.3]	100.0
Pearson: Uncorrected chi2(3) =	35.5287								
Design-based F(2.99, 7720.09) =	7.4513	Pr =	0.000						
Total (n=2,599)	24.2	[22.1, 26.4]	19.5	[17.6, 21.5]	26.6	[24.4, 28.8]	29.8	[27.6, 32.0]	100.0

Note: χ^2 test of independence.

4.2.2 Predictors of drinking 0 sugary drinks in last 7 days

	Drank 0 sugary drinks in last 7 days			Drank 0 sugary drinks in last 7 days		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.07	[0.857, 1.334]	0.555			
Health professional discussed diet/nutrition in last 12 months						
No		Reference			Reference	
Yes	1.30	[1.036, 1.627]	0.024	1.31	[1.051, 1.627]	0.016
Age						
19-35		Reference			Reference	
36-49	1.88	[1.422, 2.492]	0.000	1.87	[1.411, 2.472]	0.000
50-64	2.99	[2.280, 3.910]	0.000	2.92	[2.216, 3.836]	0.000
Gender						
Male		Reference			Reference	
Female	1.28	[1.021, 1.613]	0.033	1.28	[1.022, 1.614]	0.032
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.63	[0.448, 0.885]	0.008	0.64	[0.456, 0.907]	0.012
Hispanic	1.17	[0.768, 1.773]	0.469	1.18	[0.774, 1.790]	0.445
Other, non-Hispanic	1.08	[0.753, 1.541]	0.685	1.07	[0.749, 1.532]	0.706
FPL category						
0-35%		Reference			Reference	
36-99%	1.03	[0.806, 1.317]	0.810	1.04	[0.812, 1.327]	0.765
100%+	1.06	[0.807, 1.384]	0.690	1.06	[0.806, 1.383]	0.693
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.67	[0.505, 0.881]	0.004	0.66	[0.497, 0.868]	0.003
S Central/SW/SE	0.78	[0.580, 1.054]	0.106	0.77	[0.575, 1.044]	0.093
Detroit Metro	0.96	[0.713, 1.302]	0.808	0.94	[0.698, 1.278]	0.711
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.97	[0.748, 1.248]	0.790	0.96	[0.744, 1.242]	0.762
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.03	[0.730, 1.442]	0.882	1.04	[0.741, 1.468]	0.809
Mental health condition	0.80	[0.633, 1.022]	0.075	0.81	[0.635, 1.030]	0.086
Substance use disorder	0.92	[0.527, 1.597]	0.761	0.95	[0.549, 1.641]	0.851
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.33	[1.044, 1.683]	0.021	1.31	[1.035, 1.671]	0.025
Bachelor's/Post graduate degree	2.03	[1.475, 2.803]	0.000	2.02	[1.464, 2.788]	0.000
Any HRA record (DW)						
No					Reference	
Yes				1.17	[0.935, 1.466]	0.170
Constant	0.23	[0.155, 0.331]	0.000	0.22	[0.152, 0.320]	0.000
N	2,519			2,521		
F-value	6.908			7.077		
Model degrees of freedom	19.0			19.0		
Residual degrees of freedom	2,507.0			2,509.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.3 Days eating 3+ fruits or vegetables in last 7 days

4.3.1 Days eating 3+ fruits or vegetables in last 7 days by selected characteristics

	Every day		3-6 days		1-2 days		0 days		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education									
High school or less (n=1,236)	29.8	[26.7, 33.1]	38.9	[35.5, 42.5]	18.1	[15.5, 21.0]	13.2	[10.9, 15.9]	100.0
Associate's degree/Some college (n=1,000)	37.5	[33.7, 41.4]	36.9	[33.2, 40.9]	16.5	[13.8, 19.7]	9.0	[7.0, 11.5]	100.0
Bachelor's/Post graduate degree (n=338)	36.5	[30.6, 42.8]	44.4	[38.0, 51.0]	9.1	[6.2, 13.2]	10.0	[6.8, 14.6]	100.0
Pearson: Uncorrected chi2(6) =	35.3775								
Design-based F(5.91, 15130.92) =	3.9549	Pr =	0.001						
Discussed HRA with provider									
Yes (n=1,197)	36.8	[33.4, 40.3]	39.7	[36.2, 43.2]	14.5	[12.1, 17.3]	9.0	[7.2, 11.2]	100.0
No/Don't know (n=1,383)	31.2	[28.2, 34.4]	38.3	[35.0, 41.6]	17.8	[15.4, 20.4]	12.7	[10.6, 15.2]	100.0
Pearson: Uncorrected chi2(3) =	17.8516								
Design-based F(3.00, 7701.69) =	3.7640	Pr =	0.010						
Any HRA record (DW)									
Yes (n=1,223)	34.1	[30.9, 37.6]	41.9	[38.4, 45.6]	14.8	[12.6, 17.4]	9.1	[7.3, 11.3]	100.0
No (n=1,359)	33.3	[30.2, 36.5]	36.4	[33.2, 39.7]	17.6	[15.1, 20.4]	12.8	[10.6, 15.3]	100.0
Pearson: Uncorrected chi2(3) =	15.9183								
Design-based F(3.00, 7705.17) =	3.3691	Pr =	0.018						
Health professional discussed diet/nutrition in last 12 months									
Yes (n=1,135)	37.0	[33.6, 40.7]	39.9	[36.3, 43.5]	13.5	[11.3, 16.0]	9.6	[7.7, 12.0]	100.0
No (n=1,440)	31.0	[28.1, 34.1]	38.3	[35.1, 41.6]	18.4	[15.9, 21.1]	12.3	[10.2, 14.7]	100.0
Pearson: Uncorrected chi2(3) =	20.3778								
Design-based F(3.00, 7677.37) =	4.3326	Pr =	0.005						
Total (n=2,582)	33.7	[31.4, 36.0]	38.9	[36.5, 41.3]	16.4	[14.6, 18.2]	11.1	[9.6, 12.8]	100.0

Note: χ^2 test of independence.

4.3.2 Predictors of eating 3+ fruits or vegetables at least 3 days in last 7 days

	Ate 3+ fruits or vegetables at least 3 days in last 7 days			Ate 3+ fruits or vegetables at least 3 days in last 7 days		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.39	[1.093, 1.761]	0.007			
Health professional discussed diet/nutrition in last 12 months						
No		Reference			Reference	
Yes	1.31	[1.028, 1.664]	0.029	1.40	[1.108, 1.767]	0.005
Age						
19-35		Reference			Reference	
36-49	1.31	[0.979, 1.746]	0.070	1.29	[0.967, 1.728]	0.082
50-64	0.98	[0.740, 1.288]	0.863	0.96	[0.723, 1.265]	0.756
Gender						
Male		Reference			Reference	
Female	1.44	[1.145, 1.816]	0.002	1.44	[1.144, 1.811]	0.002
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.61	[0.445, 0.846]	0.003	0.65	[0.470, 0.897]	0.009
Hispanic	1.31	[0.801, 2.138]	0.283	1.32	[0.810, 2.142]	0.267
Other, non-Hispanic	0.69	[0.470, 1.001]	0.051	0.68	[0.465, 0.983]	0.041
FPL category						
0-35%		Reference			Reference	
36-99%	0.91	[0.704, 1.167]	0.444	0.91	[0.709, 1.178]	0.487
100%+	0.85	[0.646, 1.121]	0.251	0.85	[0.646, 1.118]	0.245
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.99	[0.730, 1.334]	0.930	0.95	[0.706, 1.286]	0.752
S Central/SW/SE	1.00	[0.716, 1.389]	0.987	0.97	[0.698, 1.356]	0.872
Detroit Metro	1.23	[0.880, 1.732]	0.223	1.17	[0.833, 1.641]	0.366
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.87	[0.670, 1.142]	0.324	0.87	[0.667, 1.135]	0.305
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.80	[0.562, 1.143]	0.222	0.85	[0.591, 1.215]	0.366
Mental health condition	0.85	[0.657, 1.094]	0.204	0.88	[0.682, 1.136]	0.327
Substance use disorder	1.17	[0.614, 2.226]	0.635	1.23	[0.652, 2.322]	0.523
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.37	[1.074, 1.742]	0.011	1.35	[1.062, 1.723]	0.014
Bachelor's/Post graduate degree	1.70	[1.174, 2.452]	0.005	1.68	[1.166, 2.418]	0.005
Any HRA record (DW)						
No					Reference	
Yes				1.36	[1.083, 1.701]	0.008
Constant	1.82	[1.235, 2.688]	0.003	1.81	[1.227, 2.679]	0.003
N	2,501			2,503		
F-value	2.865			2.920		
Model degrees of freedom	19.0			19.0		
Residual degrees of freedom	2,489.0			2,491.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.4 Binge drinking frequency in last 7 days

4.4.1 Binge drinking frequency in last 7 days by selected characteristics

	Every day		3-6 days		1-2 days		0 days		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education									
High school or less (n=1,250)	0.9	[0.4, 1.7]	3.3	[2.3, 4.6]	15.9	[13.4, 18.8]	80.0	[76.9, 82.7]	100.0
Associate's degree/Some college (n=1,003)	0.7	[0.3, 1.7]	3.0	[1.9, 4.7]	11.9	[9.5, 15.0]	84.4	[81.1, 87.2]	100.0
Bachelor's/Post graduate degree (n=338)	0.7	[0.2, 2.9]	3.1	[1.4, 6.9]	14.8	[10.2, 21.0]	81.3	[74.9, 86.4]	100.0
Pearson: Uncorrected chi2(6) =	8.1140								
Design-based F(5.85, 15094.07) =	0.8550	Pr =	0.525						
Discussed HRA with provider									
Yes (n=1,207)	0.4	[0.1, 1.0]	3.2	[2.1, 5.0]	12.9	[10.5, 15.7]	83.5	[80.4, 86.2]	100.0
No/Don't know (n=1,390)	1.1	[0.6, 1.9]	3.1	[2.2, 4.2]	15.1	[12.8, 17.8]	80.7	[77.9, 83.3]	100.0
Pearson: Uncorrected chi2(3) =	7.0191								
Design-based F(2.90, 7502.57) =	1.5494	Pr =	0.201						
Any HRA record (DW)									
Yes (n=1,233)	0.5	[0.2, 1.2]	2.9	[2.0, 4.2]	12.2	[10.0, 14.9]	84.4	[81.5, 86.8]	100.0
No (n=1,366)	1.0	[0.5, 1.9]	3.3	[2.3, 4.7]	15.7	[13.3, 18.6]	79.9	[77.0, 82.6]	100.0
Pearson: Uncorrected chi2(3) =	9.3850								
Design-based F(2.91, 7536.57) =	2.1368	Pr =	0.095						
Total (n=2,599)	0.8	[0.5, 1.3]	3.1	[2.4, 4.1]	14.2	[12.4, 16.1]	81.9	[79.9, 83.8]	100.0

Note: χ^2 test of independence. Binge drinking was defined as at least 1 day in the last 7 days of consuming 5+ alcoholic drinks for men or 4+ alcoholic drinks for women in a single day.

4.4.2 Predictors of no days of binge drinking in last 7 days

	No days of binge drinking in last 7 days			No days of binge drinking in last 7 days		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.37	[1.030, 1.827]	0.030			
Age						
19-35		Reference			Reference	
36-49	1.02	[0.725, 1.440]	0.903	1.01	[0.717, 1.428]	0.948
50-64	0.88	[0.620, 1.244]	0.465	0.88	[0.622, 1.252]	0.484
Gender						
Male		Reference			Reference	
Female	1.36	[1.028, 1.789]	0.031	1.36	[1.030, 1.793]	0.030
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.72	[0.488, 1.048]	0.086	0.75	[0.515, 1.097]	0.139
Hispanic	0.92	[0.506, 1.665]	0.777	0.92	[0.510, 1.675]	0.796
Other, non-Hispanic	1.24	[0.754, 2.035]	0.397	1.23	[0.749, 2.018]	0.414
FPL category						
0-35%		Reference			Reference	
36-99%	1.00	[0.740, 1.360]	0.982	1.01	[0.745, 1.369]	0.950
100%+	0.96	[0.699, 1.327]	0.819	0.97	[0.701, 1.336]	0.843
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.24	[0.863, 1.795]	0.241	1.21	[0.844, 1.749]	0.295
S Central/SW/SE	0.75	[0.515, 1.082]	0.123	0.74	[0.507, 1.065]	0.104
Detroit Metro	0.92	[0.615, 1.384]	0.697	0.89	[0.593, 1.327]	0.560
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.21	[0.883, 1.662]	0.235	1.23	[0.895, 1.682]	0.203
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.51	[0.331, 0.771]	0.002	0.53	[0.350, 0.816]	0.004
Mental health condition	0.86	[0.612, 1.210]	0.386	0.90	[0.637, 1.262]	0.532
Substance use disorder	0.44	[0.242, 0.791]	0.006	0.46	[0.252, 0.823]	0.009
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.25	[0.925, 1.693]	0.146	1.24	[0.915, 1.679]	0.166
Bachelor's/Post graduate degree	0.86	[0.557, 1.313]	0.474	0.86	[0.557, 1.318]	0.482
Any HRA record (DW)						
No					Reference	
Yes				1.23	[0.931, 1.635]	0.144
Constant	4.07	[2.651, 6.240]	0.000	4.17	[2.735, 6.359]	0.000
N	2,525			2,527		
F-value	2.952			2.729		
Model degrees of freedom	18.0			18.0		
Residual degrees of freedom	2,513.0			2,515.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression. Binge drinking was defined as at least 1 day in the last 7 days of consuming 5+ alcoholic drinks for men or 4+ alcoholic drinks for women in a single day.

4.5 Health professional discussed safe alcohol use in last 12 months

4.5.1 Health professional discussed safe alcohol use in last 12 months by selected characteristics

	Health professional discussed safe alcohol use in last 12 months				Total
	Yes		No		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=239)	25.6	[19.5, 32.7]	74.4	[67.3, 80.5]	100.0
Associate's degree/Some college (n=145)	25.8	[18.0, 35.5]	74.2	[64.5, 82.0]	100.0
Bachelor's/Post graduate degree (n=52)	19.7	[8.6, 39.0]	80.3	[61.0, 91.4]	100.0
Pearson: Uncorrected chi2(2) =	0.8919				
Design-based F(1.96, 833.03) =	0.2586	Pr =	0.768		
Discussed HRA with provider					
Yes (n=185)	35.1	[26.8, 44.5]	64.9	[55.5, 73.2]	100.0
No/Don't know (n=251)	18.3	[13.2, 24.6]	81.7	[75.4, 86.8]	100.0
Pearson: Uncorrected chi2(1) =	15.8819				
Design-based F(1.00, 424.00) =	10.4114	Pr =	0.001		
Any HRA record (DW)					
Yes (n=195)	31.6	[24.0, 40.4]	68.4	[59.6, 76.0]	100.0
No (n=241)	20.7	[15.2, 27.5]	79.3	[72.5, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	6.6750				
Design-based F(1.00, 424.00) =	4.4739	Pr =	0.035		
PCP visit in past 12 months					
Yes (n=297)	33.0	[26.7, 40.0]	67.0	[60.0, 73.3]	100.0
No (n=62)	15.1	[7.3, 28.5]	84.9	[71.5, 92.7]	100.0
Pearson: Uncorrected chi2(1) =	10.4440				
Design-based F(1.00, 347.00) =	5.6748	Pr =	0.018		
Total (n=436)	24.9	[20.3, 30.3]	75.1	[69.7, 79.7]	100.0

Note: χ^2 test of independence.

4.5.2 Predictors of health professional discussed safe alcohol use in last 12 months

	Health professional discussed safe alcohol use in last 12 months			Health professional discussed safe alcohol use in last 12 months		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.87	[0.982, 3.550]	0.057			
PCP visit in past 12 months						
No		Reference			Reference	
Yes	2.62	[0.929, 7.376]	0.068	2.84	[1.055, 7.627]	0.039
Age						
19-35		Reference			Reference	
36-49	0.93	[0.413, 2.074]	0.850	0.85	[0.390, 1.848]	0.679
50-64	0.89	[0.380, 2.090]	0.790	0.87	[0.370, 2.037]	0.745
Gender						
Male		Reference			Reference	
Female	0.91	[0.433, 1.929]	0.812	0.91	[0.436, 1.885]	0.792
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.25	[0.478, 3.265]	0.649	1.35	[0.542, 3.382]	0.516
Hispanic	1.85	[0.577, 5.934]	0.299	1.86	[0.579, 5.985]	0.296
Other, non-Hispanic	2.81	[1.011, 7.831]	0.048	2.70	[0.968, 7.531]	0.058
FPL category						
0-35%		Reference			Reference	
36-99%	0.77	[0.349, 1.695]	0.514	0.77	[0.349, 1.692]	0.511
100%+	0.99	[0.450, 2.158]	0.971	0.98	[0.454, 2.133]	0.966
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.29	[0.118, 0.691]	0.006	0.29	[0.119, 0.691]	0.005
S Central/SW/SE	0.33	[0.128, 0.853]	0.022	0.31	[0.123, 0.799]	0.015
Detroit Metro	0.74	[0.303, 1.813]	0.512	0.73	[0.310, 1.737]	0.480
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.49	[0.700, 3.177]	0.300	1.50	[0.711, 3.157]	0.287
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	2.86	[1.263, 6.476]	0.012	3.11	[1.367, 7.060]	0.007
Mental health condition	1.31	[0.572, 2.986]	0.524	1.41	[0.606, 3.266]	0.427
Substance use disorder	10.31	[3.204, 33.162]	0.000	10.54	[3.220, 34.517]	0.000
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.99	[0.485, 2.040]	0.988	1.02	[0.510, 2.047]	0.950
Bachelor's/Post graduate degree	0.90	[0.330, 2.452]	0.837	0.96	[0.345, 2.649]	0.932
Any HRA record (DW)						
No					Reference	
Yes				1.18	[0.627, 2.236]	0.602
Constant	0.12	[0.034, 0.398]	0.001	0.13	[0.036, 0.483]	0.002
N	350			350		
F-value	2.525			2.113		
Model degrees of freedom	19.0			19.0		
Residual degrees of freedom	338.0			338.0		
F-value significance	0.001			0.005		

Notes: Multiple logistic regression.

4.6 Smoked or used tobacco in last 30 days

4.6.1 Smoked or used tobacco in last 30 days by selected characteristics

	Smoked or used tobacco in last 30 days				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	42.6	[39.1, 46.1]	57.4	[53.9, 60.9]	100.0
Associate's degree/Some college (n=1,003)	30.8	[27.1, 34.8]	69.2	[65.2, 72.9]	100.0
Bachelor's/Post graduate degree (n=338)	13.9	[10.1, 18.7]	86.1	[81.3, 89.9]	100.0
Pearson: Uncorrected chi2(2) =	100.3306				
Design-based F(1.95, 5021.78) =	32.8542	Pr =	0.000		
Discussed HRA with provider					
Yes (n=1,207)	33.6	[30.3, 37.1]	66.4	[62.9, 69.7]	100.0
No/Don't know (n=1,391)	35.0	[31.8, 38.3]	65.0	[61.7, 68.2]	100.0
Pearson: Uncorrected chi2(1) =	0.5620				
Design-based F(1.00, 2586.00) =	0.3413	Pr =	0.559		
Any HRA record (DW)					
Yes (n=1,234)	32.4	[29.1, 35.9]	67.6	[64.1, 70.9]	100.0
No (n=1,366)	36.1	[32.8, 39.4]	63.9	[60.6, 67.2]	100.0
Pearson: Uncorrected chi2(1) =	3.7837				
Design-based F(1.00, 2588.00) =	2.2473	Pr =	0.134		
Total (n=2,600)	34.4	[32.1, 36.8]	65.6	[63.2, 67.9]	100.0

Note: χ^2 test of independence.

4.6.2 Predictors of smoked or used tobacco in last 30 days

	Smoked or used tobacco in last 30 days			Smoked or used tobacco in last 30 days		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	0.78	[0.622, 0.979]	0.032			
Age						
19-35		Reference			Reference	
36-49	1.68	[1.258, 2.242]	0.000	1.69	[1.265, 2.263]	0.000
50-64	1.30	[0.970, 1.739]	0.080	1.32	[0.977, 1.780]	0.070
Gender						
Male		Reference			Reference	
Female	0.65	[0.520, 0.810]	0.000	0.65	[0.519, 0.809]	0.000
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.72	[0.509, 1.014]	0.060	0.69	[0.485, 0.969]	0.032
Hispanic	0.59	[0.366, 0.945]	0.028	0.59	[0.370, 0.944]	0.028
Other, non-Hispanic	0.65	[0.432, 0.985]	0.042	0.66	[0.438, 1.002]	0.051
FPL category						
0-35%		Reference			Reference	
36-99%	0.76	[0.595, 0.980]	0.034	0.76	[0.589, 0.969]	0.027
100%+	0.74	[0.566, 0.979]	0.035	0.74	[0.565, 0.981]	0.036
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.12	[0.839, 1.499]	0.438	1.14	[0.856, 1.527]	0.365
S Central/SW/SE	0.89	[0.647, 1.237]	0.500	0.91	[0.658, 1.256]	0.563
Detroit Metro	1.03	[0.742, 1.439]	0.847	1.07	[0.771, 1.492]	0.679
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.13	[0.857, 1.482]	0.391	1.12	[0.849, 1.470]	0.430
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	3.70	[2.565, 5.341]	0.000	3.55	[2.459, 5.118]	0.000
Mental health condition	1.08	[0.837, 1.388]	0.563	1.04	[0.810, 1.349]	0.735
Substance use disorder	2.14	[1.256, 3.644]	0.005	2.07	[1.218, 3.509]	0.007
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.64	[0.504, 0.819]	0.000	0.65	[0.508, 0.828]	0.001
Bachelor's/Post graduate degree	0.24	[0.158, 0.364]	0.000	0.24	[0.159, 0.367]	0.000
Any HRA record (DW)						
No					Reference	
Yes				0.78	[0.617, 0.997]	0.047
Constant	0.75	[0.507, 1.100]	0.140	0.75	[0.511, 1.097]	0.137
N	2,526			2,528		
F-value	9.419			9.452		
Model degrees of freedom	18.0			18.0		
Residual degrees of freedom	2,514.0			2,516.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.7 Want to reduce or quit smoking or using tobacco

4.7.1 Want to reduce or quit smoking or using tobacco by selected characteristics

	Want to reduce or quit smoking or using tobacco				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=511)	77.7	[72.4, 82.2]	22.3	[17.8, 27.6]	100.0
Associate's degree/Some college (n=290)	81.6	[75.5, 86.5]	18.4	[13.5, 24.5]	100.0
Bachelor's/Post graduate degree (n=43)	66.2	[48.9, 80.1]	33.8	[19.9, 51.1]	100.0
Pearson: Uncorrected chi2(2) =	5.5089				
Design-based F(1.96, 1631.09) =	1.9209	Pr =	0.148		
Discussed HRA with provider					
Yes (n=398)	79.6	[73.4, 84.7]	20.4	[15.3, 26.6]	100.0
No/Don't know (n=446)	77.8	[72.7, 82.2]	22.2	[17.8, 27.3]	100.0
Pearson: Uncorrected chi2(1) =	0.4131				
Design-based F(1.00, 832.00) =	0.2361	Pr =	0.627		
Any HRA record (DW)					
Yes (n=378)	79.0	[72.8, 84.1]	21.0	[15.9, 27.2]	100.0
No (n=467)	78.2	[73.1, 82.6]	21.8	[17.4, 26.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0714				
Design-based F(1.00, 833.00) =	0.0415	Pr =	0.839		
Total (n=845)	78.6	[74.7, 82.0]	21.4	[18.0, 25.3]	100.0

Note: χ^2 test of independence.

4.7.2 Predictors of wanting to reduce or quit smoking or using tobacco

	Want to reduce or quit smoking or using tobacco			Want to reduce or quit smoking or using tobacco		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	0.91	[0.553, 1.505]	0.718			
Age						
19-35		Reference			Reference	
36-49	1.46	[0.859, 2.481]	0.162	1.45	[0.853, 2.469]	0.170
50-64	1.87	[1.061, 3.291]	0.030	1.83	[1.048, 3.202]	0.034
Gender						
Male		Reference			Reference	
Female	1.23	[0.767, 1.985]	0.385	1.23	[0.767, 1.968]	0.391
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.88	[0.440, 1.743]	0.705	0.87	[0.440, 1.729]	0.696
Hispanic	0.70	[0.292, 1.669]	0.419	0.70	[0.291, 1.662]	0.414
Other, non-Hispanic	0.57	[0.258, 1.245]	0.157	0.57	[0.260, 1.256]	0.163
FPL category						
0-35%		Reference			Reference	
36-99%	1.10	[0.682, 1.784]	0.689	1.09	[0.678, 1.765]	0.711
100%+	1.19	[0.698, 2.041]	0.518	1.19	[0.700, 2.034]	0.517
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.15	[0.670, 1.970]	0.614	1.15	[0.670, 1.969]	0.614
S Central/SW/SE	1.93	[1.016, 3.686]	0.045	1.92	[1.012, 3.631]	0.046
Detroit Metro	1.58	[0.821, 3.043]	0.170	1.59	[0.831, 3.039]	0.161
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.54	[0.949, 2.488]	0.081	1.52	[0.944, 2.458]	0.085
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.35	[0.716, 2.540]	0.355	1.33	[0.710, 2.493]	0.373
Mental health condition	0.90	[0.504, 1.622]	0.736	0.89	[0.494, 1.611]	0.705
Substance use disorder	1.54	[0.559, 4.248]	0.403	1.55	[0.561, 4.305]	0.396
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.30	[0.788, 2.148]	0.303	1.30	[0.788, 2.150]	0.303
Bachelor's/Post graduate degree	0.56	[0.264, 1.175]	0.124	0.56	[0.264, 1.178]	0.126
Any HRA record (DW)						
No					Reference	
Yes				1.01	[0.639, 1.586]	0.978
Constant	1.39	[0.678, 2.859]	0.367	1.37	[0.660, 2.828]	0.400
N	825			826		
F-value	1.331			1.326		
Model degrees of freedom	18.0			18.0		
Residual degrees of freedom	813.0			814.0		
F-value significance	0.160			0.163		

Notes: Multiple logistic regression.

4.8 Attempting to quit smoking or using tobacco

4.8.1 Attempting to quit smoking or using tobacco by selected characteristics

| | Attempting to quit smoking or using tobacco | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=412)	89.6	[85.6, 92.5]	10.4	[7.5, 14.4]	100.0
Associate's degree/Some college (n=233)	88.0	[80.7, 92.8]	12.0	[7.2, 19.3]	100.0
Bachelor's/Post graduate degree (n=28)	88.8	[68.7, 96.7]	11.2	[3.3, 31.3]	100.0
Pearson: Uncorrected chi2(2) =	0.3699				
Design-based F(1.88, 1239.41) =	0.1273	Pr =	0.868		
Discussed HRA with provider					
Yes (n=322)	90.2	[85.5, 93.5]	9.8	[6.5, 14.5]	100.0
No/Don't know (n=351)	88.0	[82.9, 91.8]	12.0	[8.2, 17.1]	100.0
Pearson: Uncorrected chi2(1) =	0.8395				
Design-based F(1.00, 661.00) =	0.5494	Pr =	0.459		
Any HRA record (DW)					
Yes (n=303)	90.8	[85.9, 94.1]	9.2	[5.9, 14.1]	100.0
No (n=371)	87.6	[82.6, 91.3]	12.4	[8.7, 17.4]	100.0
Pearson: Uncorrected chi2(1) =	1.7376				
Design-based F(1.00, 662.00) =	1.1187	Pr =	0.291		
Total (n=674)	89.0	[85.6, 91.6]	11.0	[8.4, 14.4]	100.0

Note: χ^2 test of independence.

4.8.2 Predictors of attempting to quit smoking or using tobacco

	Attempting to quit smoking or using tobacco			Attempting to quit smoking or using tobacco		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.37	[0.735, 2.537]	0.324			
Age						
19-35		Reference			Reference	
36-49	0.95	[0.431, 2.073]	0.889	0.95	[0.436, 2.071]	0.898
50-64	1.13	[0.447, 2.869]	0.793	1.13	[0.460, 2.761]	0.792
Gender						
Male		Reference			Reference	
Female	0.95	[0.478, 1.886]	0.882	0.97	[0.494, 1.894]	0.923
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.12	[0.400, 3.149]	0.825	1.18	[0.408, 3.437]	0.756
Hispanic	2.08	[0.436, 9.895]	0.359	2.19	[0.486, 9.910]	0.306
Other, non-Hispanic	3.41	[0.680, 17.104]	0.135	3.23	[0.659, 15.830]	0.148
FPL category						
0-35%		Reference			Reference	
36-99%	1.25	[0.597, 2.603]	0.557	1.29	[0.611, 2.703]	0.508
100%+	0.90	[0.405, 1.981]	0.786	0.88	[0.403, 1.931]	0.752
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.16	[0.548, 2.466]	0.695	1.12	[0.532, 2.373]	0.759
S Central/SW/SE	0.84	[0.380, 1.850]	0.662	0.84	[0.377, 1.857]	0.661
Detroit Metro	1.26	[0.481, 3.327]	0.634	1.21	[0.454, 3.248]	0.699
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.25	[0.570, 2.733]	0.579	1.30	[0.611, 2.775]	0.494
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.47	[0.183, 1.186]	0.109	0.50	[0.190, 1.295]	0.152
Mental health condition	0.66	[0.261, 1.663]	0.376	0.68	[0.270, 1.697]	0.405
Substance use disorder	0.56	[0.194, 1.602]	0.277	0.58	[0.200, 1.675]	0.312
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.71	[0.359, 1.393]	0.316	0.68	[0.342, 1.356]	0.274
Bachelor's/Post graduate degree	1.07	[0.258, 4.437]	0.926	1.03	[0.244, 4.315]	0.972
Any HRA record (DW)						
No					Reference	
Yes				1.33	[0.723, 2.449]	0.358
Constant	7.79	[2.595, 23.357]	0.000	7.62	[2.440, 23.779]	0.000
N	660			661		
F-value	0.874			0.993		
Model degrees of freedom	18.0			18.0		
Residual degrees of freedom	648.0			649.0		
F-value significance	0.611			0.466		

Notes: Multiple logistic regression.

4.9 Got help with reducing/quitting tobacco in last 12 months

4.9.1 Got help with reducing/quitting tobacco in last 12 months by selected characteristics

	Got help with reducing/quitting tobacco in last 12 months				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=411)	47.1	[41.1, 53.1]	52.9	[46.9, 58.9]	100.0
Associate's degree/Some college (n=234)	48.3	[39.6, 57.1]	51.7	[42.9, 60.4]	100.0
Bachelor's/Post graduate degree (n=29)	43.5	[25.6, 63.3]	56.5	[36.7, 74.4]	100.0
Pearson: Uncorrected chi2(2) =	0.2559				
Design-based F(1.90, 1256.17) =	0.0858	Pr =	0.909		
Health status					
Excellent/Very good/Good (n=442)	44.9	[38.9, 51.0]	55.1	[49.0, 61.1]	100.0
Fair/Poor (n=233)	52.6	[44.8, 60.3]	47.4	[39.7, 55.2]	100.0
Pearson: Uncorrected chi2(1) =	3.4812				
Design-based F(1.00, 663.00) =	2.3271	Pr =	0.128		
Discussed HRA with provider					
Yes (n=324)	64.5	[57.2, 71.1]	35.5	[28.9, 42.8]	100.0
No/Don't know (n=350)	34.3	[28.1, 41.0]	65.7	[59.0, 71.9]	100.0
Pearson: Uncorrected chi2(1) =	60.3583				
Design-based F(1.00, 662.00) =	35.0552	Pr =	0.000		
Any HRA record (DW)					
Yes (n=304)	53.8	[46.3, 61.1]	46.2	[38.9, 53.7]	100.0
No (n=371)	42.5	[36.2, 49.0]	57.5	[51.0, 63.8]	100.0
Pearson: Uncorrected chi2(1) =	8.4371				
Design-based F(1.00, 663.00) =	5.0095	Pr =	0.026		
PCP visit in past 12 months					
Yes (n=491)	62.5	[56.9, 67.7]	37.5	[32.3, 43.1]	100.0
No (n=79)	19.9	[11.7, 31.6]	80.1	[68.4, 88.3]	100.0
Pearson: Uncorrected chi2(1) =	67.4112				
Design-based F(1.00, 558.00) =	37.5859	Pr =	0.000		
Total (n=675)	47.3	[42.5, 52.2]	52.7	[47.8, 57.5]	100.0

Note: χ^2 test of independence.

4.9.2 Predictors of getting help with reducing/quitting tobacco in last 12 months

	Got help with reducing/quitting tobacco in last 12 months			Got help with reducing/quitting tobacco in last 12 months		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	1.12	[0.686, 1.820]	0.655	1.07	[0.665, 1.736]	0.769
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.95	[1.213, 3.129]	0.006			
PCP visit in past 12 months						
No		Reference			Reference	
Yes	4.64	[2.250, 9.568]	0.000	5.22	[2.632, 10.361]	0.000
Age						
19-35		Reference			Reference	
36-49	0.98	[0.549, 1.750]	0.946	1.02	[0.574, 1.801]	0.955
50-64	1.40	[0.731, 2.684]	0.309	1.57	[0.831, 2.955]	0.165
Gender						
Male		Reference			Reference	
Female	1.44	[0.888, 2.341]	0.138	1.46	[0.905, 2.354]	0.121
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.96	[0.485, 1.901]	0.908	1.09	[0.562, 2.109]	0.802
Hispanic	1.90	[0.503, 7.161]	0.344	2.19	[0.594, 8.057]	0.239
Other, non-Hispanic	2.13	[0.836, 5.430]	0.113	2.08	[0.824, 5.246]	0.121
FPL category						
0-35%		Reference			Reference	
36-99%	1.43	[0.852, 2.414]	0.174	1.44	[0.854, 2.435]	0.170
100%+	1.00	[0.566, 1.784]	0.988	0.98	[0.548, 1.746]	0.941
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.10	[0.611, 1.989]	0.747	1.05	[0.587, 1.887]	0.865
S Central/SW/SE	0.96	[0.491, 1.876]	0.904	0.99	[0.507, 1.919]	0.968
Detroit Metro	1.05	[0.545, 2.030]	0.880	0.96	[0.505, 1.836]	0.908
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.30	[0.716, 2.344]	0.391	1.36	[0.760, 2.441]	0.298
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	2.25	[1.153, 4.389]	0.018	2.40	[1.244, 4.633]	0.009
Mental health condition	1.27	[0.714, 2.269]	0.413	1.33	[0.764, 2.328]	0.310
Substance use disorder	1.09	[0.415, 2.840]	0.867	1.10	[0.438, 2.758]	0.840
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.44	[0.880, 2.343]	0.148	1.39	[0.851, 2.261]	0.189
Bachelor's/Post graduate degree	0.71	[0.247, 2.028]	0.518	0.66	[0.233, 1.853]	0.427
Any HRA record (DW)						
No					Reference	
Yes				1.09	[0.686, 1.718]	0.726
Constant	0.08	[0.029, 0.247]	0.000	0.10	[0.033, 0.280]	0.000
N	560			561		
F-value	3.293			3.045		
Model degrees of freedom	20.0			20.0		
Residual degrees of freedom	548.0			549.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.10 Drug use in last 30 days

4.10.1 Drug use in last 30 days by selected characteristics

| | Drug use in last 30 days | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	7.4	[5.6, 9.8]	92.6	[90.2, 94.4]	100.0
Associate's degree/Some college (n=1,001)	5.6	[3.9, 7.9]	94.4	[92.1, 96.1]	100.0
Bachelor's/Post graduate degree (n=338)	3.8	[2.0, 6.8]	96.2	[93.2, 98.0]	100.0
Pearson: Uncorrected chi2(2) =	6.9844				
Design-based F(1.89, 4880.34) =	2.1958	Pr =	0.114		
Discussed HRA with provider					
Yes (n=1,206)	7.0	[5.2, 9.4]	93.0	[90.6, 94.8]	100.0
No/Don't know (n=1,390)	5.6	[4.2, 7.5]	94.4	[92.5, 95.8]	100.0
Pearson: Uncorrected chi2(1) =	2.0640				
Design-based F(1.00, 2584.00) =	1.0602	Pr =	0.303		
Any HRA record (DW)					
Yes (n=1,232)	6.0	[4.4, 8.2]	94.0	[91.8, 95.6]	100.0
No (n=1,366)	6.4	[4.8, 8.5]	93.6	[91.5, 95.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1747				
Design-based F(1.00, 2586.00) =	0.0905	Pr =	0.764		
Total (n=2,598)	6.2	[5.1, 7.7]	93.8	[92.3, 94.9]	100.0

Note: χ^2 test of independence.

4.10.2 Predictors of drug use in last 30 days

	Drug use in last 30 days			Drug use in last 30 days		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.14	[0.733, 1.769]	0.564			
Age						
19-35		Reference			Reference	
36-49	0.77	[0.432, 1.366]	0.369	0.77	[0.426, 1.380]	0.376
50-64	0.54	[0.282, 1.048]	0.069	0.55	[0.277, 1.091]	0.087
Gender						
Male		Reference			Reference	
Female	0.47	[0.298, 0.745]	0.001	0.47	[0.298, 0.746]	0.001
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.03	[0.540, 1.976]	0.922	1.05	[0.549, 2.013]	0.880
Hispanic	1.46	[0.630, 3.381]	0.377	1.46	[0.630, 3.373]	0.379
Other, non-Hispanic	0.79	[0.365, 1.724]	0.559	0.79	[0.364, 1.725]	0.557
FPL category						
0-35%		Reference			Reference	
36-99%	0.74	[0.453, 1.222]	0.243	0.75	[0.455, 1.224]	0.246
100%+	1.02	[0.586, 1.768]	0.949	1.02	[0.588, 1.771]	0.941
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.28	[0.656, 2.490]	0.471	1.28	[0.657, 2.491]	0.468
S Central/SW/SE	1.77	[0.926, 3.397]	0.084	1.78	[0.931, 3.421]	0.081
Detroit Metro	1.29	[0.667, 2.498]	0.448	1.29	[0.663, 2.491]	0.458
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.84	[0.479, 1.456]	0.525	0.84	[0.484, 1.457]	0.535
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	5.87	[3.083, 11.189]	0.000	6.02	[3.088, 11.727]	0.000
Mental health condition	2.25	[1.219, 4.145]	0.009	2.29	[1.219, 4.313]	0.010
Substance use disorder	6.66	[2.908, 15.264]	0.000	6.70	[2.878, 15.584]	0.000
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.90	[0.546, 1.472]	0.667	0.89	[0.547, 1.456]	0.649
Bachelor's/Post graduate degree	0.71	[0.339, 1.504]	0.375	0.71	[0.340, 1.502]	0.375
Any HRA record (DW)						
No					Reference	
Yes				1.06	[0.663, 1.688]	0.813
Constant	0.04	[0.019, 0.097]	0.000	0.04	[0.019, 0.101]	0.000
N	2,525			2,527		
F-value	3.626			3.722		
Model degrees of freedom	18.0			18.0		
Residual degrees of freedom	2,513.0			2,515.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.11 Discussed HRA with provider

4.11.1 Discussed HRA with provider by selected characteristics

	Discussed HRA with provider				Total
	Yes		**No/Don't know**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,251)	43.1	[39.7, 46.6]	56.9	[53.4, 60.3]	100.0
Associate's degree/Some college (n=1,002)	43.0	[39.2, 47.0]	57.0	[53.0, 60.8]	100.0
Bachelor's/Post graduate degree (n=338)	45.9	[39.6, 52.4]	54.1	[47.6, 60.4]	100.0
Pearson: Uncorrected chi2(2) =	0.8998				
Design-based F(1.99, 5119.62) =	0.2982	Pr =	0.741		
Homeless in last 12 months					
Yes (n=155)	44.0	[34.8, 53.7]	56.0	[46.3, 65.2]	100.0
No (n=2,442)	43.3	[40.8, 45.8]	56.7	[54.2, 59.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0471				
Design-based F(1.00, 2585.00) =	0.0238	Pr =	0.877		
Need help reading written materials					
Sometimes/Often/Always (n=403)	47.1	[41.2, 53.1]	52.9	[46.9, 58.8]	100.0
Never/Rarely (n=2,191)	42.6	[40.0, 45.2]	57.4	[54.8, 60.0]	100.0
Pearson: Uncorrected chi2(1) =	2.9265				
Design-based F(1.00, 2582.00) =	1.8478	Pr =	0.174		
Non-English survey language					
Yes (n=55)	26.1	[15.4, 40.6]	73.9	[59.4, 84.6]	100.0
No (n=2,545)	43.8	[41.4, 46.2]	56.2	[53.8, 58.6]	100.0
Pearson: Uncorrected chi2(1) =	7.6254				
Design-based F(1.00, 2588.00) =	5.6437	Pr =	0.018		
Health status					
Excellent/Very good/Good (n=1,947)	41.9	[39.2, 44.7]	58.1	[55.3, 60.8]	100.0
Fair/Poor (n=653)	47.8	[43.2, 52.4]	52.2	[47.6, 56.8]	100.0
Pearson: Uncorrected chi2(1) =	6.7353				
Design-based F(1.00, 2588.00) =	4.5598	Pr =	0.033		
May get reduction by completing HRA					
Yes (n=824)	51.5	[47.1, 55.9]	48.5	[44.1, 52.9]	100.0
No/Don't know (n=1,775)	39.9	[37.1, 42.8]	60.1	[57.2, 62.9]	100.0
Pearson: Uncorrected chi2(1) =	29.7420				
Design-based F(1.00, 2587.00) =	18.6489	Pr =	0.000		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,449)	54.3	[51.0, 57.5]	45.7	[42.5, 49.0]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	36.8	[30.0, 44.2]	63.2	[55.8, 70.0]	100.0
Pearson: Uncorrected chi2(1) =	32.2639				
Design-based F(1.00, 1716.00) =	17.7433	Pr =	0.000		
PCP visit in past 12 months					
Yes (n=1,951)	52.8	[50.0, 55.6]	47.2	[44.4, 50.0]	100.0
No (n=297)	21.7	[15.9, 28.8]	78.3	[71.2, 84.1]	100.0
Pearson: Uncorrected chi2(1) =	120.7224				
Design-based F(1.00, 2236.00) =	53.1997	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,231)	48.7	[46.1, 51.3]	51.3	[48.7, 53.9]	100.0
No (n=369)	19.3	[14.5, 25.0]	80.7	[75.0, 85.5]	100.0
Pearson: Uncorrected chi2(1) =	136.0883				
Design-based F(1.00, 2588.00) =	65.1193	Pr =	0.000		
Total (n=2,600)	43.4	[41.0, 45.8]	56.6	[54.2, 59.0]	100.0

Note: χ^2 test of independence.

4.11.2 Predictors of discussed HRA with provider

	Discussed HRA with provider			Discussed HRA with provider		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Homeless in last 12 months						
No		Reference			Reference	
Yes	1.08	[0.540, 2.149]	0.832	0.96	[0.510, 1.810]	0.900
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.34	[0.888, 2.014]	0.164	1.36	[0.923, 2.004]	0.120
Non-English survey language						
No		Reference			Reference	
Yes	0.89	[0.246, 3.250]	0.865	0.68	[0.211, 2.228]	0.529
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	1.36	[0.990, 1.874]	0.058	1.29	[0.950, 1.762]	0.102
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	1.62	[1.216, 2.157]	0.001	1.58	[1.210, 2.057]	0.001
Carefully review MIHA statement						
Strongly disagree/Disagree/Neutral/Don't know		Reference			Reference	
Strongly agree/Agree	1.83	[1.245, 2.675]	0.002	1.94	[1.358, 2.782]	0.000
PCP visit in past 12 months						
No		Reference				
Yes	3.28	[1.979, 5.424]	0.000			
Age						
19-35		Reference			Reference	
36-49	1.11	[0.768, 1.600]	0.582	1.12	[0.799, 1.570]	0.510
50-64	1.68	[1.173, 2.408]	0.005	1.72	[1.238, 2.399]	0.001
Gender						
Male		Reference			Reference	
Female	0.89	[0.661, 1.188]	0.418	0.95	[0.720, 1.245]	0.695
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.29	[0.818, 2.037]	0.273	1.57	[1.047, 2.362]	0.029
Hispanic	0.90	[0.528, 1.522]	0.686	0.99	[0.598, 1.654]	0.984
Other, non-Hispanic	1.11	[0.670, 1.847]	0.680	1.19	[0.731, 1.950]	0.479
FPL category						
0-35%		Reference			Reference	
36-99%	0.85	[0.621, 1.174]	0.331	0.89	[0.657, 1.196]	0.430
100%+	0.87	[0.621, 1.209]	0.399	0.90	[0.662, 1.236]	0.528
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.10	[0.794, 1.519]	0.570	1.01	[0.736, 1.390]	0.946
S Central/SW/SE	0.84	[0.581, 1.213]	0.350	0.73	[0.507, 1.047]	0.087
Detroit Metro	0.91	[0.625, 1.328]	0.627	0.76	[0.526, 1.087]	0.131
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.24	[0.883, 1.743]	0.214	1.31	[0.959, 1.786]	0.090
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.33	[0.845, 2.105]	0.217	1.36	[0.866, 2.132]	0.182
Mental health condition	1.20	[0.896, 1.610]	0.221	1.25	[0.945, 1.650]	0.118
Substance use disorder	0.84	[0.364, 1.920]	0.674	0.77	[0.369, 1.606]	0.486
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.03	[0.761, 1.395]	0.847	0.99	[0.749, 1.307]	0.943
Bachelor's/Post graduate degree	1.00	[0.675, 1.482]	0.999	1.02	[0.700, 1.481]	0.924
Any primary care visit (DW)						
No					Reference	
Yes				3.71	[2.286, 6.035]	0.000
Constant	0.12	[0.055, 0.245]	0.000	0.09	[0.045, 0.183]	0.000
N	1,518			1,685		
F-value	3.869			4.600		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	1,506.0			1,673.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.12 Any HRA record (DW)

4.12.1 Any HRA record (DW) by selected characteristics

	Any HRA record (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	36.9	[33.3, 40.6]	63.1	[59.4, 66.7]	100.0
36-49 (n=696)	45.0	[40.5, 49.7]	55.0	[50.3, 59.5]	100.0
50-64 (n=870)	62.9	[59.0, 66.7]	37.1	[33.3, 41.0]	100.0
Pearson: Uncorrected chi2(2) =	113.7767				
Design-based F(1.93, 5005.29) =	40.0920	Pr =	0.000		
Gender					
Male (n=1,055)	44.3	[40.6, 48.1]	55.7	[51.9, 59.4]	100.0
Female (n=1,547)	45.7	[42.7, 48.8]	54.3	[51.2, 57.3]	100.0
Pearson: Uncorrected chi2(1) =	0.4971				
Design-based F(1.00, 2590.00) =	0.3090	Pr =	0.578		
Race/ethnicity					
White, non-Hispanic (n=1,696)	48.0	[45.0, 51.0]	52.0	[49.0, 55.0]	100.0
Black, non-Hispanic (n=422)	35.2	[29.9, 40.8]	64.8	[59.2, 70.1]	100.0
Hispanic (n=169)	39.6	[31.3, 48.5]	60.4	[51.5, 68.7]	100.0
Other, non-Hispanic (n=248)	50.3	[42.8, 57.7]	49.7	[42.3, 57.2]	100.0
Pearson: Uncorrected chi2(3) =	32.9898				
Design-based F(2.97, 7498.81) =	6.4376	Pr =	0.000		
FPL category					
0-35% (n=960)	46.4	[42.6, 50.2]	53.6	[49.8, 57.4]	100.0
36-99% (n=947)	41.2	[37.7, 44.7]	58.8	[55.3, 62.3]	100.0
100%+ (n=695)	46.5	[42.3, 50.8]	53.5	[49.2, 57.7]	100.0
Pearson: Uncorrected chi2(2) =	5.6283				
Design-based F(1.89, 4903.35) =	2.3328	Pr =	0.100		
Region					
UP/NW/NE (n=518)	42.4	[37.8, 47.2]	57.6	[52.8, 62.2]	100.0
W/E Central/E (n=770)	48.5	[44.5, 52.5]	51.5	[47.5, 55.5]	100.0
S Central/SW/SE (n=523)	41.7	[36.9, 46.7]	58.3	[53.3, 63.1]	100.0
Detroit Metro (n=791)	44.9	[40.6, 49.2]	55.1	[50.8, 59.4]	100.0
Pearson: Uncorrected chi2(3) =	6.3086				
Design-based F(2.63, 6815.37) =	1.7109	Pr =	0.169		
Chronic condition (2018 survey or DW)					
No (n=958)	37.8	[34.0, 41.8]	62.2	[58.2, 66.0]	100.0
Yes (n=1,644)	49.9	[46.8, 53.0]	50.1	[47.0, 53.2]	100.0
Pearson: Uncorrected chi2(1) =	36.9087				
Design-based F(1.00, 2590.00) =	21.8317	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	45.1	[41.6, 48.7]	54.9	[51.3, 58.4]	100.0
Mental health condition and substance use disorder (n=301)	41.8	[35.1, 48.8]	58.2	[51.2, 64.9]	100.0
Mental health condition (n=944)	47.4	[43.5, 51.4]	52.6	[48.6, 56.5]	100.0
Substance use disorder (n=100)	33.6	[24.2, 44.6]	66.4	[55.4, 75.8]	100.0
Pearson: Uncorrected chi2(3) =	8.6452				
Design-based F(2.96, 7660.22) =	1.9350	Pr =	0.123		
Total (n=2,602)	45.0	[42.6, 47.5]	55.0	[52.5, 57.4]	100.0

Note: χ^2 test of independence.

