

monitoring the future occasional paper series

Paper 83

***DEMOGRAPHIC SUBGROUP TRENDS AMONG ADOLESCENTS
IN THE USE OF VARIOUS LICIT AND ILLICIT DRUGS
1975–2014***

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Monitoring the Future: A Continuing Study of the Lifestyles and Values of Youth in the US

As its title suggests, Monitoring the Future is intended to assess the changing lifestyles, values, and preferences of American youth on a continuing basis. Each year since 1975, at least 13,000 seniors have participated in the annual survey, which is conducted in some 130 high schools nationwide. Since 1991, the study's annual surveys also have included surveys of similar nationally representative samples of eighth- and tenth-grade students. In addition, subsamples of high school seniors from previously participating classes receive follow-up questionnaires by mail each year.

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CONTENTS

**Demographic Subgroup Trends Among Adolescents in the Use of Various Licit and Illicit
Drugs, 1975-2014**

LIST OF FIGURES iv

LIST OF SUPPLEMENTAL TABLES xvi

INTRODUCTION..... xviii

FIGURES..... 1

DEFINITION OF BACKGROUND AND DEMOGRAPHIC SUBGROUPS

[This information also appears as Appendix B of *Monitoring the Future National Survey Results on Drug Use, 1975–2014. Volume I: Secondary School Students*]349

INTRODUCTION TO SUPPLEMENTAL TABLES

[These tables complement Appendix D of *Monitoring the Future National Survey Results on Drug Use, 1975-2014. Volume I: Secondary School Students*]353

TABLES.....355

**LIST OF FIGURES GIVING
DEMOGRAPHIC SUBGROUP TRENDS**

NOTE: The lists of figures and tables provided below contain clickable links to all graphics and tables in the paper.

Any Illicit Drug: Trends in Annual Prevalence

- [By Gender \(Figure 1\).....1](#)
- [By College Plans \(Figure 2\).....2](#)
- [By Region \(Figure 3\).....3](#)
- [By Population Density \(Figure 4\).....4](#)
- [By Average Education Level of Parents \(Figure 5\).....5](#)
- [By Race/Ethnicity \(Figure 6\).....6](#)

Any Illicit Drug other than Marijuana: Trends in Annual Prevalence

- [By Gender \(Figure 7\).....7](#)
- [By College Plans \(Figure 8\).....8](#)
- [By Region \(Figure 9\).....9](#)
- [By Population Density \(Figure 10\).....10](#)
- [By Average Education Level of Parents \(Figure 11\).....11](#)
- [By Race/Ethnicity \(Figure 12\).....12](#)

Marijuana: Trends in Lifetime Prevalence

- [By Gender \(Figure 13\).....13](#)
- [By College Plans \(Figure 14\).....14](#)
- [By Region \(Figure 15\).....15](#)
- [By Population Density \(Figure 16\).....16](#)
- [By Average Education Level of Parents \(Figure 17\).....17](#)
- [By Race/Ethnicity \(Figure 18\).....18](#)

Marijuana: Trends in Annual Prevalence

- [By Gender \(Figure 19\).....19](#)
- [By College Plans \(Figure 20\).....20](#)
- [By Region \(Figure 21\).....21](#)
- [By Population Density \(Figure 22\).....22](#)
- [By Average Education Level of Parents \(Figure 23\).....23](#)
- [By Race/Ethnicity \(Figure 24\).....24](#)

Marijuana: Trends in 30-Day Prevalence

- [By Gender \(Figure 25\).....25](#)
- [By College Plans \(Figure 26\).....26](#)
- [By Region \(Figure 27\).....27](#)
- [By Population Density \(Figure 28\).....28](#)

LIST OF FIGURES (continued)

By Average Education Level of Parents (Figure 29).....	29
By Race/Ethnicity (Figure 30).....	30
Marijuana: Trends in 30-Day Prevalence of Daily Use	
By Gender (Figure 31).....	31
By College Plans (Figure 32).....	32
By Region (Figure 33).....	33
By Population Density (Figure 34).....	34
By Average Education Level of Parents (Figure 35).....	35
By Race/Ethnicity (Figure 36).....	36
Synthetic Marijuana: Trends in Annual Prevalence	
By Gender (Figure 37).....	37
By College Plans (Figure 38).....	38
By Region (Figure 39).....	39
By Population Density (Figure 40).....	40
By Average Education Level of Parents (Figure 41).....	41
By Race/Ethnicity (Figure 42).....	42
Inhalants: Trends in Annual Prevalence	
By Gender (Figure 43).....	43
By College Plans (Figure 44).....	44
By Region (Figure 45).....	45
By Population Density (Figure 46).....	46
By Average Education Level of Parents (Figure 47).....	47
By Race/Ethnicity (Figure 48).....	48
Hallucinogens: Trends in Annual Prevalence	
By Gender (Figure 49).....	49
By College Plans (Figure 50).....	50
By Region (Figure 51).....	51
By Population Density (Figure 52).....	52
By Average Education Level of Parents (Figure 53).....	53
By Race/Ethnicity (Figure 54).....	54
LSD: Trends in Annual Prevalence	
By Gender (Figure 55).....	55
By College Plans (Figure 56).....	56
By Region (Figure 57).....	57
By Population Density (Figure 58).....	58
By Average Education Level of Parents (Figure 59).....	59
By Race/Ethnicity (Figure 60).....	60

LIST OF FIGURES (continued)

Hallucinogens other than LSD: Trends in Annual Prevalence	
By Gender (Figure 61)	61
By College Plans (Figure 62).....	62
By Region (Figure 63)	63
By Population Density (Figure 64).....	64
By Average Education Level of Parents (Figure 65).....	65
By Race/Ethnicity (Figure 66).....	66
MDMA (Ecstasy, Molly): Trends in Annual Prevalence	
By Gender (Figure 67)	67
By College Plans (Figure 68).....	68
By Region (Figure 69)	69
By Population Density (Figure 70).....	70
By Average Education Level of Parents (Figure 71).....	71
By Race/Ethnicity (Figure 72).....	72
Salvia: Trends in Annual Prevalence	
By Gender (Figure 73)	73
By College Plans (Figure 74).....	74
By Region (Figure 75)	75
By Population Density (Figure 76).....	76
By Average Education Level of Parents (Figure 77).....	77
By Race/Ethnicity (Figure 78).....	78
Cocaine: Trends in Annual Prevalence	
By Gender (Figure 79)	79
By College Plans (Figure 80).....	80
By Region (Figure 81)	81
By Population Density (Figure 82).....	82
By Average Education Level of Parents (Figure 83).....	83
By Race/Ethnicity (Figure 84).....	84
Crack: Trends in Annual Prevalence	
By Gender (Figure 85)	85
By College Plans (Figure 86).....	86
By Region (Figure 87)	87
By Population Density (Figure 88).....	88
By Average Education Level of Parents (Figure 89).....	89
By Race/Ethnicity (Figure 90).....	90

LIST OF FIGURES (continued)

Other Cocaine: Trends in Annual Prevalence

- By Gender (Figure 91)91
- By College Plans (Figure 92).....92
- By Region (Figure 93)93
- By Population Density (Figure 94)94
- By Average Education Level of Parents (Figure 95).....95
- By Race/Ethnicity (Figure 96)96

Heroin: Trends in Annual Prevalence

- By Gender (Figure 97)97
- By College Plans (Figure 98).....98
- By Region (Figure 99)99
- By Population Density (Figure 100)100
- By Average Education Level of Parents (Figure 101).....101
- By Race/Ethnicity (Figure 102)102

Heroin with a Needle: Trends in Annual Prevalence

- By Gender (Figure 103)103
- By College Plans (Figure 104).....104
- By Region (Figure 105)105
- By Population Density (Figure 106)106
- By Average Education Level of Parents (Figure 107).....107
- By Race/Ethnicity (Figure 108)108

Heroin without a Needle: Trends in Annual Prevalence

- By Gender (Figure 109)109
- By College Plans (Figure 110).....110
- By Region (Figure 111)111
- By Population Density (Figure 112)112
- By Average Education Level of Parents (Figure 113).....113
- By Race/Ethnicity (Figure 114)114

Narcotics other than Heroin: Trends in Annual Prevalence

- By Gender (Figure 115)115
- By College Plans (Figure 116).....116
- By Region (Figure 117)117
- By Population Density (Figure 118)118
- By Average Education Level of Parents (Figure 119).....119
- By Race/Ethnicity (Figure 120)120

LIST OF FIGURES (continued)

