

UNDERSTANDING AND USING MIDUS

Barry T. Radler, PhD
University of Wisconsin-Madison
Institute on Aging



Overview



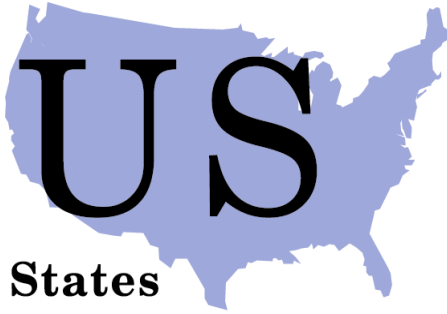
- **MIDUS background:**
 - Study design, unique features, content/measures
- **Research data access and documentation**
 - Importance of structured metadata
 - Using Data Documentation Initiative (DDI)
 - Facilitating documentation and discovery of longitudinal research data
- **Demonstrate MIDUS Portal**
 - Metadata standards → find, access, interpret, use



MIDUS Background



MIDUS



Midlife in the United States

A National Study of Health & Well-Being

- **Baseline: 1995**
 - Harvard University
 - Funded by MacArthur Foundation
 - National sample: N=7,108
 - Ages 25-74



MIDUS Background

- *Unique Features*

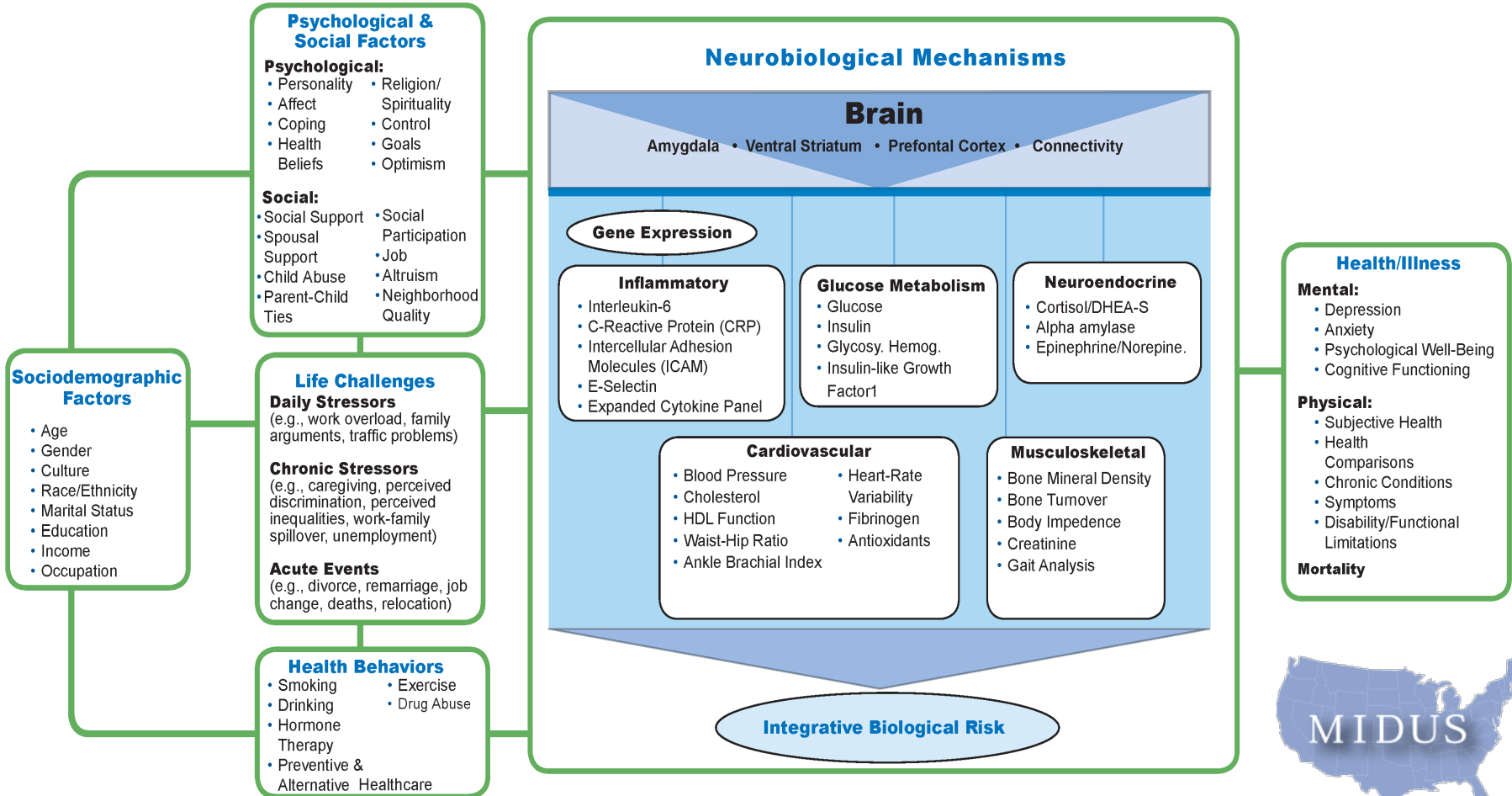


- **Multidisciplinary**
 - “Bio-psycho-social” approach
 - Extensive assessments and data types



MIDUS Background

-Multi-disciplinary framework



PROJECT 1

(SURVEY OF A NATIONAL SAMPLE)

Assessed a wide array of psychological constructs (e.g., personality, psychological well-being, positive and negative affect, sense of control, goal orientations) and demographic characteristics (e.g., gender, marital status, socioeconomic standing, employment status), along with extensive health measures (mental and physical).