4.12.2 Any HRA record (DW) by selected characteristics (continued)

| | Any HRA record (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	42.0	[38.6, 45.5]	58.0	[54.5, 61.4]	100.0
Associate's degree/Some college (n=1,003)	46.8	[42.9, 50.8]	53.2	[49.2, 57.1]	100.0
Bachelor's/Post graduate degree (n=338)	50.6	[44.1, 57.0]	49.4	[43.0, 55.9]	100.0
Pearson: Uncorrected chi2(2) =	9.7318				
Design-based F(1.98, 5120.92) =	3.2029	Pr =	0.041		
Homeless in last 12 months					
Yes (n=155)	38.0	[29.4, 47.4]	62.0	[52.6, 70.6]	100.0
No (n=2,444)	45.6	[43.1, 48.1]	54.4	[51.9, 56.9]	100.0
Pearson: Uncorrected chi2(1) =	4.5190				
Design-based F(1.00, 2587.00) =	2.3806	Pr =	0.123		
Need help reading written materials					
Sometimes/Often/Always (n=403)	49.1	[43.1, 55.1]	50.9	[44.9, 56.9]	100.0
Never/Rarely (n=2,193)	44.2	[41.5, 46.9]	55.8	[53.1, 58.5]	100.0
Pearson: Uncorrected chi2(1) =	3.4691				
Design-based F(1.00, 2584.00) =	2.1682	Pr =	0.141		
Non-English survey language					
Yes (n=55)	55.7	[39.6, 70.6]	44.3	[29.4, 60.4]	100.0
No (n=2,547)	44.8	[42.3, 47.2]	55.2	[52.8, 57.7]	100.0
Pearson: Uncorrected chi2(1) =	2.8626				
Design-based F(1.00, 2590.00) =	1.7333	Pr =	0.188		
Health status					
Excellent/Very good/Good (n=1,948)	44.0	[41.2, 46.8]	56.0	[53.2, 58.8]	100.0
Fair/Poor (n=654)	48.2	[43.6, 52.8]	51.8	[47.2, 56.4]	100.0
Pearson: Uncorrected chi2(1) =	3.4725				
Design-based F(1.00, 2590.00) =	2.3314	Pr =	0.127		
May get reduction by completing HRA					
Yes (n=825)	50.2	[45.8, 54.6]	49.8	[45.4, 54.2]	100.0
No/Don't know (n=1,776)	42.8	[39.9, 45.7]	57.2	[54.3, 60.1]	100.0
Pearson: Uncorrected chi2(1) =	11.9644				
Design-based F(1.00, 2589.00) =	7.5026	Pr =	0.006		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,451)	51.8	[48.5, 55.0]	48.2	[45.0, 51.5]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	44.5	[37.2, 52.0]	55.5	[48.0, 62.8]	100.0
Pearson: Uncorrected chi2(1) =	5.5630				
Design-based F(1.00, 1718.00) =	3.0177	Pr =	0.083		
Discussed HRA with provider					
Yes (n=1,208)	59.2	[55.7, 62.7]	40.8	[37.3, 44.3]	100.0
No/Don't know (n=1,392)	34.1	[31.0, 37.3]	65.9	[62.7, 69.0]	100.0
Pearson: Uncorrected chi2(1) =	162.8799				
Design-based F(1.00, 2588.00) =	101.6942	Pr =	0.000		
PCP visit in past 12 months					
Yes (n=1,952)	52.3	[49.5, 55.1]	47.7	[44.9, 50.5]	100.0
No (n=298)	32.7	[26.0, 40.2]	67.3	[59.8, 74.0]	100.0
Pearson: Uncorrected chi2(1) =	47.6538				
Design-based F(1.00, 2238.00) =	22.3047	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	49.6	[47.0, 52.3]	50.4	[47.7, 53.0]	100.0
No (n=369)	24.1	[19.1, 29.8]	75.9	[70.2, 80.9]	100.0
Pearson: Uncorrected chi2(1) =	102.1137				
Design-based F(1.00, 2590.00) =	55.4981	Pr =	0.000		
Total (n=2,602)	45.0	[42.6, 47.5]	55.0	[52.5, 57.4]	100.0

Note: χ^2 test of independence.

4.12.3 Predictors of any HRA record (DW)

	Any HRA record (DW)			Any HRA record (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.71	[0.376, 1.347]	0.296	0.72	[0.398, 1.288]	0.264
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.25	[0.842, 1.871]	0.265	1.23	[0.841, 1.790]	0.288
Non-English survey language						
No		Reference			Reference	
Yes	0.75	[0.234, 2.373]	0.619	0.55	[0.191, 1.559]	0.258
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.99	[0.715, 1.383]	0.972	1.03	[0.752, 1.415]	0.848
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	1.62	[1.209, 2.175]	0.001	1.56	[1.185, 2.064]	0.002
Carefully review MIHA statement						
Strongly disagree/Disagree/Neutral/Don't know		Reference			Reference	
Strongly agree/Agree	0.89	[0.601, 1.312]	0.550	1.01	[0.706, 1.447]	0.955
Discussed HRA with provider						
No/Don't know		Reference			Reference	
Yes	2.78	[2.097, 3.673]	0.000	2.89	[2.225, 3.756]	0.000
PCP visit in past 12 months						
No		Reference				
Yes	1.93	[1.206, 3.080]	0.006			
Age						
19-35		Reference			Reference	
36-49	1.39	[0.979, 1.984]	0.066	1.43	[1.022, 2.007]	0.037
50-64	2.48	[1.729, 3.557]	0.000	2.49	[1.775, 3.484]	0.000
Gender						
Male		Reference			Reference	
Female	0.79	[0.594, 1.055]	0.111	0.72	[0.553, 0.948]	0.019
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.54	[0.353, 0.826]	0.004	0.62	[0.418, 0.930]	0.020
Hispanic	1.12	[0.644, 1.963]	0.680	1.11	[0.663, 1.871]	0.682
Other, non-Hispanic	0.94	[0.546, 1.601]	0.807	0.88	[0.533, 1.449]	0.612
FPL category						
0-35%		Reference			Reference	
36-99%	0.63	[0.455, 0.866]	0.005	0.67	[0.497, 0.917]	0.012
100%+	0.93	[0.651, 1.317]	0.669	0.91	[0.654, 1.267]	0.576
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	2.03	[1.439, 2.877]	0.000	1.63	[1.164, 2.291]	0.005
S Central/SW/SE	1.67	[1.136, 2.444]	0.009	1.33	[0.915, 1.937]	0.134
Detroit Metro	2.59	[1.758, 3.821]	0.000	2.09	[1.435, 3.040]	0.000
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.99	[0.708, 1.373]	0.934	1.10	[0.801, 1.498]	0.567
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.45	[0.273, 0.756]	0.002	0.47	[0.290, 0.769]	0.003
Mental health condition	0.86	[0.633, 1.157]	0.312	0.86	[0.645, 1.133]	0.275
Substance use disorder	0.43	[0.221, 0.837]	0.013	0.42	[0.222, 0.801]	0.008
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.15	[0.850, 1.546]	0.371	1.18	[0.891, 1.575]	0.243
Bachelor's/Post graduate degree	1.09	[0.730, 1.628]	0.672	1.19	[0.798, 1.762]	0.400
Any primary care visit (DW)						
No					Reference	
Yes				2.02	[1.258, 3.233]	0.004
Constant	0.20	[0.093, 0.414]	0.000	0.17	[0.084, 0.351]	0.000
N	1,518			1,685		
F-value	7.154			7.550		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	1,506.0			1,673.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

4.13 Any HRA completion with physician attestation (DW)

4.13.1 Any HRA completion with physician attestation (DW)

	Any HRA completion with physician attestation (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	25.6	[22.5, 28.9]	74.4	[71.1, 77.5]	100.0
36-49 (n=696)	29.3	[25.4, 33.6]	70.7	[66.4, 74.6]	100.0
50-64 (n=870)	44.9	[40.9, 49.0]	55.1	[51.0, 59.1]	100.0
Pearson: Uncorrected chi2(2) =	73.8086				
Design-based F(1.95, 5062.87) =	26.0841	Pr =	0.000		
Gender					
Male (n=1,055)	29.1	[25.9, 32.5]	70.9	[67.5, 74.1]	100.0
Female (n=1,547)	33.0	[30.3, 36.0]	67.0	[64.0, 69.7]	100.0
Pearson: Uncorrected chi2(1) =	4.7814				
Design-based F(1.00, 2590.00) =	3.0802	Pr =	0.079		
Race/ethnicity					
White, non-Hispanic (n=1,696)	33.7	[31.0, 36.6]	66.3	[63.4, 69.0]	100.0
Black, non-Hispanic (n=422)	22.1	[18.0, 26.9]	77.9	[73.1, 82.0]	100.0
Hispanic (n=169)	26.1	[19.2, 34.4]	73.9	[65.6, 80.8]	100.0
Other, non-Hispanic (n=248)	38.2	[31.0, 45.9]	61.8	[54.1, 69.0]	100.0
Pearson: Uncorrected chi2(3) =	35.2543				
Design-based F(2.96, 7468.82) =	7.1021	Pr =	0.000		
FPL category					
0-35% (n=960)	31.7	[28.3, 35.3]	68.3	[64.7, 71.7]	100.0
36-99% (n=947)	29.3	[26.2, 32.6]	70.7	[67.4, 73.8]	100.0
100%+ (n=695)	31.6	[27.9, 35.5]	68.4	[64.5, 72.1]	100.0
Pearson: Uncorrected chi2(2) =	1.3003				
Design-based F(1.90, 4912.78) =	0.5653	Pr =	0.559		
Region					
UP/NW/NE (n=518)	32.2	[27.9, 36.8]	67.8	[63.2, 72.1]	100.0
W/E Central/E (n=770)	36.1	[32.3, 40.0]	63.9	[60.0, 67.7]	100.0
S Central/SW/SE (n=523)	25.4	[21.4, 29.8]	74.6	[70.2, 78.6]	100.0
Detroit Metro (n=791)	30.2	[26.5, 34.2]	69.8	[65.8, 73.5]	100.0
Pearson: Uncorrected chi2(3) =	16.5610				
Design-based F(2.64, 6840.86) =	4.6706	Pr =	0.004		
Chronic condition (2018 survey or DW)					
No (n=958)	24.0	[20.8, 27.5]	76.0	[72.5, 79.2]	100.0
Yes (n=1,644)	35.8	[32.9, 38.7]	64.2	[61.3, 67.1]	100.0
Pearson: Uncorrected chi2(1) =	40.3299				
Design-based F(1.00, 2590.00) =	25.3605	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	32.0	[28.8, 35.4]	68.0	[64.6, 71.2]	100.0
Mental health condition and substance use disorder (n=301)	22.5	[17.6, 28.2]	77.5	[71.8, 82.4]	100.0
Mental health condition (n=944)	33.7	[30.1, 37.5]	66.3	[62.5, 69.9]	100.0
Substance use disorder (n=100)	23.6	[15.9, 33.6]	76.4	[66.4, 84.1]	100.0
Pearson: Uncorrected chi2(3) =	17.0185				
Design-based F(2.96, 7670.18) =	4.1937	Pr =	0.006		
Total (n=2,602)	31.0	[28.9, 33.3]	69.0	[66.7, 71.1]	100.0

Note: χ^2 test of independence.

4.13.2 Any HRA completion with physician attestation (DW) by selected characteristics (continued)

| | Any HRA completion with physician attestation (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	28.6	[25.7, 31.7]	71.4	[68.3, 74.3]	100.0
Associate's degree/Some college (n=1,003)	32.1	[28.5, 35.9]	67.9	[64.1, 71.5]	100.0
Bachelor's/Post graduate degree (n=338)	37.4	[31.4, 43.8]	62.6	[56.2, 68.6]	100.0
Pearson: Uncorrected chi2(2) =	9.8336				
Design-based F(1.99, 5133.03) =	3.3321	Pr =	0.036		
Homeless in last 12 months					
Yes (n=155)	21.0	[14.8, 28.8]	79.0	[71.2, 85.2]	100.0
No (n=2,444)	31.9	[29.6, 34.2]	68.1	[65.8, 70.4]	100.0
Pearson: Uncorrected chi2(1) =	10.6979				
Design-based F(1.00, 2587.00) =	6.6331	Pr =	0.010		
Need help reading written materials					
Sometimes/Often/Always (n=403)	35.0	[29.5, 41.0]	65.0	[59.0, 70.5]	100.0
Never/Rarely (n=2,193)	30.2	[27.9, 32.7]	69.8	[67.3, 72.1]	100.0
Pearson: Uncorrected chi2(1) =	3.8334				
Design-based F(1.00, 2584.00) =	2.4231	Pr =	0.120		
Non-English survey language					
Yes (n=55)	46.6	[30.7, 63.2]	53.4	[36.8, 69.3]	100.0
No (n=2,547)	30.7	[28.5, 32.9]	69.3	[67.1, 71.5]	100.0
Pearson: Uncorrected chi2(1) =	7.0955				
Design-based F(1.00, 2590.00) =	3.9332	Pr =	0.047		
Health status					
Excellent/Very good/Good (n=1,948)	31.3	[28.8, 34.0]	68.7	[66.0, 71.2]	100.0
Fair/Poor (n=654)	30.1	[26.2, 34.4]	69.9	[65.6, 73.8]	100.0
Pearson: Uncorrected chi2(1) =	0.3154				
Design-based F(1.00, 2590.00) =	0.2255	Pr =	0.635		
May get reduction by completing HRA					
Yes (n=825)	34.7	[30.8, 38.9]	65.3	[61.1, 69.2]	100.0
No/Don't know (n=1,776)	29.5	[26.9, 32.1]	70.5	[67.9, 73.1]	100.0
Pearson: Uncorrected chi2(1) =	7.1382				
Design-based F(1.00, 2589.00) =	4.7087	Pr =	0.030		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,451)	37.8	[34.8, 40.9]	62.2	[59.1, 65.2]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	31.2	[24.6, 38.7]	68.8	[61.3, 75.4]	100.0
Pearson: Uncorrected chi2(1) =	4.9165				
Design-based F(1.00, 1718.00) =	2.6101	Pr =	0.106		
Discussed HRA with provider					
Yes (n=1,208)	45.9	[42.4, 49.4]	54.1	[50.6, 57.6]	100.0
No/Don't know (n=1,392)	19.7	[17.2, 22.4]	80.3	[77.6, 82.8]	100.0
Pearson: Uncorrected chi2(1) =	204.7411				
Design-based F(1.00, 2588.00) =	130.5328	Pr =	0.000		
Total (n=2,602)	31.0	[28.9, 33.3]	69.0	[66.7, 71.1]	100.0

Note: χ^2 test of independence.

4.13.3 Predictors of any HRA completion with physician attestation (DW)

	Any HRA completion with physician attestation (DW)		
	aOR	95% CI	p-value
Homeless in last 12 months			
No		Reference	
Yes	0.60	[0.324, 1.106]	0.102
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.26	[0.855, 1.845]	0.246
Non-English survey language			
No		Reference	
Yes	0.61	[0.190, 1.966]	0.408
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.26	[0.913, 1.739]	0.160
May get reduction by completing HRA			
No/Don't know		Reference	
Yes	1.31	[0.995, 1.718]	0.054
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	0.93	[0.636, 1.373]	0.730
Discussed HRA with provider			
No/Don't know		Reference	
Yes	3.98	[3.037, 5.225]	0.000
Age			
19-35		Reference	
36-49	1.17	[0.826, 1.652]	0.380
50-64	1.93	[1.358, 2.734]	0.000
Gender			
Male		Reference	
Female	0.85	[0.644, 1.122]	0.251
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.48	[0.319, 0.736]	0.001
Hispanic	0.96	[0.557, 1.648]	0.876
Other, non-Hispanic	0.91	[0.531, 1.544]	0.714
FPL category			
0-35%		Reference	
36-99%	0.74	[0.538, 1.006]	0.054
100%+	0.77	[0.549, 1.070]	0.118
Region			
UP/NW/NE		Reference	
W/E Central/E	1.54	[1.087, 2.172]	0.015
S Central/SW/SE	1.07	[0.723, 1.580]	0.739
Detroit Metro	1.71	[1.167, 2.498]	0.006
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.25	[0.908, 1.725]	0.171
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.39	[0.242, 0.639]	0.000
Mental health condition	0.93	[0.692, 1.241]	0.609
Substance use disorder	0.66	[0.344, 1.268]	0.213
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.01	[0.748, 1.354]	0.966
Bachelor's/Post graduate degree	1.14	[0.776, 1.683]	0.500
Constant	0.17	[0.088, 0.324]	0.000
N	1,685		
F-value	7.821		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,673.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

4.14 HRA taught me something new about my health

4.14.1 HRA taught me something new about my health by highest level of education

	HRA taught me something new about my health						Total
	Definitely yes		Somewhat yes		No		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=508)	33.7	[28.4, 39.4]	37.5	[32.4, 42.9]	28.8	[24.1, 34.1]	100.0
Associate's degree/Some college (n=427)	27.3	[22.2, 33.0]	34.2	[28.9, 40.0]	38.5	[32.9, 44.3]	100.0
Bachelor's/Post graduate degree (n=125)	15.0	[9.2, 23.5]	22.0	[15.2, 30.7]	63.0	[52.9, 72.1]	100.0
Pearson: Uncorrected chi2(4) =	51.2526						
Design-based F(3.91, 4093.66) =	9.0136	Pr =	0.000				
Total (n=1,061)	28.9	[25.5, 32.6]	34.4	[30.9, 38.0]	36.7	[33.2, 40.5]	100.0

Note: χ^2 test of independence.

4.15 HRA helped PCP better understand my health needs

4.15.1 HRA helped PCP better understand my health needs by highest level of education

	HRA helped PCP better understand my health needs								Total
	Definitely yes		Somewhat yes		No		Don't know		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education									
High school or less (n=514)	49.3	[43.8, 54.8]	40.7	[35.3, 46.3]	8.8	[5.8, 13.1]	1.3	[0.6, 2.5]	100.0
Associate's degree/Some college (n=429)	48.9	[43.0, 54.8]	39.7	[34.2, 45.5]	9.0	[6.0, 13.2]	2.4	[1.3, 4.5]	100.0
Bachelor's/Post graduate degree (n=126)	36.3	[26.9, 47.0]	40.9	[31.3, 51.4]	16.8	[10.2, 26.4]	5.9	[2.2, 14.8]	100.0
Pearson: Uncorrected chi2(6) =	20.3701								
Design-based F(5.75, 6079.97) =	2.2631	Pr =	0.037						
Total (n=1,070)	47.6	[43.9, 51.4]	40.4	[36.7, 44.1]	9.8	[7.6, 12.5]	2.3	[1.5, 3.5]	100.0

Note: χ^2 test of independence.

4.16 HRA motivated me to be more responsible for my health

4.16.1 HRA motivated me to be more responsible for my health by highest level of education

	HRA motivated me to be more responsible for my health						Total
	Definitely yes		Somewhat yes		No		
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education							
High school or less (n=514)	60.8	[55.2, 66.1]	33.7	[28.5, 39.2]	5.5	[3.7, 8.1]	100.0
Associate's degree/Some college (n=429)	60.2	[54.3, 65.8]	30.6	[25.6, 36.2]	9.2	[6.0, 13.8]	100.0
Bachelor's/Post graduate degree (n=126)	37.4	[28.4, 47.3]	40.0	[30.2, 50.7]	22.5	[14.2, 33.8]	100.0
Pearson: Uncorrected chi2(4) =	44.8707						
Design-based F(3.91, 4128.68) =	7.3440	Pr =	0.000				
Total (n=1,070)	57.9	[54.1, 61.6]	33.1	[29.7, 36.8]	9.0	[7.0, 11.5]	100.0

Note: χ^2 test of independence.

5 Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.

5.1 Regular source of care in last 12 months

5.1.1 Regular source of care in last 12 months by selected characteristics

	Regular source of care in last 12 months				Total
	Doctor's office or clinic		Urgent care/Walk-in clinic/ER/Other/None		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	70.0	[66.3, 73.4]	30.0	[26.6, 33.7]	100.0
36-49 (n=696)	74.0	[69.3, 78.3]	26.0	[21.7, 30.7]	100.0
50-64 (n=870)	87.4	[84.5, 89.8]	12.6	[10.2, 15.5]	100.0
Pearson: Uncorrected chi2(2) =	68.0919				
Design-based F(1.88, 4871.08) =	22.4529	Pr =	0.000		
Gender					
Male (n=1,055)	67.3	[63.5, 70.9]	32.7	[29.1, 36.5]	100.0
Female (n=1,547)	83.1	[80.6, 85.3]	16.9	[14.7, 19.4]	100.0
Pearson: Uncorrected chi2(1) =	86.5430				
Design-based F(1.00, 2590.00) =	52.6274	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	78.4	[75.7, 81.0]	21.6	[19.0, 24.3]	100.0
Black, non-Hispanic (n=422)	69.1	[63.0, 74.5]	30.9	[25.5, 37.0]	100.0
Hispanic (n=169)	63.4	[53.6, 72.3]	36.6	[27.7, 46.4]	100.0
Other, non-Hispanic (n=248)	76.8	[69.9, 82.5]	23.2	[17.5, 30.1]	100.0
Pearson: Uncorrected chi2(3) =	33.5524				
Design-based F(2.98, 7516.73) =	5.8830	Pr =	0.001		
FPL category					
0-35% (n=960)	71.9	[68.2, 75.4]	28.1	[24.6, 31.8]	100.0
36-99% (n=947)	78.8	[75.6, 81.7]	21.2	[18.3, 24.4]	100.0
100%+ (n=695)	78.8	[74.9, 82.2]	21.2	[17.8, 25.1]	100.0
Pearson: Uncorrected chi2(2) =	16.2843				
Design-based F(1.91, 4946.36) =	6.2478	Pr =	0.002		
Region					
UP/NW/NE (n=518)	81.1	[76.6, 84.9]	18.9	[15.1, 23.4]	100.0
W/E Central/E (n=770)	78.5	[74.8, 81.9]	21.5	[18.1, 25.2]	100.0
S Central/SW/SE (n=523)	74.8	[70.0, 79.0]	25.2	[21.0, 30.0]	100.0
Detroit Metro (n=791)	71.8	[67.6, 75.7]	28.2	[24.3, 32.4]	100.0
Pearson: Uncorrected chi2(3) =	15.6205				
Design-based F(2.67, 6908.94) =	3.8326	Pr =	0.012		
Chronic condition (2018 survey or DW)					
No (n=958)	67.4	[63.4, 71.2]	32.6	[28.8, 36.6]	100.0
Yes (n=1,644)	80.2	[77.4, 82.8]	19.8	[17.2, 22.6]	100.0
Pearson: Uncorrected chi2(1) =	54.8888				
Design-based F(1.00, 2590.00) =	29.5613	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	71.6	[68.0, 74.9]	28.4	[25.1, 32.0]	100.0
Mental health condition and substance use disorder (n=301)	73.4	[66.7, 79.2]	26.6	[20.8, 33.3]	100.0
Mental health condition (n=944)	82.6	[79.0, 85.7]	17.4	[14.3, 21.0]	100.0
Substance use disorder (n=100)	61.1	[48.7, 72.3]	38.9	[27.7, 51.3]	100.0
Pearson: Uncorrected chi2(3) =	45.5054				
Design-based F(2.99, 7747.59) =	8.8389	Pr =	0.000		
Total (n=2,602)	75.1	[72.7, 77.3]	24.9	[22.7, 27.3]	100.0

Note: χ^2 test of independence.

5.1.2 Regular source of care in last 12 months by selected characteristics (continued)

	Regular source of care in last 12 months				Total
	Doctor's office or clinic		Urgent care/Walk-in clinic/ER/Other/None		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	71.9	[68.4, 75.2]	28.1	[24.8, 31.6]	100.0
Associate's degree/Some college (n=1,003)	77.5	[73.7, 80.8]	22.5	[19.2, 26.3]	100.0
Bachelor's/Post graduate degree (n=338)	80.5	[75.0, 85.1]	19.5	[14.9, 25.0]	100.0
Pearson: Uncorrected chi2(2) =	14.9228				
Design-based F(1.94, 5004.85) =	4.5412	Pr =	0.011		
Homeless in last 12 months					
Yes (n=155)	57.0	[47.2, 66.4]	43.0	[33.6, 52.8]	100.0
No (n=2,444)	76.7	[74.3, 78.9]	23.3	[21.1, 25.7]	100.0
Pearson: Uncorrected chi2(1) =	39.5761				
Design-based F(1.00, 2587.00) =	19.0968	Pr =	0.000		
Number of places lived in past 3 years					
1-3 places (n=2,416)	75.9	[73.5, 78.1]	24.1	[21.9, 26.5]	100.0
4 or more places (n=164)	65.9	[55.4, 75.1]	34.1	[24.9, 44.6]	100.0
Pearson: Uncorrected chi2(1) =	9.0714				
Design-based F(1.00, 2568.00) =	4.3103	Pr =	0.038		
Need help reading written materials					
Sometimes/Often/Always (n=403)	76.7	[71.3, 81.4]	23.3	[18.6, 28.7]	100.0
Never/Rarely (n=2,193)	74.8	[72.2, 77.2]	25.2	[22.8, 27.8]	100.0
Pearson: Uncorrected chi2(1) =	0.6969				
Design-based F(1.00, 2584.00) =	0.4314	Pr =	0.511		
Health status					
Excellent/Very good/Good (n=1,948)	74.6	[71.9, 77.2]	25.4	[22.8, 28.1]	100.0
Fair/Poor (n=654)	76.4	[71.8, 80.4]	23.6	[19.6, 28.2]	100.0
Pearson: Uncorrected chi2(1) =	0.7470				
Design-based F(1.00, 2590.00) =	0.4301	Pr =	0.512		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	78.8	[75.7, 81.6]	21.2	[18.4, 24.3]	100.0
Uninsured all 12 months/Don't know (n=1,140)	70.6	[67.0, 74.0]	29.4	[26.0, 33.0]	100.0
Pearson: Uncorrected chi2(1) =	23.3426				
Design-based F(1.00, 2590.00) =	12.4623	Pr =	0.000		
Regular source of care in 12 months prior to HMP					
Yes (n=1,939)	79.2	[76.5, 81.6]	20.8	[18.4, 23.5]	100.0
No (n=576)	64.1	[59.0, 68.9]	35.9	[31.1, 41.0]	100.0
Pearson: Uncorrected chi2(1) =	57.7405				
Design-based F(1.00, 2503.00) =	31.5787	Pr =	0.000		
Total (n=2,602)	75.1	[72.7, 77.3]	24.9	[22.7, 27.3]	100.0

Note: χ^2 test of independence.

5.1.3 Predictors of regular source of care in last 12 months is doctor's office or clinic

	Regular source of care in last 12 months is doctor's office or clinic		
	aOR	95% CI	p-value
Homeless in last 12 months			
No		Reference	
Yes	0.47	[0.300, 0.741]	0.001
Number of places lived in past 3 years			
1-3 places		Reference	
4 or more places	0.71	[0.433, 1.157]	0.168
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.28	[0.912, 1.801]	0.153
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.16	[0.840, 1.609]	0.365
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.24	[0.946, 1.618]	0.119
Age			
19-35		Reference	
36-49	1.26	[0.916, 1.722]	0.158
50-64	2.57	[1.804, 3.650]	0.000
Gender			
Male		Reference	
Female	1.91	[1.465, 2.493]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.91	[0.629, 1.323]	0.628
Hispanic	0.51	[0.327, 0.803]	0.004
Other, non-Hispanic	1.12	[0.732, 1.714]	0.601
FPL category			
0-35%		Reference	
36-99%	1.37	[1.022, 1.832]	0.035
100%+	1.32	[0.954, 1.818]	0.094
Region			
UP/NW/NE		Reference	
W/E Central/E	0.92	[0.638, 1.324]	0.649
S Central/SW/SE	0.77	[0.518, 1.135]	0.185
Detroit Metro	0.71	[0.479, 1.049]	0.086
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.68	[1.254, 2.245]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.14	[0.732, 1.770]	0.565
Mental health condition	1.52	[1.115, 2.079]	0.008
Substance use disorder	0.67	[0.398, 1.131]	0.134
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.23	[0.926, 1.639]	0.152
Bachelor's/Post graduate degree	1.40	[0.918, 2.121]	0.118
Constant	1.06	[0.606, 1.838]	0.848
N	2,507		
F-value	6.986		
Model degrees of freedom	22.0		
Residual degrees of freedom	2,495.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.2 PCP visit in past 12 months

5.2.1 PCP visit in past 12 months by selected characteristics

| | PCP visit in past 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,075)	81.9	[78.4, 84.9]	18.1	[15.1, 21.6]	100.0
Associate's degree/Some college (n=861)	85.8	[82.2, 88.8]	14.2	[11.2, 17.8]	100.0
Bachelor's/Post graduate degree (n=307)	81.7	[75.0, 86.9]	18.3	[13.1, 25.0]	100.0
Pearson: Uncorrected chi2(2) =	6.2331				
Design-based F(1.99, 4446.19) =	1.6155	Pr =	0.199		
Employment status					
Full-time employment (n=599)	76.1	[70.9, 80.7]	23.9	[19.3, 29.1]	100.0
Part-time employment (n=703)	83.4	[79.3, 86.9]	16.6	[13.1, 20.7]	100.0
Not employed (n=937)	87.7	[84.4, 90.3]	12.3	[9.7, 15.6]	100.0
Pearson: Uncorrected chi2(2) =	36.2859				
Design-based F(1.99, 4430.47) =	9.2577	Pr =	0.000		
Caregiver					
Yes (n=655)	84.8	[80.6, 88.2]	15.2	[11.8, 19.4]	100.0
No (n=1,586)	82.8	[80.1, 85.3]	17.2	[14.7, 19.9]	100.0
Pearson: Uncorrected chi2(1) =	1.1989				
Design-based F(1.00, 2229.00) =	0.6438	Pr =	0.422		
Homeless in last 12 months					
Yes (n=124)	72.2	[60.3, 81.7]	27.8	[18.3, 39.7]	100.0
No (n=2,123)	84.4	[82.1, 86.4]	15.6	[13.6, 17.9]	100.0
Pearson: Uncorrected chi2(1) =	16.9949				
Design-based F(1.00, 2235.00) =	6.6602	Pr =	0.010		
Need help reading written materials					
Sometimes/Often/Always (n=345)	88.7	[84.1, 92.0]	11.3	[8.0, 15.9]	100.0
Never/Rarely (n=1,901)	82.4	[79.8, 84.7]	17.6	[15.3, 20.2]	100.0
Pearson: Uncorrected chi2(1) =	8.6819				
Design-based F(1.00, 2234.00) =	5.7345	Pr =	0.017		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,298)	85.3	[82.3, 87.9]	14.7	[12.1, 17.7]	100.0
Uninsured all 12 months/Don't know (n=952)	81.0	[77.4, 84.2]	19.0	[15.8, 22.6]	100.0
Pearson: Uncorrected chi2(1) =	7.4700				
Design-based F(1.00, 2238.00) =	3.7227	Pr =	0.054		
Forgone health care in 12 months prior to HMP					
Yes (n=573)	89.1	[85.3, 92.0]	10.9	[8.0, 14.7]	100.0
No (n=1,660)	81.6	[78.8, 84.1]	18.4	[15.9, 21.2]	100.0
Pearson: Uncorrected chi2(1) =	16.5762				
Design-based F(1.00, 2221.00) =	9.9016	Pr =	0.002		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,631)	85.1	[82.5, 87.4]	14.9	[12.6, 17.5]	100.0
No/Don't know (n=619)	79.5	[74.6, 83.6]	20.5	[16.4, 25.4]	100.0
Pearson: Uncorrected chi2(1) =	10.7701				
Design-based F(1.00, 2238.00) =	5.1862	Pr =	0.023		
Total (n=2,250)	83.4	[81.2, 85.5]	16.6	[14.5, 18.8]	100.0

Note: χ^2 test of independence.

5.2.2 Predictors of PCP visit in past 12 months

	PCP visit in past 12 months		
	aOR	95% CI	p-value
Employment status			
Not employed		Reference	
Full-time employment	0.62	[0.396, 0.983]	0.042
Part-time employment	0.85	[0.543, 1.315]	0.456
Caregiver			
No		Reference	
Yes	0.95	[0.640, 1.407]	0.795
Homeless in last 12 months			
No		Reference	
Yes	0.32	[0.170, 0.596]	0.000
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.69	[1.061, 2.697]	0.027
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.31	[0.924, 1.866]	0.129
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.60	[1.036, 2.457]	0.034
Some kinds of visits, tests, and medicines have no copays			
No/Don't know		Reference	
Yes	1.15	[0.804, 1.645]	0.442
Age			
19-35		Reference	
36-49	1.36	[0.908, 2.032]	0.136
50-64	2.95	[1.881, 4.613]	0.000
Gender			
Male		Reference	
Female	2.22	[1.584, 3.108]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.55	[0.913, 2.630]	0.104
Hispanic	0.66	[0.370, 1.171]	0.155
Other, non-Hispanic	1.30	[0.769, 2.209]	0.325
FPL category			
0-35%		Reference	
36-99%	1.00	[0.673, 1.487]	1.000
100%+	0.97	[0.632, 1.498]	0.901
Region			
UP/NW/NE		Reference	
W/E Central/E	1.31	[0.806, 2.136]	0.274
S Central/SW/SE	0.95	[0.569, 1.586]	0.845
Detroit Metro	0.64	[0.384, 1.070]	0.089
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.96	[1.361, 2.835]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.81	[0.976, 3.351]	0.060
Mental health condition	2.68	[1.744, 4.120]	0.000
Substance use disorder	1.55	[0.697, 3.435]	0.283
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.63	[1.094, 2.431]	0.016
Bachelor's/Post graduate degree	0.99	[0.618, 1.596]	0.978
Constant	1.08	[0.539, 2.156]	0.832
N	2,152		
F-value	6.416		
Model degrees of freedom	25.0		
Residual degrees of freedom	2,140.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.3 Any primary care visit (DW)

5.3.1 Any primary care visit (DW) by selected characteristics

| | Any primary care visit (DW) | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	78.6	[75.1, 81.8]	21.4	[18.2, 24.9]	100.0
36-49 (n=696)	81.2	[76.8, 84.9]	18.8	[15.1, 23.2]	100.0
50-64 (n=870)	89.8	[87.0, 92.0]	10.2	[8.0, 13.0]	100.0
Pearson: Uncorrected chi2(2) =	35.0216				
Design-based F(1.88, 4870.96) =	10.8484	Pr =	0.000		
Gender					
Male (n=1,055)	74.0	[70.3, 77.3]	26.0	[22.7, 29.7]	100.0
Female (n=1,547)	90.1	[88.0, 91.8]	9.9	[8.2, 12.0]	100.0
Pearson: Uncorrected chi2(1) =	113.7435				
Design-based F(1.00, 2590.00) =	70.8844	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	85.4	[83.0, 87.5]	14.6	[12.5, 17.0]	100.0
Black, non-Hispanic (n=422)	74.0	[67.8, 79.4]	26.0	[20.6, 32.2]	100.0
Hispanic (n=169)	76.3	[66.4, 84.0]	23.7	[16.0, 33.6]	100.0
Other, non-Hispanic (n=248)	83.5	[77.1, 88.4]	16.5	[11.6, 22.9]	100.0
Pearson: Uncorrected chi2(3) =	39.9951				
Design-based F(2.96, 7473.29) =	6.5459	Pr =	0.000		
FPL category					
0-35% (n=960)	79.5	[75.9, 82.7]	20.5	[17.3, 24.1]	100.0
36-99% (n=947)	85.1	[82.2, 87.6]	14.9	[12.4, 17.8]	100.0
100%+ (n=695)	84.3	[80.5, 87.4]	15.7	[12.6, 19.5]	100.0
Pearson: Uncorrected chi2(2) =	12.1277				
Design-based F(1.91, 4941.70) =	4.4080	Pr =	0.014		
Region					
UP/NW/NE (n=518)	83.5	[79.2, 87.1]	16.5	[12.9, 20.8]	100.0
W/E Central/E (n=770)	85.0	[81.8, 87.8]	15.0	[12.2, 18.2]	100.0
S Central/SW/SE (n=523)	83.4	[79.1, 86.9]	16.6	[13.1, 20.9]	100.0
Detroit Metro (n=791)	79.0	[74.8, 82.6]	21.0	[17.4, 25.2]	100.0
Pearson: Uncorrected chi2(3) =	12.5320				
Design-based F(2.64, 6841.06) =	2.9900	Pr =	0.036		
Chronic condition (2018 survey or DW)					
No (n=958)	72.8	[68.9, 76.5]	27.2	[23.5, 31.1]	100.0
Yes (n=1,644)	88.0	[85.4, 90.1]	12.0	[9.9, 14.6]	100.0
Pearson: Uncorrected chi2(1) =	96.4231				
Design-based F(1.00, 2590.00) =	47.6571	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	74.8	[71.3, 78.0]	25.2	[22.0, 28.7]	100.0
Mental health condition and substance use disorder (n=301)	84.8	[77.9, 89.8]	15.2	[10.2, 22.1]	100.0
Mental health condition (n=944)	92.6	[90.1, 94.5]	7.4	[5.5, 9.9]	100.0
Substance use disorder (n=100)	73.3	[61.3, 82.7]	26.7	[17.3, 38.7]	100.0
Pearson: Uncorrected chi2(3) =	118.1867				
Design-based F(2.92, 7562.25) =	21.4921	Pr =	0.000		
Total (n=2,602)	81.9	[79.7, 83.9]	18.1	[16.1, 20.3]	100.0

Note: χ^2 test of independence.

5.3.2 Any primary care visit (DW) by selected characteristics (continued)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,252)	79.1	[75.7, 82.1]	20.9	[17.9, 24.3]	100.0
Associate's degree/Some college (n=1,003)	84.9	[81.4, 87.8]	15.1	[12.2, 18.6]	100.0
Bachelor's/Post graduate degree (n=338)	82.9	[76.9, 87.5]	17.1	[12.5, 23.1]	100.0
Pearson: Uncorrected chi2(2) =	13.1140				
Design-based F(1.97, 5083.15) =	3.4752	Pr =	0.032		
Employment status					
Full-time employment (n=699)	74.0	[68.9, 78.5]	26.0	[21.5, 31.1]	100.0
Part-time employment (n=811)	85.2	[81.7, 88.1]	14.8	[11.9, 18.3]	100.0
Not employed (n=1,078)	84.8	[81.7, 87.5]	15.2	[12.5, 18.3]	100.0
Pearson: Uncorrected chi2(2) =	42.1104				
Design-based F(1.97, 5080.19) =	11.0623	Pr =	0.000		
Caregiver					
Yes (n=746)	80.5	[76.0, 84.4]	19.5	[15.6, 24.0]	100.0
No (n=1,845)	82.3	[79.8, 84.6]	17.7	[15.4, 20.2]	100.0
Pearson: Uncorrected chi2(1) =	1.1476				
Design-based F(1.00, 2579.00) =	0.5665	Pr =	0.452		
Homeless in last 12 months					
Yes (n=155)	73.9	[63.6, 82.2]	26.1	[17.8, 36.4]	100.0
No (n=2,444)	82.6	[80.3, 84.6]	17.4	[15.4, 19.7]	100.0
Pearson: Uncorrected chi2(1) =	9.6159				
Design-based F(1.00, 2587.00) =	3.9751	Pr =	0.046		
Need help reading written materials					
Sometimes/Often/Always (n=403)	86.4	[81.5, 90.1]	13.6	[9.9, 18.5]	100.0
Never/Rarely (n=2,193)	81.0	[78.6, 83.3]	19.0	[16.7, 21.4]	100.0
Pearson: Uncorrected chi2(1) =	6.8460				
Design-based F(1.00, 2584.00) =	3.9211	Pr =	0.048		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	85.6	[82.9, 88.0]	14.4	[12.0, 17.1]	100.0
Uninsured all 12 months/Don't know (n=1,140)	77.5	[73.9, 80.7]	22.5	[19.3, 26.1]	100.0
Pearson: Uncorrected chi2(1) =	28.8625				
Design-based F(1.00, 2590.00) =	14.4700	Pr =	0.000		
Forgone health care in 12 months prior to HMP					
Yes (n=659)	87.7	[84.1, 90.6]	12.3	[9.4, 15.9]	100.0
No (n=1,924)	79.9	[77.3, 82.4]	20.1	[17.6, 22.7]	100.0
Pearson: Uncorrected chi2(1) =	19.0761				
Design-based F(1.00, 2571.00) =	11.3564	Pr =	0.001		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	85.8	[83.3, 87.9]	14.2	[12.1, 16.7]	100.0
No/Don't know (n=785)	74.2	[69.7, 78.2]	25.8	[21.8, 30.3]	100.0
Pearson: Uncorrected chi2(1) =	52.3566				
Design-based F(1.00, 2590.00) =	25.7758	Pr =	0.000		
Total (n=2,602)	81.9	[79.7, 83.9]	18.1	[16.1, 20.3]	100.0

Note: χ^2 test of independence.

5.3.3 Predictors of any primary care visit (DW)

	Any primary care visit (DW)		
	aOR	95% CI	p-value
Employment status			
Not employed		Reference	
Full-time employment	0.64	[0.426, 0.960]	0.031
Part-time employment	1.01	[0.675, 1.511]	0.961
Caregiver			
No		Reference	
Yes	0.72	[0.514, 0.999]	0.050
Homeless in last 12 months			
No		Reference	
Yes	0.49	[0.273, 0.867]	0.015
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.45	[0.922, 2.271]	0.108
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.30	[0.943, 1.798]	0.109
Forgone health care in 12 months prior to HMP			
No		Reference	
Yes	1.53	[1.049, 2.231]	0.027
Some kinds of visits, tests, and medicines have no copays			
No/Don't know		Reference	
Yes	1.70	[1.246, 2.325]	0.001
Age			
19-35		Reference	
36-49	0.96	[0.659, 1.395]	0.827
50-64	1.33	[0.894, 1.976]	0.160
Gender			
Male		Reference	
Female	2.66	[1.937, 3.642]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.62	[0.419, 0.930]	0.021
Hispanic	0.51	[0.284, 0.905]	0.021
Other, non-Hispanic	0.95	[0.553, 1.634]	0.854
FPL category			
0-35%		Reference	
36-99%	1.36	[0.961, 1.934]	0.083
100%+	1.41	[0.940, 2.119]	0.097
Region			
UP/NW/NE		Reference	
W/E Central/E	1.31	[0.858, 1.995]	0.212
S Central/SW/SE	1.19	[0.751, 1.871]	0.466
Detroit Metro	1.28	[0.829, 1.990]	0.263
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	2.48	[1.785, 3.438]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	2.10	[1.223, 3.602]	0.007
Mental health condition	3.05	[2.048, 4.534]	0.000
Substance use disorder	1.46	[0.721, 2.955]	0.293
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.45	[1.022, 2.052]	0.037
Bachelor's/Post graduate degree	1.07	[0.686, 1.663]	0.771
Constant	0.68	[0.383, 1.207]	0.187
N	2,487		
F-value	7.241		
Model degrees of freedom	25.0		
Residual degrees of freedom	2,475.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.4 Preventive services used (DW)

5.4.1 Summary of preventive services used (DW)

	Weighted Proportion	95% CI
Any preventive service (DW)[a]		
Yes (n=2,094)	75.8	[73.5, 78.0]
No (n=508)	24.2	[22.0, 26.5]
Any preventive dental visit (DW)		
Yes (n=834)	30.0	[27.8, 32.3]
No (n=1,768)	70.0	[67.7, 72.2]
Any cervical cancer screening (DW)[b]		
Yes (n=624)	37.1	[34.3, 40.1]
No (n=923)	62.9	[59.9, 65.7]
Any breast cancer screening (DW)[c]		
Yes (n=293)	58.4	[52.9, 63.7]
No (n=190)	41.6	[36.3, 47.1]
Any colorectal cancer screening (DW)[d]		
Yes (n=252)	29.5	[25.8, 33.4]
No (n=561)	70.5	[66.6, 74.2]
Any STI test (excluding HPV) (DW)		
Yes (n=753)	30.8	[28.6, 33.1]
No (n=1,849)	69.2	[66.9, 71.4]
Any HPV test (DW)		
Yes (n=351)	10.2	[9.0, 11.5]
No (n=2,251)	89.8	[88.5, 91.0]
Any vaccine (non-flu) (DW)		
Yes (n=658)	23.4	[21.4, 25.5]
No (n=1,944)	76.6	[74.5, 78.6]
Any flu vaccine (DW)		
Yes (n=1,191)	41.9	[39.6, 44.3]
No (n=1,411)	58.1	[55.7, 60.4]
Any pneumonia vaccine (DW)		
Yes (n=162)	5.0	[4.1, 6.1]
No (n=2,440)	95.0	[93.9, 95.9]
Any statin (DW)		
Yes (n=414)	12.1	[10.8, 13.6]
No (n=2,188)	87.9	[86.4, 89.2]
Any NRT/Varenicline (DW)[e]		
Yes (n=187)	18.1	[15.2, 21.4]
No (n=668)	81.9	[78.6, 84.8]

[a] Any preventive service includes the following preventive services: any preventive dental visit (DW), any cervical cancer screening (DW), any breast cancer screening (DW), any colorectal cancer screening (DW), any STI test (excluding HPV) (DW), any HPV test (DW), any vaccine (non-flu) (DW), any flu vaccine (DW), any pneumonia vaccine (DW), any statin (DW), or any NRT/varenicline (DW); does not include any primary care visit (DW)

[b] Restricted to female enrollees

[c] Restricted to female enrollees over the age of 50

[d] Restricted to enrollees over the age of 50

[e] Restricted to enrollees who reported smoking or using tobacco in the last 30 days

5.4.2 Any statin (DW) prescription, among enrollees with diabetes and/or heart disease (2018 survey or DW)

Any statin (DW)	Weighted Proportion	95% CI
Yes (n=253)	37.0	[32.4, 41.8]
No (n=340)	63.0	[58.2, 67.6]

5.5 Any preventive service (DW)

5.5.1 Any preventive service (DW) by selected characteristics

| | Any preventive service (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	71.7	[68.0, 75.1]	28.3	[24.9, 32.0]	100.0
36-49 (n=696)	76.7	[72.4, 80.5]	23.3	[19.5, 27.6]	100.0
50-64 (n=870)	83.9	[80.5, 86.8]	16.1	[13.2, 19.5]	100.0
Pearson: Uncorrected chi2(2) =	34.1522				
Design-based F(1.95, 5044.62) =	10.9901	Pr =	0.000		
Gender					
Male (n=1,055)	67.1	[63.3, 70.6]	32.9	[29.4, 36.7]	100.0
Female (n=1,547)	84.8	[82.3, 87.1]	15.2	[12.9, 17.7]	100.0
Pearson: Uncorrected chi2(1) =	112.0245				
Design-based F(1.00, 2590.00) =	65.6519	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	77.7	[75.0, 80.2]	22.3	[19.8, 25.0]	100.0
Black, non-Hispanic (n=422)	72.5	[66.4, 77.8]	27.5	[22.2, 33.6]	100.0
Hispanic (n=169)	72.8	[63.5, 80.5]	27.2	[19.5, 36.5]	100.0
Other, non-Hispanic (n=248)	73.8	[66.2, 80.1]	26.2	[19.9, 33.8]	100.0
Pearson: Uncorrected chi2(3) =	7.7911				
Design-based F(2.96, 7476.67) =	1.3207	Pr =	0.266		
FPL category					
0-35% (n=960)	74.0	[70.3, 77.4]	26.0	[22.6, 29.7]	100.0
36-99% (n=947)	77.0	[73.6, 80.0]	23.0	[20.0, 26.4]	100.0
100%+ (n=695)	79.4	[75.5, 82.9]	20.6	[17.1, 24.5]	100.0
Pearson: Uncorrected chi2(2) =	6.5112				
Design-based F(1.91, 4949.11) =	2.4084	Pr =	0.093		
Region					
UP/NW/NE (n=518)	77.9	[73.1, 81.9]	22.1	[18.1, 26.9]	100.0
W/E Central/E (n=770)	78.2	[74.4, 81.5]	21.8	[18.5, 25.6]	100.0
S Central/SW/SE (n=523)	78.0	[73.3, 82.1]	22.0	[17.9, 26.7]	100.0
Detroit Metro (n=791)	73.0	[68.7, 76.8]	27.0	[23.2, 31.3]	100.0
Pearson: Uncorrected chi2(3) =	9.2076				
Design-based F(2.68, 6938.58) =	2.2216	Pr =	0.091		
Chronic condition (2018 survey or DW)					
No (n=958)	67.5	[63.5, 71.2]	32.5	[28.8, 36.5]	100.0
Yes (n=1,644)	81.4	[78.6, 83.9]	18.6	[16.1, 21.4]	100.0
Pearson: Uncorrected chi2(1) =	66.2601				
Design-based F(1.00, 2590.00) =	35.6040	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	70.3	[66.7, 73.6]	29.7	[26.4, 33.3]	100.0
Mental health condition and substance use disorder (n=301)	77.6	[70.4, 83.4]	22.4	[16.6, 29.6]	100.0
Mental health condition (n=944)	83.8	[80.3, 86.7]	16.2	[13.3, 19.7]	100.0
Substance use disorder (n=100)	74.3	[62.4, 83.5]	25.7	[16.5, 37.6]	100.0
Pearson: Uncorrected chi2(3) =	52.6537				
Design-based F(2.96, 7669.57) =	9.8528	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	74.5	[71.2, 77.6]	25.5	[22.4, 28.8]	100.0
Associate's degree/Some college (n=1,003)	76.7	[72.8, 80.2]	23.3	[19.8, 27.2]	100.0
Bachelor's/Post graduate degree (n=338)	79.1	[73.0, 84.1]	20.9	[15.9, 27.0]	100.0
Pearson: Uncorrected chi2(2) =	3.3335				
Design-based F(1.97, 5091.09) =	0.9629	Pr =	0.381		
Total (n=2,602)	75.8	[73.5, 78.0]	24.2	[22.0, 26.5]	100.0

Note: χ^2 test of independence. Any preventive service includes the following preventive services: any preventive dental visit (DW), any cervical cancer screening (DW), any breast cancer screening (DW), any colorectal cancer screening (DW), any STI test (excluding HPV) (DW), any HPV test (DW), any vaccine (non-flu) (DW), any flu vaccine (DW), any pneumonia vaccine (DW), any statin (DW), or any NRT/varenicline (DW); does not include any primary care visit (DW).

5.5.2 Any preventive service (DW) by selected characteristics (continued)

| | Any preventive service (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	75.1	[70.5, 79.2]	24.9	[20.8, 29.5]	100.0
No (n=1,845)	76.2	[73.5, 78.7]	23.8	[21.3, 26.5]	100.0
Pearson: Uncorrected chi2(1) =	0.3609				
Design-based F(1.00, 2579.00) =	0.1957	Pr =	0.658		
Homeless in last 12 months					
Yes (n=155)	72.5	[62.9, 80.4]	27.5	[19.6, 37.1]	100.0
No (n=2,444)	76.1	[73.8, 78.4]	23.9	[21.6, 26.2]	100.0
Pearson: Uncorrected chi2(1) =	1.4185				
Design-based F(1.00, 2587.00) =	0.6784	Pr =	0.410		
Need help reading written materials					
Sometimes/Often/Always (n=403)	76.6	[71.0, 81.5]	23.4	[18.5, 29.0]	100.0
Never/Rarely (n=2,193)	75.7	[73.2, 78.1]	24.3	[21.9, 26.8]	100.0
Pearson: Uncorrected chi2(1) =	0.1561				
Design-based F(1.00, 2584.00) =	0.0908	Pr =	0.763		
Health status					
Excellent/Very good/Good (n=1,948)	74.5	[71.7, 77.0]	25.5	[23.0, 28.3]	100.0
Fair/Poor (n=654)	80.0	[75.7, 83.7]	20.0	[16.3, 24.3]	100.0
Pearson: Uncorrected chi2(1) =	7.9848				
Design-based F(1.00, 2590.00) =	4.6475	Pr =	0.031		
May get reduction by completing HRA					
Yes (n=825)	73.4	[69.1, 77.3]	26.6	[22.7, 30.9]	100.0
No/Don't know (n=1,776)	76.9	[74.1, 79.4]	23.1	[20.6, 25.9]	100.0
Pearson: Uncorrected chi2(1) =	3.6536				
Design-based F(1.00, 2589.00) =	2.0339	Pr =	0.154		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	79.0	[76.4, 81.3]	21.0	[18.7, 23.6]	100.0
No/Don't know (n=785)	69.6	[64.9, 73.8]	30.4	[26.2, 35.1]	100.0
Pearson: Uncorrected chi2(1) =	28.0332				
Design-based F(1.00, 2590.00) =	14.5223	Pr =	0.000		
Discussed HRA with provider					
Yes (n=1,208)	85.1	[82.1, 87.6]	14.9	[12.4, 17.9]	100.0
No/Don't know (n=1,392)	68.7	[65.4, 71.9]	31.3	[28.1, 34.6]	100.0
Pearson: Uncorrected chi2(1) =	92.6716				
Design-based F(1.00, 2588.00) =	52.0794	Pr =	0.000		
Any HRA record (DW)					
Yes (n=1,235)	82.4	[79.3, 85.1]	17.6	[14.9, 20.7]	100.0
No (n=1,367)	70.4	[67.1, 73.6]	29.6	[26.4, 32.9]	100.0
Pearson: Uncorrected chi2(1) =	50.0617				
Design-based F(1.00, 2590.00) =	27.5636	Pr =	0.000		
PCP visit in past 12 months					
Yes (n=1,952)	84.7	[82.4, 86.8]	15.3	[13.2, 17.6]	100.0
No (n=298)	59.5	[52.2, 66.4]	40.5	[33.6, 47.8]	100.0
Pearson: Uncorrected chi2(1) =	126.3147				
Design-based F(1.00, 2238.00) =	63.9043	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	84.2	[82.0, 86.1]	15.8	[13.9, 18.0]	100.0
No (n=369)	38.1	[31.9, 44.7]	61.9	[55.3, 68.1]	100.0
Pearson: Uncorrected chi2(1) =	447.1684				
Design-based F(1.00, 2590.00) =	220.3725	Pr =	0.000		
Total (n=2,602)	75.8	[73.5, 78.0]	24.2	[22.0, 26.5]	100.0

Note: χ^2 test of independence. Any preventive service includes the following preventive services: any preventive dental visit (DW), any cervical cancer screening (DW), any breast cancer screening (DW), any colorectal cancer screening (DW), any STI test (excluding HPV) (DW), any HPV test (DW), any vaccine (non-flu) (DW), any flu vaccine (DW), any pneumonia vaccine (DW), any statin (DW), or any NRT/varenicline (DW); does not include any primary care visit (DW).