OxyContin: Trends in Annual Prevalence	
By Gender (Figure 121)	121
By College Plans (Figure 122).....	122
By Region (Figure 123)	123
By Population Density (Figure 124).....	124
By Average Education Level of Parents (Figure 125).....	125
By Race/Ethnicity (Figure 126).....	126
Vicodin: Trends in Annual Prevalence	
By Gender (Figure 127)	127
By College Plans (Figure 128).....	128
By Region (Figure 129)	129
By Population Density (Figure 130).....	130
By Average Education Level of Parents (Figure 131).....	131
By Race/Ethnicity (Figure 132).....	132
Amphetamines: Trends in Annual Prevalence	
By Gender (Figure 133)	133
By College Plans (Figure 134).....	134
By Region (Figure 135)	135
By Population Density (Figure 136).....	136
By Average Education Level of Parents (Figure 137).....	137
By Race/Ethnicity (Figure 138).....	138
Ritalin: Trends in Annual Prevalence	
By Gender (Figure 139)	139
By College Plans (Figure 140).....	140
By Region (Figure 141)	141
By Population Density (Figure 142).....	142
By Average Education Level of Parents (Figure 143).....	143
By Race/Ethnicity (Figure 144).....	144
Adderall: Trends in Annual Prevalence	
By Gender (Figure 145)	145
By College Plans (Figure 146).....	146
By Region (Figure 147)	147
By Population Density (Figure 148).....	148
By Average Education Level of Parents (Figure 149).....	149
By Race/Ethnicity (Figure 150).....	150

LIST OF FIGURES (continued)

Provigil: Trends in Annual Prevalence	
By Gender (Figure 151)	151
By College Plans (Figure 152).....	152
By Region (Figure 153)	153
By Population Density (Figure 154).....	154
By Average Education Level of Parents (Figure 155).....	155
By Race/Ethnicity (Figure 156).....	156
Methamphetamine: Trends in Annual Prevalence	
By Gender (Figure 157).....	157
By College Plans (Figure 158).....	158
By Region (Figure 159)	159
By Population Density (Figure 160).....	160
By Average Education Level of Parents (Figure 161).....	161
By Race/Ethnicity (Figure 162).....	162
Crystal Methamphetamine (Ice): Trends in Annual Prevalence	
By Gender (Figure 163)	163
By College Plans (Figure 164).....	164
By Region (Figure 165)	165
By Population Density (Figure 166).....	166
By Average Education Level of Parents (Figure 167).....	167
By Race/Ethnicity (Figure 168).....	168
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence	
By Gender (Figure 169)	169
By College Plans (Figure 170).....	170
By Region (Figure 171)	171
By Population Density (Figure 172).....	172
By Average Education Level of Parents (Figure 173).....	173
By Race/Ethnicity (Figure 174)	174
Sedatives (Barbiturates): Trends in Annual Prevalence	
By Gender (Figure 175)	175
By College Plans (Figure 176).....	176
By Region (Figure 177)	177
By Population Density (Figure 178).....	178
By Average Education Level of Parents (Figure 179).....	179
By Race/Ethnicity (Figure 180).....	180

LIST OF FIGURES (continued)

Tranquilizers: Trends in Annual Prevalence	
By Gender (Figure 181)	181
By College Plans (Figure 182).....	182
By Region (Figure 183)	183
By Population Density (Figure 184).....	184
By Average Education Level of Parents (Figure 185).....	185
By Race/Ethnicity (Figure 186).....	186
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence	
By Gender (Figure 187).....	187
By College Plans (Figure 188).....	188
By Region (Figure 189)	189
By Population Density (Figure 190).....	190
By Average Education Level of Parents (Figure 191).....	191
By Race/Ethnicity (Figure 192).....	192
Rohypnol: Trends in Annual Prevalence	
By Gender (Figure 193)	193
By College Plans (Figure 194).....	194
By Region (Figure 195)	195
By Population Density (Figure 196).....	196
By Average Education Level of Parents (Figure 197).....	197
By Race/Ethnicity (Figure 198).....	198
Alcohol: Trends in 30-Day Prevalence	
By Gender (Figure 199)	199
By College Plans (Figure 200).....	200
By Region (Figure 201)	201
By Population Density (Figure 202).....	202
By Average Education Level of Parents (Figure 203).....	203
By Race/Ethnicity (Figure 204).....	204
Alcohol: Trends in Daily Prevalence	
By Gender (Figure 205)	205
By College Plans (Figure 206).....	206
By Region (Figure 207)	207
By Population Density (Figure 208).....	208
By Average Education Level of Parents (Figure 209).....	209
By Race/Ethnicity (Figure 210).....	210

LIST OF FIGURES (continued)

Alcohol: Trends in 30-Day Prevalence of Having Been Drunk	
By Gender (Figure 211)	211
By College Plans (Figure 212).....	212
By Region (Figure 213)	213
By Population Density (Figure 214).....	214
By Average Education Level of Parents (Figure 215).....	215
By Race/Ethnicity (Figure 216).....	216
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row	
By Gender (Figure 217)	217
By College Plans (Figure 218).....	218
By Region (Figure 219)	219
By Population Density (Figure 220).....	220
By Average Education Level of Parents (Figure 221).....	221
By Race/Ethnicity (Figure 222).....	222
Beer: Trends in 30-Day Prevalence	
By Gender (Figure 223)	223
By College Plans (Figure 224).....	224
By Region (Figure 225)	225
By Population Density (Figure 226).....	226
By Average Education Level of Parents (Figure 227).....	227
By Race/Ethnicity (Figure 228).....	228
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row	
By Gender (Figure 229)	229
By College Plans (Figure 230).....	230
By Region (Figure 231)	231
By Population Density (Figure 232).....	232
By Average Education Level of Parents (Figure 233).....	233
By Race/Ethnicity (Figure 234).....	234
Liquor: Trends in 30-Day Prevalence	
By Gender (Figure 235)	235
By College Plans (Figure 236).....	236
By Region (Figure 237)	237
By Population Density (Figure 238).....	238
By Average Education Level of Parents (Figure 239).....	239
By Race/Ethnicity (Figure 240).....	240

LIST OF FIGURES (continued)

Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row	
By Gender (Figure 241)	241
By College Plans (Figure 242).....	242
By Region (Figure 243)	243
By Population Density (Figure 244).....	244
By Average Education Level of Parents (Figure 245).....	245
By Race/Ethnicity (Figure 246).....	246
Wine: Trends in 30-Day Prevalence	
By Gender (Figure 247)	247
By College Plans (Figure 248).....	248
By Region (Figure 249)	249
By Population Density (Figure 250).....	250
By Average Education Level of Parents (Figure 251).....	251
By Race/Ethnicity (Figure 252).....	252
Wine: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row	
By Gender (Figure 253)	253
By College Plans (Figure 254).....	254
By Region (Figure 255)	255
By Population Density (Figure 256).....	256
By Average Education Level of Parents (Figure 257).....	257
By Race/Ethnicity (Figure 258).....	258
Wine Coolers: Trends in 30-Day Prevalence	
By Gender (Figure 259)	259
By College Plans (Figure 260).....	260
By Region (Figure 261)	261
By Population Density (Figure 262).....	262
By Average Education Level of Parents (Figure 263).....	263
By Race/Ethnicity (Figure 264).....	264
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row	
By Gender (Figure 265)	265
By College Plans (Figure 266).....	266
By Region (Figure 267)	267
By Population Density (Figure 268).....	268
By Average Education Level of Parents (Figure 269).....	269
By Race/Ethnicity (Figure 270).....	270

LIST OF FIGURES (continued)

Flavored Alcoholic Beverages: Trends in 30-Day Prevalence	
By Gender (Figure 271)	271
By College Plans (Figure 272).....	272
By Region (Figure 273)	273
By Population Density (Figure 274).....	274
By Average Education Level of Parents (Figure 275).....	275
By Race/Ethnicity (Figure 276).....	276
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence	
By Gender (Figure 277)	277
By College Plans (Figure 278).....	278
By Region (Figure 279)	279
By Population Density (Figure 280).....	280
By Average Education Level of Parents (Figure 281).....	281
By Race/Ethnicity (Figure 282).....	282
Cigarettes: Trends in 30-Day Prevalence	
By Gender (Figure 283)	283
By College Plans (Figure 284).....	284
By Region (Figure 285)	285
By Population Density (Figure 286).....	286
By Average Education Level of Parents (Figure 287).....	287
By Race/Ethnicity (Figure 288).....	288
Cigarettes: Trends in 30-Day Prevalence of Daily Use	
By Gender (Figure 289)	289
By College Plans (Figure 290).....	290
By Region (Figure 291)	291
By Population Density (Figure 292).....	292
By Average Education Level of Parents (Figure 293).....	293
By Race/Ethnicity (Figure 294).....	294
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More	
By Gender (Figure 295)	295
By College Plans (Figure 296).....	296
By Region (Figure 297)	297
By Population Density (Figure 298).....	298
By Average Education Level of Parents (Figure 299).....	299
By Race/Ethnicity (Figure 300).....	300

LIST OF FIGURES (continued)