MODE: 30-minute Phone Interview and Two 50-page Self-Administered Questionnaires

THE MIDUS II PROJECTS

PROJECT 2

(Daily Diary Study)

8 days of daily experience obtained via phone interviews.

(e.g., time use, physical health symptoms and substance use, work productivity, psychological distress)

4 days of salivary cortisol

PROJECT 3

(Cognitive Functioning)

Phone-based cognitive battery

(e.g., episodic verbal memory, working memory, verbal ability and speed, fluid intelligence/reasoning, speed of processing, episodic verbal memory/forgetting)

Face-to-face assessment of cognitive capacities

PROJECT 4

(Biomarkers)

2-Day Clinic Visit:

Biomarkers—neuroendocrine, cardiovascular, immune, bone

Physical exam

Medical history

Medications

Sleep assessments

Laboratory challenge study—heart-rate

variability, blood pressure, cortisol

PROJECT 5

(Neuroscience)

Affective reactivity & recovery:

- baseline electroencephalography (EEG)
- task-related EEG
- task-related electromyography (EMG; eyeblink startle response, post auricular startle reflex, corrugator supercilli activity)
- structural MRI of neuroanatomy
- task event-related fMRI

MIDUS Background

- *Unique Features*

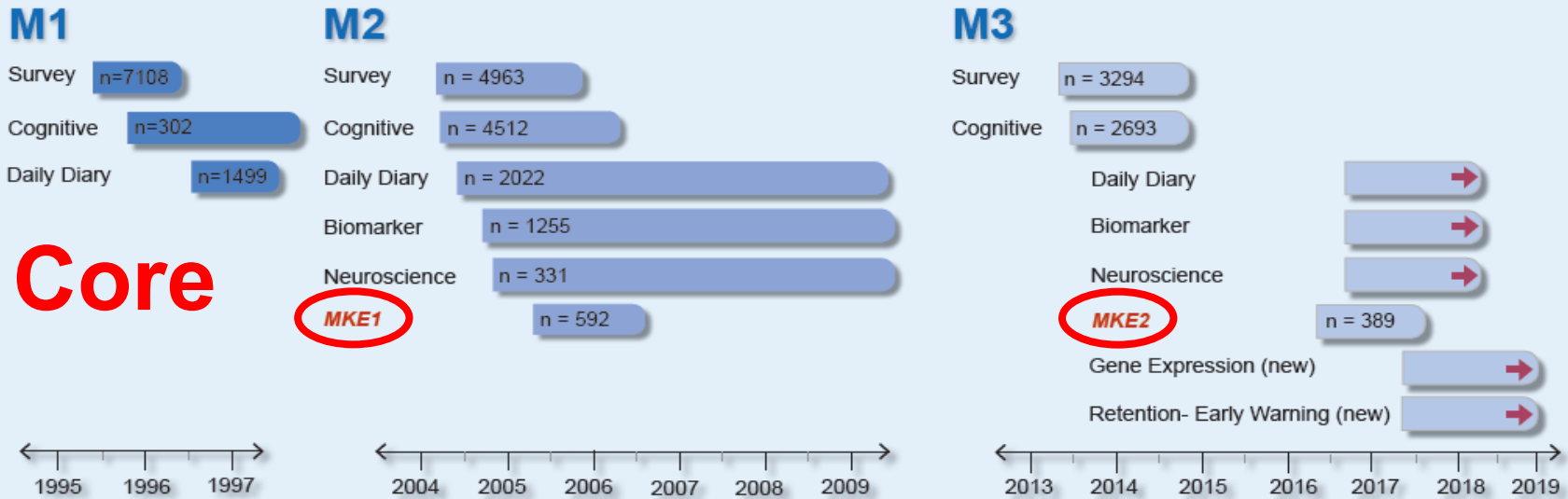


- **Multidisciplinary**
 - “Bio-psycho-social” approach
 - Extensive assessments and data types
- **Longitudinal**
 - Repeated assessments over 25 years
- **Multiple samples**
 - 2 National RDD (Core and Refresher)
 - Sibling, Twins (within Core)
 - 2 Milwaukee African American (Core and Refresher)
 - 1 Japanese

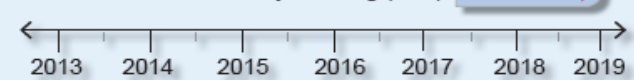
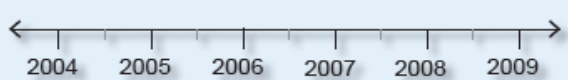
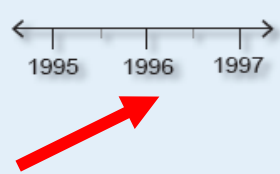