5.5.3 Predictors of any preventive service (DW)

	Any preventive service (DW)			Any preventive service (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	0.76	[0.542, 1.077]	0.125	0.89	[0.651, 1.208]	0.447
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.87	[0.474, 1.595]	0.652	0.93	[0.524, 1.656]	0.808
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.73	[0.484, 1.113]	0.145	0.91	[0.618, 1.327]	0.611
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.68	[0.451, 1.028]	0.067	0.90	[0.632, 1.281]	0.556
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.72	[0.507, 1.019]	0.063	0.81	[0.589, 1.102]	0.177
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.47	[1.046, 2.070]	0.027	1.27	[0.934, 1.738]	0.126
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.58	[1.144, 2.183]	0.005			
PCP visit in past 12 months						
No		Reference				
Yes	2.41	[1.636, 3.560]	0.000			
Age						
19-35		Reference			Reference	
36-49	1.06	[0.728, 1.554]	0.749	1.10	[0.772, 1.560]	0.605
50-64	1.20	[0.767, 1.874]	0.425	1.18	[0.794, 1.744]	0.417
Gender						
Male		Reference			Reference	
Female	2.52	[1.800, 3.517]	0.000	2.06	[1.538, 2.772]	0.000
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.16	[0.707, 1.887]	0.564	1.15	[0.749, 1.779]	0.514
Hispanic	1.34	[0.749, 2.416]	0.321	1.01	[0.615, 1.663]	0.965
Other, non-Hispanic	0.66	[0.397, 1.104]	0.114	0.95	[0.573, 1.572]	0.839
FPL category						
0-35%		Reference			Reference	
36-99%	1.03	[0.717, 1.491]	0.858	1.06	[0.767, 1.474]	0.713
100%+	1.36	[0.898, 2.073]	0.145	1.26	[0.875, 1.820]	0.213
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.14	[0.750, 1.718]	0.549	0.95	[0.654, 1.389]	0.803
S Central/SW/SE	1.15	[0.732, 1.813]	0.540	1.02	[0.677, 1.548]	0.910
Detroit Metro	1.12	[0.712, 1.772]	0.618	0.87	[0.573, 1.319]	0.509
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.72	[1.193, 2.485]	0.004	1.50	[1.078, 2.092]	0.016
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.48	[0.854, 2.554]	0.163	1.29	[0.777, 2.137]	0.326
Mental health condition	1.41	[0.981, 2.037]	0.063	1.24	[0.884, 1.727]	0.216
Substance use disorder	1.18	[0.595, 2.328]	0.639	1.39	[0.730, 2.644]	0.316
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.88	[0.628, 1.239]	0.469	0.90	[0.656, 1.228]	0.499
Bachelor's/Post graduate degree	1.30	[0.760, 2.208]	0.341	1.19	[0.734, 1.934]	0.479
Any HRA record (DW)						
No					Reference	
Yes				1.38	[1.025, 1.863]	0.034
Any primary care visit (DW)						
No					Reference	
Yes				5.59	[3.992, 7.835]	0.000
Constant	0.77	[0.366, 1.617]	0.489	0.39	[0.207, 0.734]	0.004
N	2,174			2,514		
F-value	5.123			7.739		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	2,162.0			2,502.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression. Any preventive service includes the following preventive services: any preventive dental visit (DW), any cervical cancer screening (DW), any breast cancer screening (DW), any colorectal cancer screening (DW), any STI test (excluding HPV) (DW), any HPV test (DW), any vaccine (non-flu) (DW), any flu vaccine (DW), any pneumonia vaccine (DW), any statin (DW), or any NRT/varenicline (DW); does not include any primary care visit (DW).

5.6 Any preventive dental visit (DW)

5.6.1 Any preventive dental visit (DW) by selected characteristics

	Any preventive dental visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	34.3	[30.8, 37.8]	65.7	[62.2, 69.2]	100.0
36-49 (n=696)	27.8	[23.9, 32.1]	72.2	[67.9, 76.1]	100.0
50-64 (n=870)	23.1	[20.0, 26.5]	76.9	[73.5, 80.0]	100.0
Pearson: Uncorrected chi2(2) =	26.7966				
Design-based F(1.92, 4985.09) =	10.0278	Pr =	0.000		
Gender					
Male (n=1,055)	25.2	[22.1, 28.6]	74.8	[71.4, 77.9]	100.0
Female (n=1,547)	35.0	[32.1, 38.0]	65.0	[62.0, 67.9]	100.0
Pearson: Uncorrected chi2(1) =	29.7339				
Design-based F(1.00, 2590.00) =	18.3620	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	30.8	[28.1, 33.6]	69.2	[66.4, 71.9]	100.0
Black, non-Hispanic (n=422)	26.8	[22.0, 32.3]	73.2	[67.7, 78.0]	100.0
Hispanic (n=169)	30.2	[22.8, 38.8]	69.8	[61.2, 77.2]	100.0
Other, non-Hispanic (n=248)	28.6	[22.3, 35.9]	71.4	[64.1, 77.7]	100.0
Pearson: Uncorrected chi2(3) =	3.2591				
Design-based F(2.96, 7468.34) =	0.6395	Pr =	0.587		
FPL category					
0-35% (n=960)	27.5	[24.2, 31.1]	72.5	[68.9, 75.8]	100.0
36-99% (n=947)	32.5	[29.2, 36.0]	67.5	[64.0, 70.8]	100.0
100%+ (n=695)	33.6	[29.8, 37.7]	66.4	[62.3, 70.2]	100.0
Pearson: Uncorrected chi2(2) =	9.2874				
Design-based F(1.88, 4871.05) =	3.8139	Pr =	0.024		
Region					
UP/NW/NE (n=518)	34.9	[30.4, 39.6]	65.1	[60.4, 69.6]	100.0
W/E Central/E (n=770)	33.0	[29.3, 36.9]	67.0	[63.1, 70.7]	100.0
S Central/SW/SE (n=523)	27.5	[23.3, 32.2]	72.5	[67.8, 76.7]	100.0
Detroit Metro (n=791)	28.2	[24.6, 32.2]	71.8	[67.8, 75.4]	100.0
Pearson: Uncorrected chi2(3) =	8.9293				
Design-based F(2.65, 6863.20) =	2.4205	Pr =	0.072		
Chronic condition (2018 survey or DW)					
No (n=958)	34.4	[30.6, 38.3]	65.6	[61.7, 69.4]	100.0
Yes (n=1,644)	27.1	[24.5, 29.8]	72.9	[70.2, 75.5]	100.0
Pearson: Uncorrected chi2(1) =	15.7872				
Design-based F(1.00, 2590.00) =	9.8141	Pr =	0.002		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	28.7	[25.6, 31.9]	71.3	[68.1, 74.4]	100.0
Mental health condition and substance use disorder (n=301)	21.2	[16.4, 27.1]	78.8	[72.9, 83.6]	100.0
Mental health condition (n=944)	36.6	[32.9, 40.6]	63.4	[59.4, 67.1]	100.0
Substance use disorder (n=100)	18.9	[10.7, 31.2]	81.1	[68.8, 89.3]	100.0
Pearson: Uncorrected chi2(3) =	37.1558				
Design-based F(2.98, 7712.24) =	7.7527	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	25.9	[22.9, 29.2]	74.1	[70.8, 77.1]	100.0
Associate's degree/Some college (n=1,003)	32.6	[29.1, 36.4]	67.4	[63.6, 70.9]	100.0
Bachelor's/Post graduate degree (n=338)	37.6	[31.8, 43.8]	62.4	[56.2, 68.2]	100.0
Pearson: Uncorrected chi2(2) =	21.7295				
Design-based F(1.98, 5099.22) =	7.3663	Pr =	0.001		
Total (n=2,602)	30.0	[27.8, 32.3]	70.0	[67.7, 72.2]	100.0

Note: χ^2 test of independence.

5.6.2 Any preventive dental visit (DW) by selected characteristics (continued)

| | Any preventive dental visit (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	29.3	[25.4, 33.5]	70.7	[66.5, 74.6]	100.0
No (n=1,845)	30.3	[27.7, 33.0]	69.7	[67.0, 72.3]	100.0
Pearson: Uncorrected chi2(1) =	0.2296				
Design-based F(1.00, 2579.00) =	0.1549	Pr =	0.694		
Homeless in last 12 months					
Yes (n=155)	21.4	[14.8, 29.8]	78.6	[70.2, 85.2]	100.0
No (n=2,444)	30.8	[28.5, 33.1]	69.2	[66.9, 71.5]	100.0
Pearson: Uncorrected chi2(1) =	8.0882				
Design-based F(1.00, 2587.00) =	4.5127	Pr =	0.034		
Need help reading written materials					
Sometimes/Often/Always (n=403)	31.1	[25.7, 37.1]	68.9	[62.9, 74.3]	100.0
Never/Rarely (n=2,193)	29.8	[27.4, 32.2]	70.2	[67.8, 72.6]	100.0
Pearson: Uncorrected chi2(1) =	0.2905				
Design-based F(1.00, 2584.00) =	0.1760	Pr =	0.675		
Health status					
Excellent/Very good/Good (n=1,948)	31.9	[29.3, 34.5]	68.1	[65.5, 70.7]	100.0
Fair/Poor (n=654)	24.3	[20.6, 28.3]	75.7	[71.7, 79.4]	100.0
Pearson: Uncorrected chi2(1) =	13.2099				
Design-based F(1.00, 2590.00) =	9.3050	Pr =	0.002		
May get reduction by completing HRA					
Yes (n=825)	29.1	[25.3, 33.1]	70.9	[66.9, 74.7]	100.0
No/Don't know (n=1,776)	30.4	[27.8, 33.1]	69.6	[66.9, 72.2]	100.0
Pearson: Uncorrected chi2(1) =	0.4750				
Design-based F(1.00, 2589.00) =	0.3086	Pr =	0.579		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	32.0	[29.4, 34.8]	68.0	[65.2, 70.6]	100.0
No/Don't know (n=785)	25.9	[22.2, 30.1]	74.1	[69.9, 77.8]	100.0
Pearson: Uncorrected chi2(1) =	10.3057				
Design-based F(1.00, 2590.00) =	5.9894	Pr =	0.014		
Discussed HRA with provider					
Yes (n=1,208)	32.5	[29.3, 35.9]	67.5	[64.1, 70.7]	100.0
No/Don't know (n=1,392)	28.0	[25.2, 31.1]	72.0	[68.9, 74.8]	100.0
Pearson: Uncorrected chi2(1) =	6.0224				
Design-based F(1.00, 2588.00) =	3.8784	Pr =	0.049		
Any HRA record (DW)					
Yes (n=1,235)	31.9	[28.7, 35.2]	68.1	[64.8, 71.3]	100.0
No (n=1,367)	28.5	[25.6, 31.5]	71.5	[68.5, 74.4]	100.0
Pearson: Uncorrected chi2(1) =	3.5621				
Design-based F(1.00, 2590.00) =	2.2743	Pr =	0.132		
PCP visit in past 12 months					
Yes (n=1,952)	32.6	[30.1, 35.2]	67.4	[64.8, 69.9]	100.0
No (n=298)	25.1	[19.0, 32.3]	74.9	[67.7, 81.0]	100.0
Pearson: Uncorrected chi2(1) =	8.1671				
Design-based F(1.00, 2238.00) =	3.7901	Pr =	0.052		
Any primary care visit (DW)					
Yes (n=2,233)	33.8	[31.3, 36.3]	66.2	[63.7, 68.7]	100.0
No (n=369)	13.0	[9.1, 18.1]	87.0	[81.9, 90.9]	100.0
Pearson: Uncorrected chi2(1) =	79.3948				
Design-based F(1.00, 2590.00) =	38.1095	Pr =	0.000		
Knowledge that routine dental care is covered					
Yes (n=2,031)	35.1	[32.5, 37.7]	64.9	[62.3, 67.5]	100.0
No/Don't know (n=570)	12.3	[8.9, 16.7]	87.7	[83.3, 91.1]	100.0
Pearson: Uncorrected chi2(1) =	111.3938				
Design-based F(1.00, 2589.00) =	54.2935	Pr =	0.000		
Total (n=2,602)	30.0	[27.8, 32.3]	70.0	[67.7, 72.2]	100.0

Note: χ^2 test of independence.

5.6.3 Any preventive dental visit (DW) by selected characteristics (continued)

	Yes		No		Total
	Row %	95% CI	Row %	95% CI	Row %
Employment status					
Full-time employment (n=699)	25.3	[21.6, 29.3]	74.7	[70.7, 78.4]	100.0
Part-time employment (n=811)	35.6	[31.6, 39.7]	64.4	[60.3, 68.4]	100.0
Not employed (n=1,078)	29.7	[26.3, 33.3]	70.3	[66.7, 73.7]	100.0
Pearson: Uncorrected chi2(2) =	18.4137				
Design-based F(1.99, 5131.16) =	6.0859	Pr =	0.002		
Forgone dental care in 12 months prior to HMP					
Yes (n=958)	29.2	[25.8, 32.8]	70.8	[67.2, 74.2]	100.0
No (n=1,628)	30.3	[27.5, 33.2]	69.7	[66.8, 72.5]	100.0
Pearson: Uncorrected chi2(1) =	0.3612				
Design-based F(1.00, 2574.00) =	0.2394	Pr =	0.625		
Knowledge that routine dental care is covered					
Yes (n=2,031)	35.1	[32.5, 37.7]	64.9	[62.3, 67.5]	100.0
No/Don't know (n=570)	12.3	[8.9, 16.7]	87.7	[83.3, 91.1]	100.0
Pearson: Uncorrected chi2(1) =	111.3938				
Design-based F(1.00, 2589.00) =	54.2935	Pr =	0.000		
Total (n=2,602)	30.0	[27.8, 32.3]	70.0	[67.7, 72.2]	100.0

Note: χ^2 test of independence.

5.6.4 Predictors of any preventive dental visit (DW)

	Any preventive dental visit (DW)			Any preventive dental visit (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Knowledge that routine dental care is covered						
No/Don't know		Reference			Reference	
Yes	4.86	[3.169, 7.468]	0.000	3.86	[2.563, 5.801]	0.000
Caregiver						
No		Reference			Reference	
Yes	0.85	[0.659, 1.105]	0.230	0.93	[0.721, 1.192]	0.553
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.73	[0.433, 1.232]	0.238	0.76	[0.469, 1.245]	0.280
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.15	[0.818, 1.626]	0.417	1.25	[0.893, 1.757]	0.191
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	1.08	[0.804, 1.445]	0.614	1.17	[0.890, 1.536]	0.262
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.84	[0.629, 1.117]	0.228	0.86	[0.658, 1.122]	0.264
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.18	[0.880, 1.595]	0.265	1.09	[0.830, 1.422]	0.548
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.03	[0.802, 1.324]	0.814			
PCP visit in past 12 months						
No		Reference				
Yes	1.46	[0.964, 2.197]	0.074			
Age						
19-35		Reference			Reference	
36-49	0.84	[0.618, 1.131]	0.244	0.79	[0.599, 1.051]	0.107
50-64	0.59	[0.432, 0.793]	0.001	0.56	[0.416, 0.740]	0.000
Gender						
Male		Reference			Reference	
Female	1.31	[1.012, 1.697]	0.040	1.26	[0.983, 1.612]	0.068
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.03	[0.713, 1.480]	0.887	1.02	[0.718, 1.441]	0.924
Hispanic	0.99	[0.625, 1.560]	0.958	0.93	[0.609, 1.432]	0.754
Other, non-Hispanic	0.69	[0.450, 1.058]	0.089	0.94	[0.620, 1.420]	0.763
FPL category						
0-35%		Reference			Reference	
36-99%	1.10	[0.823, 1.464]	0.525	1.02	[0.782, 1.341]	0.861
100%+	1.15	[0.844, 1.560]	0.380	1.01	[0.757, 1.344]	0.955
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.96	[0.705, 1.305]	0.792	0.85	[0.636, 1.131]	0.262
S Central/SW/SE	0.69	[0.489, 0.978]	0.037	0.63	[0.454, 0.886]	0.008
Detroit Metro	0.75	[0.526, 1.078]	0.122	0.65	[0.463, 0.914]	0.013
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.74	[0.558, 0.972]	0.031	0.72	[0.551, 0.932]	0.013
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.88	[0.583, 1.325]	0.537	0.77	[0.520, 1.136]	0.186
Mental health condition	1.28	[0.981, 1.680]	0.069	1.19	[0.924, 1.538]	0.177
Substance use disorder	0.75	[0.355, 1.597]	0.460	0.82	[0.404, 1.660]	0.580
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.18	[0.902, 1.536]	0.230	1.19	[0.919, 1.543]	0.187
Bachelor's/Post graduate degree	1.93	[1.339, 2.792]	0.000	1.73	[1.219, 2.449]	0.002
Any HRA record (DW)						
No					Reference	
Yes				1.13	[0.889, 1.425]	0.326
Any primary care visit (DW)						
No					Reference	
Yes				2.93	[1.906, 4.517]	0.000
Constant	0.09	[0.039, 0.220]	0.000	0.07	[0.031, 0.150]	0.000
N	2,174			2,513		
F-value	4.747			5.406		
Model degrees of freedom	26.0			26.0		
Residual degrees of freedom	2,162.0			2,501.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.6.5 Predictors of any preventive dental visit (DW) (additional models)

	Any preventive dental visit (DW)		
	aOR	95% CI	p-value
Employment status			
Not employed		Reference	
Full-time employment	0.68	[0.487, 0.940]	0.020
Part-time employment	1.07	[0.798, 1.423]	0.665
Caregiver			
No		Reference	
Yes	0.91	[0.708, 1.165]	0.447
Homeless in last 12 months			
No		Reference	
Yes	0.68	[0.419, 1.103]	0.118
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.31	[0.941, 1.831]	0.110
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.19	[0.936, 1.525]	0.153
Forgone dental care in 12 months prior to HMP			
No		Reference	
Yes	1.03	[0.814, 1.308]	0.796
Knowledge that routine dental care is covered			
No/Don't know		Reference	
Yes	4.13	[2.736, 6.248]	0.000
Age			
19-35		Reference	
36-49	0.80	[0.609, 1.065]	0.128
50-64	0.56	[0.421, 0.756]	0.000
Gender			
Male		Reference	
Female	1.35	[1.056, 1.717]	0.017
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.96	[0.679, 1.352]	0.808
Hispanic	0.88	[0.576, 1.335]	0.541
Other, non-Hispanic	0.95	[0.633, 1.435]	0.817
FPL category			
0-35%		Reference	
36-99%	1.08	[0.817, 1.430]	0.588
100%+	1.11	[0.823, 1.499]	0.491
Region			
UP/NW/NE		Reference	
W/E Central/E	0.88	[0.664, 1.180]	0.404
S Central/SW/SE	0.67	[0.483, 0.932]	0.017
Detroit Metro	0.70	[0.498, 0.977]	0.036
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.77	[0.592, 1.008]	0.057
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.80	[0.544, 1.184]	0.268
Mental health condition	1.31	[1.017, 1.696]	0.037
Substance use disorder	0.88	[0.431, 1.805]	0.732
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.23	[0.943, 1.599]	0.128
Bachelor's/Post graduate degree	1.73	[1.222, 2.447]	0.002
Constant	0.16	[0.082, 0.297]	0.000
N	2,492		
F-value	5.159		
Model degrees of freedom	25.0		
Residual degrees of freedom	2,480.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.7 Any cervical cancer screening (DW)

5.7.1 Any cervical cancer screening (DW) by selected characteristics, among female enrollees

| | Any cervical cancer screening (DW) | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=614)	32.7	[28.5, 37.2]	67.3	[62.8, 71.5]	100.0
36-49 (n=410)	48.0	[42.3, 53.7]	52.0	[46.3, 57.7]	100.0
50-64 (n=523)	35.3	[30.6, 40.4]	64.7	[59.6, 69.4]	100.0
Pearson: Uncorrected chi2(2) =	44.0658				
Design-based F(1.97, 5105.35) =	9.9639	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,015)	38.3	[34.8, 42.0]	61.7	[58.0, 65.2]	100.0
Black, non-Hispanic (n=258)	35.7	[29.1, 42.9]	64.3	[57.1, 70.9]	100.0
Hispanic (n=98)	46.4	[35.5, 57.7]	53.6	[42.3, 64.5]	100.0
Other, non-Hispanic (n=137)	28.9	[20.9, 38.4]	71.1	[61.6, 79.1]	100.0
Pearson: Uncorrected chi2(3) =	17.0353				
Design-based F(2.96, 7562.86) =	2.0732	Pr =	0.102		
FPL category					
0-35% (n=457)	30.9	[26.1, 36.1]	69.1	[63.9, 73.9]	100.0
36-99% (n=623)	40.4	[36.2, 44.8]	59.6	[55.2, 63.8]	100.0
100%+ (n=467)	44.7	[39.7, 49.8]	55.3	[50.2, 60.3]	100.0
Pearson: Uncorrected chi2(2) =	37.9159				
Design-based F(1.87, 4837.36) =	8.5951	Pr =	0.000		
Region					
UP/NW/NE (n=291)	41.9	[35.9, 48.2]	58.1	[51.8, 64.1]	100.0
W/E Central/E (n=467)	38.3	[33.6, 43.3]	61.7	[56.7, 66.4]	100.0
S Central/SW/SE (n=304)	35.4	[29.7, 41.6]	64.6	[58.4, 70.3]	100.0
Detroit Metro (n=485)	36.1	[31.3, 41.3]	63.9	[58.7, 68.7]	100.0
Pearson: Uncorrected chi2(3) =	3.7722				
Design-based F(2.66, 6897.03) =	0.6656	Pr =	0.556		
Chronic condition (2018 survey or DW)					
No (n=583)	34.3	[29.9, 38.9]	65.7	[61.1, 70.1]	100.0
Yes (n=964)	39.1	[35.3, 42.9]	60.9	[57.1, 64.7]	100.0
Pearson: Uncorrected chi2(1) =	6.1507				
Design-based F(1.00, 2590.00) =	2.5131	Pr =	0.113		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=712)	34.0	[30.0, 38.3]	66.0	[61.7, 70.0]	100.0
Mental health condition and substance use disorder (n=128)	35.9	[27.0, 45.9]	64.1	[54.1, 73.0]	100.0
Mental health condition (n=676)	40.2	[35.8, 44.8]	59.8	[55.2, 64.2]	100.0
Substance use disorder (n=31)	50.9	[31.3, 70.3]	49.1	[29.7, 68.7]	100.0
Pearson: Uncorrected chi2(3) =	13.9831				
Design-based F(2.99, 7742.70) =	2.0463	Pr =	0.105		
Highest level of education					
High school or less (n=695)	35.1	[31.0, 39.5]	64.9	[60.5, 69.0]	100.0
Associate's degree/Some college (n=644)	36.7	[32.3, 41.3]	63.3	[58.7, 67.7]	100.0
Bachelor's/Post graduate degree (n=203)	45.3	[37.3, 53.5]	54.7	[46.5, 62.7]	100.0
Pearson: Uncorrected chi2(2) =	11.6601				
Design-based F(2.00, 5166.29) =	2.4030	Pr =	0.091		
Total (n=1,547)	37.1	[34.3, 40.1]	62.9	[59.9, 65.7]	100.0

Note: χ^2 test of independence.

5.7.2 Any cervical cancer screening (DW) by selected characteristics, among female enrollees (continued)

	Any cervical cancer screening (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=481)	35.7	[30.6, 41.1]	64.3	[58.9, 69.4]	100.0
No (n=1,061)	37.7	[34.2, 41.2]	62.3	[58.8, 65.8]	100.0
Pearson: Uncorrected chi2(1) =	0.8724				
Design-based F(1.00, 2585.00) =	0.3660	Pr =	0.545		
Homeless in last 12 months					
Yes (n=62)	33.5	[21.2, 48.6]	66.5	[51.4, 78.8]	100.0
No (n=1,483)	37.4	[34.5, 40.4]	62.6	[59.6, 65.5]	100.0
Pearson: Uncorrected chi2(1) =	0.8867				
Design-based F(1.00, 2588.00) =	0.2693	Pr =	0.604		
Need help reading written materials					
Sometimes/Often/Always (n=207)	37.0	[29.5, 45.2]	63.0	[54.8, 70.5]	100.0
Never/Rarely (n=1,338)	37.2	[34.1, 40.4]	62.8	[59.6, 65.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0050				
Design-based F(1.00, 2588.00) =	0.0020	Pr =	0.965		
Health status					
Excellent/Very good/Good (n=1,184)	37.5	[34.2, 40.9]	62.5	[59.1, 65.8]	100.0
Fair/Poor (n=363)	35.8	[30.2, 41.7]	64.2	[58.3, 69.8]	100.0
Pearson: Uncorrected chi2(1) =	0.6133				
Design-based F(1.00, 2590.00) =	0.2661	Pr =	0.606		
May get reduction by completing HRA					
Yes (n=451)	36.7	[31.4, 42.2]	63.3	[57.8, 68.6]	100.0
No/Don't know (n=1,096)	37.3	[33.9, 40.8]	62.7	[59.2, 66.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0766				
Design-based F(1.00, 2590.00) =	0.0329	Pr =	0.856		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,110)	39.5	[36.1, 43.1]	60.5	[56.9, 63.9]	100.0
No/Don't know (n=437)	31.3	[26.4, 36.6]	68.7	[63.4, 73.6]	100.0
Pearson: Uncorrected chi2(1) =	15.6694				
Design-based F(1.00, 2590.00) =	6.4560	Pr =	0.011		
Discussed HRA with provider					
Yes (n=744)	41.5	[37.3, 45.8]	58.5	[54.2, 62.7]	100.0
No/Don't know (n=802)	33.5	[29.7, 37.6]	66.5	[62.4, 70.3]	100.0
Pearson: Uncorrected chi2(1) =	17.4980				
Design-based F(1.00, 2589.00) =	7.1945	Pr =	0.007		
Any HRA record (DW)					
Yes (n=743)	39.2	[35.1, 43.5]	60.8	[56.5, 64.9]	100.0
No (n=804)	35.3	[31.5, 39.4]	64.7	[60.6, 68.5]	100.0
Pearson: Uncorrected chi2(1) =	4.1996				
Design-based F(1.00, 2590.00) =	1.7145	Pr =	0.191		
PCP visit in past 12 months					
Yes (n=1,251)	40.6	[37.4, 44.0]	59.4	[56.0, 62.6]	100.0
No (n=131)	23.2	[15.8, 32.8]	76.8	[67.2, 84.2]	100.0
Pearson: Uncorrected chi2(1) =	29.6900				
Design-based F(1.00, 2425.00) =	10.8590	Pr =	0.001		
Any primary care visit (DW)					
Yes (n=1,407)	40.2	[37.1, 43.4]	59.8	[56.6, 62.9]	100.0
No (n=140)	9.1	[5.1, 15.7]	90.9	[84.3, 94.9]	100.0
Pearson: Uncorrected chi2(1) =	96.3392				
Design-based F(1.00, 2590.00) =	44.7649	Pr =	0.000		
Total (n=1,547)	37.1	[34.3, 40.1]	62.9	[59.9, 65.7]	100.0

Note: χ^2 test of independence.

5.7.3 Predictors of any cervical cancer screening (DW), among female enrollees

	Any cervical cancer screening (DW)			Any cervical cancer screening (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	0.91	[0.669, 1.232]	0.535	0.85	[0.637, 1.142]	0.285
Homeless in last 12 months						
No		Reference			Reference	
Yes	1.15	[0.564, 2.339]	0.703	1.03	[0.521, 2.034]	0.933
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.03	[0.704, 1.519]	0.864	1.17	[0.798, 1.725]	0.416
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	1.10	[0.777, 1.550]	0.599	1.08	[0.780, 1.497]	0.641
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.83	[0.607, 1.143]	0.258	0.85	[0.625, 1.145]	0.279
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.42	[1.041, 1.951]	0.027	1.33	[0.982, 1.791]	0.066
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.09	[0.823, 1.447]	0.544			
PCP visit in past 12 months						
No		Reference				
Yes	2.13	[1.272, 3.550]	0.004			
Female		Reference			Reference	
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.13	[0.758, 1.696]	0.540	1.09	[0.741, 1.603]	0.664
Hispanic	1.57	[0.913, 2.713]	0.103	1.76	[1.047, 2.941]	0.033
Other, non-Hispanic	0.64	[0.384, 1.080]	0.095	0.68	[0.413, 1.110]	0.122
FPL category						
0-35%		Reference			Reference	
36-99%	1.75	[1.261, 2.435]	0.001	1.69	[1.236, 2.317]	0.001
100%+	1.92	[1.356, 2.726]	0.000	1.85	[1.326, 2.585]	0.000
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.89	[0.618, 1.291]	0.548	0.83	[0.579, 1.190]	0.310
S Central/SW/SE	0.73	[0.483, 1.117]	0.150	0.73	[0.490, 1.097]	0.131
Detroit Metro	1.00	[0.666, 1.507]	0.993	0.90	[0.604, 1.329]	0.585
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.10	[0.818, 1.486]	0.521	1.19	[0.894, 1.587]	0.231
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.08	[0.636, 1.820]	0.786	1.06	[0.629, 1.774]	0.835
Mental health condition	1.23	[0.909, 1.676]	0.176	1.17	[0.874, 1.562]	0.293
Substance use disorder	2.10	[0.805, 5.497]	0.129	2.16	[0.831, 5.629]	0.114
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.13	[0.835, 1.522]	0.434	1.11	[0.829, 1.474]	0.494
Bachelor's/Post graduate degree	1.64	[1.075, 2.490]	0.022	1.67	[1.098, 2.546]	0.017
Any HRA record (DW)						
No					Reference	
Yes				1.08	[0.826, 1.417]	0.567
Any primary care visit (DW)						
No					Reference	
Yes				6.62	[3.379, 12.955]	0.000
Constant	0.14	[0.065, 0.282]	0.000	0.05	[0.022, 0.114]	0.000
N	1,339			1,500		
F-value	2.498			3.559		
Model degrees of freedom	22.0			22.0		
Residual degrees of freedom	1,327.0			1,488.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.8 Any breast cancer screening (DW)

5.8.1 Any breast cancer screening (DW) by selected characteristics, among female enrollees over the age of 50

| | Any breast cancer screening (DW) | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Race/ethnicity					
White, non-Hispanic (n=350)	61.0	[54.7, 66.8]	39.0	[33.2, 45.3]	100.0
Black, non-Hispanic (n=76)	46.9	[34.3, 59.9]	53.1	[40.1, 65.7]	100.0
Hispanic (n=24)	67.8	[44.2, 84.8]	32.2	[15.2, 55.8]	100.0
Other, non-Hispanic (n=21)	54.7	[29.7, 77.5]	45.3	[22.5, 70.3]	100.0
Pearson: Uncorrected chi2(3) =	41.5668				
Design-based F(2.96, 7641.58) =	1.4270	Pr =	0.233		
FPL category					
0-35% (n=211)	57.0	[49.1, 64.5]	43.0	[35.5, 50.9]	100.0
36-99% (n=150)	62.2	[53.6, 70.1]	37.8	[29.9, 46.4]	100.0
100%+ (n=122)	58.9	[49.2, 67.9]	41.1	[32.1, 50.8]	100.0
Pearson: Uncorrected chi2(2) =	4.6900				
Design-based F(1.91, 4936.20) =	0.4463	Pr =	0.630		
Region					
UP/NW/NE (n=115)	61.5	[51.7, 70.5]	38.5	[29.5, 48.3]	100.0
W/E Central/E (n=163)	56.5	[48.0, 64.6]	43.5	[35.4, 52.0]	100.0
S Central/SW/SE (n=91)	60.1	[48.4, 70.7]	39.9	[29.3, 51.6]	100.0
Detroit Metro (n=114)	58.1	[47.1, 68.4]	41.9	[31.6, 52.9]	100.0
Pearson: Uncorrected chi2(3) =	3.0515				
Design-based F(2.62, 6774.58) =	0.1526	Pr =	0.907		
Chronic condition (2018 survey or DW)					
No (n=80)	49.3	[36.2, 62.4]	50.7	[37.6, 63.8]	100.0
Yes (n=403)	59.9	[53.9, 65.6]	40.1	[34.4, 46.1]	100.0
Pearson: Uncorrected chi2(1) =	15.1288				
Design-based F(1.00, 2590.00) =	2.0779	Pr =	0.150		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=217)	53.0	[44.9, 61.0]	47.0	[39.0, 55.1]	100.0
Mental health condition and substance use disorder (n=46)	45.4	[29.6, 62.2]	54.6	[37.8, 70.4]	100.0
Mental health condition (n=209)	68.4	[60.2, 75.5]	31.6	[24.5, 39.8]	100.0
Substance use disorder (n=11)	25.3	[8.5, 55.3]	74.7	[44.7, 91.5]	100.0
Pearson: Uncorrected chi2(3) =	103.2467				
Design-based F(2.84, 7355.10) =	5.0321	Pr =	0.002		
Highest level of education					
High school or less (n=252)	58.0	[50.4, 65.3]	42.0	[34.7, 49.6]	100.0
Associate's degree/Some college (n=162)	59.2	[49.7, 68.1]	40.8	[31.9, 50.3]	100.0
Bachelor's/Post graduate degree (n=69)	57.5	[43.0, 70.7]	42.5	[29.3, 57.0]	100.0
Pearson: Uncorrected chi2(2) =	0.4641				
Design-based F(2.00, 5177.46) =	0.0283	Pr =	0.972		
Total (n=483)	58.4	[52.9, 63.7]	41.6	[36.3, 47.1]	100.0

Note: χ^2 test of independence.

5.8.2 Any breast cancer screening (DW) by selected characteristics, among female enrollees over the age of 50 (continued)

	Yes Row %	Yes 95% CI	No Row %	No 95% CI	Total Row %
Caregiver					
Yes (n=174)	59.7	[50.5, 68.2]	40.3	[31.8, 49.5]	100.0
No (n=307)	57.4	[50.5, 64.0]	42.6	[36.0, 49.5]	100.0
Pearson: Uncorrected chi2(1) =	1.2349				
Design-based F(1.00, 2588.00) =	0.1622	Pr =	0.687		
Homeless in last 12 months					
Yes (n=14)	30.7	[11.5, 60.1]	69.3	[39.9, 88.5]	100.0
No (n=468)	59.9	[54.4, 65.1]	40.1	[34.9, 45.6]	100.0
Pearson: Uncorrected chi2(1) =	46.3991				
Design-based F(1.00, 2589.00) =	4.0584	Pr =	0.044		
Need help reading written materials					
Sometimes/Often/Always (n=73)	52.6	[39.3, 65.6]	47.4	[34.4, 60.7]	100.0
Never/Rarely (n=409)	59.7	[53.7, 65.4]	40.3	[34.6, 46.3]	100.0
Pearson: Uncorrected chi2(1) =	7.3333				
Design-based F(1.00, 2589.00) =	0.9152	Pr =	0.339		
Health status					
Excellent/Very good/Good (n=332)	56.5	[49.9, 62.9]	43.5	[37.1, 50.1]	100.0
Fair/Poor (n=151)	61.7	[51.8, 70.6]	38.3	[29.4, 48.2]	100.0
Pearson: Uncorrected chi2(1) =	6.4694				
Design-based F(1.00, 2590.00) =	0.7464	Pr =	0.388		
May get reduction by completing HRA					
Yes (n=154)	55.6	[45.8, 65.0]	44.4	[35.0, 54.2]	100.0
No/Don't know (n=329)	59.4	[52.8, 65.7]	40.6	[34.3, 47.2]	100.0
Pearson: Uncorrected chi2(1) =	3.1749				
Design-based F(1.00, 2590.00) =	0.4220	Pr =	0.516		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=356)	57.0	[50.5, 63.2]	43.0	[36.8, 49.5]	100.0
No/Don't know (n=127)	62.4	[52.0, 71.8]	37.6	[28.2, 48.0]	100.0
Pearson: Uncorrected chi2(1) =	6.0947				
Design-based F(1.00, 2590.00) =	0.7965	Pr =	0.372		
Discussed HRA with provider					
Yes (n=286)	63.4	[56.2, 70.0]	36.6	[30.0, 43.8]	100.0
No/Don't know (n=197)	51.3	[42.8, 59.7]	48.7	[40.3, 57.2]	100.0
Pearson: Uncorrected chi2(1) =	37.9245				
Design-based F(1.00, 2590.00) =	4.6426	Pr =	0.031		
Any HRA record (DW)					
Yes (n=297)	65.1	[58.2, 71.4]	34.9	[28.6, 41.8]	100.0
No (n=186)	46.0	[37.7, 54.7]	54.0	[45.3, 62.3]	100.0
Pearson: Uncorrected chi2(1) =	88.4254				
Design-based F(1.00, 2590.00) =	11.5963	Pr =	0.001		
PCP visit in past 12 months					
Yes (n=437)	62.1	[56.3, 67.6]	37.9	[32.4, 43.7]	100.0
No (n=19)	11.0	[1.6, 48.3]	89.0	[51.7, 98.4]	100.0
Pearson: Uncorrected chi2(1) =	98.5472				
Design-based F(1.00, 2563.00) =	10.1116	Pr =	0.001		
Any primary care visit (DW)					
Yes (n=445)	62.3	[56.6, 67.7]	37.7	[32.3, 43.4]	100.0
No (n=38)	16.9	[6.7, 36.4]	83.1	[63.6, 93.3]	100.0
Pearson: Uncorrected chi2(1) =	175.5667				
Design-based F(1.00, 2590.00) =	19.8724	Pr =	0.000		
Total (n=483)	58.4	[52.9, 63.7]	41.6	[36.3, 47.1]	100.0

Note: χ^2 test of independence.

5.8.3 Predictors of any breast cancer screening (DW), among female enrollees over the age of 50

	Any breast cancer screening (DW)			Any breast cancer screening (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	1.25	[0.730, 2.140]	0.415	1.21	[0.728, 2.009]	0.463
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.25	[0.063, 1.005]	0.051	0.25	[0.063, 0.992]	0.049
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.54	[0.278, 1.047]	0.068	0.68	[0.356, 1.317]	0.256
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.85	[0.478, 1.502]	0.570	0.81	[0.463, 1.427]	0.470
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.99	[0.580, 1.691]	0.972	0.94	[0.543, 1.622]	0.819
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	0.63	[0.368, 1.078]	0.092	0.65	[0.372, 1.121]	0.120
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.39	[0.842, 2.289]	0.198			
PCP visit in past 12 months						
No		Reference				
Yes	13.08	[1.560, 109.681]	0.018			
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.58	[0.269, 1.241]	0.159	0.61	[0.287, 1.278]	0.188
Hispanic	2.77	[0.878, 8.738]	0.082	2.29	[0.860, 6.125]	0.097
Other, non-Hispanic	1.20	[0.344, 4.156]	0.778	1.32	[0.407, 4.275]	0.644
FPL category						
0-35%		Reference			Reference	
36-99%	1.15	[0.665, 1.993]	0.615	1.08	[0.626, 1.867]	0.780
100%+	1.16	[0.646, 2.089]	0.615	0.89	[0.499, 1.588]	0.693
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.00	[0.535, 1.852]	0.989	0.73	[0.387, 1.365]	0.320
S Central/SW/SE	0.91	[0.453, 1.827]	0.789	0.73	[0.354, 1.521]	0.404
Detroit Metro	1.24	[0.606, 2.542]	0.555	0.96	[0.471, 1.969]	0.918
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.45	[0.700, 2.988]	0.319	1.51	[0.740, 3.070]	0.258
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.38	[0.570, 3.318]	0.477	0.99	[0.434, 2.242]	0.974
Mental health condition	1.66	[0.963, 2.845]	0.068	1.65	[0.976, 2.786]	0.061
Substance use disorder	0.38	[0.087, 1.630]	0.191	0.66	[0.158, 2.762]	0.570
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.02	[0.593, 1.746]	0.949	0.80	[0.474, 1.351]	0.404
Bachelor's/Post graduate degree	0.98	[0.468, 2.065]	0.964	0.92	[0.433, 1.950]	0.825
Any HRA record (DW)						
No					Reference	
Yes				2.16	[1.330, 3.520]	0.002
Any primary care visit (DW)						
No					Reference	
Yes				11.43	[3.317, 39.406]	0.000
Constant	0.10	[0.011, 0.887]	0.039	0.12	[0.027, 0.564]	0.007
N	440			467		
F-value	1.497			2.395		
Model degrees of freedom	22.0			22.0		
Residual degrees of freedom	428.0			455.0		
F-value significance	0.070			0.000		

Notes: Multiple logistic regression.

5.9 Any colorectal cancer screening (DW)

5.9.1 Any colorectal cancer screening (DW) by selected characteristics, among enrollees over the age of 50

| | Any colorectal cancer screening (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Gender					
Male (n=330)	27.3	[22.0, 33.4]	72.7	[66.6, 78.0]	100.0
Female (n=483)	31.4	[26.5, 36.8]	68.6	[63.2, 73.5]	100.0
Pearson: Uncorrected chi2(1) =	5.2442				
Design-based F(1.00, 2590.00) =	1.0860	Pr =	0.297		
Race/ethnicity					
White, non-Hispanic (n=604)	31.8	[27.4, 36.6]	68.2	[63.4, 72.6]	100.0
Black, non-Hispanic (n=111)	20.0	[13.6, 28.5]	80.0	[71.5, 86.4]	100.0
Hispanic (n=34)	30.2	[15.7, 50.2]	69.8	[49.8, 84.3]	100.0
Other, non-Hispanic (n=48)	23.9	[12.5, 40.9]	76.1	[59.1, 87.5]	100.0
Pearson: Uncorrected chi2(3) =	28.5931				
Design-based F(2.94, 7563.58) =	1.7957	Pr =	0.147		
FPL category					
0-35% (n=402)	27.9	[23.0, 33.3]	72.1	[66.7, 77.0]	100.0
36-99% (n=235)	33.2	[27.3, 39.8]	66.8	[60.2, 72.7]	100.0
100%+ (n=176)	32.3	[25.2, 40.4]	67.7	[59.6, 74.8]	100.0
Pearson: Uncorrected chi2(2) =	6.8184				
Design-based F(1.92, 4963.39) =	1.1463	Pr =	0.316		
Region					
UP/NW/NE (n=211)	28.5	[22.5, 35.3]	71.5	[64.7, 77.5]	100.0
W/E Central/E (n=250)	25.5	[20.3, 31.6]	74.5	[68.4, 79.7]	100.0
S Central/SW/SE (n=150)	35.9	[27.7, 45.1]	64.1	[54.9, 72.3]	100.0
Detroit Metro (n=202)	29.6	[22.7, 37.4]	70.4	[62.6, 77.3]	100.0
Pearson: Uncorrected chi2(3) =	15.7293				
Design-based F(2.62, 6775.25) =	1.3629	Pr =	0.254		
Chronic condition (2018 survey or DW)					
No (n=123)	23.3	[14.7, 34.8]	76.7	[65.2, 85.3]	100.0
Yes (n=690)	30.4	[26.5, 34.7]	69.6	[65.3, 73.5]	100.0
Pearson: Uncorrected chi2(1) =	7.5063				
Design-based F(1.00, 2590.00) =	1.4446	Pr =	0.230		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=379)	24.9	[20.0, 30.5]	75.1	[69.5, 80.0]	100.0
Mental health condition and substance use disorder (n=101)	25.5	[16.9, 36.5]	74.5	[63.5, 83.1]	100.0
Mental health condition (n=292)	35.6	[29.0, 42.8]	64.4	[57.2, 71.0]	100.0
Substance use disorder (n=41)	37.6	[22.7, 55.2]	62.4	[44.8, 77.3]	100.0
Pearson: Uncorrected chi2(3) =	35.7799				
Design-based F(3.00, 7760.17) =	2.5378	Pr =	0.055		
Highest level of education					
High school or less (n=436)	30.2	[25.2, 35.6]	69.8	[64.4, 74.8]	100.0
Associate's degree/Some college (n=266)	28.9	[22.7, 36.0]	71.1	[64.0, 77.3]	100.0
Bachelor's/Post graduate degree (n=109)	27.8	[18.7, 39.2]	72.2	[60.8, 81.3]	100.0
Pearson: Uncorrected chi2(2) =	0.8989				
Design-based F(2.00, 5173.48) =	0.0932	Pr =	0.911		
Total (n=813)	29.5	[25.8, 33.4]	70.5	[66.6, 74.2]	100.0

Note: χ^2 test of independence.

5.9.2 Any colorectal cancer screening (DW) by selected characteristics, among enrollees over the age of 50 (continued)

| | Any colorectal cancer screening (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=260)	31.0	[24.5, 38.4]	69.0	[61.6, 75.5]	100.0
No (n=549)	28.9	[24.5, 33.7]	71.1	[66.3, 75.5]	100.0
Pearson: Uncorrected chi2(1) =	1.1381				
Design-based F(1.00, 2586.00) =	0.2459	Pr =	0.620		
Homeless in last 12 months					
Yes (n=38)	25.2	[12.7, 44.0]	74.8	[56.0, 87.3]	100.0
No (n=774)	29.8	[26.0, 33.9]	70.2	[66.1, 74.0]	100.0
Pearson: Uncorrected chi2(1) =	1.5211				
Design-based F(1.00, 2589.00) =	0.2687	Pr =	0.604		
Need help reading written materials					
Sometimes/Often/Always (n=143)	26.6	[18.6, 36.5]	73.4	[63.5, 81.4]	100.0
Never/Rarely (n=668)	30.2	[26.2, 34.7]	69.8	[65.3, 73.8]	100.0
Pearson: Uncorrected chi2(1) =	2.5892				
Design-based F(1.00, 2588.00) =	0.4939	Pr =	0.482		
Health status					
Excellent/Very good/Good (n=536)	28.3	[23.9, 33.2]	71.7	[66.8, 76.1]	100.0
Fair/Poor (n=277)	31.3	[25.1, 38.2]	68.7	[61.8, 74.9]	100.0
Pearson: Uncorrected chi2(1) =	2.5602				
Design-based F(1.00, 2590.00) =	0.5150	Pr =	0.473		
May get reduction by completing HRA					
Yes (n=278)	29.2	[22.8, 36.5]	70.8	[63.5, 77.2]	100.0
No/Don't know (n=534)	29.6	[25.2, 34.5]	70.4	[65.5, 74.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0554				
Design-based F(1.00, 2589.00) =	0.0115	Pr =	0.915		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=588)	28.2	[24.1, 32.7]	71.8	[67.3, 75.9]	100.0
No/Don't know (n=225)	32.9	[25.4, 41.2]	67.1	[58.8, 74.6]	100.0
Pearson: Uncorrected chi2(1) =	5.5144				
Design-based F(1.00, 2590.00) =	1.0798	Pr =	0.299		
Discussed HRA with provider					
Yes (n=466)	33.5	[28.4, 38.9]	66.5	[61.1, 71.6]	100.0
No/Don't know (n=346)	23.8	[18.8, 29.6]	76.2	[70.4, 81.2]	100.0
Pearson: Uncorrected chi2(1) =	28.3299				
Design-based F(1.00, 2589.00) =	6.0377	Pr =	0.014		
Any HRA record (DW)					
Yes (n=489)	31.4	[26.6, 36.7]	68.6	[63.3, 73.4]	100.0
No (n=324)	26.1	[20.8, 32.2]	73.9	[67.8, 79.2]	100.0
Pearson: Uncorrected chi2(1) =	8.2115				
Design-based F(1.00, 2590.00) =	1.8261	Pr =	0.177		
PCP visit in past 12 months					
Yes (n=704)	32.7	[28.6, 37.1]	67.3	[62.9, 71.4]	100.0
No (n=46)	10.1	[3.5, 25.6]	89.9	[74.4, 96.5]	100.0
Pearson: Uncorrected chi2(1) =	31.5611				
Design-based F(1.00, 2527.00) =	7.5186	Pr =	0.006		
Any primary care visit (DW)					
Yes (n=737)	31.9	[28.0, 36.2]	68.1	[63.8, 72.0]	100.0
No (n=76)	8.1	[2.9, 21.0]	91.9	[79.0, 97.1]	100.0
Pearson: Uncorrected chi2(1) =	66.0195				
Design-based F(1.00, 2590.00) =	10.5282	Pr =	0.001		
Total (n=813)	29.5	[25.8, 33.4]	70.5	[66.6, 74.2]	100.0

Note: χ^2 test of independence.

5.9.3 Predictors of any colorectal cancer screening (DW), among enrollees over the age of 50

	Any colorectal cancer screening (DW)				Any colorectal cancer screening (DW)		
	aOR	95% CI	p-value		aOR	95% CI	p-value
Caregiver							
No		Reference				Reference	
Yes	1.22	[0.786, 1.885]	0.378		1.24	[0.808, 1.910]	0.321
Homeless in last 12 months							
No		Reference				Reference	
Yes	1.29	[0.537, 3.116]	0.565		1.08	[0.455, 2.544]	0.868
Need help reading written materials							
Never/Rarely		Reference				Reference	
Sometimes/Often/Always	0.71	[0.429, 1.168]	0.176		0.80	[0.484, 1.309]	0.368
Health status							
Fair/Poor		Reference				Reference	
Excellent/Very good/Good	0.98	[0.641, 1.512]	0.943		0.96	[0.631, 1.448]	0.830
May get reduction by completing HRA							
No/Don't know		Reference				Reference	
Yes	0.88	[0.563, 1.369]	0.565		0.99	[0.643, 1.511]	0.946
Some kinds of visits, tests, and medicines have no copays							
No/Don't know		Reference				Reference	
Yes	0.69	[0.435, 1.092]	0.113		0.78	[0.495, 1.227]	0.282
Discussed HRA with provider							
No/Don't know		Reference					
Yes	1.76	[1.134, 2.717]	0.012				
PCP visit in past 12 months							
No		Reference					
Yes	3.74	[1.111, 12.582]	0.033				
Gender							
Male		Reference				Reference	
Female	1.05	[0.693, 1.580]	0.829		1.23	[0.818, 1.840]	0.323
Race/ethnicity							
White, non-Hispanic		Reference				Reference	
Black, non-Hispanic	0.44	[0.226, 0.859]	0.016		0.46	[0.241, 0.883]	0.020
Hispanic	0.97	[0.376, 2.502]	0.950		1.07	[0.456, 2.518]	0.875
Other, non-Hispanic	0.62	[0.281, 1.389]	0.248		0.78	[0.334, 1.843]	0.577
FPL category							
0-35%		Reference				Reference	
36-99%	1.41	[0.895, 2.208]	0.139		1.25	[0.822, 1.912]	0.294
100%+	1.36	[0.823, 2.231]	0.231		1.17	[0.726, 1.874]	0.525
Region							
UP/NW/NE		Reference				Reference	
W/E Central/E	0.92	[0.577, 1.469]	0.729		0.90	[0.564, 1.422]	0.639
S Central/SW/SE	1.68	[0.973, 2.896]	0.062		1.56	[0.919, 2.638]	0.100
Detroit Metro	1.49	[0.829, 2.665]	0.183		1.39	[0.783, 2.477]	0.260
Chronic condition (2018 survey or DW)							
No		Reference				Reference	
Yes	1.34	[0.638, 2.795]	0.442		1.32	[0.657, 2.663]	0.432
Mental health condition and/or substance use disorder (2018 survey or DW)							
None		Reference				Reference	
Mental health condition and substance use disorder	1.04	[0.542, 2.010]	0.898		0.99	[0.539, 1.806]	0.964
Mental health condition	1.35	[0.876, 2.081]	0.173		1.32	[0.860, 2.021]	0.204
Substance use disorder	2.08	[0.805, 5.351]	0.130		2.18	[0.933, 5.099]	0.072
Highest level of education							
High school or less		Reference				Reference	
Associate's degree/Some college	0.95	[0.613, 1.474]	0.820		0.86	[0.566, 1.306]	0.479
Bachelor's/Post graduate degree	0.72	[0.374, 1.379]	0.320		0.70	[0.371, 1.315]	0.266
Any HRA record (DW)							
No						Reference	
Yes					1.11	[0.753, 1.637]	0.597
Any primary care visit (DW)							
No						Reference	
Yes					6.80	[1.672, 27.656]	0.007
Constant	0.07	[0.018, 0.285]	0.000		0.05	[0.011, 0.185]	0.000
N	724				787		
F-value	1.578				1.574		
Model degrees of freedom	23.0				23.0		
Residual degrees of freedom	712.0				775.0		
F-value significance	0.042				0.043		

Notes: Multiple logistic regression.