Tobacco Using a Hookah: Trends in Annual Prevalence	
By Gender (Figure 301)	301
By College Plans (Figure 302).....	302
By Region (Figure 303)	303
By Population Density (Figure 304).....	304
By Average Education Level of Parents (Figure 305).....	305
By Race/Ethnicity (Figure 306).....	306
Small Cigars: Trends in Annual Prevalence	
By Gender (Figure 307).....	307
By College Plans (Figure 308).....	308
By Region (Figure 309)	309
By Population Density (Figure 310).....	310
By Average Education Level of Parents (Figure 311).....	311
By Race/Ethnicity (Figure 312).....	312
Smokeless Tobacco: Trends in 30-Day Prevalence	
By Gender (Figure 313)	313
By College Plans (Figure 314).....	314
By Region (Figure 315)	315
By Population Density (Figure 316).....	316
By Average Education Level of Parents (Figure 317).....	317
By Race/Ethnicity (Figure 318).....	318
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use	
By Gender (Figure 319)	319
By College Plans (Figure 320).....	320
By Region (Figure 321)	321
By Population Density (Figure 322).....	322
By Average Education Level of Parents (Figure 323).....	323
By Race/Ethnicity (Figure 324).....	324
Dissolvable Tobacco Products: Trends in Annual Prevalence	
By Gender (Figure 325)	325
By College Plans (Figure 326).....	326
By Region (Figure 327)	327
By Population Density (Figure 328).....	328
By Average Education Level of Parents (Figure 329).....	329
By Race/Ethnicity (Figure 330).....	330

LIST OF FIGURES (continued)

Snus: Trends in Annual Prevalence	
By Gender (Figure 331)	331
By College Plans (Figure 332).....	332
By Region (Figure 333)	333
By Population Density (Figure 334).....	334
By Average Education Level of Parents (Figure 335).....	335
By Race/Ethnicity (Figure 336).....	336
E-cigarettes: Trends in 30-Day Prevalence	
By Gender (Figure 337).....	337
By College Plans (Figure 338).....	338
By Region (Figure 339)	339
By Population Density (Figure 340).....	340
By Average Education Level of Parents (Figure 341).....	341
By Race/Ethnicity (Figure 342).....	342
Steroids: Trends in Annual Prevalence	
By Gender (Figure 343)	343
By College Plans (Figure 344).....	344
By Region (Figure 345)	345
By Population Density (Figure 346).....	346
By Average Education Level of Parents (Figure 347).....	347
By Race/Ethnicity (Figure 348).....	348

LIST OF SUPPLEMENTAL TABLES
DEMOGRAPHIC SUBGROUPS TRENDS

Tables are listed by drug and prevalence period. For each drug and prevalence period, trend data are displayed separately for grades 8, 10, and 12 unless otherwise noted.

Drug	Prevalence Period	
Any Illicit Drug	Annual	357
Any Illicit Drug other than Marijuana	Annual	361
Marijuana	Lifetime	365
Marijuana	Annual	369
Marijuana	30-Day	373
Marijuana	Daily	377
Synthetic Marijuana	Annual	381
Inhalants	Annual	382
Hallucinogens	Annual	386
LSD	Annual	390
Hallucinogens other than LSD	Annual	394
Ecstasy (MDMA)	Annual	398
Salvia	Annual, Grades 8, 10, 12 combined	401
Cocaine	Annual	402
Crack	Annual	406
Other Cocaine	Annual	410
Heroin	Annual	414
Heroin with a Needle	Annual	418
Heroin without a Needle	Annual	421
Narcotics other than Heroin	Annual, Grade 12 Only	424
OxyContin	Annual	426
Vicodin	Annual	429
Amphetamines	Annual	432
Ritalin	Annual	436
Adderall	Annual, Grades 8, 10, 12 Combined	439
Provigil	Annual, Grade 12 Only	440
Methamphetamine	Annual	441
Crystal Methamphetamine (Ice)	Annual, Grade 12 Only	444
Bath Salts (Synthetic Stimulants)	Annual	445
Sedatives (Barbiturates)	Annual, Grade 12 Only	446

LIST OF SUPPLEMENTAL TABLES (continued)

Drug	Prevalence Period	
Tranquilizers	Annual	448
Over-the-counter Cough/Cold Medicines	Annual	452
Rohypnol	Annual	455
Alcohol	30-Day	458
	Daily	462
Been Drunk	30-Day	466
Alcohol	2-Week Binge Drinking	469
Beer	30-Day	473
Beer	2-Week Binge Drinking	477
Liquor	30-Day, Grade 12 Only	481
Liquor	2-Week Binge Drinking, Grade 12 Only	483
Wine	30-Day, Grade 12 Only	485
Wine	2-Week Binge Drinking, Grade 12 Only	487
Wine Coolers	30-Day	489
Wine Coolers	2-Week Binge Drinking, Grade 12 Only	493
Flavored Alcoholic Beverages	30-Day	495
Alcoholic Beverages containing Caffeine	Annual	498
Tobacco		
Cigarettes	30-Day	499
Cigarettes	30-Day Prevalence of Daily Use	503
Cigarettes	30-Day Prevalence of Half Pack a Day or More	507
Tobacco Using a Hookah	Annual, Grade 12 Only	511
Small Cigars	Annual, Grade 12 Only	512
E-Cigarettes	30-Day	513
Smokeless Tobacco	30-Day	514
Smokeless Tobacco	30-Day Prevalence of Daily Use	518
Dissolvable Tobacco Products	Annual	522
Snus	Annual	523
Steroids	Annual	524
Approximate Weighted <i>Ns</i> by Subgroups in Grade 8		527
Approximate Weighted <i>Ns</i> by Subgroups in Grade 10		528
Approximate Weighted <i>Ns</i> by Subgroups in Grade 12		529

INTRODUCTION

This occasional paper presents national demographic subgroup data for the 1975-2014 Monitoring the Future (MTF) national survey results on 8th, 10th, and 12th graders' use of drugs, alcohol, and tobacco. MTF is funded by the National Institute on Drug Abuse at the National Institutes of Health under a series of investigator-initiated, competitive research grants. The study covers all major classes of illicit and licit drugs for an array of population subgroups. The 2014 subgroup data presented here accompany the [*Monitoring the Future National Survey Results on Drug Use: 1975-2014: Overview, Key Findings on Adolescent Drug Use*](#)¹ and the [*Monitoring the Future National Survey Results on Drug Use, 1975-2014: Volume I, Secondary School Students \(Volume I\)*](#).² Subgroup data for years prior to 2013 are available entirely in Appendices B and D of the relevant year's *Volume I*. Since 2013, the MTF subgroup definitions and data have been presented in a series of occasional paper, such as this, as tables and figures to facilitate the examination and interpretation of trend data.

Volume I contains a description of MTF's design and purposes, as well as extended reporting on substance use of all kinds—licit and illicit—and a number of related factors, such as attitudes and beliefs about drugs, age of initiation, noncontinuation³ of drug use, perceived availability, relevant conditions in the social environment, history of daily marijuana use, use of drugs for the treatment of ADHD, and sources of prescription drugs used outside of medical supervision.

The trends offered here in tabular and graphic forms cover demographic subgroups based on:

- Gender
- College plans
- Region of the country
- Population density
- Education level of the parents (a proxy for socioeconomic level)
- Racial/ethnic identification

Detailed descriptions of the demographic categories are provided in the section below.