MIDUS Background

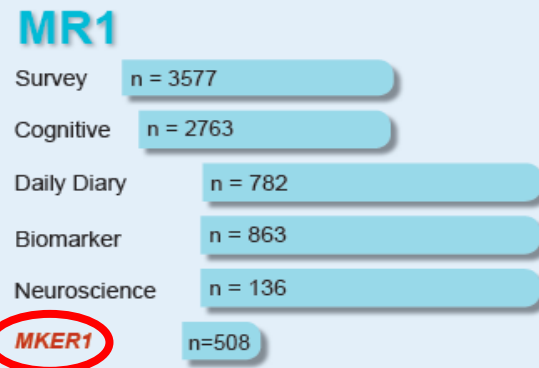
- Longitudinal, multi-disciplinary, multi-sample



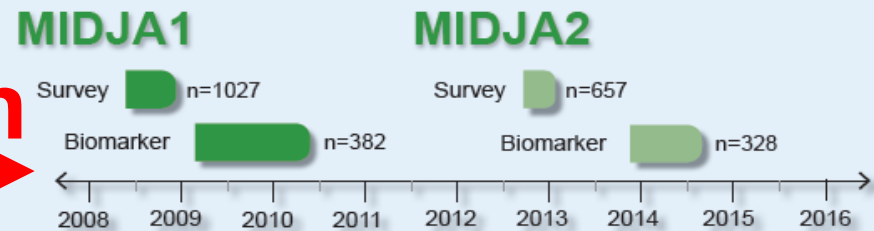
Core



Refresher



Japan



MIDUS Background

- *Unique Features*



- **Multidisciplinary**
 - “Bio-psycho-social” approach
 - Extensive assessments and data types
- **Longitudinal**
 - Repeated assessments over 25 years
- **Multiple samples**
 - 2 National RDD (Core and Refresher)
 - Sibling, Twins (within Core)
 - 2 Milwaukee African American (Core and Refresher)
 - 1 Japanese
- **Rich and integrated data resource**



MIDUS Background

- *Rich data resource*



- **28 primary datasets**
 - 37,000 variables
 - $N \approx 13,000$
- **Open Data philosophy**
 - Archived/distributed by NACDA/ICPSR
 - **Widespread secondary usage since 1999:**
 - 136,000 data downloads
 - 24,000 users
 - 1,500 publications



MIDUS Documentation

- Metadata standards are critical



- **Documentation**
 - Independently understandable
- **Metadata**
 - Maximize usability
 - FAIR (Findable, Accessible, Interoperable, Reproducible)
- **Data Documentation Initiative:**
 - A machine-actionable metadata standard to describe social science research data
 - DDI used by
 - NACDA/ICPSR
 - MIDUS



MIDUS Documentation

- Metadata standards are critical



- **MIDUS Portal uses Colectica software**

- **Variable Search**

- Searches metadata fields such as: variable names, labels, question text, assigned concepts
 - Searches across MIDUS project datasets

- **Harmonization**

- Clarifies the equivalency and relationship of similar variables across waves or samples

- **Data extract**

- Create custom datasets
 - Facilitate accurate merges across numerous datasets



The MIDUS Colectica Portal



<http://midus.colectica.org>

MIDUS Search Explore Baskets 2 Admin

Help Feedback bradler@wisc.edu

Home

Welcome

Welcome to the MIDUS Portal!

This Portal provides access to documentation, richly-structured metadata, and publicly-available data for the MIDUS (Midlife in the United States) study.



The Portal employs Data Documentation Initiative metadata standards and is powered by Colectica software.



Midlife in the United States

MIDUS is a national longitudinal study of health and well-being that was conceived by a multidisciplinary team of scholars interested in understanding aging as an integrated bio-psycho-social process. Begun in 1995, MIDUS has grown to include data from over 12,000 individuals, comprising thousands of variables in different scientific topics.

The MIDUS portal is organized around four primary functions:

- **Homepage:** Data and documentation for individual MIDUS Projects can be found below. Users can browse variables, read abstracts, and download instruments and documentation for each MIDUS Project. Complete Project datasets are also available via links to the official MIDUS archive at [ICPSR](#).

MIDUS Portal

- Homepage



MIDUS

Search

Explore

Baskets 2

Admin

Help

Feedback

bradler@wisc.edu

MIDUS 1 (Core)

Project 1 (Survey)	In 1995/96, the MacArthur Midlife Research Network conducted the MIDUS 1 (M1) survey on a national sample of over 7,000 Americans aged 25 to 74. This sample included subsamples of Siblings and Twin Pairs.	Study Documentation	Browse Variables	Download Full ICPSR Dataset	Download PDF Codebook
Project 1 (Twin Screener)	MIDUS 1 screened a national sample of twin pairs that resulted in the MIDUS Twin sample. The data, instrument, and documentation from that screening effort are available here.	Study Documentation	Browse Variables	Download Full ICPSR Dataset	Download PDF Codebook
Project 2 (Daily Diary)	The M1 National Study of Daily Experiences examined the day-to-day lives--particularly the daily stressful experiences--of a subsample of M1 Survey respondents.	Study Documentation	Browse Variables	Download Full ICPSR Dataset	Download PDF Codebook

MIDUS 2 (Core)