5.10 Any STI test (excluding HPV) (DW)

5.10.1 Any STI test (excluding HPV) (DW) by selected characteristics

	Any STI test (excluding HPV) (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	36.7	[33.2, 40.3]	63.3	[59.7, 66.8]	100.0
36-49 (n=696)	29.9	[25.7, 34.5]	70.1	[65.5, 74.3]	100.0
50-64 (n=870)	18.8	[15.8, 22.1]	81.2	[77.9, 84.2]	100.0
Pearson: Uncorrected chi2(2) =	62.9019				
Design-based F(1.93, 5005.86) =	22.1623	Pr =	0.000		
Gender					
Male (n=1,055)	18.4	[15.6, 21.6]	81.6	[78.4, 84.4]	100.0
Female (n=1,547)	43.6	[40.5, 46.7]	56.4	[53.3, 59.5]	100.0
Pearson: Uncorrected chi2(1) =	193.9031				
Design-based F(1.00, 2590.00) =	108.3367	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	23.1	[20.6, 25.7]	76.9	[74.3, 79.4]	100.0
Black, non-Hispanic (n=422)	46.6	[40.8, 52.5]	53.4	[47.5, 59.2]	100.0
Hispanic (n=169)	37.8	[29.6, 46.8]	62.2	[53.2, 70.4]	100.0
Other, non-Hispanic (n=248)	33.4	[26.9, 40.7]	66.6	[59.3, 73.1]	100.0
Pearson: Uncorrected chi2(3) =	113.0056				
Design-based F(2.97, 7487.06) =	22.2462	Pr =	0.000		
FPL category					
0-35% (n=960)	28.9	[25.5, 32.5]	71.1	[67.5, 74.5]	100.0
36-99% (n=947)	34.3	[31.0, 37.8]	65.7	[62.2, 69.0]	100.0
100%+ (n=695)	31.2	[27.5, 35.3]	68.8	[64.7, 72.5]	100.0
Pearson: Uncorrected chi2(2) =	6.5506				
Design-based F(1.88, 4868.91) =	2.6685	Pr =	0.073		
Region					
UP/NW/NE (n=518)	16.9	[13.5, 20.9]	83.1	[79.1, 86.5]	100.0
W/E Central/E (n=770)	26.0	[22.6, 29.7]	74.0	[70.3, 77.4]	100.0
S Central/SW/SE (n=523)	28.5	[24.4, 33.1]	71.5	[66.9, 75.6]	100.0
Detroit Metro (n=791)	37.6	[33.5, 41.8]	62.4	[58.2, 66.5]	100.0
Pearson: Uncorrected chi2(3) =	54.6405				
Design-based F(2.66, 6876.72) =	15.4120	Pr =	0.000		
Chronic condition (2018 survey or DW)					
No (n=958)	30.7	[27.2, 34.4]	69.3	[65.6, 72.8]	100.0
Yes (n=1,644)	30.8	[28.0, 33.8]	69.2	[66.2, 72.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0066				
Design-based F(1.00, 2590.00) =	0.0040	Pr =	0.950		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	26.8	[23.8, 30.1]	73.2	[69.9, 76.2]	100.0
Mental health condition and substance use disorder (n=301)	33.2	[27.1, 39.9]	66.8	[60.1, 72.9]	100.0
Mental health condition (n=944)	36.3	[32.4, 40.3]	63.7	[59.7, 67.6]	100.0
Substance use disorder (n=100)	27.6	[18.1, 39.7]	72.4	[60.3, 81.9]	100.0
Pearson: Uncorrected chi2(3) =	23.1503				
Design-based F(3.00, 7764.42) =	4.8662	Pr =	0.002		
Highest level of education					
High school or less (n=1,252)	30.3	[27.1, 33.6]	69.7	[66.4, 72.9]	100.0
Associate's degree/Some college (n=1,003)	33.2	[29.6, 37.1]	66.8	[62.9, 70.4]	100.0
Bachelor's/Post graduate degree (n=338)	25.0	[19.8, 30.9]	75.0	[69.1, 80.2]	100.0
Pearson: Uncorrected chi2(2) =	7.9436				
Design-based F(1.98, 5107.63) =	2.6167	Pr =	0.074		
Total (n=2,602)	30.8	[28.6, 33.1]	69.2	[66.9, 71.4]	100.0

Note: χ^2 test of independence.

5.10.2 Any STI test (excluding HPV) (DW) by selected characteristics (continued)

| | **Any STI test (excluding HPV) (DW)** | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	30.0	[25.9, 34.5]	70.0	[65.5, 74.1]	100.0
No (n=1,845)	31.2	[28.6, 33.9]	68.8	[66.1, 71.4]	100.0
Pearson: Uncorrected chi2(1) =	0.3314				
Design-based F(1.00, 2579.00) =	0.2055	Pr =	0.650		
Homeless in last 12 months					
Yes (n=155)	37.3	[28.5, 47.0]	62.7	[53.0, 71.5]	100.0
No (n=2,444)	30.3	[28.0, 32.6]	69.7	[67.4, 72.0]	100.0
Pearson: Uncorrected chi2(1) =	4.4368				
Design-based F(1.00, 2587.00) =	2.2330	Pr =	0.135		
Need help reading written materials					
Sometimes/Often/Always (n=403)	29.5	[24.3, 35.4]	70.5	[64.6, 75.7]	100.0
Never/Rarely (n=2,193)	31.1	[28.7, 33.6]	68.9	[66.4, 71.3]	100.0
Pearson: Uncorrected chi2(1) =	0.3883				
Design-based F(1.00, 2584.00) =	0.2366	Pr =	0.627		
Health status					
Excellent/Very good/Good (n=1,948)	30.2	[27.7, 32.9]	69.8	[67.1, 72.3]	100.0
Fair/Poor (n=654)	32.5	[28.2, 37.0]	67.5	[63.0, 71.8]	100.0
Pearson: Uncorrected chi2(1) =	1.1037				
Design-based F(1.00, 2590.00) =	0.7251	Pr =	0.395		
May get reduction by completing HRA					
Yes (n=825)	26.1	[22.5, 30.1]	73.9	[69.9, 77.5]	100.0
No/Don't know (n=1,776)	32.8	[30.1, 35.6]	67.2	[64.4, 69.9]	100.0
Pearson: Uncorrected chi2(1) =	11.2263				
Design-based F(1.00, 2589.00) =	7.2336	Pr =	0.007		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	31.9	[29.2, 34.7]	68.1	[65.3, 70.8]	100.0
No/Don't know (n=785)	28.6	[24.7, 32.8]	71.4	[67.2, 75.3]	100.0
Pearson: Uncorrected chi2(1) =	2.9540				
Design-based F(1.00, 2590.00) =	1.7185	Pr =	0.190		
Discussed HRA with provider					
Yes (n=1,208)	33.8	[30.5, 37.2]	66.2	[62.8, 69.5]	100.0
No/Don't know (n=1,392)	28.5	[25.5, 31.6]	71.5	[68.4, 74.5]	100.0
Pearson: Uncorrected chi2(1) =	8.5606				
Design-based F(1.00, 2588.00) =	5.3175	Pr =	0.021		
Any HRA record (DW)					
Yes (n=1,235)	30.8	[27.6, 34.2]	69.2	[65.8, 72.4]	100.0
No (n=1,367)	30.8	[27.8, 33.9]	69.2	[66.1, 72.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0016				
Design-based F(1.00, 2590.00) =	0.0010	Pr =	0.975		
PCP visit in past 12 months					
Yes (n=1,952)	35.0	[32.4, 37.7]	65.0	[62.3, 67.6]	100.0
No (n=298)	21.1	[15.7, 27.6]	78.9	[72.4, 84.3]	100.0
Pearson: Uncorrected chi2(1) =	27.3710				
Design-based F(1.00, 2238.00) =	13.6941	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	35.8	[33.3, 38.4]	64.2	[61.6, 66.7]	100.0
No (n=369)	8.1	[5.2, 12.3]	91.9	[87.7, 94.8]	100.0
Pearson: Uncorrected chi2(1) =	139.1424				
Design-based F(1.00, 2590.00) =	71.6276	Pr =	0.000		
Total (n=2,602)	30.8	[28.6, 33.1]	69.2	[66.9, 71.4]	100.0

Note: χ^2 test of independence.

5.10.3 Predictors of any STI test (excluding HPV) (DW)

	Any STI test (excluding HPV) (DW)			Any STI test (excluding HPV) (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	1.01	[0.753, 1.351]	0.955	1.06	[0.801, 1.395]	0.697
Homeless in last 12 months						
No		Reference			Reference	
Yes	1.30	[0.770, 2.179]	0.329	1.41	[0.873, 2.268]	0.161
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.88	[0.614, 1.263]	0.489	0.95	[0.680, 1.334]	0.776
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.70	[0.513, 0.969]	0.031	0.81	[0.593, 1.096]	0.168
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.77	[0.579, 1.017]	0.066	0.85	[0.651, 1.099]	0.211
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.17	[0.863, 1.583]	0.312	1.15	[0.861, 1.525]	0.349
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.19	[0.911, 1.545]	0.204			
PCP visit in past 12 months						
No		Reference				
Yes	2.27	[1.489, 3.449]	0.000			
Age						
19-35		Reference			Reference	
36-49	0.54	[0.390, 0.747]	0.000	0.60	[0.440, 0.807]	0.001
50-64	0.24	[0.171, 0.344]	0.000	0.27	[0.189, 0.371]	0.000
Gender						
Male		Reference			Reference	
Female	3.73	[2.781, 5.008]	0.000	3.69	[2.802, 4.863]	0.000
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	3.08	[2.122, 4.477]	0.000	3.52	[2.470, 5.011]	0.000
Hispanic	2.24	[1.385, 3.606]	0.001	2.37	[1.542, 3.653]	0.000
Other, non-Hispanic	1.56	[1.024, 2.378]	0.038	1.52	[1.007, 2.282]	0.046
FPL category						
0-35%		Reference			Reference	
36-99%	1.14	[0.852, 1.537]	0.370	1.15	[0.866, 1.513]	0.341
100%+	1.07	[0.779, 1.468]	0.677	1.06	[0.787, 1.417]	0.717
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.45	[0.994, 2.108]	0.054	1.39	[0.981, 1.975]	0.064
S Central/SW/SE	1.57	[1.041, 2.360]	0.031	1.48	[1.009, 2.167]	0.045
Detroit Metro	2.56	[1.714, 3.821]	0.000	2.22	[1.531, 3.225]	0.000
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.07	[0.787, 1.446]	0.676	1.06	[0.801, 1.404]	0.683
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	2.20	[1.408, 3.444]	0.001	2.22	[1.452, 3.400]	0.000
Mental health condition	1.52	[1.133, 2.030]	0.005	1.44	[1.091, 1.899]	0.010
Substance use disorder	1.91	[1.003, 3.633]	0.049	1.66	[0.906, 3.053]	0.101
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	0.90	[0.681, 1.186]	0.450	0.92	[0.703, 1.194]	0.517
Bachelor's/Post graduate degree	0.69	[0.455, 1.032]	0.070	0.71	[0.482, 1.059]	0.094
Any HRA record (DW)						
No					Reference	
Yes				1.12	[0.860, 1.452]	0.407
Any primary care visit (DW)						
No					Reference	
Yes				6.62	[3.824, 11.445]	0.000
Constant	0.06	[0.030, 0.115]	0.000	0.02	[0.009, 0.038]	0.000
N	2,174			2,514		
F-value	10.715			11.715		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	2,162.0			2,502.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.11 Any HPV test (DW)

5.11.1 Any HPV test (DW) by selected characteristics, among female enrollees

	Any HPV test (DW)				Total
	Yes		No		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=614)	11.5	[9.1, 14.6]	88.5	[85.4, 90.9]	100.0
36-49 (n=410)	35.9	[30.5, 41.6]	64.1	[58.4, 69.5]	100.0
50-64 (n=523)	24.6	[20.4, 29.3]	75.4	[70.7, 79.6]	100.0
Pearson: Uncorrected chi2(2) =	161.9122				
Design-based F(1.98, 5130.04) =	36.9489	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,015)	21.8	[18.9, 24.9]	78.2	[75.1, 81.1]	100.0
Black, non-Hispanic (n=258)	20.3	[15.3, 26.4]	79.7	[73.6, 84.7]	100.0
Hispanic (n=98)	27.2	[18.3, 38.4]	72.8	[61.6, 81.7]	100.0
Other, non-Hispanic (n=137)	12.6	[7.8, 19.6]	87.4	[80.4, 92.2]	100.0
Pearson: Uncorrected chi2(3) =	18.1021				
Design-based F(2.99, 7623.69) =	2.4095	Pr =	0.065		
FPL category					
0-35% (n=457)	19.0	[15.2, 23.5]	81.0	[76.5, 84.8]	100.0
36-99% (n=623)	20.3	[17.1, 23.9]	79.7	[76.1, 82.9]	100.0
100%+ (n=467)	25.0	[20.9, 29.6]	75.0	[70.4, 79.1]	100.0
Pearson: Uncorrected chi2(2) =	8.7524				
Design-based F(1.88, 4880.04) =	2.1119	Pr =	0.124		
Region					
UP/NW/NE (n=291)	18.8	[14.5, 23.9]	81.2	[76.1, 85.5]	100.0
W/E Central/E (n=467)	24.6	[20.6, 29.1]	75.4	[70.9, 79.4]	100.0
S Central/SW/SE (n=304)	19.4	[15.0, 24.6]	80.6	[75.4, 85.0]	100.0
Detroit Metro (n=485)	19.4	[15.7, 23.7]	80.6	[76.3, 84.3]	100.0
Pearson: Uncorrected chi2(3) =	8.7343				
Design-based F(2.65, 6872.40) =	1.6132	Pr =	0.190		
Chronic condition (2018 survey or DW)					
No (n=583)	17.6	[14.3, 21.5]	82.4	[78.5, 85.7]	100.0
Yes (n=964)	22.9	[20.0, 26.2]	77.1	[73.8, 80.0]	100.0
Pearson: Uncorrected chi2(1) =	10.9415				
Design-based F(1.00, 2590.00) =	4.6094	Pr =	0.032		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=712)	18.0	[15.1, 21.4]	82.0	[78.6, 84.9]	100.0
Mental health condition and substance use disorder (n=128)	22.1	[14.8, 31.6]	77.9	[68.4, 85.2]	100.0
Mental health condition (n=676)	23.7	[20.0, 27.8]	76.3	[72.2, 80.0]	100.0
Substance use disorder (n=31)	19.3	[9.0, 36.8]	80.7	[63.2, 91.0]	100.0
Pearson: Uncorrected chi2(3) =	11.5522				
Design-based F(2.93, 7583.41) =	1.8852	Pr =	0.131		
Highest level of education					
High school or less (n=695)	18.8	[15.8, 22.3]	81.2	[77.7, 84.2]	100.0
Associate's degree/Some college (n=644)	19.8	[16.4, 23.6]	80.2	[76.4, 83.6]	100.0
Bachelor's/Post graduate degree (n=203)	31.1	[23.8, 39.5]	68.9	[60.5, 76.2]	100.0
Pearson: Uncorrected chi2(2) =	25.3375				
Design-based F(1.99, 5144.08) =	5.3824	Pr =	0.005		
Total (n=1,547)	20.8	[18.5, 23.2]	79.2	[76.8, 81.5]	100.0

Note: χ^2 test of independence.

5.11.2   Any HPV test (DW) by selected characteristics, among female enrollees (continued)

| | Any HPV test (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=481)	23.0	[18.6, 28.2]	77.0	[71.8, 81.4]	100.0
No (n=1,061)	19.8	[17.2, 22.6]	80.2	[77.4, 82.8]	100.0
Pearson: Uncorrected chi2(1) =	3.4062				
Design-based F(1.00, 2585.00) =	1.4174	Pr =	0.234		
Homeless in last 12 months					
Yes (n=62)	18.7	[10.0, 32.4]	81.3	[67.6, 90.0]	100.0
No (n=1,483)	20.9	[18.6, 23.5]	79.1	[76.5, 81.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4028				
Design-based F(1.00, 2588.00) =	0.1318	Pr =	0.717		
Need help reading written materials					
Sometimes/Often/Always (n=207)	17.4	[12.5, 23.8]	82.6	[76.2, 87.5]	100.0
Never/Rarely (n=1,338)	21.4	[18.9, 24.1]	78.6	[75.9, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	3.0124				
Design-based F(1.00, 2588.00) =	1.3882	Pr =	0.239		
Health status					
Excellent/Very good/Good (n=1,184)	20.0	[17.4, 22.8]	80.0	[77.2, 82.6]	100.0
Fair/Poor (n=363)	23.5	[18.8, 28.9]	76.5	[71.1, 81.2]	100.0
Pearson: Uncorrected chi2(1) =	3.5116				
Design-based F(1.00, 2590.00) =	1.5632	Pr =	0.211		
May get reduction by completing HRA					
Yes (n=451)	20.6	[16.6, 25.4]	79.4	[74.6, 83.4]	100.0
No/Don't know (n=1,096)	20.8	[18.2, 23.8]	79.2	[76.2, 81.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0095				
Design-based F(1.00, 2590.00) =	0.0043	Pr =	0.948		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,110)	21.9	[19.2, 25.0]	78.1	[75.0, 80.8]	100.0
No/Don't know (n=437)	18.0	[14.3, 22.4]	82.0	[77.6, 85.7]	100.0
Pearson: Uncorrected chi2(1) =	5.1646				
Design-based F(1.00, 2590.00) =	2.3046	Pr =	0.129		
Discussed HRA with provider					
Yes (n=744)	23.7	[20.3, 27.5]	76.3	[72.5, 79.7]	100.0
No/Don't know (n=802)	18.4	[15.5, 21.8]	81.6	[78.2, 84.5]	100.0
Pearson: Uncorrected chi2(1) =	10.7352				
Design-based F(1.00, 2589.00) =	4.6809	Pr =	0.031		
Any HRA record (DW)					
Yes (n=743)	22.6	[19.2, 26.3]	77.4	[73.7, 80.8]	100.0
No (n=804)	19.3	[16.3, 22.7]	80.7	[77.3, 83.7]	100.0
Pearson: Uncorrected chi2(1) =	4.2742				
Design-based F(1.00, 2590.00) =	1.8551	Pr =	0.173		
PCP visit in past 12 months					
Yes (n=1,251)	23.7	[21.0, 26.6]	76.3	[73.4, 79.0]	100.0
No (n=131)	10.9	[5.9, 19.1]	89.1	[80.9, 94.1]	100.0
Pearson: Uncorrected chi2(1) =	22.0176				
Design-based F(1.00, 2425.00) =	7.7362	Pr =	0.005		
Any primary care visit (DW)					
Yes (n=1,407)	22.6	[20.2, 25.3]	77.4	[74.7, 79.8]	100.0
No (n=140)	3.7	[1.6, 8.6]	96.3	[91.4, 98.4]	100.0
Pearson: Uncorrected chi2(1) =	50.6285				
Design-based F(1.00, 2590.00) =	26.6053	Pr =	0.000		
Total (n=1,547)	20.8	[18.5, 23.2]	79.2	[76.8, 81.5]	100.0

Note: χ^2 test of independence.

5.11.3 Predictors of any HPV test (DW), among female enrollees

	Any HPV test (DW)			Any HPV test (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	1.15	[0.808, 1.622]	0.445	1.12	[0.797, 1.570]	0.517
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.93	[0.444, 1.954]	0.850	0.84	[0.422, 1.683]	0.628
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.80	[0.494, 1.294]	0.362	0.78	[0.501, 1.225]	0.285
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	1.08	[0.726, 1.606]	0.704	0.99	[0.682, 1.450]	0.978
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.86	[0.599, 1.243]	0.428	0.86	[0.601, 1.231]	0.410
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.04	[0.722, 1.508]	0.823	0.98	[0.690, 1.379]	0.890
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.15	[0.834, 1.588]	0.393			
PCP visit in past 12 months						
No		Reference				
Yes	2.42	[1.261, 4.654]	0.008			
Age						
19-35		Reference			Reference	
36-49	4.64	[3.045, 7.061]	0.000	4.93	[3.275, 7.429]	0.000
50-64	2.28	[1.468, 3.542]	0.000	2.47	[1.602, 3.811]	0.000
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.05	[0.659, 1.682]	0.828	1.09	[0.703, 1.683]	0.707
Hispanic	1.42	[0.755, 2.663]	0.277	1.71	[0.946, 3.106]	0.076
Other, non-Hispanic	0.61	[0.333, 1.126]	0.115	0.66	[0.380, 1.158]	0.148
FPL category						
0-35%		Reference			Reference	
36-99%	1.26	[0.855, 1.869]	0.240	1.27	[0.873, 1.852]	0.211
100%+	1.54	[1.022, 2.331]	0.039	1.57	[1.059, 2.337]	0.025
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.54	[0.995, 2.383]	0.053	1.44	[0.942, 2.209]	0.092
S Central/SW/SE	1.12	[0.683, 1.826]	0.659	1.12	[0.695, 1.810]	0.638
Detroit Metro	1.38	[0.844, 2.246]	0.200	1.28	[0.802, 2.034]	0.302
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.92	[0.627, 1.353]	0.675	0.91	[0.635, 1.316]	0.630
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.92	[0.470, 1.803]	0.809	1.02	[0.528, 1.981]	0.947
Mental health condition	1.16	[0.812, 1.657]	0.415	1.21	[0.863, 1.701]	0.266
Substance use disorder	0.75	[0.277, 2.052]	0.579	0.79	[0.302, 2.068]	0.632
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.27	[0.904, 1.779]	0.169	1.24	[0.901, 1.712]	0.185
Bachelor's/Post graduate degree	2.27	[1.373, 3.749]	0.001	2.30	[1.405, 3.774]	0.001
Any HRA record (DW)						
No					Reference	
Yes				0.99	[0.723, 1.358]	0.954
Any primary care visit (DW)						
No					Reference	
Yes				10.18	[3.530, 29.371]	0.000
Constant	0.03	[0.011, 0.066]	0.000	0.01	[0.002, 0.025]	0.000
N	1,339			1,500		
F-value	5.092			5.609		
Model degrees of freedom	24.0			24.0		
Residual degrees of freedom	1,327.0			1,488.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.12 Any vaccine (non-flu) (DW)

5.12.1 Any vaccine (non-flu) (DW) by selected characteristics

	Yes Row %	Yes 95% CI	No Row %	No 95% CI	Total Row %
Age					
19-35 (n=1,036)	22.7	[19.8, 25.9]	77.3	[74.1, 80.2]	100.0
36-49 (n=696)	21.0	[17.5, 24.9]	79.0	[75.1, 82.5]	100.0
50-64 (n=870)	27.6	[24.1, 31.4]	72.4	[68.6, 75.9]	100.0
Pearson: Uncorrected chi2(2) =	8.5080				
Design-based F(1.96, 5070.46) =	3.0763	Pr =	0.047		
Gender					
Male (n=1,055)	21.4	[18.6, 24.5]	78.6	[75.5, 81.4]	100.0
Female (n=1,547)	25.5	[22.9, 28.2]	74.5	[71.8, 77.1]	100.0
Pearson: Uncorrected chi2(1) =	5.9500				
Design-based F(1.00, 2590.00) =	3.8292	Pr =	0.050		
Race/ethnicity					
White, non-Hispanic (n=1,696)	25.2	[22.7, 27.8]	74.8	[72.2, 77.3]	100.0
Black, non-Hispanic (n=422)	18.0	[13.9, 22.9]	82.0	[77.1, 86.1]	100.0
Hispanic (n=169)	27.2	[20.2, 35.5]	72.8	[64.5, 79.8]	100.0
Other, non-Hispanic (n=248)	21.7	[16.1, 28.5]	78.3	[71.5, 83.9]	100.0
Pearson: Uncorrected chi2(3) =	13.8867				
Design-based F(2.96, 7455.56) =	2.7292	Pr =	0.043		
FPL category					
0-35% (n=960)	23.2	[20.3, 26.5]	76.8	[73.5, 79.7]	100.0
36-99% (n=947)	21.5	[18.8, 24.5]	78.5	[75.5, 81.2]	100.0
100%+ (n=695)	26.5	[22.9, 30.4]	73.5	[69.6, 77.1]	100.0
Pearson: Uncorrected chi2(2) =	3.9838				
Design-based F(1.90, 4923.20) =	1.7257	Pr =	0.180		
Region					
UP/NW/NE (n=518)	26.6	[22.7, 30.9]	73.4	[69.1, 77.3]	100.0
W/E Central/E (n=770)	24.1	[20.9, 27.7]	75.9	[72.3, 79.1]	100.0
S Central/SW/SE (n=523)	29.7	[25.2, 34.6]	70.3	[65.4, 74.8]	100.0
Detroit Metro (n=791)	19.5	[16.4, 23.0]	80.5	[77.0, 83.6]	100.0
Pearson: Uncorrected chi2(3) =	22.8457				
Design-based F(2.62, 6779.01) =	6.2047	Pr =	0.001		
Chronic condition (2018 survey or DW)					
No (n=958)	21.9	[18.8, 25.4]	78.1	[74.6, 81.2]	100.0
Yes (n=1,644)	24.4	[22.0, 27.0]	75.6	[73.0, 78.0]	100.0
Pearson: Uncorrected chi2(1) =	2.1368				
Design-based F(1.00, 2590.00) =	1.3194	Pr =	0.251		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	19.6	[17.0, 22.4]	80.4	[77.6, 83.0]	100.0
Mental health condition and substance use disorder (n=301)	34.6	[28.2, 41.7]	65.4	[58.3, 71.8]	100.0
Mental health condition (n=944)	25.4	[22.1, 29.0]	74.6	[71.0, 77.9]	100.0
Substance use disorder (n=100)	19.8	[12.8, 29.4]	80.2	[70.6, 87.2]	100.0
Pearson: Uncorrected chi2(3) =	36.2665				
Design-based F(2.93, 7590.19) =	8.3913	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	22.2	[19.5, 25.2]	77.8	[74.8, 80.5]	100.0
Associate's degree/Some college (n=1,003)	23.7	[20.6, 27.0]	76.3	[73.0, 79.4]	100.0
Bachelor's/Post graduate degree (n=338)	27.6	[21.9, 34.2]	72.4	[65.8, 78.1]	100.0
Pearson: Uncorrected chi2(2) =	4.0140				
Design-based F(2.00, 5161.97) =	1.3161	Pr =	0.268		
Total (n=2,602)	23.4	[21.4, 25.5]	76.6	[74.5, 78.6]	100.0

Note: χ^2 test of independence.

5.12.2 Any vaccine (non-flu) (DW) by selected characteristics (continued)

	Any vaccine (non-flu) (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	23.3	[19.6, 27.5]	76.7	[72.5, 80.4]	100.0
No (n=1,845)	23.5	[21.2, 25.9]	76.5	[74.1, 78.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0090				
Design-based F(1.00, 2579.00) =	0.0057	Pr =	0.940		
Homeless in last 12 months					
Yes (n=155)	21.6	[15.0, 30.0]	78.4	[70.0, 85.0]	100.0
No (n=2,444)	23.5	[21.5, 25.6]	76.5	[74.4, 78.5]	100.0
Pearson: Uncorrected chi2(1) =	0.3902				
Design-based F(1.00, 2587.00) =	0.2185	Pr =	0.640		
Need help reading written materials					
Sometimes/Often/Always (n=403)	24.3	[19.6, 29.7]	75.7	[70.3, 80.4]	100.0
Never/Rarely (n=2,193)	23.2	[21.1, 25.5]	76.8	[74.5, 78.9]	100.0
Pearson: Uncorrected chi2(1) =	0.2380				
Design-based F(1.00, 2584.00) =	0.1561	Pr =	0.693		
Health status					
Excellent/Very good/Good (n=1,948)	22.4	[20.2, 24.8]	77.6	[75.2, 79.8]	100.0
Fair/Poor (n=654)	26.4	[22.6, 30.6]	73.6	[69.4, 77.4]	100.0
Pearson: Uncorrected chi2(1) =	4.2679				
Design-based F(1.00, 2590.00) =	3.0191	Pr =	0.082		
May get reduction by completing HRA					
Yes (n=825)	20.9	[17.6, 24.6]	79.1	[75.4, 82.4]	100.0
No/Don't know (n=1,776)	24.5	[22.1, 27.0]	75.5	[73.0, 77.9]	100.0
Pearson: Uncorrected chi2(1) =	3.9619				
Design-based F(1.00, 2589.00) =	2.6180	Pr =	0.106		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	25.5	[23.1, 28.1]	74.5	[71.9, 76.9]	100.0
No/Don't know (n=785)	19.2	[16.1, 22.6]	80.8	[77.4, 83.9]	100.0
Pearson: Uncorrected chi2(1) =	12.9435				
Design-based F(1.00, 2590.00) =	8.4659	Pr =	0.004		
Discussed HRA with provider					
Yes (n=1,208)	28.1	[25.0, 31.4]	71.9	[68.6, 75.0]	100.0
No/Don't know (n=1,392)	19.8	[17.4, 22.5]	80.2	[77.5, 82.6]	100.0
Pearson: Uncorrected chi2(1) =	24.3304				
Design-based F(1.00, 2588.00) =	16.0248	Pr =	0.000		
Any HRA record (DW)					
Yes (n=1,235)	24.5	[21.6, 27.5]	75.5	[72.5, 78.4]	100.0
No (n=1,367)	22.5	[19.9, 25.4]	77.5	[74.6, 80.1]	100.0
Pearson: Uncorrected chi2(1) =	1.3913				
Design-based F(1.00, 2590.00) =	0.9156	Pr =	0.339		
PCP visit in past 12 months					
Yes (n=1,952)	27.0	[24.7, 29.6]	73.0	[70.4, 75.3]	100.0
No (n=298)	15.0	[10.5, 21.0]	85.0	[79.0, 89.5]	100.0
Pearson: Uncorrected chi2(1) =	24.0192				
Design-based F(1.00, 2238.00) =	12.0916	Pr =	0.001		
Any primary care visit (DW)					
Yes (n=2,233)	25.5	[23.3, 27.7]	74.5	[72.3, 76.7]	100.0
No (n=369)	14.0	[9.8, 19.6]	86.0	[80.4, 90.2]	100.0
Pearson: Uncorrected chi2(1) =	28.3391				
Design-based F(1.00, 2590.00) =	12.5991	Pr =	0.000		
Total (n=2,602)	23.4	[21.4, 25.5]	76.6	[74.5, 78.6]	100.0

Note: χ^2 test of independence.

5.12.3 Predictors of any vaccine (non-flu) (DW)

	Any vaccine (non-flu) (DW)			Any vaccine (non-flu) (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	0.99	[0.752, 1.316]	0.969	1.01	[0.772, 1.320]	0.948
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.78	[0.451, 1.340]	0.364	0.78	[0.475, 1.292]	0.339
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.91	[0.655, 1.276]	0.598	1.01	[0.745, 1.378]	0.931
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.84	[0.627, 1.131]	0.252	0.93	[0.703, 1.224]	0.595
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.67	[0.506, 0.898]	0.007	0.72	[0.549, 0.938]	0.015
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.31	[0.981, 1.744]	0.067	1.31	[1.004, 1.722]	0.047
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.29	[1.002, 1.672]	0.048			
PCP visit in past 12 months						
No		Reference				
Yes	1.63	[1.040, 2.552]	0.033			
Age						
19-35		Reference			Reference	
36-49	0.88	[0.641, 1.195]	0.401	0.84	[0.628, 1.137]	0.265
50-64	1.06	[0.780, 1.450]	0.698	1.14	[0.850, 1.516]	0.391
Gender						
Male		Reference			Reference	
Female	1.07	[0.828, 1.392]	0.591	1.13	[0.884, 1.443]	0.331
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.84	[0.566, 1.232]	0.363	0.84	[0.587, 1.213]	0.359
Hispanic	1.54	[0.992, 2.407]	0.055	1.24	[0.822, 1.870]	0.306
Other, non-Hispanic	0.86	[0.553, 1.340]	0.507	1.01	[0.664, 1.527]	0.974
FPL category						
0-35%		Reference			Reference	
36-99%	0.90	[0.675, 1.189]	0.446	0.92	[0.700, 1.201]	0.527
100%+	1.20	[0.886, 1.632]	0.237	1.26	[0.948, 1.684]	0.111
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.89	[0.652, 1.211]	0.453	0.86	[0.638, 1.152]	0.306
S Central/SW/SE	1.21	[0.861, 1.707]	0.271	1.13	[0.820, 1.559]	0.454
Detroit Metro	0.79	[0.553, 1.143]	0.215	0.74	[0.529, 1.041]	0.084
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.97	[0.731, 1.294]	0.849	0.94	[0.716, 1.230]	0.646
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	2.14	[1.424, 3.230]	0.000	2.17	[1.481, 3.189]	0.000
Mental health condition	1.08	[0.823, 1.421]	0.575	1.12	[0.863, 1.454]	0.393
Substance use disorder	0.88	[0.467, 1.672]	0.704	1.11	[0.614, 2.005]	0.730
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.16	[0.882, 1.512]	0.294	1.14	[0.888, 1.476]	0.295
Bachelor's/Post graduate degree	1.29	[0.872, 1.922]	0.200	1.35	[0.931, 1.953]	0.114
Any HRA record (DW)						
No					Reference	
Yes				1.07	[0.839, 1.369]	0.579
Any primary care visit (DW)						
No					Reference	
Yes				1.69	[1.078, 2.661]	0.022
Constant	0.18	[0.098, 0.340]	0.000	0.16	[0.091, 0.288]	0.000
N	2,174			2,514		
F-value	2.737			2.717		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	2,162.0			2,502.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.13 Any flu vaccine (DW)

5.13.1 Any flu vaccine (DW) by selected characteristics

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
Age					
19-35 (n=1,036)	38.4	[34.9, 42.0]	61.6	[58.0, 65.1]	100.0
36-49 (n=696)	38.0	[33.6, 42.5]	62.0	[57.5, 66.4]	100.0
50-64 (n=870)	54.0	[49.9, 58.0]	46.0	[42.0, 50.1]	100.0
Pearson: Uncorrected chi2(2) =	47.2125				
Design-based F(1.95, 5062.52) =	16.7456	Pr =	0.000		
Gender					
Male (n=1,055)	36.8	[33.4, 40.4]	63.2	[59.6, 66.6]	100.0
Female (n=1,547)	47.1	[44.1, 50.2]	52.9	[49.8, 55.9]	100.0
Pearson: Uncorrected chi2(1) =	28.4414				
Design-based F(1.00, 2590.00) =	18.0346	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	46.5	[43.5, 49.5]	53.5	[50.5, 56.5]	100.0
Black, non-Hispanic (n=422)	31.9	[26.8, 37.4]	68.1	[62.6, 73.2]	100.0
Hispanic (n=169)	42.2	[33.6, 51.3]	57.8	[48.7, 66.4]	100.0
Other, non-Hispanic (n=248)	41.1	[34.1, 48.5]	58.9	[51.5, 65.9]	100.0
Pearson: Uncorrected chi2(3) =	35.7387				
Design-based F(2.98, 7526.28) =	7.0321	Pr =	0.000		
FPL category					
0-35% (n=960)	41.2	[37.6, 44.9]	58.8	[55.1, 62.4]	100.0
36-99% (n=947)	39.9	[36.5, 43.4]	60.1	[56.6, 63.5]	100.0
100%+ (n=695)	46.8	[42.6, 51.0]	53.2	[49.0, 57.4]	100.0
Pearson: Uncorrected chi2(2) =	6.1999				
Design-based F(1.91, 4935.91) =	2.6257	Pr =	0.075		
Region					
UP/NW/NE (n=518)	45.8	[41.1, 50.6]	54.2	[49.4, 58.9]	100.0
W/E Central/E (n=770)	43.3	[39.4, 47.4]	56.7	[52.6, 60.6]	100.0
S Central/SW/SE (n=523)	52.9	[47.9, 57.9]	47.1	[42.1, 52.1]	100.0
Detroit Metro (n=791)	35.3	[31.4, 39.4]	64.7	[60.6, 68.6]	100.0
Pearson: Uncorrected chi2(3) =	48.0803				
Design-based F(2.65, 6860.12) =	13.1459	Pr =	0.000		
Chronic condition (2018 survey or DW)					
No (n=958)	32.8	[29.3, 36.6]	67.2	[63.4, 70.7]	100.0
Yes (n=1,644)	48.0	[44.9, 51.1]	52.0	[48.9, 55.1]	100.0
Pearson: Uncorrected chi2(1) =	58.9671				
Design-based F(1.00, 2590.00) =	36.9172	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	35.9	[32.6, 39.2]	64.1	[60.8, 67.4]	100.0
Mental health condition and substance use disorder (n=301)	51.2	[44.2, 58.2]	48.8	[41.8, 55.8]	100.0
Mental health condition (n=944)	48.5	[44.5, 52.5]	51.5	[47.5, 55.5]	100.0
Substance use disorder (n=100)	34.1	[24.6, 45.0]	65.9	[55.0, 75.4]	100.0
Pearson: Uncorrected chi2(3) =	49.2697				
Design-based F(2.96, 7655.73) =	11.0435	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	39.2	[35.9, 42.6]	60.8	[57.4, 64.1]	100.0
Associate's degree/Some college (n=1,003)	42.7	[38.9, 46.6]	57.3	[53.4, 61.1]	100.0
Bachelor's/Post graduate degree (n=338)	50.9	[44.4, 57.3]	49.1	[42.7, 55.6]	100.0
Pearson: Uncorrected chi2(2) =	14.1676				
Design-based F(1.99, 5131.52) =	4.7312	Pr =	0.009		
Total (n=2,602)	41.9	[39.6, 44.3]	58.1	[55.7, 60.4]	100.0

Note: χ^2 test of independence.

5.13.2 Any flu vaccine (DW) by selected characteristics (continued)

| | Any flu vaccine (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	43.5	[39.0, 48.2]	56.5	[51.8, 61.0]	100.0
No (n=1,845)	41.4	[38.6, 44.2]	58.6	[55.8, 61.4]	100.0
Pearson: Uncorrected chi2(1) =	0.9670				
Design-based F(1.00, 2579.00) =	0.6202	Pr =	0.431		
Homeless in last 12 months					
Yes (n=155)	37.1	[28.5, 46.7]	62.9	[53.3, 71.5]	100.0
No (n=2,444)	42.3	[39.9, 44.8]	57.7	[55.2, 60.1]	100.0
Pearson: Uncorrected chi2(1) =	2.1135				
Design-based F(1.00, 2587.00) =	1.0891	Pr =	0.297		
Need help reading written materials					
Sometimes/Often/Always (n=403)	41.0	[35.3, 46.9]	59.0	[53.1, 64.7]	100.0
Never/Rarely (n=2,193)	42.1	[39.5, 44.7]	57.9	[55.3, 60.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1839				
Design-based F(1.00, 2584.00) =	0.1185	Pr =	0.731		
Health status					
Excellent/Very good/Good (n=1,948)	40.3	[37.6, 43.1]	59.7	[56.9, 62.4]	100.0
Fair/Poor (n=654)	46.8	[42.3, 51.5]	53.2	[48.5, 57.7]	100.0
Pearson: Uncorrected chi2(1) =	8.3602				
Design-based F(1.00, 2590.00) =	5.7004	Pr =	0.017		
May get reduction by completing HRA					
Yes (n=825)	42.4	[38.2, 46.8]	57.6	[53.2, 61.8]	100.0
No/Don't know (n=1,776)	41.7	[38.9, 44.6]	58.3	[55.4, 61.1]	100.0
Pearson: Uncorrected chi2(1) =	0.1148				
Design-based F(1.00, 2589.00) =	0.0737	Pr =	0.786		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	46.3	[43.5, 49.2]	53.7	[50.8, 56.5]	100.0
No/Don't know (n=785)	33.1	[29.2, 37.2]	66.9	[62.8, 70.8]	100.0
Pearson: Uncorrected chi2(1) =	41.7515				
Design-based F(1.00, 2590.00) =	25.7420	Pr =	0.000		
Discussed HRA with provider					
Yes (n=1,208)	51.1	[47.6, 54.7]	48.9	[45.3, 52.4]	100.0
No/Don't know (n=1,392)	34.8	[31.8, 38.0]	65.2	[62.0, 68.2]	100.0
Pearson: Uncorrected chi2(1) =	69.6489				
Design-based F(1.00, 2588.00) =	45.1632	Pr =	0.000		
Any HRA record (DW)					
Yes (n=1,235)	46.3	[42.8, 49.8]	53.7	[50.2, 57.2]	100.0
No (n=1,367)	38.3	[35.2, 41.5]	61.7	[58.5, 64.8]	100.0
Pearson: Uncorrected chi2(1) =	17.0459				
Design-based F(1.00, 2590.00) =	10.8394	Pr =	0.001		
PCP visit in past 12 months					
Yes (n=1,952)	49.2	[46.4, 51.9]	50.8	[48.1, 53.6]	100.0
No (n=298)	26.3	[20.4, 33.2]	73.7	[66.8, 79.6]	100.0
Pearson: Uncorrected chi2(1) =	65.5806				
Design-based F(1.00, 2238.00) =	33.0762	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	46.3	[43.7, 48.9]	53.7	[51.1, 56.3]	100.0
No (n=369)	22.2	[17.0, 28.4]	77.8	[71.6, 83.0]	100.0
Pearson: Uncorrected chi2(1) =	92.1909				
Design-based F(1.00, 2590.00) =	41.9613	Pr =	0.000		
Total (n=2,602)	41.9	[39.6, 44.3]	58.1	[55.7, 60.4]	100.0

Note: χ^2 test of independence.

5.13.3 Predictors of any flu vaccine (DW)

	Any flu vaccine (DW)			Any flu vaccine (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	0.95	[0.742, 1.226]	0.711	1.02	[0.801, 1.292]	0.887
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.79	[0.471, 1.324]	0.370	0.80	[0.495, 1.289]	0.357
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	0.80	[0.590, 1.076]	0.138	0.85	[0.643, 1.131]	0.270
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.89	[0.680, 1.164]	0.394	0.92	[0.715, 1.196]	0.549
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.83	[0.647, 1.057]	0.129	0.91	[0.723, 1.147]	0.427
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.39	[1.083, 1.781]	0.010	1.42	[1.119, 1.798]	0.004
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.45	[1.150, 1.817]	0.002			
PCP visit in past 12 months						
No		Reference				
Yes	1.78	[1.219, 2.590]	0.003			
Age						
19-35		Reference			Reference	
36-49	0.85	[0.638, 1.131]	0.264	0.84	[0.640, 1.108]	0.219
50-64	1.31	[0.978, 1.752]	0.070	1.34	[1.024, 1.764]	0.033
Gender						
Male		Reference			Reference	
Female	1.32	[1.042, 1.661]	0.021	1.33	[1.068, 1.653]	0.011
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.79	[0.561, 1.101]	0.161	0.72	[0.520, 0.983]	0.039
Hispanic	1.21	[0.785, 1.864]	0.389	1.00	[0.656, 1.512]	0.985
Other, non-Hispanic	0.95	[0.648, 1.385]	0.780	1.01	[0.705, 1.440]	0.968
FPL category						
0-35%		Reference			Reference	
36-99%	0.97	[0.756, 1.253]	0.836	0.94	[0.745, 1.198]	0.640
100%+	1.22	[0.925, 1.611]	0.159	1.24	[0.953, 1.603]	0.110
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.00	[0.751, 1.337]	0.990	0.92	[0.701, 1.205]	0.540
S Central/SW/SE	1.56	[1.128, 2.152]	0.007	1.44	[1.062, 1.946]	0.019
Detroit Metro	0.95	[0.688, 1.321]	0.773	0.83	[0.615, 1.131]	0.242
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	1.53	[1.178, 1.983]	0.001	1.57	[1.233, 2.009]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.77	[1.196, 2.627]	0.004	1.66	[1.151, 2.403]	0.007
Mental health condition	1.22	[0.948, 1.560]	0.124	1.20	[0.950, 1.520]	0.125
Substance use disorder	0.89	[0.512, 1.547]	0.678	0.92	[0.562, 1.514]	0.750
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.21	[0.952, 1.538]	0.120	1.18	[0.943, 1.481]	0.148
Bachelor's/Post graduate degree	1.52	[1.061, 2.186]	0.023	1.53	[1.085, 2.146]	0.015
Any HRA record (DW)						
No					Reference	
Yes				1.16	[0.935, 1.441]	0.177
Any primary care visit (DW)						
No					Reference	
Yes				2.02	[1.398, 2.922]	0.000
Constant	0.20	[0.115, 0.340]	0.000	0.18	[0.109, 0.303]	0.000
N	2,174			2,514		
F-value	5.122			5.640		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	2,162.0			2,502.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.14 Any pneumonia vaccine (DW)

5.14.1 Any pneumonia vaccine (DW) by selected characteristics

	Any pneumonia vaccine (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	1.6	[0.9, 2.6]	98.4	[97.4, 99.1]	100.0
36-49 (n=696)	6.1	[4.1, 8.9]	93.9	[91.1, 95.9]	100.0
50-64 (n=870)	11.4	[9.2, 14.2]	88.6	[85.8, 90.8]	100.0
Pearson: Uncorrected chi2(2) =	87.2046				
Design-based F(1.98, 5122.71) =	30.2303	Pr =	0.000		
Gender					
Male (n=1,055)	5.2	[3.9, 6.9]	94.8	[93.1, 96.1]	100.0
Female (n=1,547)	4.9	[3.8, 6.2]	95.1	[93.8, 96.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1076				
Design-based F(1.00, 2590.00) =	0.0830	Pr =	0.773		
Race/ethnicity					
White, non-Hispanic (n=1,696)	5.7	[4.6, 7.1]	94.3	[92.9, 95.4]	100.0
Black, non-Hispanic (n=422)	4.1	[2.5, 6.8]	95.9	[93.2, 97.5]	100.0
Hispanic (n=169)	5.1	[2.3, 10.6]	94.9	[89.4, 97.7]	100.0
Other, non-Hispanic (n=248)	3.9	[1.8, 8.4]	96.1	[91.6, 98.2]	100.0
Pearson: Uncorrected chi2(3) =	3.3024				
Design-based F(2.94, 7414.52) =	0.6726	Pr =	0.566		
FPL category					
0-35% (n=960)	6.0	[4.6, 7.8]	94.0	[92.2, 95.4]	100.0
36-99% (n=947)	3.6	[2.7, 4.9]	96.4	[95.1, 97.3]	100.0
100%+ (n=695)	4.3	[3.0, 6.1]	95.7	[93.9, 97.0]	100.0
Pearson: Uncorrected chi2(2) =	6.1635				
Design-based F(1.92, 4963.33) =	3.6029	Pr =	0.029		
Region					
UP/NW/NE (n=518)	8.2	[6.1, 10.9]	91.8	[89.1, 93.9]	100.0
W/E Central/E (n=770)	4.9	[3.5, 6.8]	95.1	[93.2, 96.5]	100.0
S Central/SW/SE (n=523)	7.2	[5.0, 10.3]	92.8	[89.7, 95.0]	100.0
Detroit Metro (n=791)	3.5	[2.3, 5.3]	96.5	[94.7, 97.7]	100.0
Pearson: Uncorrected chi2(3) =	15.8887				
Design-based F(2.58, 6694.91) =	4.6291	Pr =	0.005		
Chronic condition (2018 survey or DW)					
No (n=958)	0.7	[0.3, 1.9]	99.3	[98.1, 99.7]	100.0
Yes (n=1,644)	7.9	[6.5, 9.5]	92.1	[90.5, 93.5]	100.0
Pearson: Uncorrected chi2(1) =	66.7501				
Design-based F(1.00, 2590.00) =	39.9226	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	3.3	[2.4, 4.5]	96.7	[95.5, 97.6]	100.0
Mental health condition and substance use disorder (n=301)	10.3	[6.6, 15.6]	89.7	[84.4, 93.4]	100.0
Mental health condition (n=944)	5.4	[4.0, 7.3]	94.6	[92.7, 96.0]	100.0
Substance use disorder (n=100)	6.8	[3.3, 13.6]	93.2	[86.4, 96.7]	100.0
Pearson: Uncorrected chi2(3) =	28.3946				
Design-based F(2.86, 7420.22) =	7.5075	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	5.2	[4.0, 6.7]	94.8	[93.3, 96.0]	100.0
Associate's degree/Some college (n=1,003)	5.0	[3.6, 6.9]	95.0	[93.1, 96.4]	100.0
Bachelor's/Post graduate degree (n=338)	4.5	[2.6, 7.7]	95.5	[92.3, 97.4]	100.0
Pearson: Uncorrected chi2(2) =	0.2092				
Design-based F(1.98, 5103.98) =	0.0832	Pr =	0.918		
Total (n=2,602)	5.0	[4.1, 6.1]	95.0	[93.9, 95.9]	100.0

Note: χ^2 test of independence.