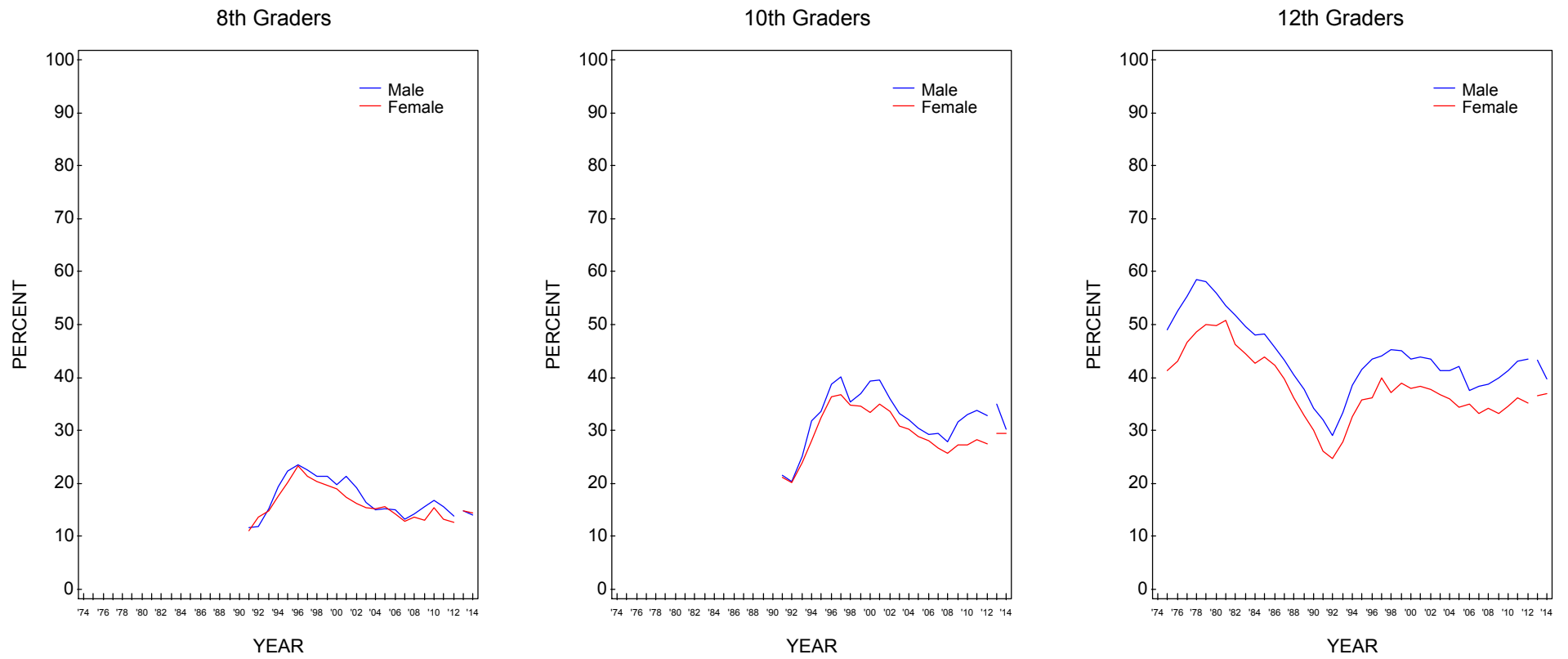
The graphs and tables in this occasional paper present trend data for 8th-, 10th-, and 12th-grade respondents. Data for 12th grade begins with 1975, the first year in which a nationally representative sample of high school seniors was surveyed. Data for 8th and 10th grades begin with 1991, when the study's nationally representative annual surveys were expanded to include those grade levels.

¹ Johnston, L. D., O'Malley, P. M., Miech, R. A., Bachman, J. G., & Schulenberg, J. E. (2015). [*Monitoring the Future national survey results on drug use: 1975-2014: Overview, key findings on adolescent drug use*](#). Ann Arbor: Institute for Social Research, The University of Michigan, 90pp.

² Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2015, forthcoming). [*Monitoring the Future national survey results on drug use, 1975-2014: Volume I, Secondary school students*](#). Ann Arbor: Institute for Social Research, The University of Michigan.

³ Johnston, L. D., O'Malley, P. M., Bachman, J. G., Schulenberg, J. E., & Miech, R. A. (2014). [*Monitoring the Future national survey results on drug use, 1975-2013: Volume I, Secondary school students*](#) (p. 96). Ann Arbor: Institute for Social Research, The University of Michigan.

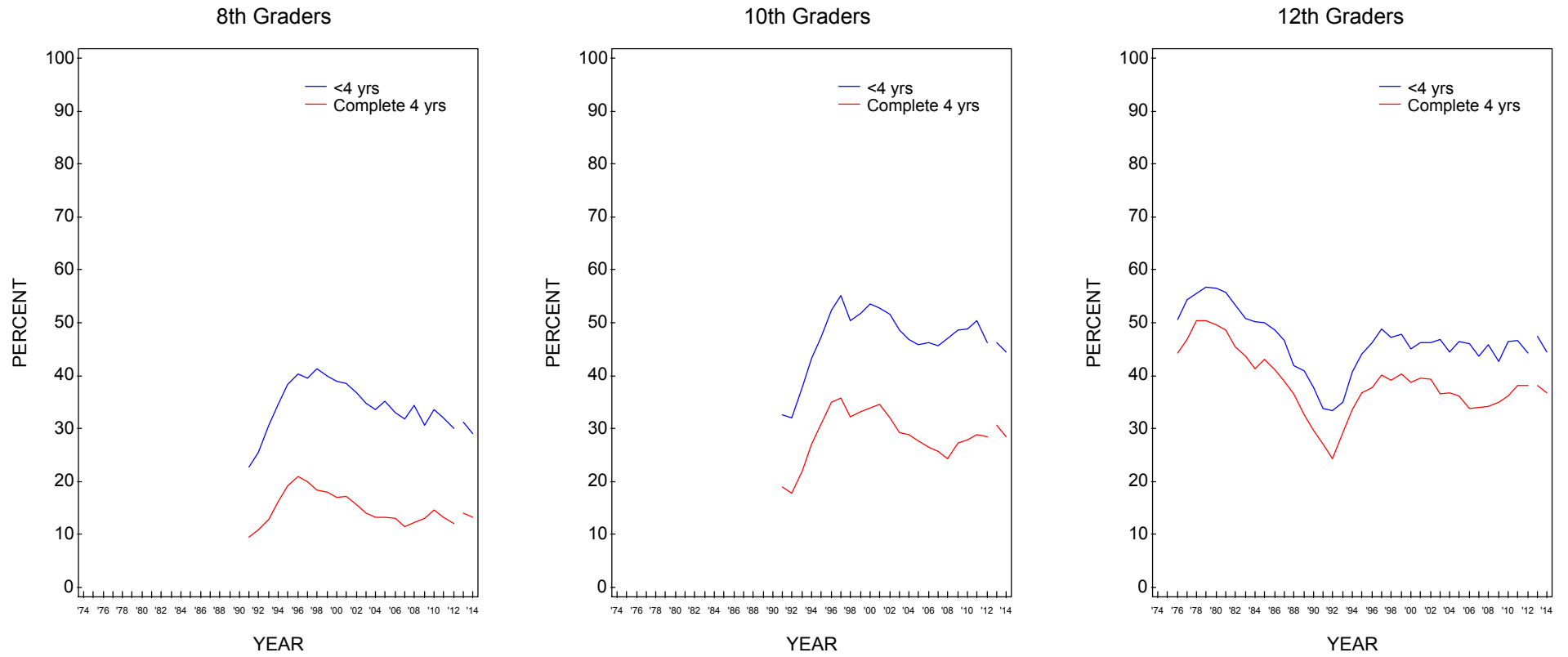
FIGURE 1
Any Illicit Drug:* Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

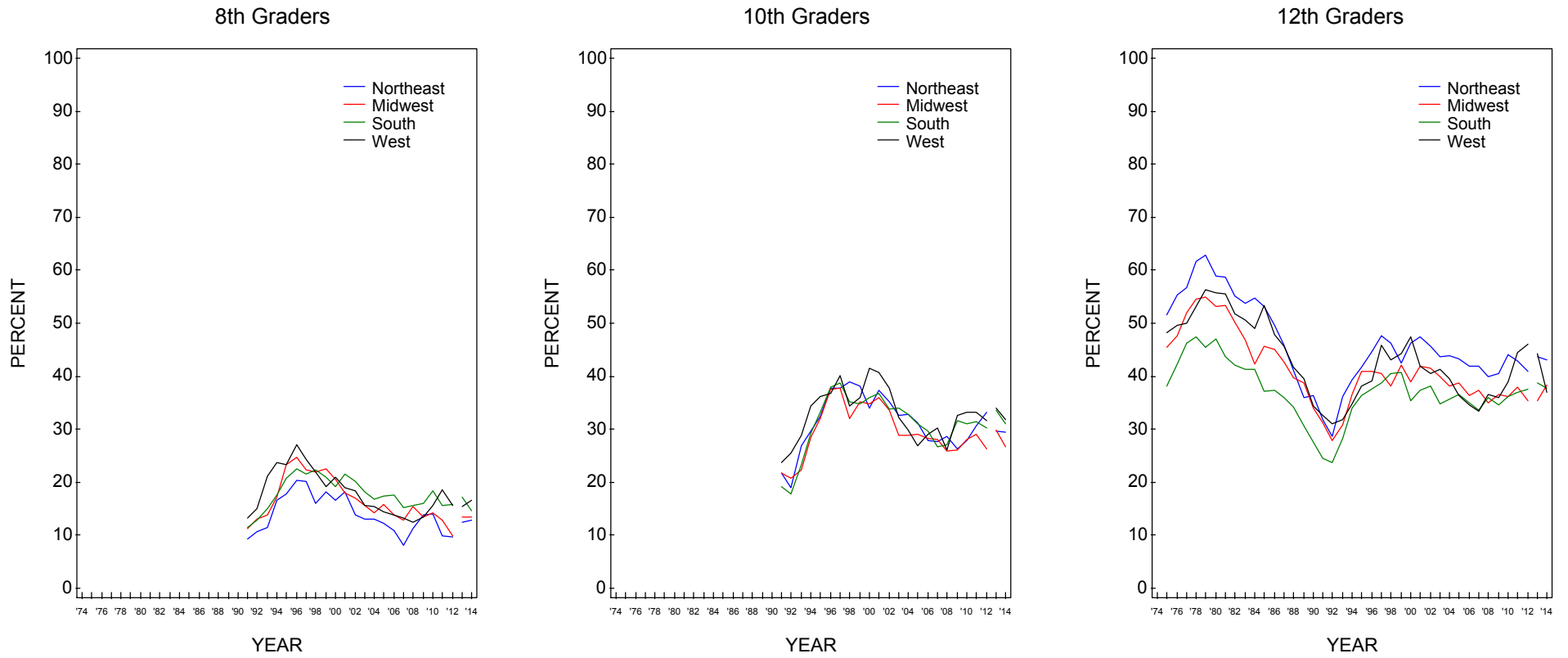
FIGURE 2
Any Illicit Drug:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