Project 1 (Survey)	In 2004/05, MIDUS 2 (M2) Project 1 provided follow-up on the psychosocial, sociodemographic, and health variables assessed in MIDUS 1.	Study Documentation	Browse Variables	Download Full Dataset	Download PDF Codebook
Project 1 (Disposition Codes)	Final disposition codes for the MIDUS 2 phone interview are available here.	Study Documentation	Browse Variables	Download Full Dataset	Download PDF Codebook
Project 1 (Coded Text)	Responses to open-ended variables for the MIDUS 2 phone interview and SAQ were coded and are available here.	Study Documentation	Browse Variables	Download Full Dataset	Download PDF Codebook
Project 1 (SAQxPhone)	An effort to interview SAQ non-responders via telephone interview resulted in extra SAQ data for 365 M2 respondents.	Study Documentation	Browse Variables	Download Full Dataset	Download PDF Codebook

MIDUS Portal

- Search



MIDUS **Search**

Explore

Baskets **0**

Admin

Help

Feedback

bradler@wisc.edu

Series

Variables

smoking or cigarette and age



Sort by:

Relevance

Syntax

Item types: Variables

Query: smoking or cigarette and age

Results 1 to 100 of 172 (0.06 seconds)

A1PA41

Age had first cigarette

At what age did you have your very first cigarette?

RAACA36

Age had first cigarette

At what age did you have your very first cigarette?

A1PA43

Now smoke cigarettes regularly

(IF A1PA41 = NEVER HAD A CIGARETTE; IF A1PA40 = NO OR DK)



Appears Within

- Studies
 - MIDUS 1 Project 1
- Data Files
 - M1P1

Age began to smoke regularly

MIDUS 1 Project 1 M1P1

« A1PA40

M1P1 (140 of 2098)

A1PA43 »

Variable Description

- Name A1PA42
- Label Age began to smoke regularly
- Question Text At what age did you begin to smoke REGULARLY?
- Backward Skip (IF A1PA41 = NEVER HAD A CIGARETTE; IF A1PA40 = NO OR DK)
- Dataset M1_P1_SURVEY_N7108_20190116

Value	Label	Frequency	% of valid	% of all	
97	DONT KNOW	16		0.23%	
99	INAPP	3,432		48.28%	
Valid	Invalid	Min	Max	Mean	StdDev
3660	3448	5	56	18.76	4.76

Lineage

M1P1 - Age began to smoke regularly
A1PA42

A1PA42 At what age did you begin to smoke REGULARLY?



Appears Within

- Studies
 - MIDUS 1 Project 1
- Data Files
 - M1P1

Ever smoked cigarettes regularly

MIDUS 1 Project 1 M1P1

A1PA41 M1P1 (139 of 2098) A1PA42

Variable Description

Name A1PA40
Label Ever smoked cigarettes regularly
Backward Skip (IF A1PA41 = NEVER HAD A CIGARETTE)
Forward Skip IF A1PA40 =NO OR DK, GO TO A1PA52
Question Text Have you ever smoked cigarettes regularly -- that is, at least a few cigarettes every day?

Dataset M1_P1_SURVEY_N7108_20190116

Value	Label	Frequency	% of valid	% of all
1	YES	3,676	67.89%	51.72%
2	NO	1,739	32.11%	24.47%
7	DON'T KNOW	3		0.04%
9	INAPP	1,690		23.78%

Valid	Invalid	Min	Max
5415	1693	1	2

Lineage

M1P1 - Ever smoked cigarettes regularly
A1PA40

MIDUS Portal

- *Explore*



MIDUS Search **Explore** Baskets 0 Admin Help Feedback bradler

- Survey
- Daily Diary
- Cognitive
- Biomarker
- Neuroscience
- ONET

Select an item on the left.

Explore currently provides harmonization information for the Survey, Daily Diary, Cognitive, and Neuroscience variables for the U.S. samples. Work is ongoing to harmonize the MIDJA (J) variables.

MIDUS Portal

- Explore



MIDUS

Search

Explore

Baskets 0

Admin

Help

Feedback

bradler@wisc.edu

- Survey
- Administration
- Recession Experience
- Health
 - Self-Evaluated Health
 - Physical/Mental Health Limits Work
 - Health at Age 16
 - History of Neurological Disorder
 - History of Heart Trouble
 - Cardiovascular Health
 - Angina
 - Chest Pain
 - Blood Pressure
 - Cancer
 - Hysterectomy/Ovary Removal
 - History of Smoking**
 - History of Drinking
 - Depression - Depressed Affect
 - Depression - Anhedonia
 - Depression - Depressed Affect and Anhedonia
 - Anxiety/Worry/Panic
- Education, Occupation, and Marital Status
- Household Roster and Children
- Caregiving
- Living Arrangements
- Race and Ethnicity
- Life Satisfaction
- Your Health
- Health Questions for Women
- Health Insurance
- Parent's Health
- Personal Beliefs
- Work