5.14.2 Any pneumonia vaccine (DW) by selected characteristics (continued)

	Any pneumonia vaccine (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	3.2	[2.2, 4.5]	96.8	[95.5, 97.8]	100.0
No (n=1,845)	5.7	[4.6, 7.1]	94.3	[92.9, 95.4]	100.0
Pearson: Uncorrected chi2(1) =	6.9819				
Design-based F(1.00, 2579.00) =	7.8993	Pr =	0.005		
Homeless in last 12 months					
Yes (n=155)	4.8	[2.6, 8.9]	95.2	[91.1, 97.4]	100.0
No (n=2,444)	5.0	[4.1, 6.1]	95.0	[93.9, 95.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0157				
Design-based F(1.00, 2587.00) =	0.0144	Pr =	0.904		
Need help reading written materials					
Sometimes/Often/Always (n=403)	7.0	[4.5, 10.8]	93.0	[89.2, 95.5]	100.0
Never/Rarely (n=2,193)	4.6	[3.7, 5.7]	95.4	[94.3, 96.3]	100.0
Pearson: Uncorrected chi2(1) =	4.2594				
Design-based F(1.00, 2584.00) =	2.7665	Pr =	0.096		
Health status					
Excellent/Very good/Good (n=1,948)	3.3	[2.5, 4.4]	96.7	[95.6, 97.5]	100.0
Fair/Poor (n=654)	10.2	[7.8, 13.2]	89.8	[86.8, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	47.4751				
Design-based F(1.00, 2590.00) =	36.2578	Pr =	0.000		
May get reduction by completing HRA					
Yes (n=825)	4.5	[3.1, 6.5]	95.5	[93.5, 96.9]	100.0
No/Don't know (n=1,776)	5.2	[4.2, 6.5]	94.8	[93.5, 95.8]	100.0
Pearson: Uncorrected chi2(1) =	0.6756				
Design-based F(1.00, 2589.00) =	0.5097	Pr =	0.475		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	6.1	[4.9, 7.5]	93.9	[92.5, 95.1]	100.0
No/Don't know (n=785)	2.9	[2.0, 4.3]	97.1	[95.7, 98.0]	100.0
Pearson: Uncorrected chi2(1) =	12.0984				
Design-based F(1.00, 2590.00) =	10.6822	Pr =	0.001		
Discussed HRA with provider					
Yes (n=1,208)	7.3	[5.7, 9.3]	92.7	[90.7, 94.3]	100.0
No/Don't know (n=1,392)	3.3	[2.4, 4.4]	96.7	[95.6, 97.6]	100.0
Pearson: Uncorrected chi2(1) =	22.1355				
Design-based F(1.00, 2588.00) =	17.4000	Pr =	0.000		
Any HRA record (DW)					
Yes (n=1,235)	5.1	[3.9, 6.6]	94.9	[93.4, 96.1]	100.0
No (n=1,367)	4.9	[3.7, 6.5]	95.1	[93.5, 96.3]	100.0
Pearson: Uncorrected chi2(1) =	0.0473				
Design-based F(1.00, 2590.00) =	0.0368	Pr =	0.848		
PCP visit in past 12 months					
Yes (n=1,952)	6.7	[5.5, 8.2]	93.3	[91.8, 94.5]	100.0
No (n=298)	1.2	[0.5, 2.8]	98.8	[97.2, 99.5]	100.0
Pearson: Uncorrected chi2(1) =	17.1596				
Design-based F(1.00, 2238.00) =	20.1029	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	5.8	[4.8, 7.1]	94.2	[92.9, 95.2]	100.0
No (n=369)	1.3	[0.5, 3.3]	98.7	[96.7, 99.5]	100.0
Pearson: Uncorrected chi2(1) =	16.2823				
Design-based F(1.00, 2590.00) =	12.1604	Pr =	0.000		
Total (n=2,602)	5.0	[4.1, 6.1]	95.0	[93.9, 95.9]	100.0

Note: χ^2 test of independence.

5.14.3 Predictors of any pneumonia vaccine (DW)

	Any pneumonia vaccine (DW)			Any pneumonia vaccine (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	0.54	[0.345, 0.849]	0.008	0.53	[0.335, 0.828]	0.006
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.63	[0.285, 1.387]	0.250	0.55	[0.256, 1.195]	0.132
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.14	[0.650, 2.004]	0.645	1.19	[0.683, 2.080]	0.537
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.55	[0.354, 0.867]	0.010	0.55	[0.354, 0.847]	0.007
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.65	[0.389, 1.081]	0.097	0.80	[0.502, 1.268]	0.340
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.69	[1.043, 2.752]	0.033	1.88	[1.149, 3.080]	0.012
Discussed HRA with provider						
No/Don't know		Reference				
Yes	1.39	[0.877, 2.212]	0.161			
PCP visit in past 12 months						
No		Reference				
Yes	2.26	[0.897, 5.672]	0.084			
Age						
19-35		Reference			Reference	
36-49	2.12	[1.080, 4.176]	0.029	2.67	[1.364, 5.242]	0.004
50-64	3.08	[1.669, 5.671]	0.000	4.37	[2.462, 7.757]	0.000
Gender						
Male		Reference			Reference	
Female	0.87	[0.541, 1.408]	0.577	0.91	[0.565, 1.482]	0.717
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.07	[0.556, 2.054]	0.842	1.00	[0.527, 1.904]	0.997
Hispanic	1.31	[0.529, 3.244]	0.560	1.33	[0.560, 3.181]	0.515
Other, non-Hispanic	0.97	[0.430, 2.200]	0.946	0.96	[0.424, 2.190]	0.929
FPL category						
0-35%		Reference			Reference	
36-99%	0.94	[0.577, 1.537]	0.811	0.91	[0.568, 1.463]	0.701
100%+	1.11	[0.651, 1.878]	0.710	1.05	[0.623, 1.766]	0.857
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.61	[0.359, 1.034]	0.066	0.61	[0.364, 1.025]	0.062
S Central/SW/SE	1.09	[0.623, 1.922]	0.754	0.98	[0.560, 1.719]	0.947
Detroit Metro	0.49	[0.264, 0.903]	0.022	0.48	[0.264, 0.857]	0.013
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	4.48	[1.719, 11.674]	0.002	4.92	[1.830, 13.238]	0.002
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.80	[0.915, 3.560]	0.089	1.59	[0.813, 3.108]	0.176
Mental health condition	1.03	[0.607, 1.757]	0.906	1.03	[0.613, 1.719]	0.920
Substance use disorder	1.14	[0.395, 3.268]	0.814	1.08	[0.425, 2.726]	0.876
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.34	[0.853, 2.108]	0.204	1.26	[0.807, 1.977]	0.308
Bachelor's/Post graduate degree	1.02	[0.531, 1.954]	0.957	1.08	[0.578, 2.025]	0.805
Any HRA record (DW)						
No					Reference	
Yes				0.63	[0.394, 1.010]	0.055
Any primary care visit (DW)						
No					Reference	
Yes				3.01	[0.990, 9.143]	0.052
Constant	0.01	[0.002, 0.023]	0.000	0.00	[0.001, 0.018]	0.000
N	2,174			2,514		
F-value	7.341			7.450		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	2,162.0			2,502.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.15 Any statin (DW)

5.15.1 Any statin (DW) by selected characteristics

| | Any statin (DW) | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	1.4	[0.8, 2.5]	98.6	[97.5, 99.2]	100.0
36-49 (n=696)	14.7	[11.8, 18.1]	85.3	[81.9, 88.2]	100.0
50-64 (n=870)	32.8	[29.2, 36.8]	67.2	[63.2, 70.8]	100.0
Pearson: Uncorrected chi2(2) =	389.9849				
Design-based F(1.98, 5137.87) =	145.4943	Pr =	0.000		
Gender					
Male (n=1,055)	13.0	[11.0, 15.3]	87.0	[84.7, 89.0]	100.0
Female (n=1,547)	11.3	[9.6, 13.1]	88.7	[86.9, 90.4]	100.0
Pearson: Uncorrected chi2(1) =	1.8105				
Design-based F(1.00, 2590.00) =	1.5414	Pr =	0.215		
Race/ethnicity					
White, non-Hispanic (n=1,696)	13.7	[11.9, 15.6]	86.3	[84.4, 88.1]	100.0
Black, non-Hispanic (n=422)	10.6	[7.9, 14.0]	89.4	[86.0, 92.1]	100.0
Hispanic (n=169)	8.7	[5.0, 14.5]	91.3	[85.5, 95.0]	100.0
Other, non-Hispanic (n=248)	10.2	[6.7, 15.2]	89.8	[84.8, 93.3]	100.0
Pearson: Uncorrected chi2(3) =	7.5833				
Design-based F(2.98, 7521.18) =	1.8404	Pr =	0.138		
FPL category					
0-35% (n=960)	14.6	[12.5, 17.0]	85.4	[83.0, 87.5]	100.0
36-99% (n=947)	9.0	[7.4, 10.9]	91.0	[89.1, 92.6]	100.0
100%+ (n=695)	9.5	[7.6, 11.7]	90.5	[88.3, 92.4]	100.0
Pearson: Uncorrected chi2(2) =	17.9325				
Design-based F(1.92, 4974.05) =	11.0952	Pr =	0.000		
Region					
UP/NW/NE (n=518)	14.3	[11.6, 17.4]	85.7	[82.6, 88.4]	100.0
W/E Central/E (n=770)	15.6	[13.1, 18.5]	84.4	[81.5, 86.9]	100.0
S Central/SW/SE (n=523)	10.0	[7.7, 12.8]	90.0	[87.2, 92.3]	100.0
Detroit Metro (n=791)	10.5	[8.5, 13.0]	89.5	[87.0, 91.5]	100.0
Pearson: Uncorrected chi2(3) =	14.1056				
Design-based F(2.63, 6809.99) =	4.9139	Pr =	0.003		
Chronic condition (2018 survey or DW)					
No (n=958)	1.4	[0.8, 2.3]	98.6	[97.7, 99.2]	100.0
Yes (n=1,644)	19.4	[17.3, 21.7]	80.6	[78.3, 82.7]	100.0
Pearson: Uncorrected chi2(1) =	190.0226				
Design-based F(1.00, 2590.00) =	197.7349	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	8.9	[7.4, 10.6]	91.1	[89.4, 92.6]	100.0
Mental health condition and substance use disorder (n=301)	13.6	[9.7, 18.6]	86.4	[81.4, 90.3]	100.0
Mental health condition (n=944)	16.2	[13.7, 19.1]	83.8	[80.9, 86.3]	100.0
Substance use disorder (n=100)	14.9	[9.0, 23.5]	85.1	[76.5, 91.0]	100.0
Pearson: Uncorrected chi2(3) =	27.7223				
Design-based F(2.97, 7685.16) =	7.7200	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	14.9	[12.9, 17.2]	85.1	[82.8, 87.1]	100.0
Associate's degree/Some college (n=1,003)	9.9	[8.0, 12.2]	90.1	[87.8, 92.0]	100.0
Bachelor's/Post graduate degree (n=338)	8.7	[6.1, 12.1]	91.3	[87.9, 93.9]	100.0
Pearson: Uncorrected chi2(2) =	17.0071				
Design-based F(1.95, 5029.10) =	7.7556	Pr =	0.000		
Total (n=2,602)	12.1	[10.8, 13.6]	87.9	[86.4, 89.2]	100.0

Note: χ^2 test of independence.

5.15.2 Any statin (DW) by selected characteristics (continued)

	Any statin (DW)				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=746)	10.4	[8.3, 13.0]	89.6	[87.0, 91.7]	100.0
No (n=1,845)	12.8	[11.2, 14.6]	87.2	[85.4, 88.8]	100.0
Pearson: Uncorrected chi2(1) =	2.6930				
Design-based F(1.00, 2579.00) =	2.4800	Pr =	0.115		
Homeless in last 12 months					
Yes (n=155)	12.3	[7.9, 18.7]	87.7	[81.3, 92.1]	100.0
No (n=2,444)	12.1	[10.7, 13.5]	87.9	[86.5, 89.3]	100.0
Pearson: Uncorrected chi2(1) =	0.0129				
Design-based F(1.00, 2587.00) =	0.0093	Pr =	0.923		
Need help reading written materials					
Sometimes/Often/Always (n=403)	19.7	[15.6, 24.6]	80.3	[75.4, 84.4]	100.0
Never/Rarely (n=2,193)	10.6	[9.3, 12.1]	89.4	[87.9, 90.7]	100.0
Pearson: Uncorrected chi2(1) =	27.3414				
Design-based F(1.00, 2584.00) =	20.4655	Pr =	0.000		
Health status					
Excellent/Very good/Good (n=1,948)	9.1	[7.8, 10.5]	90.9	[89.5, 92.2]	100.0
Fair/Poor (n=654)	21.6	[18.2, 25.4]	78.4	[74.6, 81.8]	100.0
Pearson: Uncorrected chi2(1) =	70.6084				
Design-based F(1.00, 2590.00) =	57.7846	Pr =	0.000		
May get reduction by completing HRA					
Yes (n=825)	11.6	[9.3, 14.3]	88.4	[85.7, 90.7]	100.0
No/Don't know (n=1,776)	12.4	[10.8, 14.1]	87.6	[85.9, 89.2]	100.0
Pearson: Uncorrected chi2(1) =	0.3189				
Design-based F(1.00, 2589.00) =	0.2637	Pr =	0.608		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=1,817)	13.6	[12.0, 15.5]	86.4	[84.5, 88.0]	100.0
No/Don't know (n=785)	9.2	[7.3, 11.5]	90.8	[88.5, 92.7]	100.0
Pearson: Uncorrected chi2(1) =	10.7711				
Design-based F(1.00, 2590.00) =	8.9436	Pr =	0.003		
Total (n=2,602)	12.1	[10.8, 13.6]	87.9	[86.4, 89.2]	100.0

Note: χ^2 test of independence.

5.15.3 Any statin (DW) by selected characteristics (continued)

	Any statin (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Discussed HRA with provider					
Yes (n=1,208)	17.4	[15.1, 20.0]	82.6	[80.0, 84.9]	100.0
No/Don't know (n=1,392)	8.1	[6.7, 9.8]	91.9	[90.2, 93.3]	100.0
Pearson: Uncorrected chi2(1) =	52.1462				
Design-based F(1.00, 2588.00) =	42.7415	Pr =	0.000		
Any HRA record (DW)					
Yes (n=1,235)	17.3	[15.0, 19.9]	82.7	[80.1, 85.0]	100.0
No (n=1,367)	7.9	[6.5, 9.5]	92.1	[90.5, 93.5]	100.0
Pearson: Uncorrected chi2(1) =	53.3679				
Design-based F(1.00, 2590.00) =	45.1696	Pr =	0.000		
PCP visit in past 12 months					
Yes (n=1,952)	16.5	[14.7, 18.5]	83.5	[81.5, 85.3]	100.0
No (n=298)	1.7	[0.8, 3.6]	98.3	[96.4, 99.2]	100.0
Pearson: Uncorrected chi2(1) =	56.3849				
Design-based F(1.00, 2238.00) =	59.9491	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	14.4	[12.9, 16.1]	85.6	[83.9, 87.1]	100.0
No (n=369)	1.7	[0.8, 3.6]	98.3	[96.4, 99.2]	100.0
Pearson: Uncorrected chi2(1) =	58.4771				
Design-based F(1.00, 2590.00) =	51.4728	Pr =	0.000		
Smoked or used tobacco in last 30 days					
Yes (n=855)	13.3	[11.1, 15.9]	86.7	[84.1, 88.9]	100.0
No (n=1,745)	11.5	[10.0, 13.3]	88.5	[86.7, 90.0]	100.0
Pearson: Uncorrected chi2(1) =	1.7166				
Design-based F(1.00, 2588.00) =	1.4183	Pr =	0.234		
Total (n=2,602)	12.1	[10.8, 13.6]	87.9	[86.4, 89.2]	100.0

Note: χ^2 test of independence.

5.15.4 Predictors of any statin (DW)

	Any statin (DW)				Any statin (DW)		
	aOR	95% CI	p-value	‖	aOR	95% CI	p-value
Knowledge that routine dental care is covered							
No/Don't know		Reference				Reference	
Yes	1.30	[0.907, 1.865]	0.153		1.20	[0.834, 1.719]	0.329
Caregiver							
No		Reference				Reference	
Yes	0.73	[0.518, 1.016]	0.061		0.72	[0.519, 1.003]	0.052
Homeless in last 12 months							
No		Reference				Reference	
Yes	1.11	[0.582, 2.106]	0.757		1.00	[0.549, 1.837]	0.989
Need help reading written materials							
Never/Rarely		Reference				Reference	
Sometimes/Often/Always	1.53	[1.028, 2.263]	0.036		1.60	[1.087, 2.366]	0.017
Health status							
Fair/Poor		Reference				Reference	
Excellent/Very good/Good	0.82	[0.579, 1.153]	0.251		0.79	[0.568, 1.105]	0.170
May get reduction by completing HRA							
No/Don't know		Reference				Reference	
Yes	0.82	[0.575, 1.159]	0.256		0.83	[0.586, 1.163]	0.274
Some kinds of visits, tests, and medicines have no copays							
No/Don't know		Reference				Reference	
Yes	1.35	[0.951, 1.916]	0.093		1.36	[0.969, 1.907]	0.076
Smoked or used tobacco in last 30 days							
No		Reference				Reference	
Yes	1.02	[0.731, 1.430]	0.895		0.99	[0.710, 1.369]	0.933
Discussed HRA with provider							
No/Don't know		Reference					
Yes	1.14	[0.820, 1.580]	0.438				
PCP visit in past 12 months							
No		Reference					
Yes	5.41	[2.424, 12.056]	0.000				
Age							
19-35		Reference				Reference	
36-49	7.73	[4.076, 14.675]	0.000		8.32	[4.464, 15.491]	0.000
50-64	17.54	[9.560, 32.192]	0.000		18.44	[10.217, 33.276]	0.000
Gender							
Male		Reference				Reference	
Female	0.58	[0.417, 0.807]	0.001		0.61	[0.445, 0.837]	0.002
Race/ethnicity							
White, non-Hispanic		Reference				Reference	
Black, non-Hispanic	0.80	[0.481, 1.315]	0.372		0.91	[0.550, 1.506]	0.714
Hispanic	0.90	[0.453, 1.792]	0.766		0.80	[0.413, 1.568]	0.523
Other, non-Hispanic	0.82	[0.438, 1.554]	0.551		1.02	[0.553, 1.881]	0.950
FPL category							
0-35%		Reference				Reference	
36-99%	0.93	[0.655, 1.332]	0.708		0.91	[0.642, 1.295]	0.605
100%+	0.92	[0.633, 1.337]	0.662		0.90	[0.622, 1.295]	0.563
Region							
UP/NW/NE		Reference				Reference	
W/E Central/E	1.42	[0.973, 2.079]	0.069		1.47	[1.010, 2.145]	0.045
S Central/SW/SE	0.87	[0.556, 1.352]	0.529		0.81	[0.522, 1.255]	0.345
Detroit Metro	1.26	[0.796, 2.005]	0.321		1.08	[0.682, 1.711]	0.742
Chronic condition (2018 survey or DW)							
No		Reference				Reference	
Yes	5.31	[2.923, 9.631]	0.000		6.08	[3.407, 10.836]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)							
None		Reference				Reference	
Mental health condition and substance use disorder	0.65	[0.390, 1.083]	0.098		0.65	[0.398, 1.061]	0.085
Mental health condition	1.43	[0.993, 2.048]	0.055		1.36	[0.955, 1.933]	0.089
Substance use disorder	0.82	[0.387, 1.753]	0.615		0.78	[0.372, 1.633]	0.509
Highest level of education							
High school or less		Reference				Reference	
Associate's degree/Some college	0.67	[0.473, 0.946]	0.023		0.70	[0.502, 0.976]	0.036
Bachelor's/Post graduate degree	0.47	[0.288, 0.778]	0.003		0.45	[0.277, 0.746]	0.002
Any HRA record (DW)							
No						Reference	
Yes					1.25	[0.905, 1.738]	0.173
Any primary care visit (DW)							
No						Reference	
Yes					6.33	[2.742, 14.607]	0.000
Constant	0.00	[0.000, 0.004]	0.000		0.00	[0.000, 0.003]	0.000
N	2,174				2,512		
F-value	11.037				12.114		
Model degrees of freedom	27.0				27.0		
Residual degrees of freedom	2,162.0				2,500.0		
F-value significance	0.000				0.000		

Notes: Multiple logistic regression.

5.16 Any NRT/Varenicline (DW)

5.16.1 Any NRT/Varenicline (DW) by selected characteristics, among enrollees who reported smoking or using tobacco in the last 30 days

	Any NRT/Varenicline (DW)				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=272)	9.5	[6.0, 14.7]	90.5	[85.3, 94.0]	100.0
36-49 (n=273)	22.9	[17.6, 29.2]	77.1	[70.8, 82.4]	100.0
50-64 (n=310)	26.9	[21.2, 33.4]	73.1	[66.6, 78.8]	100.0
Pearson: Uncorrected chi2(2) =	102.2087				
Design-based F(1.92, 4971.17) =	11.2339	Pr =	0.000		
Gender					
Male (n=419)	13.7	[10.1, 18.2]	86.3	[81.8, 89.9]	100.0
Female (n=436)	25.4	[20.9, 30.4]	74.6	[69.6, 79.1]	100.0
Pearson: Uncorrected chi2(1) =	56.5948				
Design-based F(1.00, 2590.00) =	13.0194	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=600)	20.0	[16.4, 24.2]	80.0	[75.8, 83.6]	100.0
Black, non-Hispanic (n=132)	15.7	[10.1, 23.4]	84.3	[76.6, 89.9]	100.0
Hispanic (n=42)	16.5	[7.5, 32.6]	83.5	[67.4, 92.5]	100.0
Other, non-Hispanic (n=62)	13.4	[6.3, 26.3]	86.6	[73.7, 93.7]	100.0
Pearson: Uncorrected chi2(3) =	10.1407				
Design-based F(2.97, 7635.00) =	0.7306	Pr =	0.532		
FPL category					
0-35% (n=390)	17.7	[13.7, 22.5]	82.3	[77.5, 86.3]	100.0
36-99% (n=275)	20.2	[15.6, 25.6]	79.8	[74.4, 84.4]	100.0
100%+ (n=190)	17.0	[12.2, 23.2]	83.0	[76.8, 87.8]	100.0
Pearson: Uncorrected chi2(2) =	2.1161				
Design-based F(1.90, 4910.15) =	0.3695	Pr =	0.680		
Region					
UP/NW/NE (n=188)	25.8	[19.7, 33.0]	74.2	[67.0, 80.3]	100.0
W/E Central/E (n=271)	18.0	[13.7, 23.4]	82.0	[76.6, 86.3]	100.0
S Central/SW/SE (n=169)	17.7	[12.3, 24.8]	82.3	[75.2, 87.7]	100.0
Detroit Metro (n=227)	16.6	[11.6, 23.1]	83.4	[76.9, 88.4]	100.0
Pearson: Uncorrected chi2(3) =	11.9266				
Design-based F(2.58, 6693.75) =	1.1423	Pr =	0.327		
Chronic condition (2018 survey or DW)					
No (n=259)	8.0	[5.4, 11.6]	92.0	[88.4, 94.6]	100.0
Yes (n=596)	23.4	[19.4, 27.9]	76.6	[72.1, 80.6]	100.0
Pearson: Uncorrected chi2(1) =	93.8033				
Design-based F(1.00, 2590.00) =	29.3876	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=337)	14.1	[9.9, 19.6]	85.9	[80.4, 90.1]	100.0
Mental health condition and substance use disorder (n=189)	26.3	[19.5, 34.6]	73.7	[65.4, 80.5]	100.0
Mental health condition (n=271)	19.6	[15.1, 25.2]	80.4	[74.8, 84.9]	100.0
Substance use disorder (n=58)	7.3	[3.1, 16.2]	92.7	[83.8, 96.9]	100.0
Pearson: Uncorrected chi2(3) =	53.8001				
Design-based F(2.75, 7109.88) =	4.8579	Pr =	0.003		
Highest level of education					
High school or less (n=516)	17.1	[13.7, 21.1]	82.9	[78.9, 86.3]	100.0
Associate's degree/Some college (n=294)	20.1	[14.8, 26.7]	79.9	[73.3, 85.2]	100.0
Bachelor's/Post graduate degree (n=44)	16.7	[8.2, 30.9]	83.3	[69.1, 91.8]	100.0
Pearson: Uncorrected chi2(2) =	3.5587				
Design-based F(1.90, 4920.10) =	0.4608	Pr =	0.621		
Total (n=855)	18.1	[15.2, 21.4]	81.9	[78.6, 84.8]	100.0

Note: χ^2 test of independence.

5.16.2   Any NRT/Varenicline (DW) by selected characteristics, among enrollees who reported smoking or using tobacco in the last 30 days (continued)

| | Any NRT/Varenicline (DW) | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Caregiver					
Yes (n=264)	20.3	[15.4, 26.2]	79.7	[73.8, 84.6]	100.0
No (n=589)	17.2	[13.8, 21.4]	82.8	[78.6, 86.2]	100.0
Pearson: Uncorrected chi2(1) =	3.3447				
Design-based F(1.00, 2588.00) =	0.8608	Pr =	0.354		
Homeless in last 12 months					
Yes (n=87)	15.9	[9.2, 25.9]	84.1	[74.1, 90.8]	100.0
No (n=767)	18.3	[15.2, 21.9]	81.7	[78.1, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	1.3132				
Design-based F(1.00, 2589.00) =	0.2757	Pr =	0.600		
Need help reading written materials					
Sometimes/Often/Always (n=151)	24.8	[17.6, 33.8]	75.2	[66.2, 82.4]	100.0
Never/Rarely (n=701)	16.6	[13.5, 20.2]	83.4	[79.8, 86.5]	100.0
Pearson: Uncorrected chi2(1) =	17.3711				
Design-based F(1.00, 2587.00) =	4.0588	Pr =	0.044		
Health status					
Excellent/Very good/Good (n=567)	14.9	[11.7, 18.7]	85.1	[81.3, 88.3]	100.0
Fair/Poor (n=288)	25.1	[19.6, 31.6]	74.9	[68.4, 80.4]	100.0
Pearson: Uncorrected chi2(1) =	39.8728				
Design-based F(1.00, 2590.00) =	9.3796	Pr =	0.002		
May get reduction by completing HRA					
Yes (n=230)	16.7	[11.9, 23.0]	83.3	[77.0, 88.1]	100.0
No/Don't know (n=625)	18.6	[15.2, 22.6]	81.4	[77.4, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	1.1605				
Design-based F(1.00, 2590.00) =	0.2967	Pr =	0.586		
Some kinds of visits, tests, and medicines have no copays					
Yes (n=592)	19.0	[15.5, 23.1]	81.0	[76.9, 84.5]	100.0
No/Don't know (n=263)	16.4	[11.8, 22.4]	83.6	[77.6, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	2.6813				
Design-based F(1.00, 2590.00) =	0.5919	Pr =	0.442		
Discussed HRA with provider					
Yes (n=400)	21.8	[17.3, 27.0]	78.2	[73.0, 82.7]	100.0
No/Don't know (n=454)	15.5	[11.8, 19.9]	84.5	[80.1, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	17.0839				
Design-based F(1.00, 2589.00) =	3.9122	Pr =	0.048		
Any HRA record (DW)					
Yes (n=381)	20.0	[15.7, 25.1]	80.0	[74.9, 84.3]	100.0
No (n=474)	16.8	[13.0, 21.3]	83.2	[78.7, 87.0]	100.0
Pearson: Uncorrected chi2(1) =	4.3405				
Design-based F(1.00, 2590.00) =	1.0036	Pr =	0.317		
PCP visit in past 12 months					
Yes (n=601)	26.3	[22.1, 30.9]	73.7	[69.1, 77.9]	100.0
No (n=110)	5.1	[2.6, 9.7]	94.9	[90.3, 97.4]	100.0
Pearson: Uncorrected chi2(1) =	114.6534				
Design-based F(1.00, 2446.00) =	33.1960	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=701)	22.9	[19.3, 27.0]	77.1	[73.0, 80.7]	100.0
No (n=154)	2.1	[0.9, 4.4]	97.9	[95.6, 99.1]	100.0
Pearson: Uncorrected chi2(1) =	135.6294				
Design-based F(1.00, 2590.00) =	65.9708	Pr =	0.000		
Total (n=855)	18.1	[15.2, 21.4]	81.9	[78.6, 84.8]	100.0

Note: χ^2 test of independence.

5.16.3 Predictors of any NRT/Varenicline (DW), among enrollees who reported smoking or using tobacco in the last 30 days

	Any NRT/Varenicline (DW)			Any NRT/Varenicline (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Caregiver						
No		Reference			Reference	
Yes	1.28	[0.799, 2.065]	0.300	1.34	[0.843, 2.122]	0.217
Homeless in last 12 months						
No		Reference			Reference	
Yes	1.27	[0.625, 2.564]	0.511	1.12	[0.566, 2.214]	0.746
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.71	[0.987, 2.959]	0.056	1.57	[0.934, 2.626]	0.089
Health status						
Fair/Poor		Reference			Reference	
Excellent/Very good/Good	0.86	[0.537, 1.384]	0.539	0.90	[0.569, 1.418]	0.644
May get reduction by completing HRA						
No/Don't know		Reference			Reference	
Yes	0.91	[0.552, 1.492]	0.701	0.75	[0.471, 1.200]	0.231
Some kinds of visits, tests, and medicines have no copays						
No/Don't know		Reference			Reference	
Yes	1.24	[0.753, 2.038]	0.399	1.22	[0.755, 1.967]	0.418
Discussed HRA with provider						
No/Don't know		Reference				
Yes	0.74	[0.459, 1.202]	0.226			
PCP visit in past 12 months						
No		Reference				
Yes	4.35	[1.932, 9.798]	0.000			
Age						
19-35		Reference			Reference	
36-49	2.19	[1.115, 4.298]	0.023	2.88	[1.532, 5.402]	0.001
50-64	2.40	[1.148, 5.024]	0.020	2.89	[1.473, 5.655]	0.002
Gender						
Male		Reference			Reference	
Female	1.35	[0.835, 2.185]	0.219	1.37	[0.874, 2.144]	0.171
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.03	[0.481, 2.203]	0.939	0.98	[0.473, 2.022]	0.952
Hispanic	1.68	[0.641, 4.396]	0.291	1.30	[0.539, 3.142]	0.558
Other, non-Hispanic	0.72	[0.274, 1.876]	0.498	0.72	[0.281, 1.849]	0.496
FPL category						
0-35%		Reference			Reference	
36-99%	1.46	[0.847, 2.506]	0.173	1.41	[0.837, 2.364]	0.198
100%+	1.23	[0.680, 2.232]	0.490	1.32	[0.746, 2.327]	0.342
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.70	[0.394, 1.260]	0.238	0.67	[0.390, 1.167]	0.159
S Central/SW/SE	0.69	[0.351, 1.355]	0.281	0.72	[0.380, 1.349]	0.301
Detroit Metro	0.86	[0.423, 1.729]	0.663	0.77	[0.396, 1.487]	0.432
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	2.10	[1.106, 3.996]	0.023	1.93	[1.049, 3.540]	0.035
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.65	[0.845, 3.211]	0.142	1.65	[0.849, 3.217]	0.139
Mental health condition	0.90	[0.497, 1.617]	0.715	0.89	[0.502, 1.592]	0.702
Substance use disorder	0.28	[0.091, 0.887]	0.030	0.35	[0.120, 1.006]	0.051
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.35	[0.822, 2.217]	0.236	1.20	[0.740, 1.932]	0.465
Bachelor's/Post graduate degree	1.03	[0.383, 2.776]	0.951	1.01	[0.394, 2.577]	0.987
Any HRA record (DW)						
No					Reference	
Yes				0.92	[0.587, 1.445]	0.721
Any primary care visit (DW)						
No					Reference	
Yes				10.50	[4.397, 25.065]	0.000
Constant	0.02	[0.006, 0.056]	0.000	0.01	[0.002, 0.022]	0.000
N	692			831		
F-value	3.739			4.647		
Model degrees of freedom	25.0			25.0		
Residual degrees of freedom	680.0			819.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.17 Any other dental visit (DW)

5.17.1 Any other dental visit (DW) by selected characteristics

	Any other dental visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	39.0	[35.5, 42.7]	61.0	[57.3, 64.5]	100.0
36-49 (n=696)	45.9	[41.3, 50.6]	54.1	[49.4, 58.7]	100.0
50-64 (n=870)	39.5	[35.6, 43.5]	60.5	[56.5, 64.4]	100.0
Pearson: Uncorrected chi2(2) =	9.4098				
Design-based F(1.95, 5044.18) =	3.3262	Pr =	0.037		
Gender					
Male (n=1,055)	37.7	[34.1, 41.4]	62.3	[58.6, 65.9]	100.0
Female (n=1,547)	44.3	[41.2, 47.3]	55.7	[52.7, 58.8]	100.0
Pearson: Uncorrected chi2(1) =	11.6769				
Design-based F(1.00, 2590.00) =	7.2778	Pr =	0.007		
Race/ethnicity					
White, non-Hispanic (n=1,696)	40.0	[37.1, 43.0]	60.0	[57.0, 62.9]	100.0
Black, non-Hispanic (n=422)	38.9	[33.4, 44.7]	61.1	[55.3, 66.6]	100.0
Hispanic (n=169)	40.7	[32.2, 49.9]	59.3	[50.1, 67.8]	100.0
Other, non-Hispanic (n=248)	50.5	[43.0, 57.9]	49.5	[42.1, 57.0]	100.0
Pearson: Uncorrected chi2(3) =	13.2861				
Design-based F(2.98, 7510.33) =	2.5450	Pr =	0.055		
FPL category					
0-35% (n=960)	39.5	[35.8, 43.3]	60.5	[56.7, 64.2]	100.0
36-99% (n=947)	45.4	[41.9, 49.0]	54.6	[51.0, 58.1]	100.0
100%+ (n=695)	38.7	[34.7, 42.9]	61.3	[57.1, 65.3]	100.0
Pearson: Uncorrected chi2(2) =	7.9408				
Design-based F(1.89, 4901.16) =	3.3009	Pr =	0.040		
Region					
UP/NW/NE (n=518)	42.9	[38.2, 47.7]	57.1	[52.3, 61.8]	100.0
W/E Central/E (n=770)	41.4	[37.5, 45.5]	58.6	[54.5, 62.5]	100.0
S Central/SW/SE (n=523)	43.4	[38.5, 48.5]	56.6	[51.5, 61.5]	100.0
Detroit Metro (n=791)	39.0	[35.0, 43.2]	61.0	[56.8, 65.0]	100.0
Pearson: Uncorrected chi2(3) =	3.4905				
Design-based F(2.65, 6862.36) =	0.9438	Pr =	0.410		
Chronic condition (2018 survey or DW)					
No (n=958)	38.5	[34.7, 42.4]	61.5	[57.6, 65.3]	100.0
Yes (n=1,644)	42.5	[39.5, 45.6]	57.5	[54.4, 60.5]	100.0
Pearson: Uncorrected chi2(1) =	4.1871				
Design-based F(1.00, 2590.00) =	2.5717	Pr =	0.109		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	37.9	[34.5, 41.4]	62.1	[58.6, 65.5]	100.0
Mental health condition and substance use disorder (n=301)	45.3	[38.5, 52.3]	54.7	[47.7, 61.5]	100.0
Mental health condition (n=944)	44.8	[40.9, 48.8]	55.2	[51.2, 59.1]	100.0
Substance use disorder (n=100)	31.6	[21.8, 43.5]	68.4	[56.5, 78.2]	100.0
Pearson: Uncorrected chi2(3) =	16.5589				
Design-based F(2.99, 7742.25) =	3.5511	Pr =	0.014		
Highest level of education					
High school or less (n=1,252)	41.7	[38.3, 45.3]	58.3	[54.7, 61.7]	100.0
Associate's degree/Some college (n=1,003)	41.3	[37.5, 45.2]	58.7	[54.8, 62.5]	100.0
Bachelor's/Post graduate degree (n=338)	35.9	[30.1, 42.0]	64.1	[58.0, 69.9]	100.0
Pearson: Uncorrected chi2(2) =	3.6935				
Design-based F(1.97, 5090.21) =	1.2585	Pr =	0.284		
Total (n=2,602)	40.9	[38.5, 43.3]	59.1	[56.7, 61.5]	100.0

Note: χ^2 test of independence.

5.17.2 Any other dental visit (DW) by selected characteristics (continued)

	Any other dental visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Employment status					
Full-time employment (n=699)	38.8	[34.2, 43.6]	61.2	[56.4, 65.8]	100.0
Part-time employment (n=811)	43.8	[39.6, 48.1]	56.2	[51.9, 60.4]	100.0
Not employed (n=1,078)	40.5	[36.9, 44.2]	59.5	[55.8, 63.1]	100.0
Pearson: Uncorrected chi2(2) =	3.9285				
Design-based F(1.99, 5119.10) =	1.2408	Pr =	0.289		
Caregiver					
Yes (n=746)	44.6	[40.0, 49.2]	55.4	[50.8, 60.0]	100.0
No (n=1,845)	39.5	[36.8, 42.3]	60.5	[57.7, 63.2]	100.0
Pearson: Uncorrected chi2(1) =	5.3207				
Design-based F(1.00, 2579.00) =	3.3695	Pr =	0.067		
Homeless in last 12 months					
Yes (n=155)	45.2	[36.0, 54.8]	54.8	[45.2, 64.0]	100.0
No (n=2,444)	40.6	[38.1, 43.0]	59.4	[57.0, 61.9]	100.0
Pearson: Uncorrected chi2(1) =	1.7279				
Design-based F(1.00, 2587.00) =	0.8845	Pr =	0.347		
Need help reading written materials					
Sometimes/Often/Always (n=403)	46.4	[40.5, 52.4]	53.6	[47.6, 59.5]	100.0
Never/Rarely (n=2,193)	39.9	[37.3, 42.5]	60.1	[57.5, 62.7]	100.0
Pearson: Uncorrected chi2(1) =	6.2332				
Design-based F(1.00, 2584.00) =	3.9100	Pr =	0.048		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	40.6	[37.5, 43.8]	59.4	[56.2, 62.5]	100.0
Uninsured all 12 months/Don't know (n=1,140)	41.3	[37.7, 44.9]	58.7	[55.1, 62.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1200				
Design-based F(1.00, 2590.00) =	0.0752	Pr =	0.784		
Forgone dental care in 12 months prior to HMP					
Yes (n=958)	48.0	[44.0, 52.0]	52.0	[48.0, 56.0]	100.0
No (n=1,628)	37.2	[34.2, 40.2]	62.8	[59.8, 65.8]	100.0
Pearson: Uncorrected chi2(1) =	28.9072				
Design-based F(1.00, 2574.00) =	18.2594	Pr =	0.000		
Knowledge that routine dental care is covered					
Yes (n=2,031)	47.2	[44.5, 50.0]	52.8	[50.0, 55.5]	100.0
No/Don't know (n=570)	18.9	[15.0, 23.6]	81.1	[76.4, 85.0]	100.0
Pearson: Uncorrected chi2(1) =	149.3032				
Design-based F(1.00, 2589.00) =	83.8488	Pr =	0.000		
Total (n=2,602)	40.9	[38.5, 43.3]	59.1	[56.7, 61.5]	100.0

Note: χ^2 test of independence.

5.17.3 Predictors of any other dental visit (DW)

	Any other dental visit (DW)		
	aOR	95% CI	p-value
Employment status			
Not employed		Reference	
Full-time employment	0.94	[0.685, 1.284]	0.688
Part-time employment	1.10	[0.841, 1.438]	0.486
Caregiver			
No		Reference	
Yes	1.15	[0.902, 1.464]	0.259
Homeless in last 12 months			
No		Reference	
Yes	1.20	[0.773, 1.855]	0.419
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.43	[1.057, 1.921]	0.020
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.04	[0.828, 1.308]	0.734
Forgone dental care in 12 months prior to HMP			
No		Reference	
Yes	1.55	[1.242, 1.938]	0.000
Knowledge that routine dental care is covered			
No/Don't know		Reference	
Yes	3.97	[2.888, 5.470]	0.000
Age			
19-35		Reference	
36-49	1.26	[0.952, 1.668]	0.106
50-64	1.02	[0.770, 1.352]	0.891
Gender			
Male		Reference	
Female	1.26	[1.006, 1.577]	0.045
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.02	[0.732, 1.418]	0.912
Hispanic	1.07	[0.706, 1.609]	0.762
Other, non-Hispanic	1.86	[1.267, 2.731]	0.002
FPL category			
0-35%		Reference	
36-99%	1.30	[1.002, 1.691]	0.048
100%+	0.98	[0.731, 1.306]	0.877
Region			
UP/NW/NE		Reference	
W/E Central/E	0.92	[0.697, 1.203]	0.526
S Central/SW/SE	1.03	[0.757, 1.394]	0.863
Detroit Metro	0.86	[0.625, 1.172]	0.331
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.05	[0.813, 1.347]	0.723
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.24	[0.870, 1.772]	0.232
Mental health condition	1.19	[0.939, 1.516]	0.149
Substance use disorder	0.76	[0.417, 1.371]	0.357
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.91	[0.719, 1.161]	0.460
Bachelor's/Post graduate degree	0.72	[0.520, 0.998]	0.049
Constant	0.13	[0.075, 0.219]	0.000
N	2,492		
F-value	4.630		
Model degrees of freedom	25.0		
Residual degrees of freedom	2,480.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.18 Any dental visit (DW)

5.18.1 Any dental visit (DW) by selected characteristics

| | Any dental visit (DW) | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	49.3	[45.5, 53.0]	50.7	[47.0, 54.5]	100.0
36-49 (n=696)	50.8	[46.1, 55.4]	49.2	[44.6, 53.9]	100.0
50-64 (n=870)	44.0	[40.0, 48.1]	56.0	[51.9, 60.0]	100.0
Pearson: Uncorrected chi2(2) =	6.6305				
Design-based F(1.94, 5035.82) =	2.3173	Pr =	0.100		
Gender					
Male (n=1,055)	44.8	[41.1, 48.6]	55.2	[51.4, 58.9]	100.0
Female (n=1,547)	52.1	[49.1, 55.2]	47.9	[44.8, 50.9]	100.0
Pearson: Uncorrected chi2(1) =	13.9205				
Design-based F(1.00, 2590.00) =	8.5748	Pr =	0.003		
Race/ethnicity					
White, non-Hispanic (n=1,696)	47.9	[44.9, 50.9]	52.1	[49.1, 55.1]	100.0
Black, non-Hispanic (n=422)	45.0	[39.2, 50.9]	55.0	[49.1, 60.8]	100.0
Hispanic (n=169)	47.3	[38.4, 56.4]	52.7	[43.6, 61.6]	100.0
Other, non-Hispanic (n=248)	56.5	[48.9, 63.8]	43.5	[36.2, 51.1]	100.0
Pearson: Uncorrected chi2(3) =	11.1278				
Design-based F(2.97, 7503.31) =	2.1060	Pr =	0.098		
FPL category					
0-35% (n=960)	46.7	[42.9, 50.6]	53.3	[49.4, 57.1]	100.0
36-99% (n=947)	52.3	[48.8, 55.9]	47.7	[44.1, 51.2]	100.0
100%+ (n=695)	47.9	[43.7, 52.2]	52.1	[47.8, 56.3]	100.0
Pearson: Uncorrected chi2(2) =	5.9865				
Design-based F(1.89, 4899.80) =	2.4526	Pr =	0.089		
Region					
UP/NW/NE (n=518)	49.2	[44.4, 54.1]	50.8	[45.9, 55.6]	100.0
W/E Central/E (n=770)	51.1	[47.1, 55.2]	48.9	[44.8, 52.9]	100.0
S Central/SW/SE (n=523)	48.7	[43.6, 53.7]	51.3	[46.3, 56.4]	100.0
Detroit Metro (n=791)	46.5	[42.3, 50.8]	53.5	[49.2, 57.7]	100.0
Pearson: Uncorrected chi2(3) =	3.7607				
Design-based F(2.64, 6839.55) =	1.0066	Pr =	0.382		
Chronic condition (2018 survey or DW)					
No (n=958)	49.0	[45.0, 53.0]	51.0	[47.0, 55.0]	100.0
Yes (n=1,644)	48.1	[45.0, 51.1]	51.9	[48.9, 55.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2162				
Design-based F(1.00, 2590.00) =	0.1297	Pr =	0.719		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	46.2	[42.7, 49.8]	53.8	[50.2, 57.3]	100.0
Mental health condition and substance use disorder (n=301)	48.3	[41.3, 55.3]	51.7	[44.7, 58.7]	100.0
Mental health condition (n=944)	53.5	[49.5, 57.5]	46.5	[42.5, 50.5]	100.0
Substance use disorder (n=100)	34.6	[24.3, 46.6]	65.4	[53.4, 75.7]	100.0
Pearson: Uncorrected chi2(3) =	19.2200				
Design-based F(2.99, 7745.47) =	4.0569	Pr =	0.007		
Highest level of education					
High school or less (n=1,252)	47.7	[44.2, 51.3]	52.3	[48.7, 55.8]	100.0
Associate's degree/Some college (n=1,003)	49.9	[46.0, 53.9]	50.1	[46.1, 54.0]	100.0
Bachelor's/Post graduate degree (n=338)	46.2	[39.9, 52.6]	53.8	[47.4, 60.1]	100.0
Pearson: Uncorrected chi2(2) =	1.7942				
Design-based F(1.98, 5106.83) =	0.5908	Pr =	0.552		
Total (n=2,602)	48.4	[46.0, 50.9]	51.6	[49.1, 54.0]	100.0

Note: χ^2 test of independence.

5.18.2 Any dental visit (DW) by selected characteristics (continued)

	Any dental visit (DW)				
	Yes		**No**		**Total**
	Row %	95% CI	Row %	95% CI	Row %
Women age 19-50					
Yes (n=1,024)	53.7	[49.9, 57.4]	46.3	[42.6, 50.1]	100.0
No (n=1,578)	45.4	[42.2, 48.6]	54.6	[51.4, 57.8]	100.0
Pearson: Uncorrected chi2(1) =	16.5825				
Design-based F(1.00, 2590.00) =	10.7856	Pr =	0.001		
Employment status					
Full-time employment (n=699)	43.6	[38.8, 48.4]	56.4	[51.6, 61.2]	100.0
Part-time employment (n=811)	51.5	[47.2, 55.8]	48.5	[44.2, 52.8]	100.0
Not employed (n=1,078)	49.6	[45.8, 53.4]	50.4	[46.6, 54.2]	100.0
Pearson: Uncorrected chi2(2) =	10.1939				
Design-based F(1.99, 5119.47) =	3.1761	Pr =	0.042		
Diabetes (2018 survey or DW)					
Yes (n=393)	51.8	[45.6, 57.9]	48.2	[42.1, 54.4]	100.0
No (n=2,209)	47.9	[45.3, 50.6]	52.1	[49.4, 54.7]	100.0
Pearson: Uncorrected chi2(1) =	1.8169				
Design-based F(1.00, 2590.00) =	1.2497	Pr =	0.264		
Heart condition or heart disease (2018 survey or DW)					
Yes (n=298)	48.8	[41.9, 55.8]	51.2	[44.2, 58.1]	100.0
No (n=2,304)	48.4	[45.8, 51.0]	51.6	[49.0, 54.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0195				
Design-based F(1.00, 2590.00) =	0.0130	Pr =	0.909		
Caregiver					
Yes (n=746)	50.6	[46.0, 55.3]	49.4	[44.7, 54.0]	100.0
No (n=1,845)	47.5	[44.7, 50.4]	52.5	[49.6, 55.3]	100.0
Pearson: Uncorrected chi2(1) =	1.9793				
Design-based F(1.00, 2579.00) =	1.2373	Pr =	0.266		
Homeless in last 12 months					
Yes (n=155)	49.2	[39.8, 58.7]	50.8	[41.3, 60.2]	100.0
No (n=2,444)	48.4	[45.9, 50.9]	51.6	[49.1, 54.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0518				
Design-based F(1.00, 2587.00) =	0.0263	Pr =	0.871		
Need help reading written materials					
Sometimes/Often/Always (n=403)	54.2	[48.2, 60.1]	45.8	[39.9, 51.8]	100.0
Never/Rarely (n=2,193)	47.3	[44.6, 50.0]	52.7	[50.0, 55.4]	100.0
Pearson: Uncorrected chi2(1) =	6.6844				
Design-based F(1.00, 2584.00) =	4.2115	Pr =	0.040		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	49.7	[46.4, 52.9]	50.3	[47.1, 53.6]	100.0
Uninsured all 12 months/Don't know (n=1,140)	47.0	[43.3, 50.7]	53.0	[49.3, 56.7]	100.0
Pearson: Uncorrected chi2(1) =	1.8718				
Design-based F(1.00, 2590.00) =	1.1527	Pr =	0.283		
Forgone dental care in 12 months prior to HMP					
Yes (n=958)	52.6	[48.5, 56.6]	47.4	[43.4, 51.5]	100.0
No (n=1,628)	46.1	[43.0, 49.2]	53.9	[50.8, 57.0]	100.0
Pearson: Uncorrected chi2(1) =	9.9116				
Design-based F(1.00, 2574.00) =	6.1635	Pr =	0.013		
Knowledge that routine dental care is covered					
Yes (n=2,031)	55.5	[52.7, 58.2]	44.5	[41.8, 47.3]	100.0
No/Don't know (n=570)	24.0	[19.5, 29.1]	76.0	[70.9, 80.5]	100.0
Pearson: Uncorrected chi2(1) =	178.3806				
Design-based F(1.00, 2589.00) =	96.6902	Pr =	0.000		
Total (n=2,602)	48.4	[46.0, 50.9]	51.6	[49.1, 54.0]	100.0

Note: χ^2 test of independence.