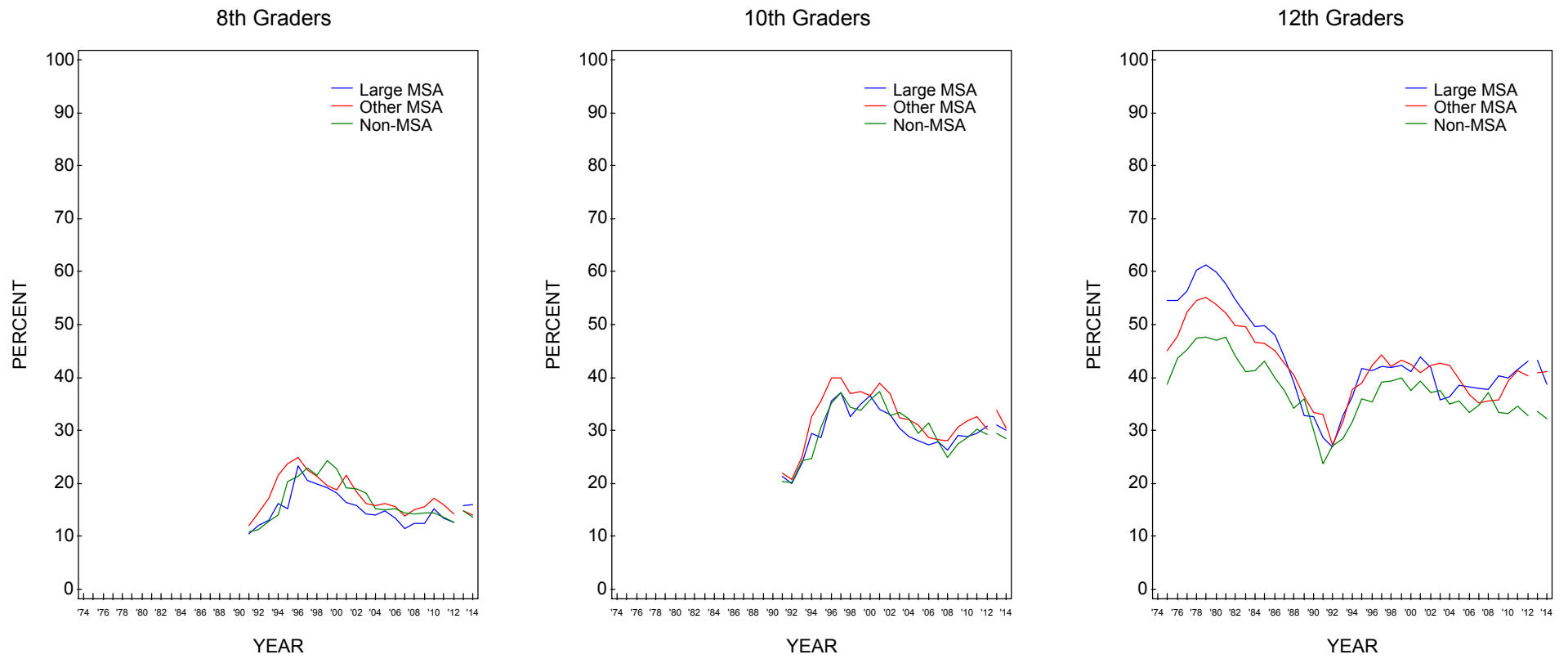
FIGURE 3
Any Illicit Drug:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

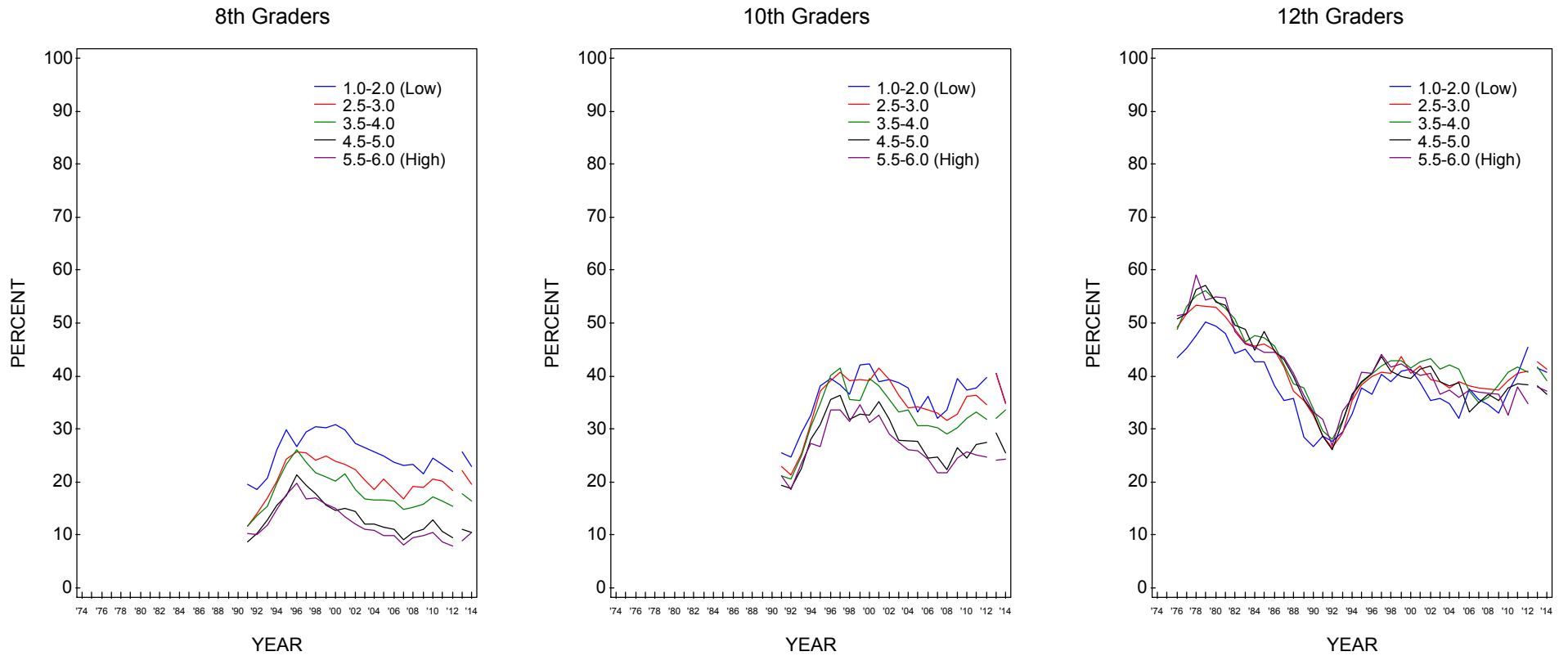
FIGURE 4
Any Illicit Drug:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

FIGURE 5
Any Illicit Drug:* Trends in Annual Prevalence by Average Education Level of Parents**