	M1P1	M2P1	M3P1	MKE1	MKE2	MR1P1	MKER1	M3P7
Age had first cigarette	A1PA41	B1PA37	C1PA37	BACA36	CACA36	RA1PA37	RAACA36	C7CA36
Ever smoked cigarettes regularly	A1PA40	B1PA38A	C1PA38A	BACA37	CACA37	RA1PA38A	RAACA37	C7CA37
Age began to smoke regularly	A1PA42	B1PA38B	C1PA38B	BACA38	CACA38	RA1PA38B	RAACA38	C7CA38
Now smoke cigarettes regularly	A1PA43	B1PA39	C1PA39	BACA39	CACA39	RA1PA39	RAACA39	C7CA39
Cigarettes per day during heaviest year - Current smoker	A1PA44	B1PA40	C1PA40	BACA40	CACA40	RA1PA40	RAACA40	C7CA40
Ever tried to quit smoking	A1PA45	B1PA41	C1PA41	BACA41	CACA41	RA1PA41	RAACA41	C7CA41
Age last smoked regularly	A1PA46	B1PA42	C1PA42	BACA42	CACA42	RA1PA42	RAACA42	C7CA42
Cigarettes per day during heaviest year - Past smoker	A1PA47	B1PA43	C1PA43	BACA43	CACA43	RA1PA43	RAACA43	C7CA43
Ever used pipe, cigars, snuff, chew		B1PA44	C1PA44	BACA44	CACA44	RA1PA44	RAACA44	C7CA44
Lived with smoker growing up - Father		B1PA45A		BACA45A		RA1PA45A	RAACA45A	C7CA45A
Lived with smoker growing up - Mother		B1PA45B		BACA45B		RA1PA45B	RAACA45B	C7CA45B
Lived with smoker growing up - Other		B1PA45C		BACA45C		RA1PA45C	RAACA45C	C7CA45C
In home anyone smoke or use tobacco current		B1PA46	C1PA46	BACA46	CACA46	RA1PA46	RAACA46	C7CA46
At job anyone smoke or use tobacco ever		B1PA47	C1PA48	BACA47	CACA47	RA1PA47	RAACA47	C7CA47
At job anyone smoke or use tobacco current		B1PA48	C1PA47	BACA48	CACA48	RA1PA48	RAACA48	C7CA48



Details...

Conceptual Variable

Name P1_ConceptualVariable_266
 Label Lived with smoker growing up - Father
 Comparability Notes Not in M1, M3, and MKE2; was introduced at M2, MKE1, MR1, MKER1 as a new baseline item.
 Comparability Class General Item Availability; Baseline Item

Statistics Code Comparison Correspondence Tree

% of valid % of total

	M2P1	MKE1	MR1P1	MKER1	M3P7
	B1PA45A	BACA45A	RA1PA45A	RAACA45A	C7CA45A
YES	59.92%	41.05%	52.31%	32.35%	51.54%
NO	12.22%	28.21%	13.79%	40.83%	21.08%
NO ONE	27.86%	30.74%	33.90%	26.82%	27.38%
DON'T KNOW					
REFUSED					
INAPP					

Dataset	Variable	Valid	Invalid	Min	First Quartile	Median	Third Quartile	Max	Mean	StdDev
M2P1	B1PA45A	4,960	3	1				4		
MKE1	BACA45A	592	0	1				4		
MRP1	RA1PA45A	3,575	2	1				4		
MKER	RAACA45A	507	1	1				4		
M3P7	C7CA45A	650	1	1				4		



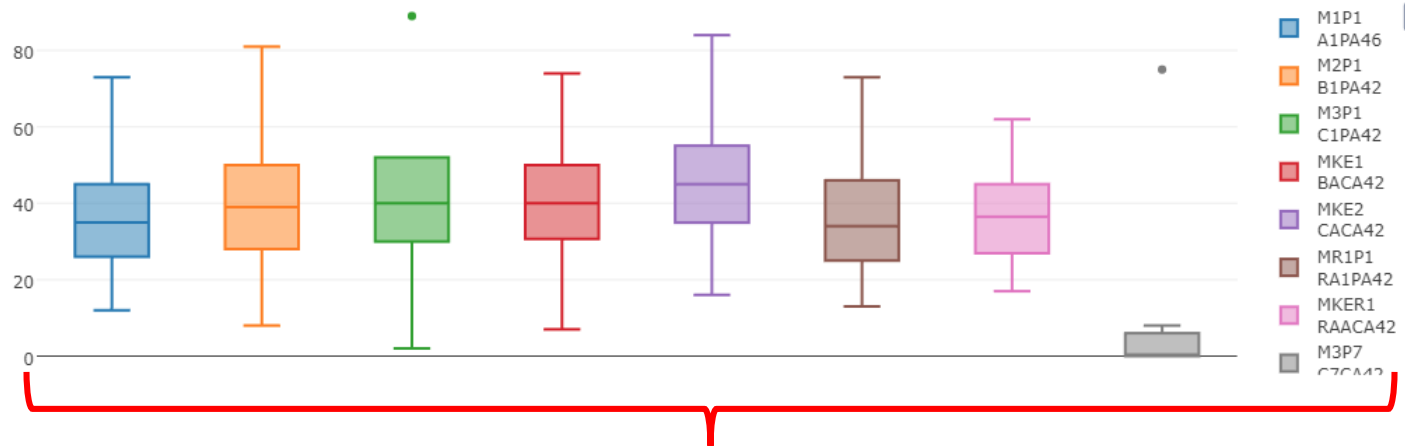
Details...