5.18.3 Predictors of any dental visit (DW)

	Any dental visit (DW)			Any dental visit (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Employment status						
Not employed		Reference			Reference	
Full-time employment	0.72	[0.524, 0.984]	0.040	0.74	[0.540, 1.007]	0.055
Part-time employment	0.94	[0.720, 1.237]	0.673	0.95	[0.728, 1.245]	0.720
Diabetes (2018 survey or DW)						
No		Reference			Reference	
Yes	1.10	[0.800, 1.521]	0.551	1.09	[0.791, 1.501]	0.598
Heart condition or heart disease (2018 survey or DW)						
No		Reference			Reference	
Yes	1.06	[0.749, 1.498]	0.744	1.03	[0.732, 1.462]	0.848
Caregiver						
No		Reference			Reference	
Yes	1.09	[0.857, 1.380]	0.491	1.09	[0.856, 1.377]	0.499
Homeless in last 12 months						
No		Reference			Reference	
Yes	1.05	[0.672, 1.629]	0.843	1.06	[0.683, 1.654]	0.786
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.44	[1.059, 1.962]	0.020	1.45	[1.065, 1.970]	0.018
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	1.14	[0.900, 1.431]	0.283	1.13	[0.895, 1.423]	0.307
Forgone dental care in 12 months prior to HMP						
No		Reference			Reference	
Yes	1.37	[1.097, 1.712]	0.006	1.37	[1.097, 1.711]	0.005
Knowledge that routine dental care is covered						
No/Don't know		Reference			Reference	
Yes	4.07	[3.008, 5.508]	0.000	4.09	[3.022, 5.528]	0.000
Age						
19-35		Reference				
36-49	1.07	[0.811, 1.421]	0.620			
50-64	0.80	[0.602, 1.067]	0.130			
Gender						
Male		Reference				
Female	1.22	[0.969, 1.524]	0.091			
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.95	[0.687, 1.317]	0.763	0.96	[0.696, 1.336]	0.827
Hispanic	0.93	[0.619, 1.408]	0.743	0.94	[0.626, 1.417]	0.773
Other, non-Hispanic	1.61	[1.074, 2.409]	0.021	1.62	[1.087, 2.425]	0.018
FPL category						
0-35%		Reference			Reference	
36-99%	1.29	[0.997, 1.678]	0.053	1.30	[1.001, 1.685]	0.049
100%+	1.08	[0.807, 1.433]	0.621	1.08	[0.809, 1.438]	0.606
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.08	[0.822, 1.411]	0.590	1.09	[0.833, 1.428]	0.529
S Central/SW/SE	0.98	[0.729, 1.322]	0.902	0.99	[0.734, 1.331]	0.938
Detroit Metro	0.90	[0.657, 1.224]	0.492	0.90	[0.662, 1.233]	0.523
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.87	[0.671, 1.136]	0.312	0.87	[0.673, 1.114]	0.262
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.06	[0.746, 1.512]	0.737	1.08	[0.756, 1.530]	0.686
Mental health condition	1.14	[0.896, 1.457]	0.282	1.15	[0.904, 1.467]	0.254
Substance use disorder	0.70	[0.398, 1.231]	0.215	0.70	[0.397, 1.219]	0.205
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.01	[0.789, 1.289]	0.947	1.01	[0.787, 1.286]	0.962
Bachelor's/Post graduate degree	0.89	[0.646, 1.237]	0.498	0.89	[0.646, 1.235]	0.496
Women age 19-50						
No					Reference	
Yes				1.28	[1.015, 1.617]	0.037
Constant	0.23	[0.137, 0.385]	0.000	0.22	[0.134, 0.357]	0.000
N	2,492			2,492		
F-value	4.445			4.632		
Model degrees of freedom	27.0			25.0		
Residual degrees of freedom	2,480.0			2,480.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.18.4 Any dental visit (DW) by selected characteristics, among enrollees with diabetes (2018 survey or DW)

	Any dental visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=60)	58.0	[42.5, 72.0]	42.0	[28.0, 57.5]	100.0
36-49 (n=125)	61.1	[50.3, 70.9]	38.9	[29.1, 49.7]	100.0
50-64 (n=208)	41.4	[33.8, 49.5]	58.6	[50.5, 66.2]	100.0
Pearson: Uncorrected chi2(2) =	86.9832				
Design-based F(1.90, 4929.76) =	3.7923	Pr =	0.025		
Gender					
Male (n=155)	42.4	[33.1, 52.4]	57.6	[47.6, 66.9]	100.0
Female (n=238)	60.0	[51.9, 67.5]	40.0	[32.5, 48.1]	100.0
Pearson: Uncorrected chi2(1) =	79.5784				
Design-based F(1.00, 2590.00) =	7.3063	Pr =	0.007		
Race/ethnicity					
White, non-Hispanic (n=228)	51.6	[43.3, 59.8]	48.4	[40.2, 56.7]	100.0
Black, non-Hispanic (n=84)	46.9	[34.6, 59.5]	53.1	[40.5, 65.4]	100.0
Hispanic (n=22)	53.1	[30.7, 74.4]	46.9	[25.6, 69.3]	100.0
Other, non-Hispanic (n=49)	61.9	[44.7, 76.5]	38.1	[23.5, 55.3]	100.0
Pearson: Uncorrected chi2(3) =	25.5414				
Design-based F(2.89, 7466.32) =	0.7911	Pr =	0.495		
FPL category					
0-35% (n=173)	49.5	[40.6, 58.4]	50.5	[41.6, 59.4]	100.0
36-99% (n=127)	62.7	[53.0, 71.4]	37.3	[28.6, 47.0]	100.0
100%+ (n=93)	44.9	[34.0, 56.4]	55.1	[43.6, 66.0]	100.0
Pearson: Uncorrected chi2(2) =	39.1420				
Design-based F(1.92, 4968.57) =	2.7662	Pr =	0.065		
Region					
UP/NW/NE (n=68)	56.0	[43.1, 68.2]	44.0	[31.8, 56.9]	100.0
W/E Central/E (n=116)	42.9	[33.3, 53.2]	57.1	[46.8, 66.7]	100.0
S Central/SW/SE (n=56)	47.1	[32.6, 62.1]	52.9	[37.9, 67.4]	100.0
Detroit Metro (n=153)	56.8	[47.1, 66.0]	43.2	[34.0, 52.9]	100.0
Pearson: Uncorrected chi2(3) =	39.7642				
Design-based F(2.62, 6777.69) =	1.7844	Pr =	0.156		
Chronic condition (2018 survey or DW)					
No (n=0)	0.0		0.0		100.0
Yes (n=393)	51.8	[45.6, 57.9]	48.2	[42.1, 54.4]	100.0
Pearson: Uncorrected chi2(1) =	.				
Design-based F(., .) =	.	Pr =	.		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=161)	50.2	[40.4, 60.0]	49.8	[40.0, 59.6]	100.0
Mental health condition and substance use disorder (n=38)	52.1	[33.9, 69.7]	47.9	[30.3, 66.1]	100.0
Mental health condition (n=186)	53.5	[44.6, 62.3]	46.5	[37.7, 55.4]	100.0
Substance use disorder (n=8)	37.0	[10.6, 74.4]	63.0	[25.6, 89.4]	100.0
Pearson: Uncorrected chi2(3) =	6.0313				
Design-based F(2.86, 7414.74) =	0.2311	Pr =	0.866		
Highest level of education					
High school or less (n=213)	48.3	[40.2, 56.5]	51.7	[43.5, 59.8]	100.0
Associate's degree/Some college (n=137)	54.5	[43.7, 64.9]	45.5	[35.1, 56.3]	100.0
Bachelor's/Post graduate degree (n=43)	57.6	[40.5, 73.0]	42.4	[27.0, 59.5]	100.0
Pearson: Uncorrected chi2(2) =	12.9601				
Design-based F(1.96, 5085.86) =	0.6593	Pr =	0.515		
Total (n=393)	51.8	[45.6, 57.9]	48.2	[42.1, 54.4]	100.0

Note: χ^2 test of independence.

| | Any dental visit (DW) | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Women age 19-50					
Yes (n=112)	68.5	[56.3, 78.6]	31.5	[21.4, 43.7]	100.0
No (n=281)	44.6	[37.4, 52.1]	55.4	[47.9, 62.6]	100.0
Pearson: Uncorrected chi2(1) =	124.3843				
Design-based F(1.00, 2590.00) =	10.7944	Pr =	0.001		
Employment status					
Full-time employment (n=82)	56.3	[42.0, 69.7]	43.7	[30.3, 58.0]	100.0
Part-time employment (n=95)	49.3	[36.8, 61.9]	50.7	[38.1, 63.2]	100.0
Not employed (n=216)	50.9	[42.9, 58.9]	49.1	[41.1, 57.1]	100.0
Pearson: Uncorrected chi2(2) =	6.6291				
Design-based F(1.98, 5131.50) =	0.3067	Pr =	0.734		
Heart condition or heart disease (2018 survey or DW)					
Yes (n=98)	47.4	[35.7, 59.4]	52.6	[40.6, 64.3]	100.0
No (n=295)	53.2	[46.0, 60.3]	46.8	[39.7, 54.0]	100.0
Pearson: Uncorrected chi2(1) =	6.6065				
Design-based F(1.00, 2590.00) =	0.6562	Pr =	0.418		
Caregiver					
Yes (n=114)	60.9	[49.1, 71.5]	39.1	[28.5, 50.9]	100.0
No (n=278)	48.4	[41.3, 55.6]	51.6	[44.4, 58.7]	100.0
Pearson: Uncorrected chi2(1) =	31.0826				
Design-based F(1.00, 2589.00) =	3.1575	Pr =	0.076		
Homeless in last 12 months					
Yes (n=24)	68.8	[43.3, 86.4]	31.2	[13.6, 56.7]	100.0
No (n=368)	50.5	[44.1, 56.9]	49.5	[43.1, 55.9]	100.0
Pearson: Uncorrected chi2(1) =	25.5625				
Design-based F(1.00, 2589.00) =	1.9939	Pr =	0.158		
Need help reading written materials					
Sometimes/Often/Always (n=92)	58.0	[45.7, 69.3]	42.0	[30.7, 54.3]	100.0
Never/Rarely (n=300)	49.6	[42.5, 56.8]	50.4	[43.2, 57.5]	100.0
Pearson: Uncorrected chi2(1) =	13.0786				
Design-based F(1.00, 2589.00) =	1.3284	Pr =	0.249		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=244)	53.8	[45.7, 61.6]	46.2	[38.4, 54.3]	100.0
Uninsured all 12 months/Don't know (n=149)	48.5	[39.0, 58.1]	51.5	[41.9, 61.0]	100.0
Pearson: Uncorrected chi2(1) =	6.8866				
Design-based F(1.00, 2590.00) =	0.6822	Pr =	0.409		
Forgone dental care in 12 months prior to HMP					
Yes (n=156)	60.7	[50.6, 70.1]	39.3	[29.9, 49.4]	100.0
No (n=236)	45.5	[37.7, 53.5]	54.5	[46.5, 62.3]	100.0
Pearson: Uncorrected chi2(1) =	58.2912				
Design-based F(1.00, 2589.00) =	5.3727	Pr =	0.021		
Knowledge that routine dental care is covered					
Yes (n=320)	58.2	[51.3, 64.8]	41.8	[35.2, 48.7]	100.0
No/Don't know (n=73)	22.9	[12.3, 38.7]	77.1	[61.3, 87.7]	100.0
Pearson: Uncorrected chi2(1) =	193.4844				
Design-based F(1.00, 2590.00) =	15.9190	Pr =	0.000		
Total (n=393)	51.8	[45.6, 57.9]	48.2	[42.1, 54.4]	100.0

Note: χ^2 test of independence.

5.18.6 Predictors of any dental visit (DW), among enrollees with diabetes (2018 survey or DW)

	Any dental visit (DW)			Any dental visit (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Employment status						
Not employed		Reference			Reference	
Full-time employment	0.63	[0.266, 1.497]	0.295	0.94	[0.417, 2.094]	0.870
Part-time employment	0.48	[0.205, 1.109]	0.085	0.60	[0.249, 1.431]	0.247
Heart condition or heart disease (2018 survey or DW)						
No		Reference			Reference	
Yes	1.18	[0.591, 2.361]	0.637	0.96	[0.490, 1.866]	0.896
Caregiver						
No		Reference			Reference	
Yes	1.36	[0.683, 2.706]	0.381	1.31	[0.666, 2.572]	0.434
Homeless in last 12 months						
No		Reference			Reference	
Yes	2.49	[0.748, 8.313]	0.136	2.43	[0.800, 7.398]	0.117
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.78	[0.907, 3.503]	0.093	1.83	[0.952, 3.520]	0.070
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	1.58	[0.901, 2.787]	0.109	1.52	[0.859, 2.704]	0.150
Forgone dental care in 12 months prior to HMP						
No		Reference			Reference	
Yes	2.03	[1.086, 3.777]	0.027	1.98	[1.069, 3.672]	0.030
Knowledge that routine dental care is covered						
No/Don't know		Reference			Reference	
Yes	6.73	[3.207, 14.113]	0.000	6.64	[3.224, 13.663]	0.000
Age						
19-35		Reference				
36-49	1.49	[0.622, 3.554]	0.371			
50-64	0.36	[0.155, 0.848]	0.019			
Gender						
Male		Reference				
Female	1.93	[1.046, 3.550]	0.035			
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.42	[0.184, 0.955]	0.039	0.53	[0.228, 1.228]	0.138
Hispanic	0.82	[0.280, 2.412]	0.720	1.03	[0.349, 3.010]	0.964
Other, non-Hispanic	1.14	[0.408, 3.192]	0.802	1.16	[0.415, 3.232]	0.779
FPL category						
0-35%		Reference			Reference	
36-99%	1.95	[0.955, 3.998]	0.067	1.88	[0.919, 3.846]	0.083
100%+	1.02	[0.444, 2.365]	0.954	0.97	[0.414, 2.281]	0.948
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.65	[0.264, 1.596]	0.345	0.60	[0.253, 1.406]	0.237
S Central/SW/SE	1.00	[0.348, 2.872]	0.999	0.91	[0.323, 2.544]	0.852
Detroit Metro	1.49	[0.556, 3.975]	0.429	1.16	[0.451, 2.985]	0.757
Yes		Reference			Reference	
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	1.05	[0.364, 3.038]	0.926	1.00	[0.331, 2.998]	0.995
Mental health condition	1.08	[0.582, 2.010]	0.803	1.10	[0.597, 2.029]	0.759
Substance use disorder	1.01	[0.189, 5.339]	0.995	1.05	[0.222, 4.990]	0.949
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.14	[0.584, 2.216]	0.703	1.21	[0.631, 2.321]	0.566
Bachelor's/Post graduate degree	3.11	[1.255, 7.719]	0.014	2.68	[1.051, 6.805]	0.039
Women age 19-50						
No					Reference	
Yes				2.91	[1.423, 5.969]	0.004
Constant	0.09	[0.021, 0.397]	0.001	0.07	[0.021, 0.251]	0.000
N	380			380		
F-value	2.791			2.658		
Model degrees of freedom	25.0			23.0		
Residual degrees of freedom	368.0			368.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.19 Dental visit in last 12 months

5.19.1 Dental visit in last 12 months by selected characteristics

	Dental visit in last 12 months				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,247)	48.9	[45.4, 52.4]	51.1	[47.6, 54.6]	100.0
Associate's degree/Some college (n=1,002)	57.8	[53.7, 61.7]	42.2	[38.3, 46.3]	100.0
Bachelor's/Post graduate degree (n=335)	61.5	[54.8, 67.7]	38.5	[32.3, 45.2]	100.0
Pearson: Uncorrected chi2(2) =	25.8682				
Design-based F(1.99, 5109.00) =	8.1977	Pr =	0.000		
Employment status					
Full-time employment (n=698)	52.3	[47.4, 57.2]	47.7	[42.8, 52.6]	100.0
Part-time employment (n=808)	59.4	[55.1, 63.5]	40.6	[36.5, 44.9]	100.0
Not employed (n=1,073)	51.4	[47.6, 55.2]	48.6	[44.8, 52.4]	100.0
Pearson: Uncorrected chi2(2) =	12.2413				
Design-based F(1.99, 5099.11) =	3.7648	Pr =	0.023		
Caregiver					
Yes (n=744)	56.3	[51.6, 60.9]	43.7	[39.1, 48.4]	100.0
No (n=1,838)	53.1	[50.2, 56.0]	46.9	[44.0, 49.8]	100.0
Pearson: Uncorrected chi2(1) =	2.1053				
Design-based F(1.00, 2570.00) =	1.3036	Pr =	0.254		
Homeless in last 12 months					
Yes (n=154)	47.4	[38.1, 57.0]	52.6	[43.0, 61.9]	100.0
No (n=2,436)	54.6	[52.1, 57.1]	45.4	[42.9, 47.9]	100.0
Pearson: Uncorrected chi2(1) =	3.9767				
Design-based F(1.00, 2578.00) =	2.0197	Pr =	0.155		
Need help reading written materials					
Sometimes/Often/Always (n=401)	53.1	[47.0, 59.0]	46.9	[41.0, 53.0]	100.0
Never/Rarely (n=2,186)	54.2	[51.5, 56.9]	45.8	[43.1, 48.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1900				
Design-based F(1.00, 2575.00) =	0.1178	Pr =	0.731		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,456)	55.4	[52.1, 58.7]	44.6	[41.3, 47.9]	100.0
Uninsured all 12 months/Don't know (n=1,137)	52.3	[48.6, 56.0]	47.7	[44.0, 51.4]	100.0
Pearson: Uncorrected chi2(1) =	2.5003				
Design-based F(1.00, 2581.00) =	1.5124	Pr =	0.219		
Forgone dental care in 12 months prior to HMP					
Yes (n=955)	60.3	[56.3, 64.2]	39.7	[35.8, 43.7]	100.0
No (n=1,622)	50.7	[47.6, 53.8]	49.3	[46.2, 52.4]	100.0
Pearson: Uncorrected chi2(1) =	22.0126				
Design-based F(1.00, 2565.00) =	13.6981	Pr =	0.000		
Knowledge that routine dental care is covered					
Yes (n=2,025)	59.8	[57.0, 62.6]	40.2	[37.4, 43.0]	100.0
No/Don't know (n=567)	33.6	[28.8, 38.8]	66.4	[61.2, 71.2]	100.0
Pearson: Uncorrected chi2(1) =	123.5240				
Design-based F(1.00, 2580.00) =	73.1451	Pr =	0.000		
Diabetes (2018 survey or DW)					
Yes (n=392)	52.3	[46.0, 58.4]	47.7	[41.6, 54.0]	100.0
No (n=2,201)	54.3	[51.6, 56.9]	45.7	[43.1, 48.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4907				
Design-based F(1.00, 2581.00) =	0.3327	Pr =	0.564		
Heart condition or heart disease (2018 survey or DW)					
Yes (n=298)	53.6	[46.6, 60.5]	46.4	[39.5, 53.4]	100.0
No (n=2,295)	54.0	[51.4, 56.7]	46.0	[43.3, 48.6]	100.0
Pearson: Uncorrected chi2(1) =	0.0182				
Design-based F(1.00, 2581.00) =	0.0121	Pr =	0.912		
Total (n=2,593)	54.0	[51.5, 56.4]	46.0	[43.6, 48.5]	100.0

Note: χ^2 test of independence.

5.19.2 Predictors of dental visit in last 12 months

	Dental visit in last 12 months		
	aOR	95% CI	p-value
Employment status			
Not employed		Reference	
Full-time employment	0.95	[0.700, 1.284]	0.729
Part-time employment	1.22	[0.934, 1.606]	0.143
Caregiver			
No		Reference	
Yes	1.05	[0.829, 1.328]	0.690
Homeless in last 12 months			
No		Reference	
Yes	0.88	[0.574, 1.352]	0.561
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.10	[0.821, 1.475]	0.522
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.08	[0.860, 1.359]	0.505
Forgone dental care in 12 months prior to HMP			
No		Reference	
Yes	1.53	[1.223, 1.920]	0.000
Knowledge that routine dental care is covered			
No/Don't know		Reference	
Yes	3.05	[2.335, 3.990]	0.000
Diabetes (2018 survey or DW)			
No		Reference	
Yes	0.89	[0.654, 1.209]	0.453
Heart condition or heart disease (2018 survey or DW)			
No		Reference	
Yes	1.19	[0.851, 1.660]	0.311
Age			
19-35		Reference	
36-49	1.05	[0.798, 1.381]	0.729
50-64	0.95	[0.717, 1.262]	0.728
Gender			
Male		Reference	
Female	1.20	[0.956, 1.503]	0.117
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.14	[0.829, 1.580]	0.411
Hispanic	1.00	[0.660, 1.530]	0.982
Other, non-Hispanic	1.45	[0.995, 2.111]	0.053
FPL category			
0-35%		Reference	
36-99%	1.44	[1.116, 1.870]	0.005
100%+	1.10	[0.827, 1.467]	0.511
Region			
UP/NW/NE		Reference	
W/E Central/E	0.95	[0.723, 1.255]	0.728
S Central/SW/SE	0.85	[0.627, 1.141]	0.273
Detroit Metro	0.90	[0.655, 1.230]	0.501
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.78	[0.602, 1.019]	0.069
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.14	[0.808, 1.604]	0.459
Mental health condition	1.39	[1.082, 1.782]	0.010
Substance use disorder	0.64	[0.367, 1.105]	0.109
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.21	[0.953, 1.539]	0.117
Bachelor's/Post graduate degree	1.61	[1.151, 2.240]	0.005
Constant	0.29	[0.177, 0.462]	0.000
N	2,484		
F-value	4.725		
Model degrees of freedom	27.0		
Residual degrees of freedom	2,472.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.20 Any eye visit (DW)

5.20.1 Any eye visit (DW) by selected characteristics

	Yes Row %	95% CI	No Row %	95% CI	Total Row %
Age					
19-35 (n=1,036)	30.2	[26.9, 33.7]	69.8	[66.3, 73.1]	100.0
36-49 (n=696)	34.8	[30.7, 39.2]	65.2	[60.8, 69.3]	100.0
50-64 (n=870)	47.0	[43.0, 51.1]	53.0	[48.9, 57.0]	100.0
Pearson: Uncorrected chi2(2) =	51.3623				
Design-based F(1.95, 5063.05) =	18.4520	Pr =	0.000		
Gender					
Male (n=1,055)	30.7	[27.4, 34.2]	69.3	[65.8, 72.6]	100.0
Female (n=1,547)	40.0	[37.1, 43.0]	60.0	[57.0, 62.9]	100.0
Pearson: Uncorrected chi2(1) =	24.7482				
Design-based F(1.00, 2590.00) =	15.6899	Pr =	0.000		
Race/ethnicity					
White, non-Hispanic (n=1,696)	37.0	[34.2, 39.9]	63.0	[60.1, 65.8]	100.0
Black, non-Hispanic (n=422)	29.0	[24.2, 34.3]	71.0	[65.7, 75.8]	100.0
Hispanic (n=169)	33.7	[25.5, 43.0]	66.3	[57.0, 74.5]	100.0
Other, non-Hispanic (n=248)	39.7	[32.7, 47.2]	60.3	[52.8, 67.3]	100.0
Pearson: Uncorrected chi2(3) =	14.7175				
Design-based F(2.99, 7544.10) =	2.8839	Pr =	0.035		
FPL category					
0-35% (n=960)	35.0	[31.5, 38.7]	65.0	[61.3, 68.5]	100.0
36-99% (n=947)	34.3	[31.1, 37.7]	65.7	[62.3, 68.9]	100.0
100%+ (n=695)	37.5	[33.5, 41.7]	62.5	[58.3, 66.5]	100.0
Pearson: Uncorrected chi2(2) =	1.4106				
Design-based F(1.90, 4923.60) =	0.6025	Pr =	0.539		
Region					
UP/NW/NE (n=518)	38.2	[33.7, 42.9]	61.8	[57.1, 66.3]	100.0
W/E Central/E (n=770)	40.1	[36.2, 44.1]	59.9	[55.9, 63.8]	100.0
S Central/SW/SE (n=523)	32.9	[28.4, 37.7]	67.1	[62.3, 71.6]	100.0
Detroit Metro (n=791)	32.9	[29.0, 36.9]	67.1	[63.1, 71.0]	100.0
Pearson: Uncorrected chi2(3) =	12.3685				
Design-based F(2.64, 6846.59) =	3.4171	Pr =	0.021		
Chronic condition (2018 survey or DW)					
No (n=958)	29.3	[25.8, 33.0]	70.7	[67.0, 74.2]	100.0
Yes (n=1,644)	39.4	[36.5, 42.3]	60.6	[57.7, 63.5]	100.0
Pearson: Uncorrected chi2(1) =	27.9764				
Design-based F(1.00, 2590.00) =	17.4025	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	32.7	[29.6, 35.9]	67.3	[64.1, 70.4]	100.0
Mental health condition and substance use disorder (n=301)	32.2	[25.9, 39.1]	67.8	[60.9, 74.1]	100.0
Mental health condition (n=944)	42.1	[38.2, 46.1]	57.9	[53.9, 61.8]	100.0
Substance use disorder (n=100)	20.9	[12.6, 32.8]	79.1	[67.2, 87.4]	100.0
Pearson: Uncorrected chi2(3) =	31.9799				
Design-based F(2.99, 7749.74) =	6.6926	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	33.5	[30.3, 36.8]	66.5	[63.2, 69.7]	100.0
Associate's degree/Some college (n=1,003)	37.5	[33.8, 41.4]	62.5	[58.6, 66.2]	100.0
Bachelor's/Post graduate degree (n=338)	35.9	[30.2, 42.2]	64.1	[57.8, 69.8]	100.0
Pearson: Uncorrected chi2(2) =	4.0146				
Design-based F(1.98, 5108.26) =	1.3858	Pr =	0.250		
Total (n=2,602)	35.3	[33.1, 37.6]	64.7	[62.4, 66.9]	100.0

Note: χ^2 test of independence.

5.20.2 Any eye visit (DW) by selected characteristics (continued)

	Any eye visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Employment status					
Full-time employment (n=699)	28.7	[24.9, 32.9]	71.3	[67.1, 75.1]	100.0
Part-time employment (n=811)	34.1	[30.3, 38.1]	65.9	[61.9, 69.7]	100.0
Not employed (n=1,078)	40.4	[36.8, 44.2]	59.6	[55.8, 63.2]	100.0
Pearson: Uncorrected chi2(2) =	27.1960				
Design-based F(1.99, 5129.34) =	9.2365	Pr =	0.000		
Diabetes (2018 survey or DW)					
Yes (n=393)	57.7	[51.3, 63.8]	42.3	[36.2, 48.7]	100.0
No (n=2,209)	31.8	[29.4, 34.2]	68.2	[65.8, 70.6]	100.0
Pearson: Uncorrected chi2(1) =	89.9619				
Design-based F(1.00, 2590.00) =	59.5788	Pr =	0.000		
Caregiver					
Yes (n=746)	35.5	[31.3, 39.9]	64.5	[60.1, 68.7]	100.0
No (n=1,845)	35.4	[32.7, 38.1]	64.6	[61.9, 67.3]	100.0
Pearson: Uncorrected chi2(1) =	0.0045				
Design-based F(1.00, 2579.00) =	0.0030	Pr =	0.957		
Homeless in last 12 months					
Yes (n=155)	26.6	[19.6, 35.1]	73.4	[64.9, 80.4]	100.0
No (n=2,444)	36.0	[33.7, 38.4]	64.0	[61.6, 66.3]	100.0
Pearson: Uncorrected chi2(1) =	7.4462				
Design-based F(1.00, 2587.00) =	4.4377	Pr =	0.035		
Need help reading written materials					
Sometimes/Often/Always (n=403)	39.0	[33.4, 44.9]	61.0	[55.1, 66.6]	100.0
Never/Rarely (n=2,193)	34.6	[32.2, 37.1]	65.4	[62.9, 67.8]	100.0
Pearson: Uncorrected chi2(1) =	3.0078				
Design-based F(1.00, 2584.00) =	1.9315	Pr =	0.165		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	37.6	[34.6, 40.8]	62.4	[59.2, 65.4]	100.0
Uninsured all 12 months/Don't know (n=1,140)	32.6	[29.3, 36.0]	67.4	[64.0, 70.7]	100.0
Pearson: Uncorrected chi2(1) =	7.2522				
Design-based F(1.00, 2590.00) =	4.6535	Pr =	0.031		
Knowledge that eyeglasses are covered					
Yes (n=1,550)	50.9	[47.6, 54.1]	49.1	[45.9, 52.4]	100.0
No/Don't know (n=1,052)	15.2	[12.8, 17.9]	84.8	[82.1, 87.2]	100.0
Pearson: Uncorrected chi2(1) =	356.9608				
Design-based F(1.00, 2590.00) =	232.4244	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=2,233)	39.9	[37.4, 42.4]	60.1	[57.6, 62.6]	100.0
No (n=369)	14.7	[10.5, 20.1]	85.3	[79.9, 89.5]	100.0
Pearson: Uncorrected chi2(1) =	107.1475				
Design-based F(1.00, 2590.00) =	49.6111	Pr =	0.000		
Total (n=2,602)	35.3	[33.1, 37.6]	64.7	[62.4, 66.9]	100.0

Note: χ^2 test of independence.

5.20.3 Predictors of any eye visit (DW)

	Any eye visit (DW)		
	aOR	95% CI	p-value
Employment status			
Not employed		Reference	
Full-time employment	0.68	[0.494, 0.933]	0.017
Part-time employment	0.83	[0.614, 1.120]	0.221
Diabetes (2018 survey or DW)			
No		Reference	
Yes	2.23	[1.595, 3.109]	0.000
Caregiver			
No		Reference	
Yes	0.98	[0.757, 1.272]	0.885
Homeless in last 12 months			
No		Reference	
Yes	0.88	[0.544, 1.431]	0.611
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.30	[0.944, 1.789]	0.108
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	1.13	[0.889, 1.428]	0.323
Knowledge that eyeglasses are covered			
No/Don't know		Reference	
Yes	5.64	[4.363, 7.281]	0.000
Any primary care visit (DW)			
No		Reference	
Yes	3.06	[2.025, 4.631]	0.000
Age			
19-35		Reference	
36-49	1.19	[0.892, 1.582]	0.238
50-64	1.70	[1.238, 2.322]	0.001
Gender			
Male		Reference	
Female	1.02	[0.791, 1.309]	0.891
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.75	[0.526, 1.057]	0.099
Hispanic	0.90	[0.535, 1.521]	0.698
Other, non-Hispanic	1.20	[0.817, 1.765]	0.351
FPL category			
0-35%		Reference	
36-99%	1.05	[0.796, 1.394]	0.716
100%+	1.20	[0.880, 1.628]	0.251
Region			
UP/NW/NE		Reference	
W/E Central/E	1.14	[0.845, 1.535]	0.392
S Central/SW/SE	0.94	[0.673, 1.302]	0.695
Detroit Metro	1.00	[0.708, 1.403]	0.985
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.83	[0.624, 1.113]	0.217
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.70	[0.480, 1.031]	0.072
Mental health condition	1.08	[0.821, 1.413]	0.591
Substance use disorder	0.51	[0.243, 1.081]	0.079
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.17	[0.915, 1.502]	0.209
Bachelor's/Post graduate degree	1.17	[0.813, 1.684]	0.398
Constant	0.06	[0.033, 0.098]	0.000
N	2,504		
F-value	11.410		
Model degrees of freedom	26.0		
Residual degrees of freedom	2,492.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.20.4 Any eye visit (DW) by selected characteristics, among enrollees with diabetes (2018 survey or DW)

	Any eye visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=60)	46.2	[31.9, 61.1]	53.8	[38.9, 68.1]	100.0
36-49 (n=125)	56.7	[46.0, 66.9]	43.3	[33.1, 54.0]	100.0
50-64 (n=208)	64.8	[56.7, 72.2]	35.2	[27.8, 43.3]	100.0
Pearson: Uncorrected chi2(2) =	58.6735				
Design-based F(1.92, 4974.55) =	2.6045	Pr =	0.076		
Gender					
Male (n=155)	56.3	[46.2, 65.8]	43.7	[34.2, 53.8]	100.0
Female (n=238)	58.9	[50.8, 66.6]	41.1	[33.4, 49.2]	100.0
Pearson: Uncorrected chi2(1) =	1.8811				
Design-based F(1.00, 2590.00) =	0.1687	Pr =	0.681		
Race/ethnicity					
White, non-Hispanic (n=228)	60.6	[51.9, 68.7]	39.4	[31.3, 48.1]	100.0
Black, non-Hispanic (n=84)	56.7	[43.9, 68.7]	43.3	[31.3, 56.1]	100.0
Hispanic (n=22)	72.8	[46.8, 89.1]	27.2	[10.9, 53.2]	100.0
Other, non-Hispanic (n=49)	48.0	[32.2, 64.2]	52.0	[35.8, 67.8]	100.0
Pearson: Uncorrected chi2(3) =	34.9693				
Design-based F(2.94, 7586.69) =	1.0582	Pr =	0.365		
FPL category					
0-35% (n=173)	57.6	[48.3, 66.3]	42.4	[33.7, 51.7]	100.0
36-99% (n=127)	57.1	[47.2, 66.4]	42.9	[33.6, 52.8]	100.0
100%+ (n=93)	58.9	[47.1, 69.7]	41.1	[30.3, 52.9]	100.0
Pearson: Uncorrected chi2(2) =	0.3168				
Design-based F(1.91, 4949.34) =	0.0213	Pr =	0.976		
Region					
UP/NW/NE (n=68)	62.9	[49.7, 74.4]	37.1	[25.6, 50.3]	100.0
W/E Central/E (n=116)	66.6	[56.2, 75.6]	33.4	[24.4, 43.8]	100.0
S Central/SW/SE (n=56)	61.8	[45.6, 75.7]	38.2	[24.3, 54.4]	100.0
Detroit Metro (n=153)	51.5	[41.9, 61.0]	48.5	[39.0, 58.1]	100.0
Pearson: Uncorrected chi2(3) =	48.1319				
Design-based F(2.61, 6765.27) =	2.0680	Pr =	0.111		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=161)	53.0	[42.9, 62.9]	47.0	[37.1, 57.1]	100.0
Mental health condition and substance use disorder (n=38)	60.5	[42.4, 76.0]	39.5	[24.0, 57.6]	100.0
Mental health condition (n=186)	61.3	[52.2, 69.7]	38.7	[30.3, 47.8]	100.0
Substance use disorder (n=8)	54.7	[19.0, 86.1]	45.3	[13.9, 81.0]	100.0
Pearson: Uncorrected chi2(3) =	17.2135				
Design-based F(2.89, 7477.47) =	0.6524	Pr =	0.576		
Highest level of education					
High school or less (n=213)	59.5	[51.0, 67.5]	40.5	[32.5, 49.0]	100.0
Associate's degree/Some college (n=137)	56.6	[45.4, 67.1]	43.4	[32.9, 54.6]	100.0
Bachelor's/Post graduate degree (n=43)	53.1	[36.5, 69.1]	46.9	[30.9, 63.5]	100.0
Pearson: Uncorrected chi2(2) =	4.6903				
Design-based F(1.95, 5044.08) =	0.2311	Pr =	0.788		
Total (n=393)	57.7	[51.3, 63.8]	42.3	[36.2, 48.7]	100.0

Note: χ^2 test of independence.

5.20.5 Any eye visit (DW) by selected characteristics, among enrollees with diabetes (2018 survey or DW) (continued)

| | Any eye visit (DW) | | | | |
| | **Yes** | | **No** | | **Total** |
	Row %	95% CI	Row %	95% CI	Row %
Employment status					
Full-time employment (n=82)	41.2	[28.8, 54.8]	58.8	[45.2, 71.2]	100.0
Part-time employment (n=95)	56.4	[43.4, 68.6]	43.6	[31.4, 56.6]	100.0
Not employed (n=216)	64.8	[56.7, 72.1]	35.2	[27.9, 43.3]	100.0
Pearson: Uncorrected chi2(2) =	95.2717				
Design-based F(2.00, 5171.10) =	4.5965	Pr =	0.010		
Caregiver					
Yes (n=114)	50.0	[37.9, 62.1]	50.0	[37.9, 62.1]	100.0
No (n=278)	60.3	[53.0, 67.2]	39.7	[32.8, 47.0]	100.0
Pearson: Uncorrected chi2(1) =	22.0434				
Design-based F(1.00, 2589.00) =	2.0505	Pr =	0.152		
Homeless in last 12 months					
Yes (n=24)	33.8	[16.9, 56.2]	66.2	[43.8, 83.1]	100.0
No (n=368)	59.6	[53.0, 65.8]	40.4	[34.2, 47.0]	100.0
Pearson: Uncorrected chi2(1) =	51.9476				
Design-based F(1.00, 2589.00) =	5.0379	Pr =	0.025		
Need help reading written materials					
Sometimes/Often/Always (n=92)	56.4	[44.2, 67.9]	43.6	[32.1, 55.8]	100.0
Never/Rarely (n=300)	57.9	[50.4, 65.1]	42.1	[34.9, 49.6]	100.0
Pearson: Uncorrected chi2(1) =	0.4536				
Design-based F(1.00, 2589.00) =	0.0452	Pr =	0.832		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=244)	59.2	[50.8, 67.1]	40.8	[32.9, 49.2]	100.0
Uninsured all 12 months/Don't know (n=149)	55.2	[45.4, 64.7]	44.8	[35.3, 54.6]	100.0
Pearson: Uncorrected chi2(1) =	4.0075				
Design-based F(1.00, 2590.00) =	0.3759	Pr =	0.540		
Knowledge that eyeglasses are covered					
Yes (n=280)	71.2	[64.1, 77.4]	28.8	[22.6, 35.9]	100.0
No/Don't know (n=113)	31.0	[21.7, 42.2]	69.0	[57.8, 78.3]	100.0
Pearson: Uncorrected chi2(1) =	383.8500				
Design-based F(1.00, 2590.00) =	35.3032	Pr =	0.000		
Any primary care visit (DW)					
Yes (n=378)	59.4	[52.8, 65.7]	40.6	[34.3, 47.2]	100.0
No (n=15)	25.6	[8.3, 57.0]	74.4	[43.0, 91.7]	100.0
Pearson: Uncorrected chi2(1) =	58.7164				
Design-based F(1.00, 2590.00) =	4.9595	Pr =	0.026		
Total (n=393)	57.7	[51.3, 63.8]	42.3	[36.2, 48.7]	100.0

Note: χ^2 test of independence.

5.20.6 Predictors of any eye visit (DW), among enrollees with diabetes (2018 survey or DW)

	Any eye visit (DW)			Any eye visit (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Employment status						
Not employed		Reference			Reference	
Full-time employment	0.34	[0.149, 0.794]	0.013	0.40	[0.185, 0.863]	0.020
Part-time employment	0.61	[0.261, 1.411]	0.245	0.71	[0.334, 1.529]	0.386
Caregiver						
No		Reference			Reference	
Yes	0.61	[0.314, 1.168]	0.134	0.67	[0.359, 1.246]	0.205
Homeless in last 12 months						
No		Reference			Reference	
Yes	0.38	[0.121, 1.195]	0.098	0.34	[0.106, 1.070]	0.065
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.10	[0.542, 2.230]	0.793	0.93	[0.482, 1.800]	0.831
Insurance status in 12 months prior to HMP						
Uninsured all 12 months/Don't know		Reference			Reference	
Insured some or all 12 months	0.85	[0.484, 1.496]	0.574	0.89	[0.518, 1.536]	0.680
Knowledge that eyeglasses are covered						
No/Don't know		Reference				
Yes	6.58	[3.653, 11.867]	0.000			
Any primary care visit (DW)						
No		Reference			Reference	
Yes	3.90	[0.858, 17.757]	0.078	3.27	[0.657, 16.314]	0.147
Age						
19-35		Reference			Reference	
36-49	0.98	[0.415, 2.323]	0.966	1.34	[0.648, 2.751]	0.432
50-64	1.28	[0.513, 3.179]	0.599	1.53	[0.718, 3.263]	0.269
Gender						
Male		Reference			Reference	
Female	0.83	[0.463, 1.483]	0.526	1.03	[0.606, 1.767]	0.901
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.36	[0.645, 2.860]	0.420	1.18	[0.577, 2.408]	0.651
Hispanic	1.53	[0.380, 6.165]	0.548	1.88	[0.557, 6.366]	0.308
Other, non-Hispanic	1.43	[0.568, 3.621]	0.445	0.98	[0.433, 2.194]	0.951
FPL category						
0-35%		Reference			Reference	
36-99%	1.46	[0.700, 3.040]	0.312	1.34	[0.699, 2.574]	0.376
100%+	1.74	[0.766, 3.939]	0.186	1.39	[0.647, 2.999]	0.396
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	1.52	[0.581, 3.998]	0.391	1.36	[0.581, 3.168]	0.480
S Central/SW/SE	1.68	[0.602, 4.700]	0.320	1.03	[0.395, 2.671]	0.957
Detroit Metro	0.92	[0.365, 2.301]	0.853	0.75	[0.315, 1.801]	0.522
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference			Reference	
Mental health condition and substance use disorder	0.74	[0.270, 2.044]	0.564	0.93	[0.336, 2.559]	0.884
Mental health condition	1.61	[0.871, 2.959]	0.129	1.29	[0.739, 2.257]	0.368
Substance use disorder	1.36	[0.124, 14.852]	0.802	1.36	[0.112, 16.396]	0.811
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.30	[0.684, 2.466]	0.423	1.13	[0.623, 2.065]	0.679
Bachelor's/Post graduate degree	0.84	[0.305, 2.291]	0.727	0.70	[0.303, 1.605]	0.396
Constant	0.10	[0.013, 0.723]	0.023	0.45	[0.062, 3.326]	0.436
N	381			381		
F-value	2.423			0.949		
Model degrees of freedom	24.0			23.0		
Residual degrees of freedom	369.0			369.0		
F-value significance	0.000			0.533		

Notes: Multiple logistic regression.

5.21 Any mental health or substance use visit (DW)

5.21.1 Any mental health or substance use visit (DW) by selected characteristics

	Any mental health or substance use visit (DW)				Total
	Yes		No		
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	19.4	[16.7, 22.4]	80.6	[77.6, 83.3]	100.0
36-49 (n=696)	25.1	[21.4, 29.2]	74.9	[70.8, 78.6]	100.0
50-64 (n=870)	17.7	[14.8, 21.1]	82.3	[78.9, 85.2]	100.0
Pearson: Uncorrected chi2(2) =	12.4893				
Design-based F(1.95, 5059.00) =	4.5092	Pr =	0.012		
Gender					
Male (n=1,055)	19.3	[16.6, 22.4]	80.7	[77.6, 83.4]	100.0
Female (n=1,547)	21.7	[19.2, 24.3]	78.3	[75.7, 80.8]	100.0
Pearson: Uncorrected chi2(1) =	2.1624				
Design-based F(1.00, 2590.00) =	1.3923	Pr =	0.238		
Race/ethnicity					
White, non-Hispanic (n=1,696)	23.9	[21.4, 26.5]	76.1	[73.5, 78.6]	100.0
Black, non-Hispanic (n=422)	14.6	[11.1, 19.1]	85.4	[80.9, 88.9]	100.0
Hispanic (n=169)	22.0	[15.1, 30.9]	78.0	[69.1, 84.9]	100.0
Other, non-Hispanic (n=248)	14.1	[9.8, 19.9]	85.9	[80.1, 90.2]	100.0
Pearson: Uncorrected chi2(3) =	30.2159				
Design-based F(2.99, 7554.87) =	5.9312	Pr =	0.000		
FPL category					
0-35% (n=960)	22.3	[19.4, 25.5]	77.7	[74.5, 80.6]	100.0
36-99% (n=947)	18.6	[16.1, 21.4]	81.4	[78.6, 83.9]	100.0
100%+ (n=695)	17.8	[14.8, 21.2]	82.2	[78.8, 85.2]	100.0
Pearson: Uncorrected chi2(2) =	6.6172				
Design-based F(1.91, 4948.54) =	3.0003	Pr =	0.052		
Region					
UP/NW/NE (n=518)	25.1	[21.0, 29.7]	74.9	[70.3, 79.0]	100.0
W/E Central/E (n=770)	23.0	[19.7, 26.6]	77.0	[73.4, 80.3]	100.0
S Central/SW/SE (n=523)	27.2	[22.9, 32.0]	72.8	[68.0, 77.1]	100.0
Detroit Metro (n=791)	15.0	[12.2, 18.3]	85.0	[81.7, 87.8]	100.0
Pearson: Uncorrected chi2(3) =	41.3522				
Design-based F(2.66, 6878.51) =	10.6756	Pr =	0.000		
Chronic condition (2018 survey or DW)					
No (n=958)	15.1	[12.6, 18.0]	84.9	[82.0, 87.4]	100.0
Yes (n=1,644)	24.1	[21.6, 26.8]	75.9	[73.2, 78.4]	100.0
Pearson: Uncorrected chi2(1) =	30.9753				
Design-based F(1.00, 2590.00) =	20.1574	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	0.2	[0.0, 0.7]	99.8	[99.3, 100.0]	100.0
Mental health condition and substance use disorder (n=301)	60.9	[53.7, 67.6]	39.1	[32.4, 46.3]	100.0
Mental health condition (n=944)	36.9	[33.1, 40.8]	63.1	[59.2, 66.9]	100.0
Substance use disorder (n=100)	13.0	[6.9, 23.0]	87.0	[77.0, 93.1]	100.0
Pearson: Uncorrected chi2(3) =	805.3810				
Design-based F(2.97, 7681.56) =	185.2428	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	20.6	[17.9, 23.5]	79.4	[76.5, 82.1]	100.0
Associate's degree/Some college (n=1,003)	20.9	[18.0, 24.2]	79.1	[75.8, 82.0]	100.0
Bachelor's/Post graduate degree (n=338)	19.1	[14.6, 24.7]	80.9	[75.3, 85.4]	100.0
Pearson: Uncorrected chi2(2) =	0.4749				
Design-based F(1.99, 5130.94) =	0.1627	Pr =	0.849		
Total (n=2,602)	20.5	[18.6, 22.5]	79.5	[77.5, 81.4]	100.0

Note: χ^2 test of independence.

5.21.2 Any mental health or substance use visit (DW) by selected characteristics (continued)

	Any mental health or substance use visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Homeless in last 12 months					
Yes (n=155)	31.0	[23.5, 39.7]	69.0	[60.3, 76.5]	100.0
No (n=2,444)	19.6	[17.7, 21.6]	80.4	[78.4, 82.3]	100.0
Pearson: Uncorrected chi2(1) =	15.3149				
Design-based F(1.00, 2587.00) =	9.0798	Pr =	0.003		
Need help reading written materials					
Sometimes/Often/Always (n=403)	26.5	[21.8, 31.9]	73.5	[68.1, 78.2]	100.0
Never/Rarely (n=2,193)	19.3	[17.3, 21.5]	80.7	[78.5, 82.7]	100.0
Pearson: Uncorrected chi2(1) =	11.3863				
Design-based F(1.00, 2584.00) =	7.7034	Pr =	0.006		
Drug use in last 30 days					
Yes (n=126)	27.0	[18.8, 37.2]	73.0	[62.8, 81.2]	100.0
No (n=2,472)	20.0	[18.1, 22.0]	80.0	[78.0, 81.9]	100.0
Pearson: Uncorrected chi2(1) =	4.6147				
Design-based F(1.00, 2586.00) =	2.5391	Pr =	0.111		
Knowledge that mental health counseling is covered					
Yes (n=1,521)	30.3	[27.5, 33.3]	69.7	[66.7, 72.5]	100.0
No/Don't know (n=1,081)	6.9	[5.3, 9.0]	93.1	[91.0, 94.7]	100.0
Pearson: Uncorrected chi2(1) =	213.1677				
Design-based F(1.00, 2590.00) =	139.1114	Pr =	0.000		
Mood disorder and/or substance use disorder					
Yes (n=875)	46.6	[42.5, 50.7]	53.4	[49.3, 57.5]	100.0
No (n=1,727)	7.7	[6.3, 9.3]	92.3	[90.7, 93.7]	100.0
Pearson: Uncorrected chi2(1) =	533.5493				
Design-based F(1.00, 2590.00) =	369.8590	Pr =	0.000		
Total (n=2,602)	20.5	[18.6, 22.5]	79.5	[77.5, 81.4]	100.0

Note: χ^2 test of independence.

5.21.3 Predictors of any mental health or substance use visit (DW)

	Any mental health or substance use visit (DW)			Any mental health or substance use visit (DW)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
Homeless in last 12 months						
No		Reference			Reference	
Yes	1.04	[0.626, 1.723]	0.882	1.21	[0.744, 1.978]	0.439
Need help reading written materials						
Never/Rarely		Reference			Reference	
Sometimes/Often/Always	1.50	[0.990, 2.266]	0.056	1.42	[0.961, 2.086]	0.079
Drug use in last 30 days						
No		Reference			Reference	
Yes	0.56	[0.315, 0.991]	0.047	0.83	[0.446, 1.536]	0.549
Knowledge that mental health counseling is covered						
No/Don't know		Reference			Reference	
Yes	4.15	[2.850, 6.051]	0.000	4.50	[3.183, 6.357]	0.000
Age						
19-35		Reference			Reference	
36-49	0.94	[0.640, 1.366]	0.728	1.20	[0.841, 1.719]	0.311
50-64	0.58	[0.389, 0.856]	0.006	0.70	[0.487, 1.006]	0.054
Gender						
Male		Reference			Reference	
Female	1.20	[0.866, 1.669]	0.271	1.01	[0.757, 1.336]	0.971
Race/ethnicity						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.95	[0.584, 1.532]	0.820	0.83	[0.536, 1.277]	0.392
Hispanic	0.79	[0.440, 1.428]	0.440	0.88	[0.502, 1.533]	0.645
Other, non-Hispanic	0.96	[0.552, 1.673]	0.889	0.99	[0.603, 1.617]	0.960
FPL category						
0-35%		Reference			Reference	
36-99%	0.99	[0.693, 1.405]	0.942	1.08	[0.779, 1.485]	0.657
100%+	0.99	[0.670, 1.449]	0.942	0.96	[0.673, 1.357]	0.800
Region						
UP/NW/NE		Reference			Reference	
W/E Central/E	0.87	[0.597, 1.256]	0.448	0.82	[0.560, 1.188]	0.288
S Central/SW/SE	1.24	[0.810, 1.885]	0.326	1.16	[0.771, 1.751]	0.474
Detroit Metro	0.89	[0.571, 1.386]	0.604	0.78	[0.502, 1.208]	0.264
Chronic condition (2018 survey or DW)						
No		Reference			Reference	
Yes	0.87	[0.599, 1.262]	0.462	1.13	[0.807, 1.575]	0.483
Mental health condition and/or substance use disorder (2018 survey or DW)						
None		Reference				
Mental health condition and substance use disorder	875.00	[185.329, 4131.165]	0.000			
Mental health condition	311.69	[68.266, 1423.145]	0.000			
Substance use disorder	108.47	[19.265, 610.755]	0.000			
Highest level of education						
High school or less		Reference			Reference	
Associate's degree/Some college	1.14	[0.823, 1.580]	0.429	0.95	[0.702, 1.273]	0.712
Bachelor's/Post graduate degree	1.17	[0.741, 1.851]	0.498	1.01	[0.642, 1.588]	0.968
Mood disorder and/or substance use disorder						
No					Reference	
Yes				7.78	[5.725, 10.563]	0.000
Constant	0.00	[0.000, 0.004]	0.000	0.04	[0.020, 0.064]	0.000
N	2,521			2,521		
F-value	8.186			17.775		
Model degrees of freedom	21.0			19.0		
Residual degrees of freedom	2,509.0			2,509.0		
F-value significance	0.000			0.000		

Notes: Multiple logistic regression.

5.22 ER visit in past 12 months

5.22.1 ER visit in past 12 months by selected characteristics

| | ER visit in past 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,246)	40.1	[36.6, 43.6]	59.9	[56.4, 63.4]	100.0
Associate's degree/Some college (n=996)	39.5	[35.7, 43.5]	60.5	[56.5, 64.3]	100.0
Bachelor's/Post graduate degree (n=336)	25.1	[19.9, 31.2]	74.9	[68.8, 80.1]	100.0
Pearson: Uncorrected chi2(2) =	24.8288				
Design-based F(1.98, 5087.39) =	8.0666	Pr =	0.000		
Homeless in last 12 months					
Yes (n=155)	54.8	[45.1, 64.2]	45.2	[35.8, 54.9]	100.0
No (n=2,429)	36.5	[34.1, 39.0]	63.5	[61.0, 65.9]	100.0
Pearson: Uncorrected chi2(1) =	27.4257				
Design-based F(1.00, 2572.00) =	13.6912	Pr =	0.000		
Number of places lived in past 3 years					
1-3 places (n=2,402)	37.8	[35.4, 40.3]	62.2	[59.7, 64.6]	100.0
4 or more places (n=164)	43.2	[34.0, 52.9]	56.8	[47.1, 66.0]	100.0
Pearson: Uncorrected chi2(1) =	2.0944				
Design-based F(1.00, 2554.00) =	1.1934	Pr =	0.275		
Need help reading written materials					
Sometimes/Often/Always (n=400)	41.3	[35.5, 47.3]	58.7	[52.7, 64.5]	100.0
Never/Rarely (n=2,182)	37.4	[34.8, 40.0]	62.6	[60.0, 65.2]	100.0
Pearson: Uncorrected chi2(1) =	2.2603				
Design-based F(1.00, 2570.00) =	1.4150	Pr =	0.234		
Health status					
Excellent/Very good/Good (n=1,936)	33.9	[31.2, 36.7]	66.1	[63.3, 68.8]	100.0
Fair/Poor (n=650)	50.9	[46.2, 55.5]	49.1	[44.5, 53.8]	100.0
Pearson: Uncorrected chi2(1) =	58.4233				
Design-based F(1.00, 2574.00) =	38.6467	Pr =	0.000		
Change in mental health status since HMP enrollment					
Gotten better (n=917)	38.8	[34.7, 43.0]	61.2	[57.0, 65.3]	100.0
Stayed the same (n=1,510)	35.3	[32.3, 38.4]	64.7	[61.6, 67.7]	100.0
Gotten worse (n=142)	64.5	[55.1, 72.9]	35.5	[27.1, 44.9]	100.0
Pearson: Uncorrected chi2(2) =	46.9777				
Design-based F(1.97, 5040.30) =	15.6575	Pr =	0.000		
Total (n=2,586)	38.0	[35.7, 40.5]	62.0	[59.5, 64.3]	100.0

Note: χ^2 test of independence.