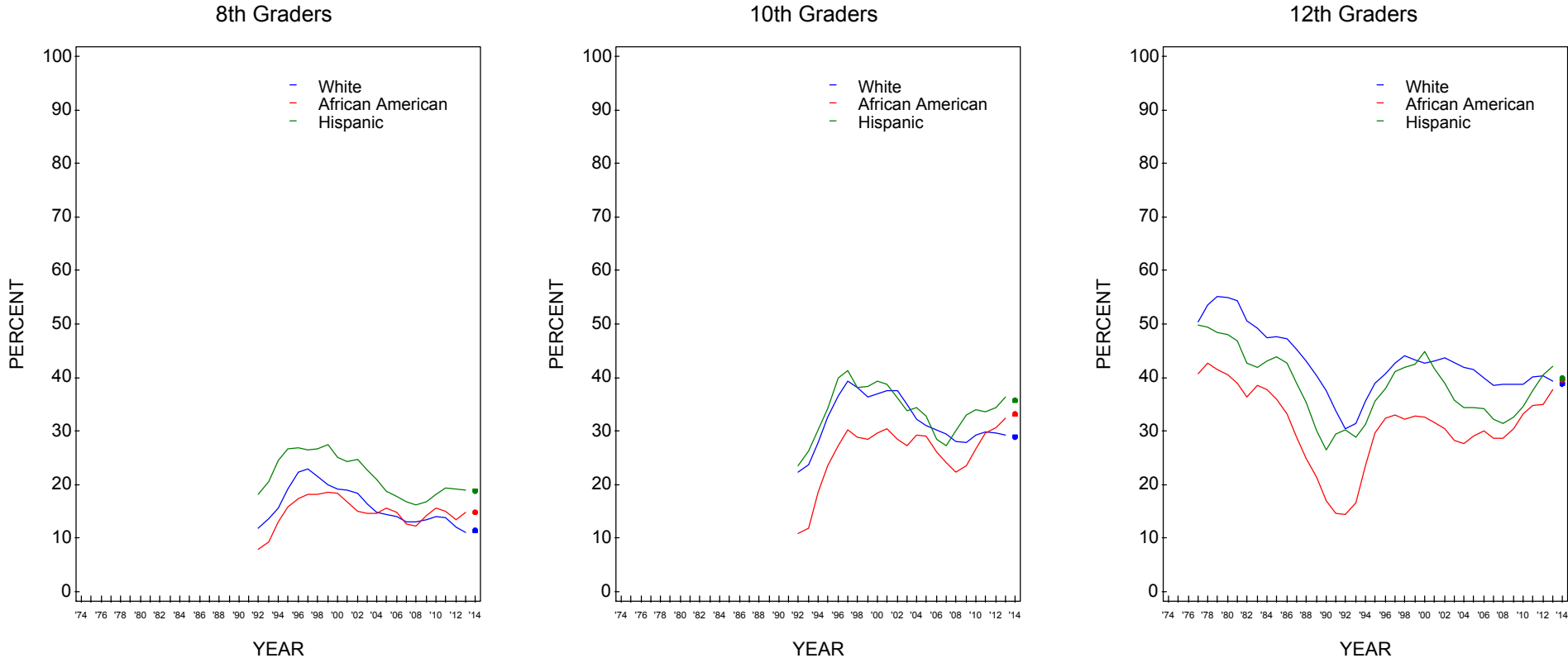


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2013, a revised set of questions on amphetamine use were introduced. Data for any illicit drug are affected by these changes.

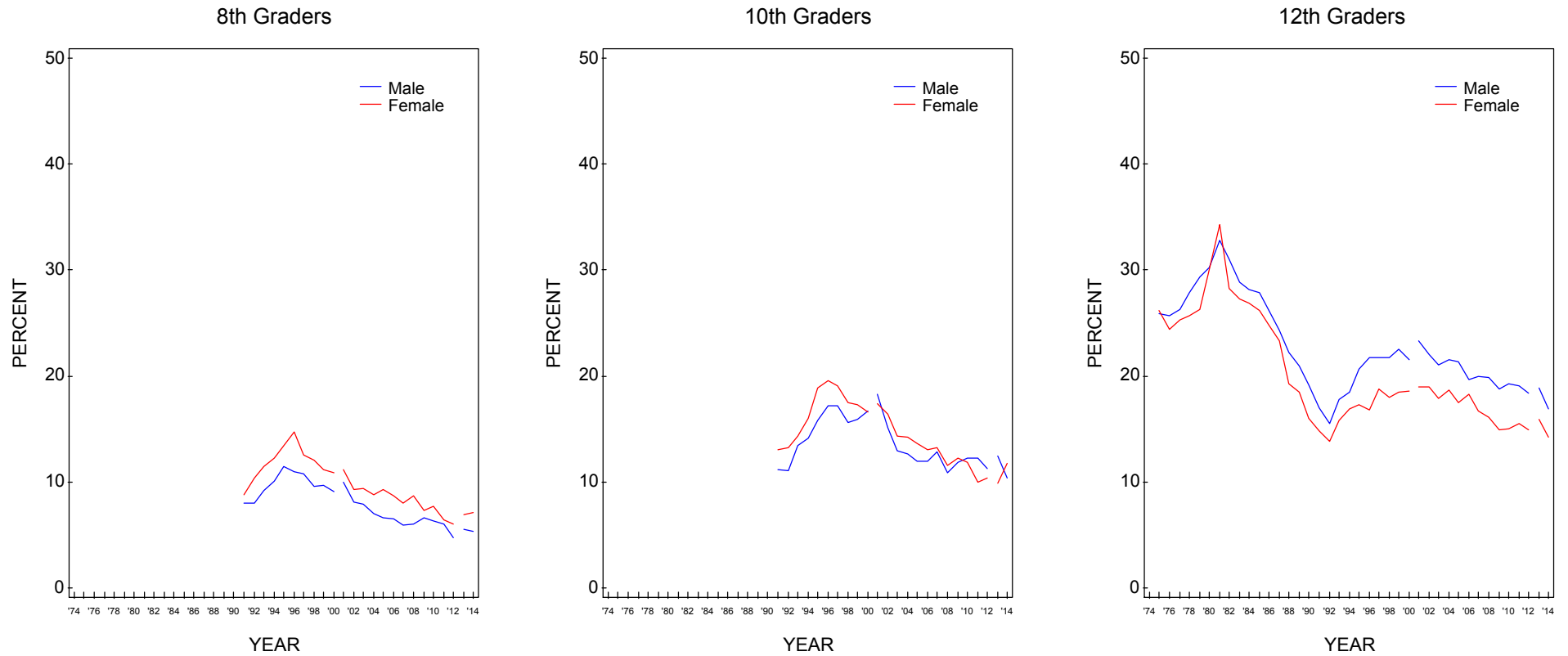
**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 6
Any Illicit Drug: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.
 *To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

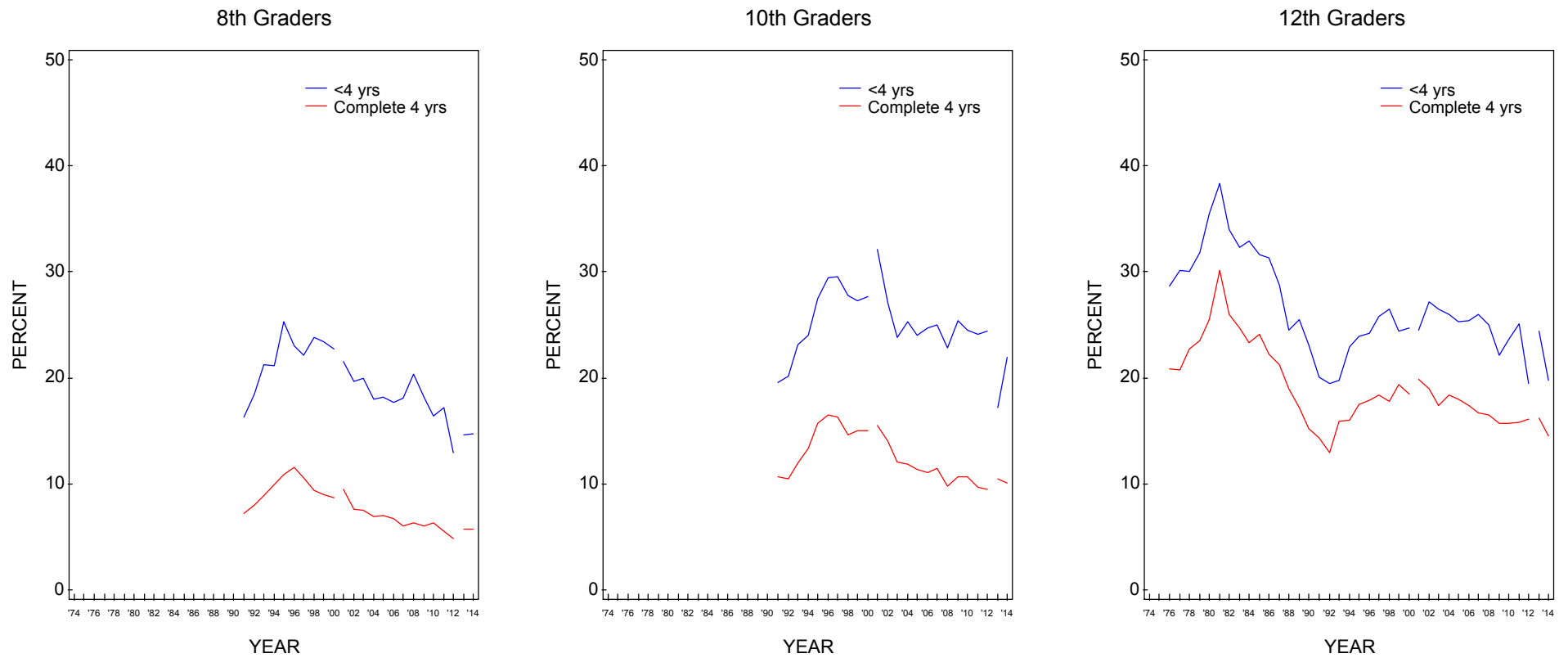
FIGURE 7
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