Conceptual Variable

Name P1_ConceptualVariable_263
Label Age last smoked regularly

Statistics Code Comparison Correspondence Tree

Age last smoked regularly



Dataset	Variable	Valid	Invalid	Min	First Quartile	Median	Third Quartile	Max	Mean	StdDev
M1P1	A1PA46	2,033	5,075	12	26	35	45	73	36.5	12.59
M2P1	B1PA42	1,632	3,331	8	28	39	50	81	39.31	13.52
M3P1	C1PA42	1,152	2,142	2	30	40	52	89	41.21	14.75
MKE1	BACA42	161	431	7	30.67	40	50	74	40.73	12.61
MKE2	CACA42	122	267	16	34.92	45	55.08	84	44.78	14.37

ER1	M3P7
CA36	C7CA36
CA37	C7CA37
CA38	C7CA38
CA39	C7CA39
CA40	C7CA40
CA41	C7CA41
CA42	C7CA42
CA43	C7CA43
CA44	C7CA44
CA45A	C7CA45A
CA45B	C7CA45B
CA45C	C7CA45C
CA46	C7CA46
CA47	C7CA47
CA48	C7CA48

MIDUS Portal

- Basket



- Survey
- Administration
- Recession Experience
- Health
 - Self-Evaluated Health
 - Physical/Mental Health Limits Work
 - Health at Age 16
 - History of Neurological Disorder
 - History of Heart Trouble
 - Cardiovascular Health
 - Angina
 - Chest Pain
 - Blood Pressure
 - Cancer
 - Hysterectomy/Ovary Removal
 - History of Smoking**
 - History of Drinking
 - Depression - Depressed Affect
 - Depression - Anhedonia
 - Depression - Depressed Affect and Anhedonia
 - Anxiety/Worry/Panic
- Education, Occupation, and Marital Status
- Household Roster and Children
- Caregiving
- Living Arrangements
- Race and Ethnicity
- Life Satisfaction
- Your Health
- Health Questions for Women
- Health Insurance
- Parent's Health
- Personal Beliefs
- Work

Table icons: grid, list, chart, help, print

Age had first cigarette

	M1P1	M2P1	M3P1	MKE1	MKE2	MR1P1	MKER1	M3P7
Age had first cigarette	A1PA41	B1PA37	C1PA37	BACA36	CACA36	RA1PA37	RAACA36	C7CA36
Ever smoked cigarettes regularly	A1PA40	B1PA38A	C1PA38A	BACA37	CACA37	RA1PA38A	RAACA37	C7CA37
Age began to smoke regularly	A1PA42	B1PA38B	C1PA38B	BACA38	CACA38	RA1PA38B	RAACA38	C7CA38
Now smoke cigarettes regularly	A1PA43	B1PA39	C1PA39	BACA39	CACA39	RA1PA39	RAACA39	C7CA39
Cigarettes per day during heaviest year - Current smoker	A1PA44	B1PA40	C1PA40	BACA40	CACA40	RA1PA40	RAACA40	C7CA40
Ever tried to quit smoking	A1PA45	B1PA41	C1PA41	BACA41	CACA41	RA1PA41	RAACA41	C7CA41
Age last smoked regularly	A1PA46	B1PA42	C1PA42	BACA42	CACA42	RA1PA42	RAACA42	C7CA42
Cigarettes per day during heaviest year - Past smoker	A1PA47	B1PA43	C1PA43	BACA43	CACA43	RA1PA43	RAACA43	C7CA43
Ever used pipe, cigars, snuff, chew		B1PA44	C1PA44	BACA44	CACA44	RA1PA44	RAACA44	C7CA44
Lived with smoker growing up - Father		B1PA45A		BACA45A		RA1PA45A	RAACA45A	C7CA45A
Lived with smoker growing up - Mother		B1PA45B		BACA45B		RA1PA45B	RAACA45B	C7CA45B
Lived with smoker growing up - Other		B1PA45C		BACA45C		RA1PA45C	RAACA45C	C7CA45C
In home anyone smoke or use tobacco current		B1PA46	C1PA46	BACA46	CACA46	RA1PA46	RAACA46	C7CA46
At job anyone smoke or use tobacco ever		B1PA47	C1PA48	BACA47	CACA47	RA1PA47	RAACA47	C7CA47
At job anyone smoke or use tobacco current		B1PA48	C1PA47	BACA48	CACA48	RA1PA48	RAACA48	C7CA48

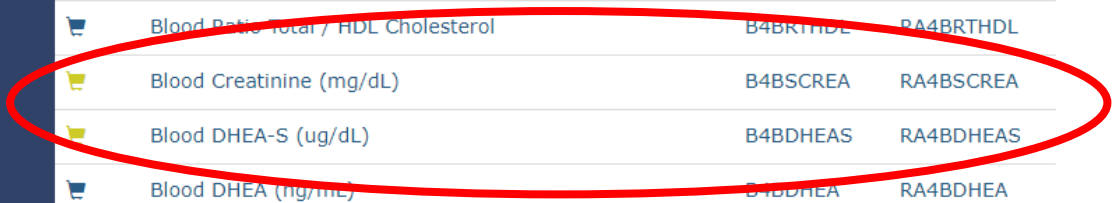
MIDUS Portal

- Basket



- Survey
- Daily Diary
- Cognitive
- Biomarker
- Administrative
- Self-Adminstrated Questionnaire (SAQ)
- Pittsburgh Sleep Questionnaire (PSQ)
- Medical History
- Musculoskeletal
- Gait
- Ankle Brachial Index
- Medication Chart
- Physical Exam
- Assay Data
 - Blood Assay**
 - Urine Assay
 - Saliva Assay
- Actigraphy
- Psychophysiology Protocol
- Neuroscience
- ONET