5.22.2   ER visit in past 12 months by selected characteristics (continued)

	ER visit in past 12 months				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Regular source of care in last 12 months					
Doctor's office or clinic (n=2,071)	37.3	[34.7, 40.0]	62.7	[60.0, 65.3]	100.0
Urgent care/Walk-in clinic/ER/Other/None (n=515)	40.2	[35.0, 45.7]	59.8	[54.3, 65.0]	100.0
Pearson: Uncorrected chi2(1) =	1.7527				
Design-based F(1.00, 2574.00) =	0.9341	Pr =	0.334		
PCP appointment ease in past 12 months					
Very easy/Easy/Neutral (n=2,160)	37.7	[35.1, 40.3]	62.3	[59.7, 64.9]	100.0
Very difficult/Difficult (n=185)	53.5	[44.6, 62.3]	46.5	[37.7, 55.4]	100.0
Pearson: Uncorrected chi2(1) =	20.9799				
Design-based F(1.00, 2333.00) =	11.6520	Pr =	0.001		
Forgone health care in last 12 months					
Yes (n=200)	49.8	[41.2, 58.4]	50.2	[41.6, 58.8]	100.0
No (n=2,377)	36.9	[34.4, 39.4]	63.1	[60.6, 65.6]	100.0
Pearson: Uncorrected chi2(1) =	13.5681				
Design-based F(1.00, 2565.00) =	8.2241	Pr =	0.004		
Forgone dental care in last 12 months					
Yes (n=463)	42.3	[36.5, 48.2]	57.7	[51.8, 63.5]	100.0
No (n=2,101)	37.2	[34.6, 39.8]	62.8	[60.2, 65.4]	100.0
Pearson: Uncorrected chi2(1) =	4.2045				
Design-based F(1.00, 2552.00) =	2.4837	Pr =	0.115		
Total (n=2,586)	38.0	[35.7, 40.5]	62.0	[59.5, 64.3]	100.0

Note: χ^2 test of independence.

5.22.3 Predictors of ER visit in past 12 months

	ER visit in past 12 months		
	aOR	95% CI	p-value
Homeless in last 12 months			
No		Reference	
Yes	1.38	[0.848, 2.238]	0.196
Number of places lived in past 3 years			
1-3 places		Reference	
4 or more places	0.81	[0.499, 1.320]	0.399
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.03	[0.749, 1.416]	0.856
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.67	[0.510, 0.881]	0.004
Change in mental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	0.89	[0.688, 1.155]	0.385
Regular source of care in last 12 months			
Urgent care/Walk-in clinic/ER/Other/None		Reference	
Doctor's office or clinic	0.68	[0.486, 0.952]	0.025
PCP appointment ease in past 12 months			
Very difficult/Difficult		Reference	
Very easy/Easy/Neutral	0.76	[0.481, 1.188]	0.225
Forgone health care in last 12 months			
No		Reference	
Yes	1.41	[0.899, 2.218]	0.134
Forgone dental care in last 12 months			
No		Reference	
Yes	1.19	[0.867, 1.630]	0.282
Age			
19-35		Reference	
36-49	0.78	[0.568, 1.059]	0.109
50-64	0.70	[0.511, 0.946]	0.021
Gender			
Male		Reference	
Female	1.10	[0.861, 1.412]	0.439
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.53	[1.077, 2.184]	0.018
Hispanic	0.85	[0.548, 1.309]	0.454
Other, non-Hispanic	0.80	[0.526, 1.230]	0.314
FPL category			
0-35%		Reference	
36-99%	0.94	[0.725, 1.223]	0.654
100%+	0.94	[0.711, 1.252]	0.688
Region			
UP/NW/NE		Reference	
W/E Central/E	1.29	[0.960, 1.745]	0.091
S Central/SW/SE	1.50	[1.070, 2.106]	0.019
Detroit Metro	1.14	[0.806, 1.608]	0.460
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.93	[1.451, 2.575]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	3.39	[2.274, 5.040]	0.000
Mental health condition	2.07	[1.569, 2.737]	0.000
Substance use disorder	2.13	[1.195, 3.781]	0.010
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.12	[0.863, 1.441]	0.403
Bachelor's/Post graduate degree	0.57	[0.382, 0.837]	0.004
Constant	0.55	[0.281, 1.067]	0.077
N	2,227		
F-value	5.762		
Model degrees of freedom	26.0		
Residual degrees of freedom	2,215.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.23 Any ER visit (DW)

5.23.1 Any ER visit (DW) by selected characteristics

| | Any ER visit (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	50.2	[46.4, 53.9]	49.8	[46.1, 53.6]	100.0
36-49 (n=696)	52.9	[48.3, 57.5]	47.1	[42.5, 51.7]	100.0
50-64 (n=870)	46.4	[42.3, 50.5]	53.6	[49.5, 57.7]	100.0
Pearson: Uncorrected chi2(2) =	5.4700				
Design-based F(1.94, 5032.75) =	1.8969	Pr =	0.151		
Gender					
Male (n=1,055)	47.3	[43.5, 51.1]	52.7	[48.9, 56.5]	100.0
Female (n=1,547)	52.8	[49.7, 55.8]	47.2	[44.2, 50.3]	100.0
Pearson: Uncorrected chi2(1) =	7.7431				
Design-based F(1.00, 2590.00) =	4.7781	Pr =	0.029		
Race/ethnicity					
White, non-Hispanic (n=1,696)	48.7	[45.7, 51.7]	51.3	[48.3, 54.3]	100.0
Black, non-Hispanic (n=422)	60.1	[54.1, 65.8]	39.9	[34.2, 45.9]	100.0
Hispanic (n=169)	49.8	[40.8, 58.8]	50.2	[41.2, 59.2]	100.0
Other, non-Hispanic (n=248)	39.9	[33.0, 47.3]	60.1	[52.7, 67.0]	100.0
Pearson: Uncorrected chi2(3) =	36.6587				
Design-based F(2.97, 7493.74) =	7.0262	Pr =	0.000		
FPL category					
0-35% (n=960)	51.3	[47.5, 55.2]	48.7	[44.8, 52.5]	100.0
36-99% (n=947)	48.3	[44.7, 51.9]	51.7	[48.1, 55.3]	100.0
100%+ (n=695)	48.5	[44.2, 52.7]	51.5	[47.3, 55.8]	100.0
Pearson: Uncorrected chi2(2) =	2.2706				
Design-based F(1.89, 4902.44) =	0.9322	Pr =	0.389		
Region					
UP/NW/NE (n=518)	43.0	[38.3, 47.9]	57.0	[52.1, 61.7]	100.0
W/E Central/E (n=770)	53.4	[49.3, 57.4]	46.6	[42.6, 50.7]	100.0
S Central/SW/SE (n=523)	55.2	[50.2, 60.1]	44.8	[39.9, 49.8]	100.0
Detroit Metro (n=791)	47.0	[42.7, 51.3]	53.0	[48.7, 57.3]	100.0
Pearson: Uncorrected chi2(3) =	17.3698				
Design-based F(2.64, 6834.73) =	4.6716	Pr =	0.004		
Chronic condition (2018 survey or DW)					
No (n=958)	39.2	[35.4, 43.2]	60.8	[56.8, 64.6]	100.0
Yes (n=1,644)	57.2	[54.2, 60.3]	42.8	[39.7, 45.8]	100.0
Pearson: Uncorrected chi2(1) =	81.1810				
Design-based F(1.00, 2590.00) =	49.2810	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	38.7	[35.3, 42.2]	61.3	[57.8, 64.7]	100.0
Mental health condition and substance use disorder (n=301)	74.9	[68.2, 80.6]	25.1	[19.4, 31.8]	100.0
Mental health condition (n=944)	55.6	[51.6, 59.5]	44.4	[40.5, 48.4]	100.0
Substance use disorder (n=100)	68.5	[57.7, 77.5]	31.5	[22.5, 42.3]	100.0
Pearson: Uncorrected chi2(3) =	172.2454				
Design-based F(2.94, 7624.45) =	38.1952	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	53.7	[50.2, 57.2]	46.3	[42.8, 49.8]	100.0
Associate's degree/Some college (n=1,003)	49.5	[45.5, 53.5]	50.5	[46.5, 54.5]	100.0
Bachelor's/Post graduate degree (n=338)	37.2	[31.2, 43.6]	62.8	[56.4, 68.8]	100.0
Pearson: Uncorrected chi2(2) =	27.3334				
Design-based F(1.98, 5114.20) =	8.9149	Pr =	0.000		
Total (n=2,602)	50.0	[47.5, 52.4]	50.0	[47.6, 52.5]	100.0

Note: χ^2 test of independence.

5.23.2 Any ER visit (DW) by selected characteristics (continued)

	Any ER visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Homeless in last 12 months					
Yes (n=155)	68.9	[59.3, 77.0]	31.1	[23.0, 40.7]	100.0
No (n=2,444)	48.3	[45.8, 50.9]	51.7	[49.1, 54.2]	100.0
Pearson: Uncorrected chi2(1) =	32.3929				
Design-based F(1.00, 2587.00) =	16.3411	Pr =	0.000		
Number of places lived in past 3 years					
1-3 places (n=2,416)	48.9	[46.4, 51.5]	51.1	[48.5, 53.6]	100.0
4 or more places (n=164)	68.1	[58.5, 76.4]	31.9	[23.6, 41.5]	100.0
Pearson: Uncorrected chi2(1) =	25.1076				
Design-based F(1.00, 2568.00) =	14.1185	Pr =	0.000		
Need help reading written materials					
Sometimes/Often/Always (n=403)	53.7	[47.6, 59.6]	46.3	[40.4, 52.4]	100.0
Never/Rarely (n=2,193)	49.3	[46.7, 52.0]	50.7	[48.0, 53.3]	100.0
Pearson: Uncorrected chi2(1) =	2.6640				
Design-based F(1.00, 2584.00) =	1.6441	Pr =	0.200		
Health status					
Excellent/Very good/Good (n=1,948)	46.5	[43.6, 49.3]	53.5	[50.7, 56.4]	100.0
Fair/Poor (n=654)	60.9	[56.3, 65.3]	39.1	[34.7, 43.7]	100.0
Pearson: Uncorrected chi2(1) =	40.0604				
Design-based F(1.00, 2590.00) =	26.8832	Pr =	0.000		
Change in mental health status since HMP enrollment					
Gotten better (n=925)	49.6	[45.4, 53.8]	50.4	[46.2, 54.6]	100.0
Stayed the same (n=1,517)	48.4	[45.2, 51.6]	51.6	[48.4, 54.8]	100.0
Gotten worse (n=142)	72.5	[63.7, 79.9]	27.5	[20.1, 36.3]	100.0
Pearson: Uncorrected chi2(2) =	30.0981				
Design-based F(1.96, 5037.28) =	10.4111	Pr =	0.000		
Regular source of care in last 12 months					
Doctor's office or clinic (n=2,082)	49.2	[46.5, 51.9]	50.8	[48.1, 53.5]	100.0
Urgent care/Walk-in clinic/ER/Other/None (n=520)	52.5	[47.1, 57.8]	47.5	[42.2, 52.9]	100.0
Pearson: Uncorrected chi2(1) =	2.1106				
Design-based F(1.00, 2590.00) =	1.1326	Pr =	0.287		
PCP appointment ease in past 12 months					
Very easy/Easy/Neutral (n=2,171)	50.0	[47.3, 52.7]	50.0	[47.3, 52.7]	100.0
Very difficult/Difficult (n=188)	63.7	[55.0, 71.7]	36.3	[28.3, 45.0]	100.0
Pearson: Uncorrected chi2(1) =	15.1392				
Design-based F(1.00, 2347.00) =	8.6044	Pr =	0.003		
Forgone health care in last 12 months					
Yes (n=203)	53.9	[45.1, 62.4]	46.1	[37.6, 54.9]	100.0
No (n=2,390)	49.6	[47.0, 52.1]	50.4	[47.9, 53.0]	100.0
Pearson: Uncorrected chi2(1) =	1.4303				
Design-based F(1.00, 2581.00) =	0.8507	Pr =	0.356		
Forgone dental care in last 12 months					
Yes (n=467)	52.2	[46.4, 58.0]	47.8	[42.0, 53.6]	100.0
No (n=2,113)	49.6	[46.9, 52.3]	50.4	[47.7, 53.1]	100.0
Pearson: Uncorrected chi2(1) =	1.0435				
Design-based F(1.00, 2568.00) =	0.6298	Pr =	0.427		
Total (n=2,602)	50.0	[47.5, 52.4]	50.0	[47.6, 52.5]	100.0

Note: χ^2 test of independence.

5.23.3 Predictors of any ER visit (DW)

	Any ER visit (DW)		
	aOR	95% CI	p-value
Homeless in last 12 months			
No		Reference	
Yes	1.35	[0.811, 2.262]	0.247
Number of places lived in past 3 years			
1-3 places		Reference	
4 or more places	1.81	[1.142, 2.881]	0.012
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.09	[0.792, 1.495]	0.603
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.70	[0.535, 0.927]	0.012
Change in mental health status since HMP enrollment			
Gotten worse/Stayed the same		Reference	
Gotten better	0.81	[0.636, 1.035]	0.092
Regular source of care in last 12 months			
Urgent care/Walk-in clinic/ER/Other/None		Reference	
Doctor's office or clinic	0.67	[0.477, 0.943]	0.022
PCP appointment ease in past 12 months			
Very difficult/Difficult		Reference	
Very easy/Easy/Neutral	0.82	[0.529, 1.277]	0.384
Forgone health care in last 12 months			
No		Reference	
Yes	1.03	[0.663, 1.589]	0.907
Forgone dental care in last 12 months			
No		Reference	
Yes	1.03	[0.763, 1.391]	0.848
Age			
19-35		Reference	
36-49	0.83	[0.612, 1.122]	0.224
50-64	0.59	[0.439, 0.791]	0.000
Gender			
Male		Reference	
Female	1.40	[1.104, 1.776]	0.006
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.84	[1.306, 2.579]	0.000
Hispanic	1.31	[0.861, 1.992]	0.207
Other, non-Hispanic	0.68	[0.455, 1.030]	0.069
FPL category			
0-35%		Reference	
36-99%	1.06	[0.818, 1.363]	0.677
100%+	1.12	[0.852, 1.471]	0.417
Region			
UP/NW/NE		Reference	
W/E Central/E	1.46	[1.092, 1.949]	0.011
S Central/SW/SE	1.64	[1.190, 2.258]	0.003
Detroit Metro	1.27	[0.914, 1.762]	0.155
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.90	[1.452, 2.478]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	3.86	[2.487, 5.978]	0.000
Mental health condition	1.93	[1.495, 2.493]	0.000
Substance use disorder	1.99	[1.174, 3.374]	0.011
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.92	[0.715, 1.173]	0.485
Bachelor's/Post graduate degree	0.56	[0.380, 0.820]	0.003
Constant	0.73	[0.389, 1.382]	0.337
N	2,239		
F-value	6.570		
Model degrees of freedom	26.0		
Residual degrees of freedom	2,227.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.24 Any inpatient visit (DW)

5.24.1 Any inpatient visit (DW) by selected characteristics

| | Any inpatient visit (DW) | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Age					
19-35 (n=1,036)	9.6	[7.7, 11.9]	90.4	[88.1, 92.3]	100.0
36-49 (n=696)	18.5	[15.2, 22.3]	81.5	[77.7, 84.8]	100.0
50-64 (n=870)	21.1	[17.8, 24.8]	78.9	[75.2, 82.2]	100.0
Pearson: Uncorrected chi2(2) =	55.3727				
Design-based F(1.97, 5111.67) =	19.3551	Pr =	0.000		
Gender					
Male (n=1,055)	14.7	[12.3, 17.4]	85.3	[82.6, 87.7]	100.0
Female (n=1,547)	14.5	[12.5, 16.6]	85.5	[83.4, 87.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0301				
Design-based F(1.00, 2590.00) =	0.0206	Pr =	0.886		
Race/ethnicity					
White, non-Hispanic (n=1,696)	14.5	[12.6, 16.7]	85.5	[83.3, 87.4]	100.0
Black, non-Hispanic (n=422)	15.9	[12.2, 20.6]	84.1	[79.4, 87.8]	100.0
Hispanic (n=169)	20.0	[13.8, 28.1]	80.0	[71.9, 86.2]	100.0
Other, non-Hispanic (n=248)	9.1	[6.2, 13.2]	90.9	[86.8, 93.8]	100.0
Pearson: Uncorrected chi2(3) =	12.8141				
Design-based F(2.92, 7362.40) =	2.8660	Pr =	0.037		
FPL category					
0-35% (n=960)	16.5	[14.1, 19.4]	83.5	[80.6, 85.9]	100.0
36-99% (n=947)	11.7	[9.6, 14.0]	88.3	[86.0, 90.4]	100.0
100%+ (n=695)	13.0	[10.4, 16.0]	87.0	[84.0, 89.6]	100.0
Pearson: Uncorrected chi2(2) =	10.1978				
Design-based F(1.93, 5003.26) =	4.7975	Pr =	0.009		
Region					
UP/NW/NE (n=518)	12.7	[9.9, 16.0]	87.3	[84.0, 90.1]	100.0
W/E Central/E (n=770)	14.2	[11.6, 17.2]	85.8	[82.8, 88.4]	100.0
S Central/SW/SE (n=523)	16.4	[12.9, 20.6]	83.6	[79.4, 87.1]	100.0
Detroit Metro (n=791)	14.4	[11.8, 17.4]	85.6	[82.6, 88.2]	100.0
Pearson: Uncorrected chi2(3) =	2.1751				
Design-based F(2.63, 6823.71) =	0.6229	Pr =	0.580		
Chronic condition (2018 survey or DW)					
No (n=958)	7.7	[5.9, 10.1]	92.3	[89.9, 94.1]	100.0
Yes (n=1,644)	19.2	[17.0, 21.6]	80.8	[78.4, 83.0]	100.0
Pearson: Uncorrected chi2(1) =	65.8966				
Design-based F(1.00, 2590.00) =	40.1542	Pr =	0.000		
Mental health condition and/or substance use disorder (2018 survey or DW)					
None (n=1,257)	9.4	[7.7, 11.5]	90.6	[88.5, 92.3]	100.0
Mental health condition and substance use disorder (n=301)	35.4	[29.1, 42.2]	64.6	[57.8, 70.9]	100.0
Mental health condition (n=944)	12.1	[9.8, 14.9]	87.9	[85.1, 90.2]	100.0
Substance use disorder (n=100)	35.6	[25.2, 47.6]	64.4	[52.4, 74.8]	100.0
Pearson: Uncorrected chi2(3) =	181.5429				
Design-based F(2.99, 7751.53) =	40.8417	Pr =	0.000		
Highest level of education					
High school or less (n=1,252)	17.0	[14.6, 19.7]	83.0	[80.3, 85.4]	100.0
Associate's degree/Some college (n=1,003)	12.7	[10.4, 15.5]	87.3	[84.5, 89.6]	100.0
Bachelor's/Post graduate degree (n=338)	11.0	[7.7, 15.4]	89.0	[84.6, 92.3]	100.0
Pearson: Uncorrected chi2(2) =	12.0511				
Design-based F(1.98, 5099.14) =	4.4153	Pr =	0.012		
Total (n=2,602)	14.6	[13.0, 16.3]	85.4	[83.7, 87.0]	100.0

Note: χ^2 test of independence.

5.24.2 Any inpatient visit (DW) by selected characteristics (continued)

	Any inpatient visit (DW)				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Homeless in last 12 months					
Yes (n=155)	18.3	[12.4, 26.1]	81.7	[73.9, 87.6]	100.0
No (n=2,444)	14.2	[12.6, 16.0]	85.8	[84.0, 87.4]	100.0
Pearson: Uncorrected chi2(1) =	2.5797				
Design-based F(1.00, 2587.00) =	1.5591	Pr =	0.212		
Need help reading written materials					
Sometimes/Often/Always (n=403)	21.8	[17.3, 27.2]	78.2	[72.8, 82.7]	100.0
Never/Rarely (n=2,193)	13.2	[11.6, 15.0]	86.8	[85.0, 88.4]	100.0
Pearson: Uncorrected chi2(1) =	21.1806				
Design-based F(1.00, 2584.00) =	13.5601	Pr =	0.000		
Insurance status in 12 months prior to HMP					
Insured some or all 12 months (n=1,462)	13.0	[11.1, 15.3]	87.0	[84.7, 88.9]	100.0
Uninsured all 12 months/Don't know (n=1,140)	16.4	[14.0, 19.2]	83.6	[80.8, 86.0]	100.0
Pearson: Uncorrected chi2(1) =	5.9432				
Design-based F(1.00, 2590.00) =	4.0310	Pr =	0.045		
Total (n=2,602)	14.6	[13.0, 16.3]	85.4	[83.7, 87.0]	100.0

Note: χ^2 test of independence.

5.24.3 Predictors of any inpatient visit (DW)

	Any inpatient visit (DW)		
	aOR	95% CI	p-value
Homeless in last 12 months			
No		Reference	
Yes	0.94	[0.586, 1.520]	0.811
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.52	[1.064, 2.158]	0.021
Insurance status in 12 months prior to HMP			
Uninsured all 12 months/Don't know		Reference	
Insured some or all 12 months	0.91	[0.678, 1.223]	0.533
Age			
19-35		Reference	
36-49	1.50	[1.045, 2.158]	0.028
50-64	1.69	[1.185, 2.411]	0.004
Gender			
Male		Reference	
Female	1.30	[0.964, 1.762]	0.085
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.06	[0.712, 1.586]	0.766
Hispanic	1.68	[1.006, 2.789]	0.047
Other, non-Hispanic	0.63	[0.387, 1.029]	0.065
FPL category			
0-35%		Reference	
36-99%	0.90	[0.654, 1.244]	0.530
100%+	1.04	[0.741, 1.468]	0.811
Region			
UP/NW/NE		Reference	
W/E Central/E	1.24	[0.837, 1.831]	0.284
S Central/SW/SE	1.48	[0.956, 2.306]	0.079
Detroit Metro	1.63	[1.082, 2.457]	0.020
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.91	[1.341, 2.725]	0.000
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	4.45	[2.972, 6.678]	0.000
Mental health condition	1.14	[0.804, 1.618]	0.462
Substance use disorder	4.09	[2.314, 7.243]	0.000
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	0.87	[0.639, 1.183]	0.372
Bachelor's/Post graduate degree	0.73	[0.466, 1.132]	0.158
Constant	0.04	[0.020, 0.069]	0.000
N	2,523		
F-value	7.673		
Model degrees of freedom	20.0		
Residual degrees of freedom	2,511.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.25 Checked cost before receiving care in past 12 months

5.25.1 Checked cost before receiving care in past 12 months by selected characteristics

| | Checked cost before receiving care in past 12 months | | | | Total |
| | Yes | | No | | |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,232)	19.1	[16.6, 22.0]	80.9	[78.0, 83.4]	100.0
Associate's degree/Some college (n=992)	28.2	[24.7, 31.9]	71.8	[68.1, 75.3]	100.0
Bachelor's/Post graduate degree (n=333)	34.3	[28.3, 40.9]	65.7	[59.1, 71.7]	100.0
Pearson: Uncorrected chi2(2) =	42.5406				
Design-based F(1.99, 5069.73) =	14.0072	Pr =	0.000		
Need help reading written materials					
Sometimes/Often/Always (n=392)	22.8	[18.1, 28.4]	77.2	[71.6, 81.9]	100.0
Never/Rarely (n=2,169)	24.9	[22.6, 27.2]	75.1	[72.8, 77.4]	100.0
Pearson: Uncorrected chi2(1) =	0.7627				
Design-based F(1.00, 2549.00) =	0.4754	Pr =	0.491		
Health status					
Excellent/Very good/Good (n=1,920)	24.8	[22.5, 27.4]	75.2	[72.6, 77.5]	100.0
Fair/Poor (n=646)	23.5	[19.8, 27.7]	76.5	[72.3, 80.2]	100.0
Pearson: Uncorrected chi2(1) =	0.4385				
Design-based F(1.00, 2554.00) =	0.2941	Pr =	0.588		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,439)	28.9	[25.9, 32.0]	71.1	[68.0, 74.1]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=277)	23.4	[17.7, 30.3]	76.6	[69.7, 82.3]	100.0
Pearson: Uncorrected chi2(1) =	3.8863				
Design-based F(1.00, 1704.00) =	2.1429	Pr =	0.143		
Any primary care visit, 13-24 months before sampling (DW)					
Yes (n=1,718)	24.1	[21.6, 26.8]	75.9	[73.2, 78.4]	100.0
No (n=848)	25.2	[21.8, 28.9]	74.8	[71.1, 78.2]	100.0
Pearson: Uncorrected chi2(1) =	0.3738				
Design-based F(1.00, 2554.00) =	0.2271	Pr =	0.634		
Any other outpatient visit, 13-24 months before sampling (DW)					
Yes (n=1,054)	25.1	[21.9, 28.6]	74.9	[71.4, 78.1]	100.0
No (n=1,512)	24.1	[21.6, 26.9]	75.9	[73.1, 78.4]	100.0
Pearson: Uncorrected chi2(1) =	0.3107				
Design-based F(1.00, 2554.00) =	0.1989	Pr =	0.656		
Any ER visit, 13-24 months before sampling (DW)					
Yes (n=817)	27.6	[23.8, 31.7]	72.4	[68.3, 76.2]	100.0
No (n=1,749)	23.0	[20.6, 25.5]	77.0	[74.5, 79.4]	100.0
Pearson: Uncorrected chi2(1) =	6.4141				
Design-based F(1.00, 2554.00) =	3.8966	Pr =	0.048		
Any inpatient visit, 13-24 months before sampling (DW)					
Yes (n=224)	27.3	[20.8, 35.0]	72.7	[65.0, 79.2]	100.0
No (n=2,342)	24.3	[22.1, 26.5]	75.7	[73.5, 77.9]	100.0
Pearson: Uncorrected chi2(1) =	0.9874				
Design-based F(1.00, 2554.00) =	0.6870	Pr =	0.407		
Total (n=2,566)	24.5	[22.5, 26.7]	75.5	[73.3, 77.5]	100.0

Note: χ^2 test of independence.

5.25.2 Predictors of checked cost before receiving care in past 12 months

	Checked cost before receiving care in past 12 months		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.22	[0.821, 1.824]	0.322
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.03	[0.744, 1.419]	0.868
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	1.38	[0.926, 2.048]	0.114
Any primary care visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.76	[0.553, 1.056]	0.104
Any other outpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.99	[0.727, 1.344]	0.940
Any ER visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.06	[0.783, 1.439]	0.700
Any inpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.12	[0.705, 1.781]	0.630
Age			
19-35		Reference	
36-49	0.86	[0.598, 1.225]	0.394
50-64	0.67	[0.462, 0.984]	0.041
Gender			
Male		Reference	
Female	1.29	[0.957, 1.730]	0.096
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.70	[0.441, 1.097]	0.118
Hispanic	1.59	[0.941, 2.692]	0.083
Other, non-Hispanic	1.01	[0.607, 1.666]	0.982
FPL category			
0-35%		Reference	
36-99%	0.89	[0.642, 1.236]	0.489
100%+	0.84	[0.598, 1.188]	0.328
Region			
UP/NW/NE		Reference	
W/E Central/E	0.90	[0.633, 1.287]	0.572
S Central/SW/SE	0.60	[0.401, 0.906]	0.015
Detroit Metro	1.29	[0.869, 1.926]	0.204
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.09	[0.781, 1.507]	0.626
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	2.24	[1.456, 3.449]	0.000
Mental health condition	1.25	[0.919, 1.713]	0.153
Substance use disorder	1.11	[0.481, 2.561]	0.807
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.58	[1.168, 2.128]	0.003
Bachelor's/Post graduate degree	2.02	[1.346, 3.021]	0.001
Constant	0.21	[0.111, 0.404]	0.000
N	1,674		
F-value	2.509		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,662.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.26 Compared quality ratings in past 12 months

5.26.1 Compared quality ratings in past 12 months by selected characteristics

	Compared quality ratings in past 12 months				Total
	Yes		**No**		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,236)	11.9	[9.7, 14.4]	88.1	[85.6, 90.3]	100.0
Associate's degree/Some college (n=998)	20.8	[17.7, 24.3]	79.2	[75.7, 82.3]	100.0
Bachelor's/Post graduate degree (n=335)	26.1	[20.4, 32.7]	73.9	[67.3, 79.6]	100.0
Pearson: Uncorrected chi2(2) =	51.1242				
Design-based F(2.00, 5102.10) =	15.3588	Pr =	0.000		
Need help reading written materials					
Sometimes/Often/Always (n=390)	13.7	[10.0, 18.4]	86.3	[81.6, 90.0]	100.0
Never/Rarely (n=2,183)	17.8	[15.8, 20.0]	82.2	[80.0, 84.2]	100.0
Pearson: Uncorrected chi2(1) =	4.0753				
Design-based F(1.00, 2561.00) =	2.5401	Pr =	0.111		
Health status					
Excellent/Very good/Good (n=1,932)	17.8	[15.6, 20.2]	82.2	[79.8, 84.4]	100.0
Fair/Poor (n=646)	15.1	[12.1, 18.7]	84.9	[81.3, 87.9]	100.0
Pearson: Uncorrected chi2(1) =	2.3613				
Design-based F(1.00, 2566.00) =	1.6163	Pr =	0.204		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,444)	20.3	[17.8, 23.2]	79.7	[76.8, 82.2]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=275)	15.2	[9.9, 22.5]	84.8	[77.5, 90.1]	100.0
Pearson: Uncorrected chi2(1) =	4.5257				
Design-based F(1.00, 1707.00) =	1.8750	Pr =	0.171		
Any primary care visit, 13-24 months before sampling (DW)					
Yes (n=1,725)	15.9	[13.8, 18.2]	84.1	[81.8, 86.2]	100.0
No (n=853)	19.1	[15.8, 22.9]	80.9	[77.1, 84.2]	100.0
Pearson: Uncorrected chi2(1) =	4.4728				
Design-based F(1.00, 2566.00) =	2.4447	Pr =	0.118		
Any other outpatient visit, 13-24 months before sampling (DW)					
Yes (n=1,058)	18.3	[15.4, 21.6]	81.7	[78.4, 84.6]	100.0
No (n=1,520)	16.4	[14.1, 19.0]	83.6	[81.0, 85.9]	100.0
Pearson: Uncorrected chi2(1) =	1.5478				
Design-based F(1.00, 2566.00) =	0.9133	Pr =	0.339		
Any ER visit, 13-24 months before sampling (DW)					
Yes (n=823)	19.4	[16.0, 23.3]	80.6	[76.7, 84.0]	100.0
No (n=1,755)	16.0	[13.9, 18.3]	84.0	[81.7, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	4.6944				
Design-based F(1.00, 2566.00) =	2.6015	Pr =	0.107		
Any inpatient visit, 13-24 months before sampling (DW)					
Yes (n=224)	17.5	[11.8, 25.1]	82.5	[74.9, 88.2]	100.0
No (n=2,354)	17.1	[15.2, 19.2]	82.9	[80.8, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	0.0271				
Design-based F(1.00, 2566.00) =	0.0160	Pr =	0.899		
Total (n=2,578)	17.1	[15.3, 19.1]	82.9	[80.9, 84.7]	100.0

Note: χ^2 test of independence.

5.26.2 Predictors of compared quality ratings in past 12 months

	Compared quality ratings in past 12 months		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.22	[0.776, 1.926]	0.387
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.81	[0.550, 1.205]	0.304
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	1.42	[0.821, 2.455]	0.210
Any primary care visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.90	[0.619, 1.295]	0.557
Any other outpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.86	[0.619, 1.204]	0.387
Any ER visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.21	[0.822, 1.778]	0.336
Any inpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.04	[0.577, 1.870]	0.900
Age			
19-35		Reference	
36-49	0.84	[0.550, 1.288]	0.427
50-64	0.69	[0.438, 1.072]	0.098
Gender			
Male		Reference	
Female	1.08	[0.765, 1.529]	0.657
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.51	[0.290, 0.887]	0.017
Hispanic	0.89	[0.479, 1.665]	0.720
Other, non-Hispanic	0.92	[0.518, 1.623]	0.766
FPL category			
0-35%		Reference	
36-99%	1.04	[0.713, 1.523]	0.832
100%+	0.67	[0.428, 1.035]	0.070
Region			
UP/NW/NE		Reference	
W/E Central/E	1.06	[0.690, 1.620]	0.797
S Central/SW/SE	1.04	[0.641, 1.693]	0.868
Detroit Metro	2.02	[1.263, 3.223]	0.003
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	0.83	[0.556, 1.240]	0.363
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	0.83	[0.449, 1.542]	0.559
Mental health condition	1.44	[1.011, 2.037]	0.043
Substance use disorder	0.49	[0.162, 1.487]	0.208
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.99	[1.379, 2.858]	0.000
Bachelor's/Post graduate degree	2.17	[1.356, 3.481]	0.001
Constant	0.14	[0.056, 0.336]	0.000
N	1,677		
F-value	2.324		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,665.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.27 Talked with provider about out-of-pocket costs in past 12 months

5.27.1 Talked with provider about out-of-pocket costs in past 12 months by selected characteristics

| | Talked with provider about out-of-pocket costs in past 12 months | | | | |
| | Yes | | No | | Total |
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,246)	14.7	[12.4, 17.4]	85.3	[82.6, 87.6]	100.0
Associate's degree/Some college (n=996)	21.7	[18.5, 25.3]	78.3	[74.7, 81.5]	100.0
Bachelor's/Post graduate degree (n=337)	27.8	[22.4, 34.0]	72.2	[66.0, 77.6]	100.0
Pearson: Uncorrected chi2(2) =	35.0999				
Design-based F(1.98, 5080.38) =	11.2346	Pr =	0.000		
Need help reading written materials					
Sometimes/Often/Always (n=396)	14.6	[10.6, 19.9]	85.4	[80.1, 89.4]	100.0
Never/Rarely (n=2,187)	20.0	[17.9, 22.2]	80.0	[77.8, 82.1]	100.0
Pearson: Uncorrected chi2(1) =	6.3652				
Design-based F(1.00, 2571.00) =	3.5165	Pr =	0.061		
Health status					
Excellent/Very good/Good (n=1,938)	19.3	[17.1, 21.7]	80.7	[78.3, 82.9]	100.0
Fair/Poor (n=650)	18.4	[15.1, 22.3]	81.6	[77.7, 84.9]	100.0
Pearson: Uncorrected chi2(1) =	0.2443				
Design-based F(1.00, 2576.00) =	0.1649	Pr =	0.685		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,447)	21.8	[19.2, 24.6]	78.2	[75.4, 80.8]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	19.9	[14.6, 26.5]	80.1	[73.5, 85.4]	100.0
Pearson: Uncorrected chi2(1) =	0.5189				
Design-based F(1.00, 1714.00) =	0.2853	Pr =	0.593		
Any primary care visit, 13-24 months before sampling (DW)					
Yes (n=1,731)	19.2	[16.9, 21.7]	80.8	[78.3, 83.1]	100.0
No (n=857)	18.9	[15.8, 22.4]	81.1	[77.6, 84.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0366				
Design-based F(1.00, 2576.00) =	0.0212	Pr =	0.884		
Any other outpatient visit, 13-24 months before sampling (DW)					
Yes (n=1,062)	19.2	[16.3, 22.5]	80.8	[77.5, 83.7]	100.0
No (n=1,526)	19.0	[16.6, 21.7]	81.0	[78.3, 83.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0083				
Design-based F(1.00, 2576.00) =	0.0051	Pr =	0.943		
Any ER visit, 13-24 months before sampling (DW)					
Yes (n=826)	20.1	[16.7, 24.0]	79.9	[76.0, 83.3]	100.0
No (n=1,762)	18.6	[16.4, 21.0]	81.4	[79.0, 83.6]	100.0
Pearson: Uncorrected chi2(1) =	0.8254				
Design-based F(1.00, 2576.00) =	0.4697	Pr =	0.493		
Any inpatient visit, 13-24 months before sampling (DW)					
Yes (n=225)	13.6	[8.9, 20.2]	86.4	[79.8, 91.1]	100.0
No (n=2,363)	19.6	[17.6, 21.7]	80.4	[78.3, 82.4]	100.0
Pearson: Uncorrected chi2(1) =	4.5383				
Design-based F(1.00, 2576.00) =	3.0628	Pr =	0.080		
Total (n=2,588)	19.1	[17.2, 21.1]	80.9	[78.9, 82.8]	100.0

Note: χ^2 test of independence.

5.27.2 Predictors of talking with provider about out-of-pocket costs in past 12 months

	Talked with provider about out-of-pocket costs in past 12 months		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	0.85	[0.508, 1.426]	0.540
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	1.05	[0.720, 1.541]	0.788
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	0.97	[0.633, 1.483]	0.883
Any primary care visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.99	[0.692, 1.420]	0.962
Any other outpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.88	[0.636, 1.221]	0.447
Any ER visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.01	[0.718, 1.410]	0.971
Any inpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.59	[0.345, 1.003]	0.051
Age			
19-35		Reference	
36-49	0.66	[0.441, 0.979]	0.039
50-64	1.17	[0.794, 1.723]	0.427
Gender			
Male		Reference	
Female	2.32	[1.667, 3.240]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.00	[0.624, 1.601]	0.999
Hispanic	1.46	[0.834, 2.556]	0.186
Other, non-Hispanic	1.57	[0.932, 2.640]	0.090
FPL category			
0-35%		Reference	
36-99%	0.92	[0.647, 1.314]	0.652
100%+	1.01	[0.702, 1.457]	0.951
Region			
UP/NW/NE		Reference	
W/E Central/E	1.05	[0.726, 1.507]	0.809
S Central/SW/SE	0.76	[0.484, 1.208]	0.250
Detroit Metro	0.88	[0.575, 1.360]	0.575
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.27	[0.885, 1.825]	0.195
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.64	[0.941, 2.873]	0.081
Mental health condition	1.29	[0.925, 1.806]	0.133
Substance use disorder	1.57	[0.644, 3.835]	0.321
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.64	[1.179, 2.294]	0.003
Bachelor's/Post graduate degree	1.85	[1.199, 2.860]	0.005
Constant	0.10	[0.048, 0.208]	0.000
N	1,684		
F-value	2.866		
Model degrees of freedom	24.0		
Residual degrees of freedom	1,672.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

5.28 Asked for less costly prescription in past 12 months

5.28.1 Asked for less costly prescription in past 12 months by selected characteristics

	Asked for less costly prescription in past 12 months				Total
	Yes		No		
	Row %	95% CI	Row %	95% CI	Row %
Highest level of education					
High school or less (n=1,242)	21.1	[18.5, 24.0]	78.9	[76.0, 81.5]	100.0
Associate's degree/Some college (n=997)	22.6	[19.7, 25.8]	77.4	[74.2, 80.3]	100.0
Bachelor's/Post graduate degree (n=337)	17.5	[13.3, 22.7]	82.5	[77.3, 86.7]	100.0
Pearson: Uncorrected chi2(2) =	3.8101				
Design-based F(1.99, 5096.30) =	1.4143	Pr =	0.243		
Need help reading written materials					
Sometimes/Often/Always (n=395)	22.3	[17.8, 27.6]	77.7	[72.4, 82.2]	100.0
Never/Rarely (n=2,185)	21.1	[19.2, 23.2]	78.9	[76.8, 80.8]	100.0
Pearson: Uncorrected chi2(1) =	0.2935				
Design-based F(1.00, 2568.00) =	0.1984	Pr =	0.656		
Health status					
Excellent/Very good/Good (n=1,934)	19.6	[17.6, 21.9]	80.4	[78.1, 82.4]	100.0
Fair/Poor (n=651)	26.3	[22.5, 30.3]	73.7	[69.7, 77.5]	100.0
Pearson: Uncorrected chi2(1) =	12.4651				
Design-based F(1.00, 2573.00) =	9.2573	Pr =	0.002		
Carefully review MIHA statement					
Strongly agree/Agree (n=1,447)	25.2	[22.6, 28.0]	74.8	[72.0, 77.4]	100.0
Strongly disagree/Disagree/Neutral/Don't know (n=279)	21.6	[16.5, 27.9]	78.4	[72.1, 83.5]	100.0
Pearson: Uncorrected chi2(1) =	1.8347				
Design-based F(1.00, 1714.00) =	1.1443	Pr =	0.285		
Any Rx claim, 13-24 months before sampling (DW)					
Yes (n=1,840)	24.5	[22.2, 26.9]	75.5	[73.1, 77.8]	100.0
No (n=745)	15.0	[12.2, 18.3]	85.0	[81.7, 87.8]	100.0
Pearson: Uncorrected chi2(1) =	31.2659				
Design-based F(1.00, 2573.00) =	19.6815	Pr =	0.000		
Any primary care visit, 13-24 months before sampling (DW)					
Yes (n=1,729)	24.7	[22.3, 27.2]	75.3	[72.8, 77.7]	100.0
No (n=856)	15.7	[13.1, 18.8]	84.3	[81.2, 86.9]	100.0
Pearson: Uncorrected chi2(1) =	29.0340				
Design-based F(1.00, 2573.00) =	19.2289	Pr =	0.000		
Any other outpatient visit, 13-24 months before sampling (DW)					
Yes (n=1,062)	25.1	[22.1, 28.4]	74.9	[71.6, 77.9]	100.0
No (n=1,523)	18.9	[16.7, 21.3]	81.1	[78.7, 83.3]	100.0
Pearson: Uncorrected chi2(1) =	14.1162				
Design-based F(1.00, 2573.00) =	10.0504	Pr =	0.002		
Any ER visit, 13-24 months before sampling (DW)					
Yes (n=823)	25.3	[22.0, 29.0]	74.7	[71.0, 78.0]	100.0
No (n=1,762)	19.2	[17.1, 21.5]	80.8	[78.5, 82.9]	100.0
Pearson: Uncorrected chi2(1) =	12.7507				
Design-based F(1.00, 2573.00) =	8.7979	Pr =	0.003		
Any inpatient visit, 13-24 months before sampling (DW)					
Yes (n=226)	24.3	[18.0, 31.9]	75.7	[68.1, 82.0]	100.0
No (n=2,359)	21.0	[19.1, 23.0]	79.0	[77.0, 80.9]	100.0
Pearson: Uncorrected chi2(1) =	1.2567				
Design-based F(1.00, 2573.00) =	0.8504	Pr =	0.357		
Total (n=2,585)	21.3	[19.4, 23.2]	78.7	[76.8, 80.6]	100.0

Note: χ^2 test of independence.

5.28.2 Predictors of asking for less costly prescription in past 12 months

	Asked for less costly prescription in past 12 months		
	aOR	95% CI	p-value
Need help reading written materials			
Never/Rarely		Reference	
Sometimes/Often/Always	1.03	[0.679, 1.575]	0.876
Health status			
Fair/Poor		Reference	
Excellent/Very good/Good	0.80	[0.572, 1.118]	0.191
Carefully review MIHA statement			
Strongly disagree/Disagree/Neutral/Don't know		Reference	
Strongly agree/Agree	1.24	[0.841, 1.830]	0.277
Any Rx claim, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.41	[0.931, 2.137]	0.105
Any primary care visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.26	[0.871, 1.835]	0.218
Any other outpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.90	[0.649, 1.255]	0.541
Any ER visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	1.14	[0.833, 1.565]	0.411
Any inpatient visit, 13-24 months before sampling (DW)			
No		Reference	
Yes	0.90	[0.530, 1.527]	0.696
Age			
19-35		Reference	
36-49	1.12	[0.780, 1.605]	0.542
50-64	1.14	[0.783, 1.671]	0.486
Gender			
Male		Reference	
Female	1.87	[1.386, 2.532]	0.000
Race/ethnicity			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.73	[0.460, 1.146]	0.169
Hispanic	0.70	[0.396, 1.238]	0.220
Other, non-Hispanic	0.85	[0.510, 1.404]	0.519
FPL category			
0-35%		Reference	
36-99%	0.78	[0.563, 1.084]	0.140
100%+	0.98	[0.698, 1.371]	0.898
Region			
UP/NW/NE		Reference	
W/E Central/E	1.17	[0.821, 1.671]	0.383
S Central/SW/SE	1.60	[1.075, 2.381]	0.020
Detroit Metro	0.89	[0.586, 1.354]	0.588
Chronic condition (2018 survey or DW)			
No		Reference	
Yes	1.44	[1.004, 2.070]	0.047
Mental health condition and/or substance use disorder (2018 survey or DW)			
None		Reference	
Mental health condition and substance use disorder	1.21	[0.738, 2.000]	0.444
Mental health condition	1.12	[0.822, 1.533]	0.467
Substance use disorder	1.40	[0.585, 3.326]	0.452
Highest level of education			
High school or less		Reference	
Associate's degree/Some college	1.01	[0.753, 1.364]	0.930
Bachelor's/Post graduate degree	0.59	[0.376, 0.927]	0.022
Constant	0.11	[0.056, 0.219]	0.000
N	1,684		
F-value	3.479		
Model degrees of freedom	25.0		
Residual degrees of freedom	1,672.0		
F-value significance	0.000		

Notes: Multiple logistic regression.

6 Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.

6.1 Expected duration of HMP enrollment

6.1.1 Expected duration of HMP enrollment by selected characteristics, among enrollees who are 19-62 years old

	Less than 6 months		6 months to a year		Expected duration of HMP enrollment 1-2 years		More than 2 years		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Highest level of education											
High school or less (n=1,199)	4.3	[3.0, 6.1]	10.7	[8.4, 13.4]	9.1	[7.3, 11.4]	26.8	[23.7, 30.2]	49.0	[45.4, 52.6]	100.0
Associate's degree/Some college (n=975)	7.0	[5.1, 9.5]	14.2	[11.3, 17.7]	12.9	[10.4, 15.9]	26.4	[22.9, 30.2]	39.5	[35.7, 43.4]	100.0
Bachelor's/Post graduate degree (n=315)	12.0	[8.5, 16.7]	13.9	[10.0, 19.0]	23.9	[18.2, 30.7]	16.7	[12.5, 22.1]	33.4	[27.6, 39.9]	100.0
Pearson: Uncorrected chi2(8) =	103.5759										
Design-based F(7.77, 20042.65) =	7.8806	Pr =	0.000								
Employed/Self-employed											
Yes (n=1,497)	7.8	[6.1, 9.9]	13.9	[11.6, 16.6]	12.7	[10.7, 15.0]	24.2	[21.6, 27.1]	41.4	[38.3, 44.6]	100.0
No (n=994)	4.4	[3.2, 5.9]	10.6	[8.3, 13.6]	11.9	[9.5, 14.8]	27.4	[23.9, 31.1]	45.7	[41.8, 49.6]	100.0
Pearson: Uncorrected chi2(4) =	22.3027										
Design-based F(3.92, 10125.53) =	3.1834	Pr =	0.013								
In school											
Yes (n=394)	5.1	[3.2, 7.9]	13.8	[9.8, 19.0]	20.8	[16.2, 26.2]	27.3	[22.1, 33.3]	33.1	[27.7, 38.8]	100.0
No (n=2,101)	6.6	[5.3, 8.2]	12.0	[10.2, 14.1]	10.2	[8.7, 11.9]	25.1	[22.8, 27.6]	46.1	[43.4, 48.8]	100.0
Pearson: Uncorrected chi2(4) =	58.0904										
Design-based F(3.91, 10114.47) =	7.4914	Pr =	0.000								
Caregiver											
Yes (n=718)	6.6	[4.6, 9.2]	13.1	[9.9, 17.2]	11.0	[8.3, 14.3]	25.6	[21.6, 30.0]	43.8	[39.2, 48.5]	100.0
No (n=1,771)	6.2	[4.9, 7.9]	12.3	[10.3, 14.5]	12.9	[11.1, 15.1]	25.5	[23.0, 28.2]	43.1	[40.2, 46.0]	100.0
Pearson: Uncorrected chi2(4) =	2.0492										
Design-based F(3.94, 10159.07) =	0.2928	Pr =	0.880								
Homeless in last 12 months											
Yes (n=150)	7.6	[4.1, 13.7]	17.5	[10.8, 27.1]	8.8	[3.9, 18.8]	13.5	[8.7, 20.4]	52.5	[42.7, 62.1]	100.0
No (n=2,345)	6.2	[5.0, 7.6]	12.0	[10.3, 14.0]	12.7	[11.1, 14.5]	26.6	[24.3, 29.0]	42.5	[40.1, 45.1]	100.0
Pearson: Uncorrected chi2(4) =	24.9925										
Design-based F(3.65, 9427.64) =	2.8419	Pr =	0.027								
Need help reading written materials											
Sometimes/Often/Always (n=392)	3.8	[2.1, 6.9]	10.0	[6.7, 14.5]	9.6	[6.3, 14.4]	33.6	[27.9, 39.8]	43.1	[37.3, 49.1]	100.0
Never/Rarely (n=2,100)	6.8	[5.5, 8.3]	13.0	[11.0, 15.2]	12.9	[11.2, 14.9]	24.0	[21.7, 26.4]	43.4	[40.7, 46.1]	100.0
Pearson: Uncorrected chi2(4) =	23.7005										
Design-based F(3.96, 10231.44) =	3.3481	Pr =	0.010								
Total (n=2,497)	6.3	[5.2, 7.6]	12.5	[10.7, 14.4]	12.4	[10.8, 14.1]	25.5	[23.4, 27.8]	43.3	[40.9, 45.8]	100.0

Note: χ^2 test of independence.