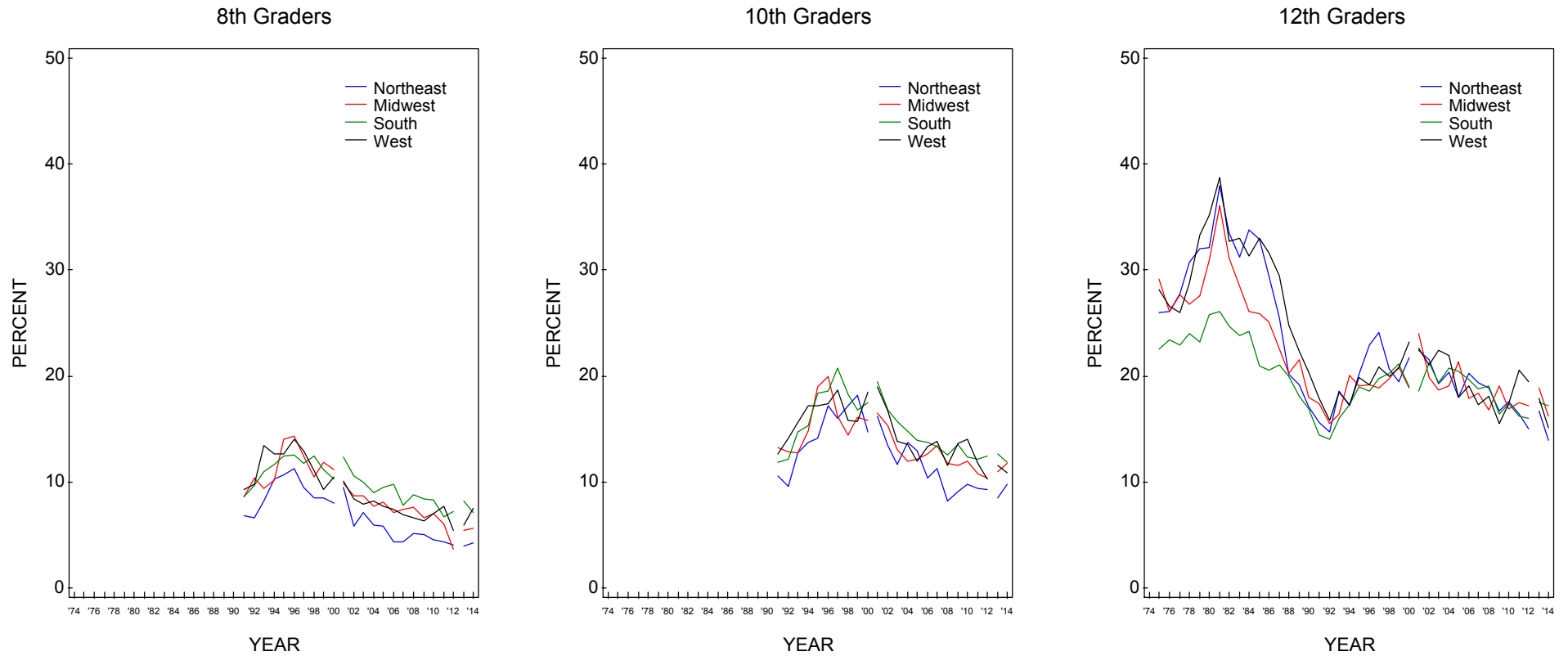
FIGURE 8
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

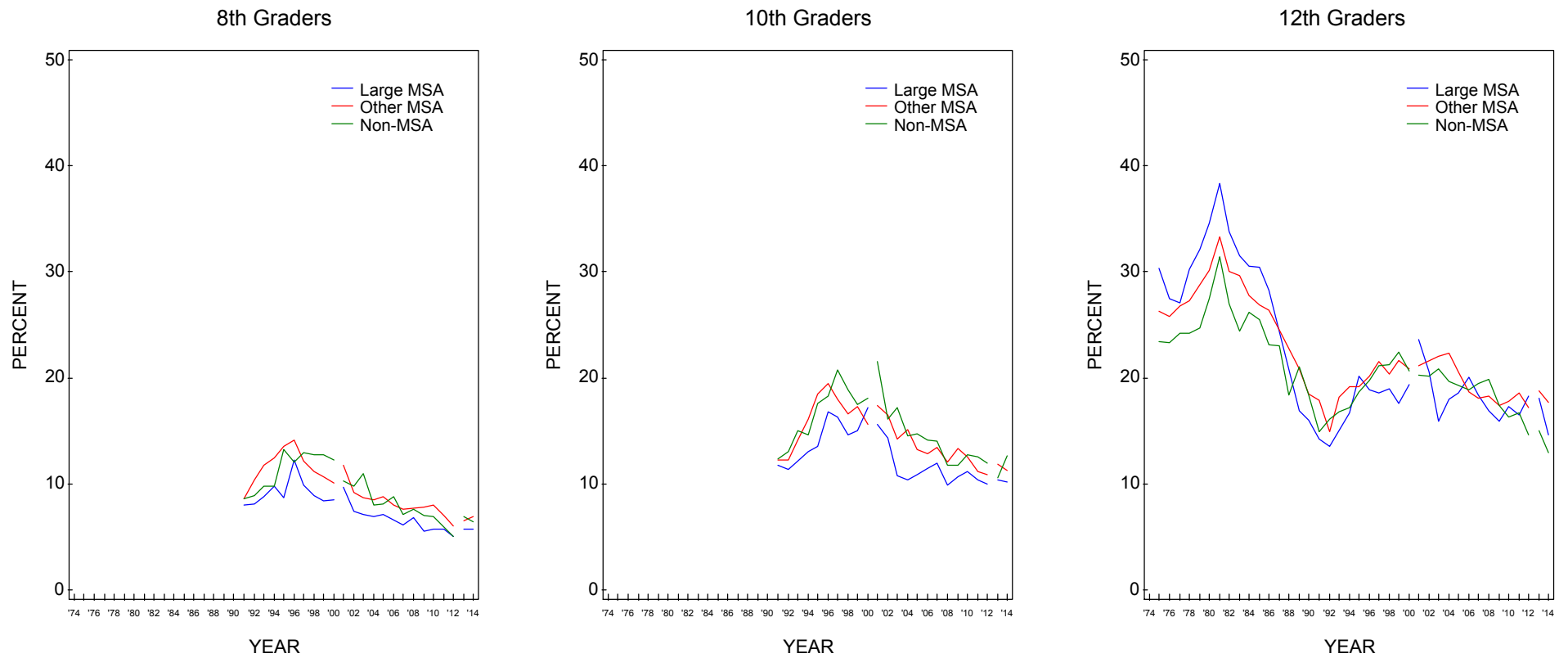
FIGURE 9
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

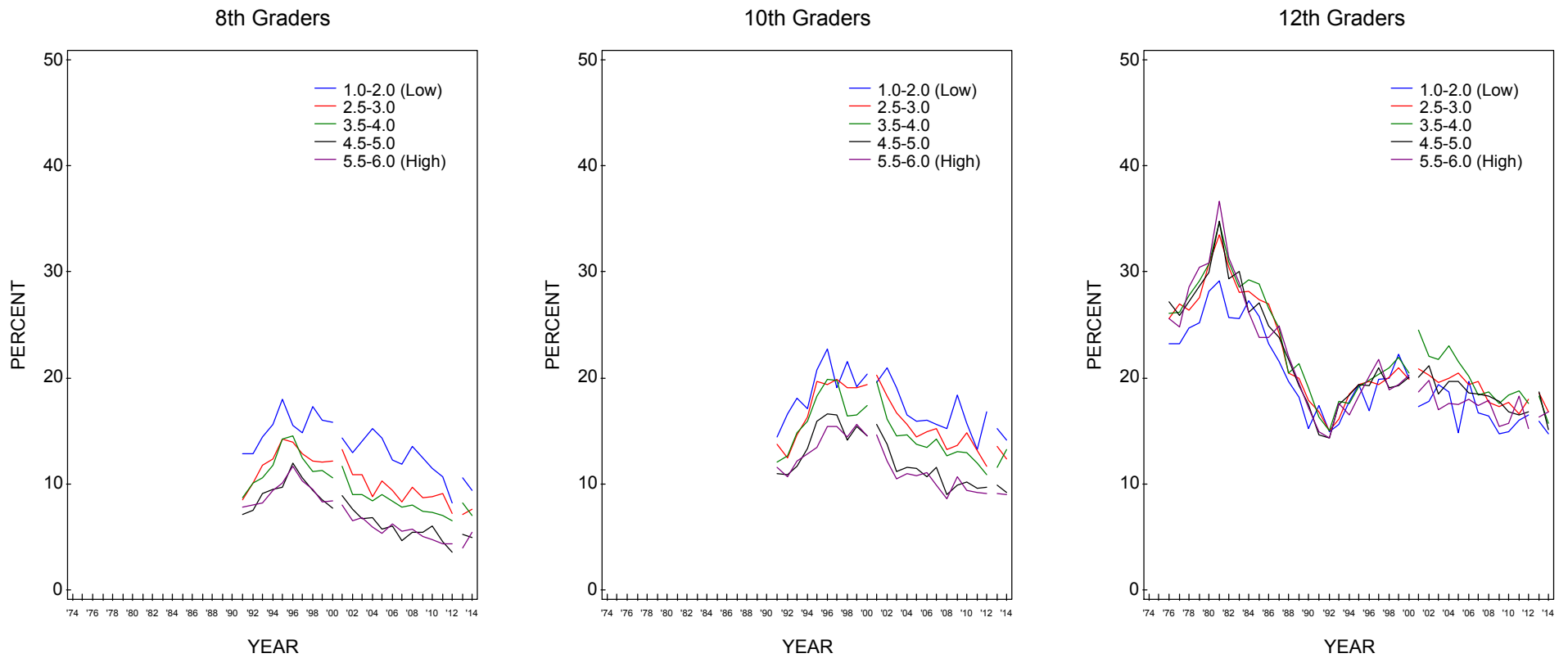
FIGURE 10
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