	M2P4	MR1P4
Biomarker blood sample status	B4ZBLOOD	RA4ZBLOOD
Blood Hemoglobin A1c %	B4BHA1C	RA4BHA1C
Blood Total Cholesterol (mg/dL)	B4BCHOL	RA4BCHOL
Blood Triglycerides (mg/dL)	B4BTRIGL	RA4BTRIGL
Blood HDL Cholesterol (mg/dL)	B4BHDL	RA4BHDL
Blood LDL Cholesterol (mg/dL)	B4BLDL	RA4BLDL
Blood Ratio Total / HDL Cholesterol	B4BRTHDL	RA4BRTHDL
Blood Creatinine (mg/dL)	B4BSCREA	RA4BSCREA
Blood DHEA-S (ug/dL)	B4BDHEAS	RA4BDHEAS
Blood DHEA (ng/mL)	B4BDHEA	RA4BDHEA
Blood Fasting Glucose levels mg/dL	B4BGLUC	RA4BGLUC
Blood Fasting Insulin levels uIU/mL	B4BINSLN	RA4BINSLN
Blood Fasting IGF1 (Insulin-like Growth Factor 1) ng/mL	B4BIGF1	RA4BIGF1
Blood Serum MSD IL6 (pg/mL)	B4BMSDIL6	RA4BMSDIL6
Blood Serum MSD IL8 (pg/mL)	B4BMSDIL8	RA4BMSDIL8
Blood Serum MSD IL10 (pg/mL)	B4BMSDIL10	RA4BMSDIL10
Blood Serum MSD TNF alpha (pg/mL)	B4BMSDTNFa	RA4BMSDTNFa
Blood Serum IL6 (pg/mL)	B4BIL6	RA4BIL6
Blood Serum Soluble IL6 Receptor (pg/mL)	B4BSIL6R	RA4BSIL6R
Blood Fibrinogen (mg/dL)	B4BFCN	RA4BFCN



MIDUS Portal

- Basket



- BASKETS
- List
- GSA 2021 Demo

GSA 2021 Demo

This is your active basket.

Variables (12)

Download Data Download Metadata

CSV	Age had first cigarette
SPSS	Age had first cigarette
C1PA37	Age had first cigarette
RA1PA37	Age had first cigarette
RAACA36	Age had first cigarette
A1PA41	Age had first cigarette
CACA36	Age had first cigarette
C7CA36	Age had first cigarette
B1PA37	Age had first cigarette

Details

Title
GSA 2021 Demo

Subtitle

Creator

Description

Citation

Persistent ID

Created
11/5/2021 9:25:58 PM

MIDUS Portal

- Basket



*GSA 2021 Demo.sav [DataSet2] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help



	Name	Label	Values	Missing	Type	Width	Decimals	Columns	Align
1	MIDUSID	Master ID created by concatenating M2ID, MRID, MIDJA_IDs	None	None	Numeric	8	0	8	Right
2	SAMPLMAJ	Major sample identification (aka Sample)	{1, MAIN RDD}...	None	Numeric	8	0	12	Right
3	M2ID	MIDUS 2 ID number	None	None	Numeric	8	0	8	Right
4	MRID	MIDUS Refresher ID number	None	None	Numeric	8	0	8	Right
5	C1PA37	Age had first cigarette	{96, NEVER HAD A CIGARETTE}...	97, 98, 96	Numeric	8	0	8	Right
6	A1PA41	Age had first cigarette	{96, NEVER HAD A CIGARETTE}...	97, 98, 99	Numeric	8	0	8	Right
7	B1PA37	Age had first cigarette	{96, NEVER HAD A CIGARETTE}...	96, 97, 98	Numeric	8	0	8	Right
8	B4BSCREA	Blood Creatinine (mg/dL)	{98, MISSING}...	98, 99, 98	Numeric	8	0	8	Right
9	B4BDHEAS	Blood DHEA-S (ug/dL)	{998, MISSING}...	998, 999, 998	Numeric	8	0	8	Right
10	BACA36	Age had first cigarette	{96, NEVER HAD A CIGARETTE}...	97, 98, 99	Numeric	8	0	8	Right
11	CACA36	Age had first cigarette	{96, NEVER HAD A CIGARETTE}...	96, 97, 98	Numeric	8	0	8	Right
12	RA1PA37	Age had first cigarette	{96, NEVER HAD A CIGARETTE}...	97, 98, 97	Numeric	8	0	8	Right

*GSA 2021 Demo.sav [DataSet2] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help



1 : MIDUSID 10001

Data View **Variable View**

Open data document

	MIDUSID	SAMPLMAJ	M2ID	MRID	C1PA37	A1PA41	B1PA37	B4BSCREA	B4BDHEAS	BACA36	CACA36	RA1PA37	RAACA36
1	10001	2	10001	.	13	13	11	.	.	.	.	.	.
2	10002	1	10002	.	96	96	96	1	74	.	.	.	.
3	10004	1	10004	.	.	20	.	.	.	.	.	.	.
4	10005	3	10005	.	.	36	35	1	13	.	.	.	.
5	10006	3	10006	.	.	21	18	.	.	.	.	.	.
6	10007	3	10007	.	.	13	.	.	.	.	.	.	.
7	10008	3	10008	.	.	11	.	.	.	.	.	.	.
8	10009	1	10009	.	.	96	.	.	.	.	.	.	.
9	10010	3	10010	.	.	12	13	.	.	.	.	.	.
10	10011	2	10011	.	96	96	96	.	.	.	.	.	.
11	10013	1	10013	.	.	15	.	.	.	.	.	.	.
12	10014	1	10014	.	.	12	12	.	.	.	.	.	.
13	10015	3	10015	.	15	14	15	.	.	.	.	.	.
14	10016	1	10016	.	.	15	.	.	.	.	.	.	.
15	10017	4	10017	.	.	16	15	.	.	.	.	.	.