6.1.2 Expected duration of HMP enrollment by selected characteristics, among enrollees who are 19-62 years old (continued)

| | Expected duration of HMP enrollment | | | | | | | | | | Total |
| | Less than 6 months | | 6 months to a year | | 1-2 years | | More than 2 years | | Don't know | | |
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Change in physical health status since HMP enrollment											
Gotten better (n=1,147)	5.1	[3.8, 6.8]	14.8	[12.1, 17.9]	12.3	[10.0, 14.9]	24.7	[21.5, 28.2]	43.1	[39.5, 46.8]	100.0
Stayed the same (n=1,187)	7.5	[5.7, 9.9]	11.4	[9.1, 14.2]	12.5	[10.2, 15.1]	25.7	[22.7, 28.9]	42.9	[39.5, 46.4]	100.0
Gotten worse (n=146)	5.7	[2.8, 11.3]	2.1	[0.8, 5.4]	12.5	[6.9, 21.7]	30.5	[22.3, 40.2]	49.1	[39.4, 58.9]	100.0
Pearson: Uncorrected chi2(8) =	27.7840										
Design-based F(7.54, 19366.61) =	2.2512	Pr =	0.024								
Change in mental health status since HMP enrollment											
Gotten better (n=876)	5.8	[4.1, 8.0]	14.0	[10.9, 17.9]	13.0	[10.5, 16.1]	25.3	[21.6, 29.4]	41.8	[37.7, 46.1]	100.0
Stayed the same (n=1,466)	6.4	[4.9, 8.2]	11.7	[9.7, 14.2]	12.7	[10.6, 15.1]	24.5	[21.8, 27.3]	44.8	[41.6, 48.0]	100.0
Gotten worse (n=138)	9.4	[4.8, 17.8]	11.5	[6.8, 18.9]	4.9	[2.3, 9.9]	39.1	[29.7, 49.4]	35.1	[26.8, 44.5]	100.0
Pearson: Uncorrected chi2(8) =	26.2967										
Design-based F(7.66, 19685.38) =	2.0655	Pr =	0.038								
Change in dental health status since HMP enrollment											
Gotten better (n=880)	6.3	[4.5, 8.8]	15.0	[12.1, 18.6]	11.3	[9.1, 14.0]	28.6	[24.8, 32.7]	38.8	[34.8, 42.8]	100.0
Stayed the same (n=1,316)	6.5	[5.0, 8.5]	10.9	[8.7, 13.6]	13.3	[11.1, 16.0]	23.5	[20.7, 26.5]	45.8	[42.4, 49.2]	100.0
Gotten worse (n=267)	5.5	[3.2, 9.2]	13.7	[8.9, 20.6]	9.5	[5.8, 15.2]	26.5	[20.3, 33.8]	44.8	[37.7, 52.1]	100.0
Pearson: Uncorrected chi2(8) =	23.6504										
Design-based F(7.80, 19920.91) =	1.7325	Pr =	0.088								
Insurance status in 12 months prior to HMP											
Insured some or all 12 months (n=1,406)	7.6	[6.0, 9.6]	11.4	[9.3, 13.9]	14.4	[12.1, 17.1]	27.0	[24.2, 30.1]	39.6	[36.4, 42.8]	100.0
Uninsured all 12 months/Don't know (n=1,091)	4.8	[3.4, 6.7]	13.7	[11.0, 17.0]	9.9	[8.0, 12.3]	23.8	[20.6, 27.2]	47.8	[44.1, 51.6]	100.0
Pearson: Uncorrected chi2(4) =	34.3916										
Design-based F(3.96, 10237.05) =	4.8093	Pr =	0.001								
Forgone health care in last 12 months											
Yes (n=190)	8.6	[5.1, 14.1]	14.9	[9.0, 23.7]	10.6	[6.1, 17.8]	28.4	[20.9, 37.2]	37.5	[29.7, 46.1]	100.0
No (n=2,298)	6.1	[5.0, 7.5]	12.2	[10.5, 14.3]	12.5	[10.8, 14.3]	25.3	[23.1, 27.7]	43.8	[41.3, 46.4]	100.0
Pearson: Uncorrected chi2(4) =	6.0333										
Design-based F(3.88, 9993.54) =	0.8379	Pr =	0.498								
Forgone dental care in last 12 months											
Yes (n=452)	6.1	[4.0, 9.1]	14.1	[10.1, 19.4]	14.4	[10.1, 20.1]	22.6	[17.9, 28.0]	42.8	[37.2, 48.6]	100.0
No (n=2,023)	6.3	[5.1, 7.9]	12.2	[10.3, 14.3]	11.8	[10.2, 13.6]	26.3	[23.9, 28.8]	43.4	[40.7, 46.2]	100.0
Pearson: Uncorrected chi2(4) =	5.3865										
Design-based F(3.86, 9897.56) =	0.7251	Pr =	0.570								
Job change in last 12 months											
Yes (n=376)	13.9	[10.0, 19.1]	17.4	[12.5, 23.6]	12.8	[9.2, 17.5]	23.3	[18.4, 29.0]	32.7	[27.2, 38.6]	100.0
No (n=1,118)	5.2	[3.6, 7.4]	12.5	[10.0, 15.4]	12.7	[10.4, 15.4]	24.7	[21.6, 28.1]	45.0	[41.4, 48.7]	100.0
Pearson: Uncorrected chi2(4) =	51.4066										
Design-based F(3.93, 6228.81) =	6.4116	Pr =	0.000								
Total (n=2,497)	6.3	[5.2, 7.6]	12.5	[10.7, 14.4]	12.4	[10.8, 14.1]	25.5	[23.4, 27.8]	43.3	[40.9, 45.8]	100.0

Note: χ^2 test of independence.

6.1.3 Expected duration of HMP enrollment by employment status, detailed, among enrollees who are 19-62 years old

	Less than 6 months		6 months to a year		Expected duration of HMP enrollment 1-2 years		More than 2 years		Don't know		Total
	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %	95% CI	Row %
Employment status, detailed											
Full-time employment (n=693)	7.6	[5.5, 10.5]	15.3	[11.7, 19.7]	13.5	[10.5, 17.1]	22.3	[18.5, 26.7]	41.3	[36.7, 46.1]	100.0
Part-time employment (n=798)	7.6	[5.3, 10.9]	12.5	[9.7, 15.9]	12.0	[9.5, 15.1]	26.1	[22.5, 30.1]	41.7	[37.7, 45.9]	100.0
Out of work (n=306)	5.5	[3.4, 8.7]	16.2	[11.1, 23.0]	10.6	[7.1, 15.4]	24.0	[18.3, 30.8]	43.7	[36.9, 50.8]	100.0
Unable to work (n=378)	2.5	[1.4, 4.7]	8.0	[5.3, 12.0]	9.6	[6.5, 13.9]	27.0	[21.8, 33.0]	52.8	[46.7, 58.8]	100.0
Retired (n=70)	7.1	[1.8, 24.3]	9.0	[3.4, 21.6]	8.8	[3.5, 20.5]	40.8	[28.2, 54.8]	34.3	[22.3, 48.6]	100.0
Not looking for work (n=230)	5.0	[2.9, 8.4]	6.5	[3.9, 10.6]	18.8	[12.6, 27.0]	28.3	[21.3, 36.4]	41.5	[33.6, 49.9]	100.0
Pearson: Uncorrected chi2(20) =	70.2380										
Design-based F(18.70, 47973.53) =	2.1555	Pr =	0.003								
Total (n=2,497)	6.3	[5.2, 7.6]	12.5	[10.7, 14.4]	12.4	[10.8, 14.1]	25.5	[23.4, 27.8]	43.3	[40.9, 45.8]	100.0

Note: χ^2 test of independence.

2018 Healthy Michigan Voices Cohort II Survey
Appendix C: Variable Definitions

Survey composite variables

The following variables were created by combining responses from more than one survey question. The composite variables are outlined below:

New diagnosis since HMP enrollment was defined as reporting that one or more chronic conditions (asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, stroke, mood disorder, substance use disorder, or other condition) had been diagnosed after HMP enrollment.

Overall knowledge of HMP covered benefits and costs was defined as the count of correct answers to a series of 10 questions about HMP:
(1) I could be dropped from the Healthy Michigan Plan for not paying my bill (correct answer = no)
(2) I may get a reduction in the amount I might have to pay if I complete a health risk assessment (correct answer = yes)
(3) Some kinds of visits, tests and medicines have no copays (correct answer = yes);
Do you think the following are covered under Healthy Michigan Plan:
(4) eyeglasses (correct answer = yes)
(5) prescription medications (correct answer = yes)
(6) routine dental care (correct answer = yes)
(7) treatment to stop smoking (correct answer = yes)
(8) birth control/family planning (correct answer = yes)
(9) counseling for mental or emotional problems (correct answer = yes)
(10) substance use treatment (correct answer = yes)

Reduction in forgone health care was defined as those who reported forgoing health care in the 12 months prior to HMP but not in the last 12 months while they were on HMP.

Reduction in forgone dental care was defined as those who reported forgoing dental care in the 12 months prior to HMP but not in the last 12 months while they were on HMP.

Improved ability to get any type of care was defined as those who reported their ability to get one or more of the following types of care through HMP was better compared to before: primary care, specialist care, dental care, mental health care, substance use treatment services, prescription medications, cancer screening, help with staying healthy or preventing health problems, or birth control/family planning services.

Claims-derived variables

Medicaid administrative claims for survey respondents were extracted from the state's data warehouse; claims were processed to derive aggregate flags for utilization of health services. Claims-derived variables represent two 12-month periods: Period 1 corresponds to 0-12 months prior to the month of sample selection, while Period 2 corresponds to the 13-24 months prior to sample selection.

Variables describing visits

Emergency Department (ED) visits
Identification of ED visits was based on specifications in the HEDIS Emergency Department Utilization (EDU) measure. Consistent with HEDIS, ED visits that resulted in an inpatient admission were not counted, and non-institutional/non-surgical ED visits that occurred a day prior to or after an institutional ED/Observation/Inpatient visit were removed. Two modifications of the HEDIS criteria were made, to allow results to represent the full range of ED utilization for the HMP population: (1) mental health/substance abuse ED visits were included, where HEDIS excludes them; and (2) three observation visit codes (G0378, G0379, revenue code 0762) were added to the HEDIS observation value set, along with codes G0380-G0384 for Hospital Type B emergency visits.

Inpatient visits
Identification of inpatient visits was based on the HEDIS Inpatient Utilization (IPU) measure, with a few modifications: removal of nursing home stays, removal of hospital transfers, collapsing consecutive discharge dates, and including MH/SA hospital stays (excluded in the HEDIS measure).

Primary care visits
Identification of primary care visits was based on two elements:
1. A procedure code on the MDHHS Physician Primary Care Rate Increase Initiative list; and
2. A billing or rendering provider who was a Primary Care Provider of record for ≥1 Medicaid enrollee in the MDHHS Data Warehouse PCP table; or who had participated in Michigan's Primary Care Transformation (MiPCT) project and thus had been verified as a primary care provider; or who had a primary care specialty classification in both the Michigan Medicaid provider specialty table and the NPPES taxonomy table. NPIs known to be inaccurate from prior analyses were excluded.

Other outpatient visits
Other outpatient visits require a procedure code or revenue code in the HEDIS Outpatient value set (the same one used for the primary care visit spec). None of the outpatient visit categories include ED visits.

Dental visits
Identification of dental visits was based on any procedure code beginning with D in procedure code field. **Preventive dental visits** were defined as the subset of dental visits with at least one procedure code between D1000 and D1999. **Other dental visits** were defined as the subset of dental visits with at least one procedure code starting with 'D' and outside the preventive dental

range. If a visit had a preventive and non-preventive dental procedure code, the visit was considered preventive.

Eye visit
Identification of eye visits was based on procedure code=S0620 or S0621, or between 92002 and 92499.

Variables describing receipt of preventive services

Cervical cancer screening
Identification of cervical cancer screening was based on having one of the following:
1. Cervical cytology procedure codes: 88141-88143, 88147, 88148, 88150, 88152-88154, 88164-88167, 88174, 88175, G0123, G0124, G0141, G0143-G0145, G0147, G0148, P3000-P3001, Q0091
2. Revenue code for pap smear: 0923

Breast cancer screening
Identification of breast cancer screening was based on the presence of one of the following:
1. Mammography procedure codes: 77055, 77056, 77057, G0202, G0204, G0206.
2. Revenue codes for mammography: 0401, 0403
3. ICD procedure codes: 8736, 8737

Colorectal cancer screening
Identification of colorectal cancer screening was based on having at least one of the following:
1. Flexible sigmoidoscopy procedure codes: 45330-45336, 45337-45342, 45345-45347, 45349, 45350
2. FOBT procedure codes: 82270, 82274, G0328
3. Colonoscopy procedure codes: 44388-44394, 44397, 44401-44408, 45355, 45378, 45380,-45393, 45398, G0105, G0121
4. ICD procedure codes: 4522-4525, 4542, 4543

STI test (excluding HPV)
Identification of STI testing was based on the following procedure codes:
1. Chlamydia: 86631, 87110, 87270, 87486, 87490, 87491, 87810, 3511F
2. Herpes: 86694-86696, 87274
3. HIV: 86689, 86701-86703, 87389, 87390, 87535, 87536, 87806, 87901, 87906, G0432, G0433, G0475
4. Additional testing procedure codes: 80081, 87207, 87209, 87529, 87660, 87661, 87808, 87901

HPV test
Identification of HPV testing was based on the following procedures codes: 87620-87625, G0476.

Flu vaccine
Identification of flu vaccine receipt was based on flu vaccine administration dates in the Michigan Care Improvement Registry (MCIR), flu vaccine CPT codes in Medicaid claims data, and flu vaccine NDC codes in the Medicaid pharmacy data during 2017 or 2018.

Pneumonia vaccine (DW)
Identification of pneumonia vaccine receipt was based on having at least one vaccine administration date in the Michigan Care Improvement Registry (MCIR), at least one CPT code in Medicaid claims data, or at least one NDC code in the Medicaid pharmacy data for a PCV13 or PPSV23 vaccine.

Other vaccine (non-flu)
Identification of other vaccine receipt was based on having at least one administration date in the Michigan Care Improvement Registry (MCIR), or at least one CPT code in Medicaid claims data, or at least one NDC code in the Medicaid pharmacy data for the following vaccines: Td/Tdap, Zoster, Hepatitis A and B, HIB, HPV, Meningitis or Meningitis B, Varicella, and MMR.

Statins
Identification of statin therapy was based on pharmacy records for drug class M4D (Antihyperlipidemic - HMG COA reductase inhibitors), as applied to individuals with cardiovascular disease.

Smoking cessation medications
Identification of nicotine replacement therapy (NRT) or varenicline was based on pharmacy records for drug classes: H7N, J3A, or J3C.

Any preventive service
Identification of any preventive service was defined as the confirmed presence of at least one service listed in this section.

Combined claims- and survey-derived variables

Chronic condition
Chronic condition was initially identified separately through survey response and through Medicaid administrative claims.

Chronic condition *based on survey response* was defined as a Yes response to the question of ever having been told by a health care provider that the individual had asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

Chronic condition *based on Medicaid administrative claims* was defined as defined as ≥1 Medicaid claim in the 24 months prior to survey sampling with a diagnosis code for asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke.

The combined variable was identified as having EITHER survey report or claims evidence of having asthma, arthritis or related conditions, cancer other than skin cancer, COPD/chronic bronchitis, diabetes, hypertension, heart disease, or stroke. This information was used to generate two variables for analysis:
Any chronic condition was defined as at least one condition identified through the combined survey-claims variable.
Count of chronic conditions was defined as having none, one, or two or more chronic conditions identified through the combined survey-claims variable.

Mental health condition and/or substance use disorder
Mental health condition and/or substance use disorder was initially identified separately through survey response and through Medicaid administrative claims

Mental health condition *based on survey response* was defined as a Yes response to the question of ever having been told by a health care provider that the individual had a mood disorder.

Substance use disorder *based on survey response* was defined as a Yes response to the question of ever having been told by a health care provider that the individual had a substance use disorder.

Mental health condition *based on Medicaid administrative claims* was defined as defined as ≥1 Medicaid claim in the 24 months prior to survey sampling with a diagnosis code for any of the following:
1. Anxiety disorders
2. ADHD, Conduct Disorders, and Hyperkinetic Syndrome
3. Bipolar Disorder
4. Depressive Disorders
5. Personality Disorders
6. Post-Traumatic Stress Disorder (PTSD)
7. Schizophrenia and Other Psychotic Disorders
8. Other Mental Health Disorders

Substance use disorders *based on Medicaid administrative claims* was defined as defined as ≥1 Medicaid claim in the 24 months prior to survey sampling with a diagnosis code for any of the following:
1. Alcohol Use Disorders
2. Drug Use Disorders – Cannabis
3. Drug Use Disorders – Caffeine
4. Drug Use Disorders – Hallucinogens
5. Drug Use Disorders – Inhalants
6. Drug Use Disorders – Opioids
7. Drug Use Disorders - Sedatives, Hypnotics, Anxiolytics
8. Drug Use Disorders – Stimulants
9. Drug Use Disorders - Other or Unknown
10. Drug Use Disorders - Polysubstance

The combined **Mental health condition and/or substance use disorder** variable was identified as having EITHER survey report or claims evidence of having at least one mental health condition OR substance use disorder, as defined above.

2018 Healthy Michigan Voices Cohort II Survey
Appendix D: Details of Weighting Adjustment

Base Selection Weight
An independent survey sample was drawn each month from January to December 2018 from the HMP enrollee population; once the eligible population was identified for that month, sampling was done using stratification which combines FPL and prosperity region.

Reflecting the sample design, the first step used an inverse of sampling probability and calculated selection weights for sample unit i in sampling stratum h as follows:

$$w_{1,hi} = \frac{N_h}{n_h}$$

where N_h is the population size and n_h is the sample size for stratum h.

We made adjustment for nonworking numbers, ineligible cases, unknown eligibility cases and nonresponse (noncontacts and refusal combined) separately as follows.

Nonworking Number Adjustment
Nonworking numbers were considered out of our target population and removed from the sample. We used the following adjustment factor, $f_{2,hi}$, for this.

$$f_{2,hi} = \begin{cases} 0, & \text{if } i \text{ was not a working number} \\ \dfrac{\sum_i w_{1,hi}}{\sum_i I\_WR_i \times w_{1,hi}}, & \text{if } i \text{ was a working number} \end{cases}$$

where I_WR_i was a 1/0 indicator for working number status (1: working number, 0: nonworking number). Essentially, $f_{2,hi}$ removed the nonworking numbers from the scope and weighted up working numbers proportionally within each sampling stratum. The resulting weight was:

$$w_{2,hi} = f_{2,hi} \times w_{1,hi}$$

Unknown Eligibility Adjustment
Besides the nonworking numbers, there were working numbers with whom contact was not established. With these cases, HMV eligibility could not be ascertained. Moreover, the eligibility rate may have differed systematically across strata. Thus, a new adjustment factor was applied to the weight from the previous stage:

$$f_{3,hi} = \begin{cases} 0, & \text{if eligibility is unknown for } i \\ \dfrac{\sum_i w_{2,hi}}{\sum_i I\_UE_i \times w_{2,hi}}, & \text{if eligibility is known for } i \end{cases}$$

where I_UE_i was a 1/0 indicator for unknown eligibility status (1: known eligibility; 0: unknown eligibility. The resulting weight was:

$$w_{3,hi} = f_{3,hi} \times w_{2,hi}$$

<u>Known Eligibility Adjustment</u>
Among those who were contacted, some may not have been eligible for the 2018 HMV Cohort II survey for various reasons related to the eligibility criteria described previously. These cases fell outside of the target population and, hence, were removed through the following:

$$f_{4,hi} = \begin{cases} 0, & if\ i\ is\ ineligible \\ \dfrac{\sum_i w_{3,hi}}{\sum_i I\_EL_i \times w_{3,hi}}, & if\ i\ is\ eligible \end{cases}$$

where I_EL_i was a 1/0 indicator for eligibility status (1: eligible; 0: ineligible). The resulting weight was:

$$w_{4,hi} = f_{4,hi} \times w_{3,hi}$$

<u>Nonresponse Adjustment</u>
Those who were contacted and eligible were retained after the previous step. These included contacts with the sampled enrollee and/or others at the phone number who took messages or gave information. Some enrollees initially agreed to participate, then abandoned the survey within the first few questions. Reasons for non-participation were not recorded. These were all considered as nonresponse. Overall, there were 4,492 eligible cases; among them, 2,602 responded.

Respondents and nonrespondents were different, with nonrespondents being younger, more likely to be male, non-Hispanic other race and with a shorter amount of time after first enrolled in HMP, and more likely to be from the Detroit Metro area than respondents.

In order to compensate for potential nonresponse bias associated with these differences, we adjusted for the following characteristics available in the HMV sample frame data, which were available for both respondents and nonrespondents:
- Sex
- Age (19-34; 35-49; 50-64 years old)
- Race/ethnicity (Hispanic; Non-Hispanic White; Non-Hispanic Black; Non-Hispanic other)
- First HMP month (2016 January-June; 2016 July-December; 2017 January or later)

Additionally, we had the following sampling information available for both respondents and nonrespondents:
- Stratum (FPL x Region)
- FPL
- Region

The nonresponse adjustment followed Lee and Valliant (2008)[1], where a logistic regression model was used to predict response while controlling for differences in characteristics between respondents and nonrespondents. The predictors included age, sex, race/ethnicity, first month on HMP and sampling strata. The adjustment factor, $f_{5,i}$, was the inverse of response propensity predicted from the logistic regression. The resulting weight was:

$$w_{5,i} = w_{4,hi} \times f_{5,i}$$

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[1] Lee S, Valliant R. 2008. Weighting telephone samples using propensity scores. Advances in Telephone Survey Methodology. 170-183.

<u>Post-stratification</u>
The target population of the 2018 HMV Cohort II survey was HMP enrollees eligible for this survey between January and December 2018. There were 159,112 such persons. From the sample frame data, we had information about the characteristics of this population. Table 3 compares the population and the sample weighted by nonresponse adjustment weight (w_5) particularly with respect to age, sex, race/ethnicity, first month on HMP, sampling stratum, FPL and region. Our weighted sample matched the population reasonably well across most characteristics, except for age and duration on HMP. Compared to the population, our sample underrepresented enrollees who were younger or who were newer to HMP (enrolled January 2017 or later) than their counterparts. Hence, this known discrepancy was handled through post-stratification. All the characteristics in Table 3 were controlled for in the post-stratification using an iterative proportional fitting method (Deville et al., 1993)[2]. This process produced an adjustment factor, $f_{6,i}$, by forcing the sample to match the population with respect to the controlled characteristics. The resulting weight was:

$$w_{6,i} = w_{5,i} \times f_{6,i}$$

Post-stratification may force the weights to be extreme. These extreme weights increase the variability of estimates and, in turn, lower statistical power. In order to minimize the effect of extreme weights, these weights are trimmed. To address this issue we used the Individual and Global Cap Value (IGCV) method introduced by Izrael et al. (2009)[3]. This method sets thresholds for minimum and maximum adjustment factors in relation to the individual weights and to all weights globally. Specifically, our procedure set the global high cap at 5, the global low cap at 0.2, the individual high cap at 7 and the individual low cap at 0.12. The trimmed weights were normalized to the population total of 159,112. The resulting weight is $w_{6,imh}$. Table 3 includes the sample characteristics weighted by w_6. When using the post-stratified weight, the sample matched the eligible target population perfectly. However, compared to when using the nonresponse adjustment weight, there was a slight increase in standard error due to variability in weights introduced by post-stratification.

Table 3. Comparison of HMV Cohort II eligible population and HMV sample using frame data

| Characteristics | Population | | n | Sample | | | |
| | | | | Weighted by w_5 | | Weighted by w_6 | |
	N	%		%	SE	%	SE
Total	159,112		2,602				
Age							
19-34 years old	81,312	51.1	1,036	44.3	1.1	51.1	1.2
35-49 years old	40,815	25.7	696	25.6	1.0	25.7	1.1
50-64 years old	36,985	23.2	870	30.1	1.0	23.2	0.9
Sex							
Male	78,319	49.2	1,547	50.6	1.1	49.2	1.2
Female	80,793	50.8	1,055	49.4	1.1	50.8	1.2

[2] Deville JC, Särndal CE, Sautory O. 1993. Generalized raking procedures in survey sampling. *Journal of the American Statistical Association*. 88(423):1013-20.

[3] Izrael D, Battaglia MP, Frankel MR. 2009. Extreme survey weight adjustment as a component of sample balancing (aka raking). In Proceedings from the Thirty-Fourth Annual SAS Users Group International Conference.

Race/Ethnicity							
Non-Hispanic White	96,113	60.4	1,778	61.9	1.1	60.4	1.3
Non-Hispanic Black	34,351	21.6	432	21.7	1.0	21.6	1.1
Other	28,648	18.0	392	16.5	0.9	18.0	1.0
First HMP Month							
2016 January-June	48,111	30.2	1,004	38.0	1.1	30.2	1.1
2016 July-December	33,493	21.1	738	28.5	1.0	21.1	0.9
2017 January or later	77,508	48.7	860	33.5	1.1	48.7	1.3
Stratum							
1. UP/NW/NE, 0-35%	6,363	4.0	198	3.9	0.3	4.0	0.3
2. UP/NW/NE, 36-99%	4,469	2.8	166	2.8	0.2	2.8	0.2
3. UP/NW/NE, 100%+	3,524	2.2	154	2.2	0.2	2.2	0.2
4. W/EC/E, 0-35%	21,912	13.8	287	13.7	0.8	13.8	0.8
5. W/EC/E, 36-99%	12,060	7.6	285	7.6	0.5	7.6	0.5
6. W/EC/E, 100%+	9,054	5.7	198	5.8	0.4	5.7	0.4
7. SC/SW/SE, 0-35%	16,789	10.6	186	10.7	0.7	10.6	0.8
8. SC/SW/SE, 36-99%	8,457	5.3	194	5.4	0.4	5.3	0.4
9. SC/SW/SE, 100%+	6,261	3.9	143	3.9	0.3	3.9	0.4
10. DET, 0-35%	41,803	26.3	289	26.1	1.2	26.3	1.4
11. DET, 36-99%	17,372	10.9	302	10.9	0.6	10.9	0.7
12. DET, 100%+	11,048	6.9	200	7.0	0.5	6.9	0.5
Income (% FPL)							
0-35%	86,867	54.6	960	54.4	1.1	54.6	1.2
36-99%	42,358	26.6	947	26.7	0.9	26.6	0.9
100%+	29,887	18.8	695	18.9	0.7	18.8	0.8
Prosperity Region							
UP/NW/NE	14,356	9.0	518	9.0	0.4	9.0	0.5
W/EC/E	43,026	27.0	770	27.1	0.9	27.0	1.0
SC/SW/SE	31,507	19.8	523	20.0	0.9	19.8	0.9
DET	70223	44.1	791	44.0	1.2	44.1	1.3

2018 Healthy Michigan Voices Cohort II Survey
Appendix E: Survey Instrument
Operationalized Version

[MAKING CONTACT/AGREEMENT TO PARTICIPATE]
Hi, can I speak with [RESP firstname]? This is *[interviewer firstname]* with the Healthy Michigan Voices project at the University of Michigan.

[If answered by another person] We want to give _____ an opportunity to participate in the Healthy Michigan Voices project. When would be a good time to call back? _____ Also, I'd like to leave a toll-free number where [RESP] can call us back. The number is 844-263-8402.

[If Voicemail] Hi, this is a message for [firstname]. I'm *[interviewer firstname]* with the Healthy Michigan Voices project at the University of Michigan. We're hoping to talk with you about the project and your opportunity to earn a $25 gift card. You can give us a call back at our toll-free number, 844-263-8402. We'll also call you back at a later time. Thanks.

INT00: When you have the enrollee on the phone:
Healthy Michigan Voices is a project at the University of Michigan – you might remember getting a letter and brochure about the project a few weeks ago. *[REFER TO PARTICIPATION POSTCARD, IF APPLICABLE.]*
- We're speaking with people around the state who have been enrolled in the Healthy Michigan Plan, to get their views about what's working well and what may need to be improved. In appreciation for completing the interview, we will send you a gift card worth $25.00.

Do you have any questions?   Is this a good time to do the survey?

INT10: Okay, just a couple of quick things for you to know before we start:
- The survey is confidential. We will not tell the state, your health plan, or your doctor any of the specific answers you give on the survey.
- Participating in the survey is voluntary -- if there are any questions you don't want to answer, you can skip them.
- For completing the survey, you get a $25 gift card that can be used anywhere that accepts MasterCard. And I'll tell you more about that at the end.

Do you have any questions before we begin?

RECORD_CALL: For quality assurance and training purposes, can we record this call?   Yes/No [If respondent says no, verify that recorder is turned off]

[once recorder is on] Ok, we have your ID listed as <$Q>.

CH_DOB: And just to confirm that I'm talking with the right person, we show that you were born in <MONTH> <YEAROFB>. Is that correct? Yes/No [TEXT BOX if no]

I have you listed as enrolled in [plan auto-filled] Is that correct? Yes/No
  [If not the same] Do you know the name of your health plan now? [TEXT BOX]

And you first enrolled in the Healthy Michigan Plan in about [HMP enrollment month/year autofilled]. Does that sound about right? [TEXT BOX]

For these first few questions, I am going to ask you to think back to the 12 months before you enrolled in the Healthy Michigan Plan. So you enrolled in [HMP enrollment month/year autofilled], so we're talking about the year before that...

Q1. During the 12 months BEFORE you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time? Yes (answer Q2) / No

> If Q1=YES: **Q2a** What type of health insurance did you have? Was it insurance through a job or union, insurance purchased by you or someone else, or another type of insurance? [can have >1 type]
>> ☐ **Insurance provided through a job or union**
>> If YES: **Q2a1** Whose job is it? (respondent/family member)
>> ☐ Insurance purchased by you or someone else
>> If YES: **Q2a2** Who purchased it? (respondent/family member)
>>> **Q2a3** Was it purchased through the marketplace known as healthcare.gov? Y/N/DK
>>> If YES: **Q2a4** Did you receive a subsidy? Y/N/DK
>> ☐ Veterans Administration or VA care
>> ☐ CHAMPUS, TRICARE
>> ☐ Medicare/social security
>> ☐ County health plan
>> ☐ Medicaid / MiChild / other state program
>> ☐ Student health plan
>> ☐ Other: [TEXT BOX]

Q3. During the 12 months BEFORE you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care? Record $ ____ or select Don't Know_
> [If Q3=DON'T KNOW]: **Q3a** I'll read some categories, and you stop me when I get to the amount you think is about right: <u>less than $50, from $51-100, $101-500, $501 to $2,000, $2,001 to $3,000, $3,001 to $5,000, or more than $5,000?</u>

Q4. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, did you have problems paying medical bills? Yes/No
> If Q4=YES: Because of these problems paying medical bills, have you or your family...
>> **Q4a** Been contacted by a collections agency? Yes/No
>> **Q4b** Thought about filing for bankruptcy? Yes/No
>>> If YES: **Q4c** Did you file for bankruptcy? Yes/ No
>> **Q4d** Since enrolling in Healthy Michigan, have your problems paying medical bills <u>gotten worse</u>, <u>stayed the same</u>, <u>or gotten better?</u>

Q5. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?
> Yes / No / Don't know / NA-didn't need care

If Q5=YES: **Q5a** What kind of a place was it? a clinic, doctor's office, urgent care or walk-in clinic, emergency room, or other place

Q6. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed? Yes/No

       If Q6=YES: **Q6a** What type of care?
- ☐ Primary care visits
- ☐ Specialist visits
- ☐ Mental health
- ☐ Prescription medication
- ☐ Other [TEXT BOX]

       If Q6=YES: **Q6b** Why didn't you get the care you needed? [open-ended; mark all mentioned]
- ☐ Cost – no insurance
- ☐ Cost – insurance plan wouldn't cover services needed
- ☐ Couldn't find provider that took your insurance
- ☐ Problems getting appointment
- ☐ Transportation/logistics
- ☐ Other [TEXT BOX]

Q7. In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there any time when you didn't get the dental care you needed? Yes/No

       If Q7=YES: **Q7a** Why didn't you get the care you needed? [open-ended; mark all mentioned]
- ☐ Cost – no insurance
- ☐ Cost – insurance plan wouldn't cover services needed
- ☐ Couldn't find provider that took your dental insurance
- ☐ Problems getting appointment
- ☐ Transportation/logistics
- ☐ Afraid of going to dentist
- ☐ Other [TEXT BOX]

I'm now going to ask about the time since you enrolled in the Healthy Michigan Plan.

Q8. In general, would you say your health is: Excellent; Very Good; Good; Fair; OR Poor

Q9. Now thinking about your physical health, which includes physical illness and injury: for how many days during the past 30 days was your physical health not good?

Q10. Overall, since you enrolled in the Healthy Michigan Plan, would you say your physical health has gotten better, stayed the same, OR gotten worse?

Q11. Now thinking about your mental health, which includes stress, depression, and problems with emotions: for how many days during the past 30 days was your mental health not good? _____

Q12. Overall, since you enrolled in the Healthy Michigan Plan, would you say your mental and emotional health has gotten better, stayed the same, OR gotten worse?

Q13. During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

Q14. Thinking about your dental health, since you enrolled in the Healthy Michigan Plan, has the health of your teeth and gums <u>gotten better, stayed the same, OR gotten worse</u>?

Q15a. How tall are you? _____

Q15b. How much do you weigh? _____

Q16. Compared to 12 months ago, how would you describe your weight? Have you<u> lost weight; gained weight; or stayed about the same</u>

Q17. Has a doctor or other health professional ever told you that you had any of the following?
   a) Hypertension, also called high blood pressure? <u>Yes/No</u>
   b) A heart condition or heart disease? <u>Yes/No</u>
   c) Diabetes or sugar diabetes (other than during pregnancy)? <u>Yes/No</u>
   d) Cancer, other than skin cancer? <u>Yes/No</u>
   e) A mood disorder, (For example, depression, anxiety, bipolar disorder)? <u>Yes/No</u>
   f) A stroke? <u>Yes/No</u>
   g) Asthma? <u>Yes/No</u>
   h) Chronic bronchitis, COPD or emphysema? <u>Yes/No</u>
   i) A substance use disorder? <u>Yes/No</u>
   j) Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)? <u>Yes/No</u>
   k) Any other ongoing health condition? <u>Yes/No</u> If YES: What is the condition? [TEXT BOX]
   For each condition, if YES:
   >   17a. Did you find out you had [autofill condition from Q22] <u>before or after</u> you enrolled in the Healthy Michigan Plan?

Now I'm going to ask about your recent experiences getting health care.

Q18. In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health? Yes/ No/ Don't know/NA – haven't gotten care
>   If Q18=YES: **Q18a** What kind of a place was it? a clinic, doctor's office, urgent care/walk-in clinic, emergency room, other
>   If Q18a=Clinic or doctor's office:
>   >   **Q18n** Is this the same place you went **before you enrolled** in the Healthy Michigan Plan? <u>Yes/No</u>
>   >   **Q18c** And is this your **primary care provider** for your Healthy Michigan Plan Coverage? <u>Yes/No</u>

>   If Q18a=urgent care/walk=in/ER OR if Q18=NO/Don't know/NA:
>   >   **Q18d** Do you have a **primary care provider** through your Healthy Michigan Plan coverage?   Y/N
>   >   If yes: **Q18e** Did you choose your primary care provider or did your health plan assign you to one?
>   >   >   Chose /Plan assigned

IfQ18c or Q18d=YES:
Q19. Have you seen your primary care provider in the past 12 months? <u>(Yes/ No/Don't know)</u>

E4

If Q19=No: **Q19a** Why not? [open-ended, check whatever mentioned]
- ☐ Healthy/didn't need to
- ☐ Couldn't get appointment
- ☐ Transportation/office too far away
- ☐ Don't like my PCP/office staff
- ☐ See a specialist instead
- ☐ Inconvenient hours
- ☐ Don't like doctors in general
- ☐ Other [TEXT BOX]

Q20. In the last 12 months, did you visit a dentist?   Yes/No
If Q20=No: **Q20a** Why not? [open-ended, check whatever mentioned]
- ☐ No dental problems
- ☐ Couldn't find a dentist that would take my insurance
- ☐ Transportation/office too far away
- ☐ Inconvenient hours/location
- ☐ Afraid of dentists/dislike dentists
- ☐ Cost/Service not covered
- ☐ Just didn't want to go
- ☐ Other [TEXT BOX]

Q21. During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)? Yes – complete Q22-23 /No – complete Q24

If Q21=YES: **Q22.** Thinking about the most recent time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room? Yes/No
If Q22=YES: **Q22a** Did you talk to someone? Yes/No
If Q22A=YES: **Q22b** Why did you end up going to the ER? [open-ended, check whatever mentioned]
- ☐ No response from the provider
- ☐ Told to go to the ER
- ☐ Advice wasn't helpful
- ☐ Symptoms didn't improve or got worse
- ☐ You couldn't get an appointment soon enough
- ☐ N/A don't have a usual provider right now
- ☐ Other [TEXT BOX]

Q23. Which of these were true about that most recent ER visit?
a. You arrived by ambulance or other emergency vehicle Y/N/DK
b. The problem was too serious for a doctor's office or clinic   Y/N/DK
c. Your doctor's office or clinic was not open   Y/N/DK
d. You needed to get care at a time that would not make you miss work or school   Y/N/DK
e. You went to the ER because it's your closest place to receive care   Y/N/DK
f. You went to the ER because you get most of your care at the emergency room   Y/N/DK
g. Any other reason you decided to go to the ER? [TEXT BOX]

If 21=NO: **Q24**. Sometimes people need health care help or advice when their usual clinic or doctor's office is closed. In the last 12 months was there a time when you needed help or advice when your usual clinic or doctor's office was closed? Yes/N

If Q24=YES: **Q24a** Think about the most recent time you needed health care help or advice when your usual doctor's office was closed, how did you handle this situation? [open-ended, check whatever mentioned]

☐ Phone/email with primary care office
☐ Got primary care appointment next day/soon
☐ Went to urgent care/walk-in clinic
☐ Got advice elsewhere (friends, internet, etc)
☐ Problem got better without seeking care
☐ Other [TEXT BOX]

Q25. In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider? Would you say: Very easy/Easy/Neutral/ Difficult/Very Difficult)

If Q25= Difficult/Very Difficult: **Q25a**. What made it difficult? [open-ended, check whatever mentioned]

☐ Couldn't get through on the telephone
☐ Hard to get appointment
☐ Inconvenient hours
☐ Transportation
☐ My PCP not available / had to see another provider
☐ Don't like my PCP/office staff
☐ Other [TEXT BOX]

Q26. Next I'm going to ask about different categories of health care. Tell me if your ability to get that type of care through the Healthy Michigan Plan is better, worse, or about the same, compared to before you had Healthy Michigan Plan. The first one is primary care. Would you say that your ability to get primary care through the Healthy Michigan Plan is better, worse or about the same, compared to before?

a) Primary care: better/worse/same; not applicable, don't know
b) Specialist care: better/worse/same; not applicable, don't know
c) Dental care: better/worse/same; not applicable, don't know
d) Mental health care: better/worse/same; not applicable, don't know
e) Substance use treatment services: better/worse/same; not applicable, don't know
f) Prescription medications: better/worse/same; not applicable, don't know
g) Cancer screening: better/worse/same; not applicable, don't know
h) Help with staying healthy or preventing health problems better/worse/same; not applicable, don't know
i) Birth control/ Family planning services better/worse/same, not applicable, don't know

Q27. In the last 12 months, was there any time when you didn't get the health care you needed? Yes/No

If Q27=YES: **Q27a** What type of care?

☐ Primary care visits
☐ Specialist visits
☐ Mental health
☐ Prescription medication
☐ Other [TEXT BOX]

If Q27a=YES: **Q27b** Why didn't you get the care you needed? [open-ended; mark all mentioned]

☐ Cost - no insurance
☐ Plan wouldn't cover services needed (out of pocket cost)
☐ Couldn't find provider that took your insurance
☐ Problems getting appointment
☐ Transportation/logistics
☐ Other [TEXT BOX]

Q28. In the last 12 months, was there any time when you didn't get the dental care you needed? Yes/No

       If Q28=YES: **Q28a** Why didn't you get the care you needed? [open-ended; mark all mentioned]
       ☐ Dental plan wouldn't cover treatment/service (out of pocket cost)
       ☐ Couldn't find provider that took your dental insurance
       ☐ Problems getting appointment
       ☐ Transportation/logistics
       ☐ Afraid of going to dentist
       ☐ Doesn't realize HMP covers dental at all
       ☐ Other [TEXT BOX]

People who enroll in the Healthy Michigan Plan are encouraged to complete a Health Risk Assessment each year. *The Health Risk Assessment form includes questions about your eating, exercise and other health habits; a section about choosing a healthy behavior to work on; and a section your provider's office should complete. The next questions are from the first section of the Health Risk Assessment*

Q29. In the last 7 days, how many days did you exercise for at least 20 minutes? [Read categories if needed]: Every day; 3-6 days; 1-2 days; 0 days

Q30. In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks? (Do not include diet soda)
Every day; 3-6 days; 1-2 days; 0 days

Q31. In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day?
Every day; 3-6 days; 1-2 days; 0 days
    If questioned: Each time you ate a fruit or vegetable counts as one serving. It can be fresh, frozen, canned, cooked or mixed with other foods.

Q32. In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise? Y/N

Q33. In the last 12 months, has a doctor, nurse, or other health professional talked with you about diet and nutrition? Y/N

Q34. In the last 7 days, how many days did you have [AUTOFILLE 5 or 4] alcoholic drinks *on the same day*?
    Every day; 3-6 days; 1-2 days; 0 days
If Q34=1 or more days: **Q34a** In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use? Y/N

Q35. In the last 30 days have you smoked or used tobacco? Y/N

If Q35=YES: **Q35a** Do you want to quit or cut back on smoking or using tobacco? Y/N

    If Q35a=YES:**Q35b** Are you working on cutting back or quitting right now? Y/N

Q35c In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on HOW to quit smoking? Y/N

Q36. In the last 30 days, have you used drugs or medications *to affect your mood or help you relax?* This includes prescription drugs taken differently than how you were told to take them, as well as street drugs. Y/N

    If Q36=YES: **Q36a** How often? Almost every day/Sometimes/Rarely/Never

        IF Q36a = ALMOST EVERY DAY OR SOMETIMES: **Q36b** In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications? Y/N

So again, the Health Risk Assessment has *three parts: questions about your eating, exercise and smoking habits; a section about choosing a healthy behavior to work on; and a section your provider's office should complete.*

Q37. During the time you have been enrolled in the Healthy Michigan Plan, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office? Yes/No/Don't remember

If YES: **37a** What healthy behavior did you choose to work on? [open-ended, code all mentioned]

Exercise/activity	Take medicine regularly
Nutrition/diet	Monitor my blood pressure/blood sugar
Lose weight	Go to the dentist
Reduce/quit tobacco use	Return to doctor
Flu shot	Other _____
Reduce/quit alcohol use	None
Treatment for substance use	Don't remember
Stress/mental health care	

    37b WHY did you choose this healthy behavior? [open-ended, code all mentioned]

        Doctor suggested it

        Something I wanted to do anyway

        Easy to do

        HMP would cover the cost

        It would help improve my illness/health condition

        Other [TEXT BOX]: _____

If Q37=YES, ask Q38A-C

Q38a Did completing the Health Risk Assessment teach you something you didn't know about your health? Would you say: Definitely yes; somewhat yes; no

Q38b Did completing the Health Risk Assessment help your primary care provider better understand your health needs? Would you say: Definitely yes; somewhat yes; no

Q38c Did completing the Health Risk Assessment motivate you to be more responsible for your health? Would you say: Definitely yes; somewhat yes; no

Now I'm going to ask you some questions about your Healthy Michigan coverage.

Q39. I'm going to read some different types of health care, and you tell me if you think it is covered under Healthy Michigan Plan, not covered, or if you don't know. Don't worry if you don't know the answer – the state is just trying to find out what people know about the Healthy Michigan Plan. The first one is eyeglasses; do you think those are covered or not covered?

        a. Eyeglasses   covered/not covered/don't know
        b. Prescription medications
        c. Routine dental care
        d. Treatment to stop smoking
        e. Birth control or family planning
        f. Counseling for mental or emotional problems
        g. Substance use treatment

Q40. Since you've been enrolled in the Healthy Michigan Plan, have you had any questions or problems **using** your Healthy Michigan Plan insurance? Yes/No

   If Q30=YES: **Q40a:** What kind of questions or difficulties did you have? (open ended; check all that apply)

        ☐ Difficulty/inability finding a provider
        ☐ Needed a service that wasn't covered
        ☐ Difficulty finding out information
        ☐ Payment issues (making payments, charged incorrectly, did not know how/how much to pay)
        ☐ Administrative issue [TEXT BOX]: _____
        ☐ Other [TEXT BOX]: _____

Q41. In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything? It's called your MI Health Account Statement. Yes/No/Not sure

                     NOTE: Health Account statements are sent through the mail. You should get one of these statements
                     every few months, even if you don't owe anything. Do you remember anything like that?

If Q41=Yes: For the following statements, tell me if you strongly agree, agree, are neutral, disagree, or strongly disagree.

    Q42a I carefully review each MI Health Account statement to see how much I owe;
    Q42b The MI Health Account statements help me be more aware of the cost of health care;
    Q42c Information I saw in a MI Health Account statement led me to change some of my decisions about health care

Q43. For the next statements, tell me if you*: strongly agree, agree, are neutral, disagree, or strongly disagree.*

    a)   The amount I have to pay overall for the Healthy Michigan Plan seems fair.
    b)   The amount I pay for the Healthy Michigan Plan is affordable.
    c)   There is a limit on the total amount I have to pay each year for Healthy Michigan Plan insurance.
    d)   Having the Healthy Michigan Plan has taken a lot of stress off me.
    e)   Without the Healthy Michigan Plan, I wouldn't be able to go to the doctor.
    f)   Without the Healthy Michigan Plan, I wouldn't be able to go to the dentist.
    g)   I worry about not being able to get the health care I need if my Healthy Michigan Plan insurance ends.

Q44. For the following statements, if you think the statement is correct, say "yes." If you think it is incorrect, say "no." If you don't know, say "don't know".

I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
Some kinds of visits, tests and medicines have no copays. Y/N/DK

Q45. For the next statements, tell me if you*: strongly agree, agree, are neutral, disagree, or strongly disagree*

a) Doctors treat people on Medicaid the same as people with private insurance.
b) Medicaid helps people get a "leg-up" when they really need it.
c) Many people on Medicaid do not want other people to know.
d) A lot of people in this country don't respect those on Medicaid.
e) There should be a limit on how long someone can be covered by Medicaid.
f) It is very important to me personally to have health insurance.
g) Getting discounts on copays and premiums as a reward for healthy behavior is a good idea.
h) Everyone should have to pay something for their health care.
i) If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion.

Q46. In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?
Record $ _____ OR Don't Know

If DON'T KNOW: **Q46a** I'll read some categories, and you stop me when I get to the amount you think is about right. less than $50, from $51-100, $101-500, $501 to $2,000, $2,001 to $3,000, $3,001 to $5,000, or more than $5,000?

INTERVIEWER NOTE: (1) Your best estimate is fine. (2) Include anything paid for prescription drugs, co-payments, insurance premiums and deductibles. Do not include anything paid by your health insurance.

For these next questions, you can just answer yes or no.
Q47. In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care?
If Q47=YES: **Q47a:** What type of health care was this for? (open ended; check all that apply)
☐ Doctor's visit
☐ Medication
☐ Lab test / imaging test
☐ Surgery or procedure
☐ Other [TEXT BOX]

Q48. In the past 12 months, did you compare quality ratings for any health care services at different places?
If Q48=YES: **Q48a:** What type of health care was this for? (open ended; check all that apply)
☐ Doctor's visit
☐ Medication
☐ Lab test / imaging test
☐ Surgery or procedure
☐ Other [TEXT BOX]

Q49. In the past 12 months, did you talk with a health care provider about how much any health care services would cost you personally?

If Q49=YES: **Q49a:** What type of health care was this for? (open ended; check all that apply)
- ☐ Doctor's visit
- ☐ Medication
- ☐ Lab test / imaging test
- ☐ Surgery or procedure
- ☐ Other [TEXT BOX]

Q50. In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

Next we have just a few questions about you.
Q51. Are you currently in school? Yes/No
> If Q51=YES: **Q51a** Are you a full-time or part-time student? Full-time/Part-time

Q52. Are you currently employed or self-employed? Yes/No
> If Q52=YES: **Q52a** are you working full time or part time? Full-time/Part-time
>
> **Q52b** In the past 12 months...about how many days did you miss work because of illness or injury (do not include maternity leave)?
>
> **Q52c** Have you changed jobs in the last 12 months? Y/N
>
> If Q51=NO: **Q53a** Are you out of work, unable to work, retired, or not looking for work at this

time?
> | 1 | Out of work |
> |---|---|
> | 2 | Unable to work |
> | 3 | Retired |
> | 4 | Not looking for work at this time |
>
> **Q53b** How long have you been [out of work/unable to work/retired]?
> Less than one year / One year or more
>
> [if unable] **Q53c** Why are you unable to work?
> Disabled / Poor health / Old age / Caregiving responsibilities / Other [TEXT BOX]

Q70. In the past 12 months, did you spend time caring for a person who could not care for themselves due to illness or disability? Yes/No/DK

[If Q70=YES respondents receive Q71 and Q72]
LOGIC CHANGED 3/30/18 to add additional SKIP for Q71 AND Q72: [SKIP IF Q53B1=2 OR Q53B2=2 OR Q53B3=2]

Q71. In the past 12 months, did you experience any of the following because you were caring for a person who could not care for themselves due to illness or disability?
a. Went from working full-time to part-time, or cut back your hours Yes/No
b. Received a warning about your performance or attendance at work Yes/No
c. Lost any of your job benefits Yes/No
d. Took a leave of absence from work Yes/No

e. Gave up working entirely Yes/No

Q72. In the past 12 months, about how many days did you miss work because you were caring for a person who could not care for themselves due to illness or disability? _____ (write in)

Q54. For the next questions, please answer Yes, No or Not applicable.
a: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.
b: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.
c: Getting health insurance through the Healthy Michigan Plan helped me do a better job at work.
d: Having health insurance through the Healthy Michigan Plan helped me get a better job.
e: Having health insurance through the Healthy Michigan Plan has made me better able to look for a job.

Q73: How much longer do you expect you will have insurance through the Health Michigan Plan?
    < 6 months
    6 months to a year
    1-2 years
    more than 2 years
    don't know

[If Q73=< 6 months, 6 months to a year, or 1-2 yrs:] Q74. What is the reason you think your HMP insurance will end? (open ended; check all mentioned)
    ☐ Expect to get employer-sponsored insurance (own or family member)
    ☐ Expect an income increase
    ☐ Expect a household change
    ☐ Will turn 65/Medicare eligible
    ☐ Dissatisfied with HMP
    ☐ Other [TEXT BOX]: _____

Q55. What is the highest grade of school you have completed, or the highest degree you have received? [open-ended / mark correct category]
    ☐ Less than high school
    ☐ High school graduate (or equivalent)
    ☐ Some college (1-4 years, no degree)
    ☐ Associate's degree (including occupational or academic degrees)
    ☐ Bachelor's degree (BA, BS, AB, etc.)
    ☐ A post graduate degree (MS, MSW, MPH, MD, JD, etc.)

Q56. How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan? Never/Rarely/Sometimes/Often/Always

Q57. What race or races do you consider yourself to be? [open question, check all that they mention]
    ☐ White
    ☐ Black or African American
    ☐ American Indian or Alaska Native
    ☐ Asian: Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Other Asian
    ☐ Pacific Islander: Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander

Q58a Are you Hispanic or Latino? Yes/No

Q58b Are you of Arab or Chaldean or Middle Eastern descent? Yes/No

Q59. Are you: Married   Divorced   Widowed   Separated   Partnered   Never Married

Q60a. In the past 3 years, how many places have you lived for one week or longer —including where you live now?   Would you say: 1 / 2 / 3 / 4 or more

Q60b. Have you been homeless at any time in the last 12 months?

Q61. Is anyone else in your household enrolled in the Healthy Michigan Plan? Yes/No

Q62. Are you a veteran of the US Military Armed Forces? Yes/ No

Q63 Would you like to add anything else about your experiences with the Healthy Michigan Plan? [TEXT BOX]

End of Survey/Contact Information:
ADDRESS2 That's the end of the survey. Can you please confirm your address so we can send your gift card?
[AUTOFILL address] You should receive the gift card in 1-3 weeks at that address.
FOLLOWUPSURV We may be conducting a follow-up survey. Would you be willing to have us recontact you for that? We're just asking for contact information – you can decide at that time if you'd like to participate. Y/N
FOLLOWUPPHONE If YES: What is the best phone number to reach you? [Record new #]
FOLLOWUPTEXT Can this number get text messages? Yes/No
FOLLOWUPEMAIL Is there an email address we can use to contact you? Y/N [record If given]
INT99 Thanks so much for talking with me today! Look for your gift card in 1-3 weeks.