Data View Variable View



GSA 2021 Demo

This is your active basket.

Variables (12)

	Download Data	Download Metadata	
			BACA36 t cigarette
			C1PA3 t cigarette
			RA1PA37 t cigarette
			RAACA36 Age had first cigarette
			A1PA41 Age had first cigarette
			CACA36 Age had first cigarette
			C7CA36 Age had first cigarette
			B1PA37 Age had first cigarette

Details

Title	GSA 2021 Demo
Subtitle	
Creator	
Description	
Citation	
Persistent ID	
Created	11/5/2021 9:25:58 PM
Last Updated	

MIDUS Portal

- Basket



Midlife in the United States (MIDUS)

GSA 2021 Demo

Generated on Monday, November 8, 2021 11:08 AM

Title

GSA 2021 Demo

Data File

Variable Count	18
----------------	----

MIDUSID - Master ID created by concatenating M2ID, MRID, MIDJA_IDs

Type	Numeric (Integer)
Data File	MIDUSID_SampleID_20160525

Valid	Invalid	Minimum	Maximum
13225	0	10001	39999

SAMPLMAJ - Major sample identification (aka Sample)

Type	Code
Data File	MIDUSID_SampleID_20160525

Valid			Frequency	% of total	% of valid
1	MAIN RDD		3,487	26.4%	26.4%
2	SIBLING		952	7.2%	7.2%
3	TWIN		1,996	15.1%	15.1%
4	CITY OVERSAMPLE		757	5.7%	5.7%
13	MILWAUKEE		592	4.5%	4.5%
14	BOSTON NEW		328	2.5%	2.5%
20	MIDUS REFRESHER		3,577	27.0%	27.0%
21	MILWAUKEE REFRESHER		509	3.8%	3.8%
30	MIDJA		1,027	7.8%	7.8%
	Total		13,225	100.0%	100%

Valid	Invalid	Minimum	Maximum
13225	0	1	30

M2ID - MIDUS 2 ID number

Type	Numeric (Integer)
Data File	MIDUSID_SampleID_20160525

Valid	Invalid	Minimum	Maximum
-------	---------	---------	---------

Midlife in the United States (MIDUS)

Valid	Invalid	Minimum	Maximum	Mean	StdDev
1239	16	0.9	685	105.12	77.04

RA4BDHEAS - Blood DHEA-S (ug/dL)

Type	Numeric (Integer)
Study	MIDUS Refresher 1 Project 4
Data File	MR1P4
Variable Group	MIDUS Refresher Project 4 VariableGroup
Variable Group	Lab Data
Variable Group	Blood Assays
Backward Skip	(RA4ZBLOOD=1)

	Frequency	% of total	% of valid	
Missing	998	MISSING	1	0.1%
	999	INAPP	10	1.2%
		Total	11	1.3%

Valid	Invalid	Minimum	Maximum	Mean	StdDev
852	11	1	300	122.54	86.45

B1PWG12 - M2 Main RDD Phone post-stratification weight - Region x Age x Education

Type	Numeric (Double)
Numeric Details	Decimals: 2
Study	MIDUS 2 Project 1
Data File	M2P1
Notes	For details see Documentation of Post-stratification Weights Created at MIDUS 2 .
ICPSR DOI for Project	http://dx.doi.org/10.3886/ICPSR04652
Comparability Notes	Weight variables computed for national samples or datasets only.
Comparability Class	General Item Availability

	Frequency	% of total	% of valid	
Missing	99.00	NOT CALCULATED (Non-RDD cases)	2,706	54.5%
		Total	2,706	54.5%

Valid	Invalid	Minimum	Maximum	Mean	StdDev
2257	2706	0.4	3.68	1	0.47

NACDA

- *Source for complete data files*



- **NACDA is the source for complete (and large) MIDUS Project datasets**
 - **Different software formats (SPSS, SAS, Stata, R, delimited.)**
- **All MIDUS datasets can be merged at case level**
 - **Use key case ID variables within each sample:**
 - **M2ID: MIDUS *Core* sample**
 - **MRID: MIDUS *Refresher* sample**
 - **MIDJA_ID: *Japanese* sample**



Recap



- **MIDUS study design:**
 - Longitudinal
 - Multi-disciplinary
 - Multiple cohorts and sub-samples
- **MIDUS data:**
 - Richly documented diverse data types
 - Available through NACDA or Portal
 - **MIDUS Portal:**
 - Searchable
 - Internally harmonized
 - Custom datasets and documentation download
- **Future: cross-study ‘harmonization’**
 - NSHAP, AddHealth, NHATS, WLS, CLOSER
 - Harmonization of concepts, then measures



Questions about MIDUS?



midus.wisc.edu



NACDA National Archive of
Computerized Data on Aging



This research is supported by the following grants from the National Institute on Aging:
U19-AG051426, R03-AG046312, 5P01-AG020166, R01-AG047154