FIGURE 11
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Average Education Level of Parents**

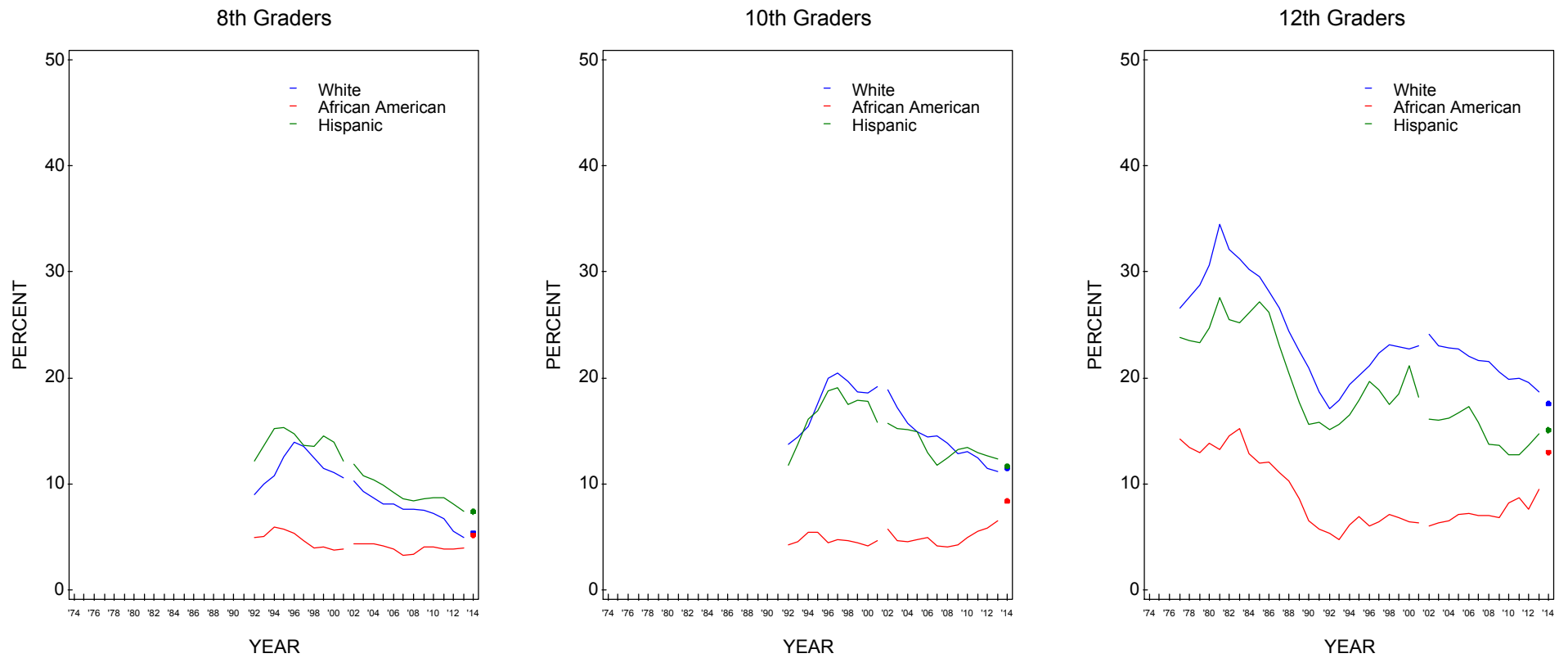


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Beginning in 2013, a revised set of questions on amphetamines were introduced. Data for any illicit drug other than marijuana are affected by these changes.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 12
Any Illicit Drug other than Marijuana:* Trends in Annual Prevalence by Race/Ethnicity**

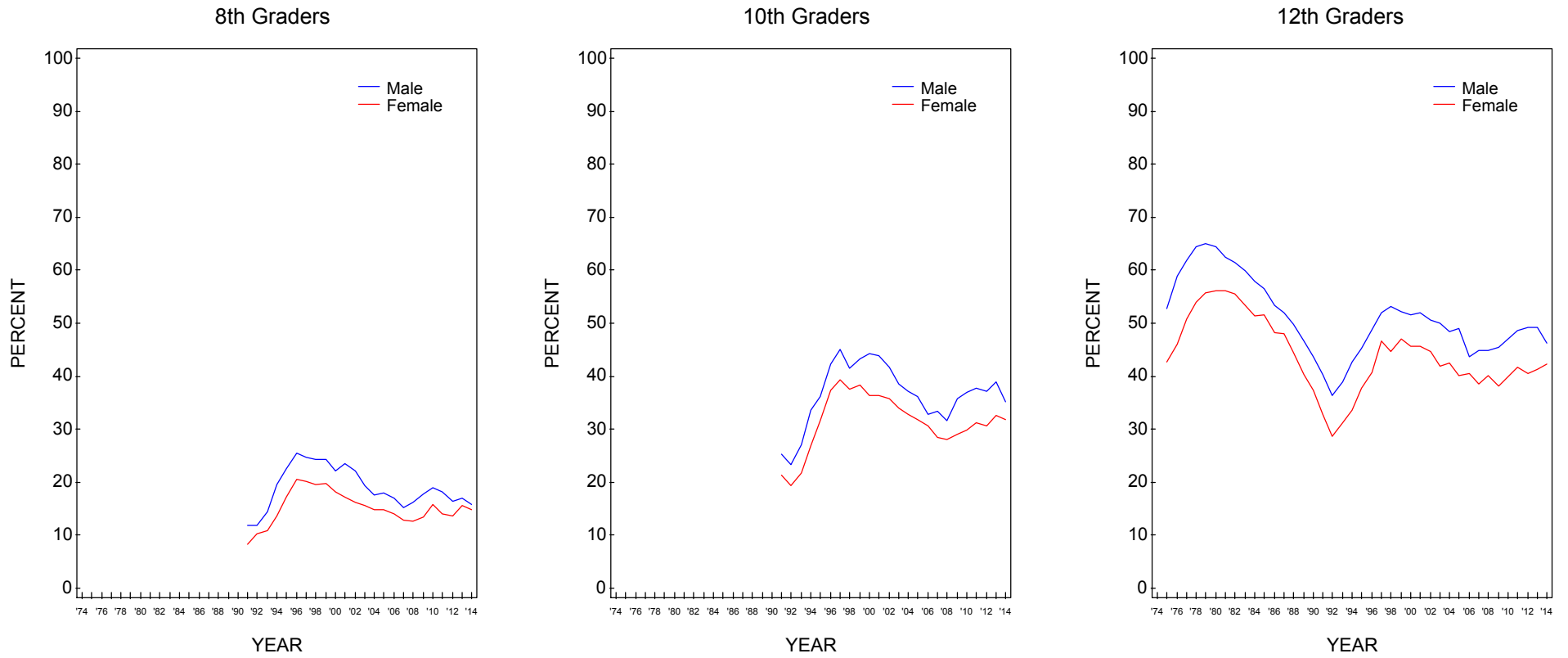


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, revised sets of questions on other hallucinogen and tranquilizer use were introduced. Data for any illicit drug other than marijuana are affected by these changes. Refer to corresponding tables for further details.

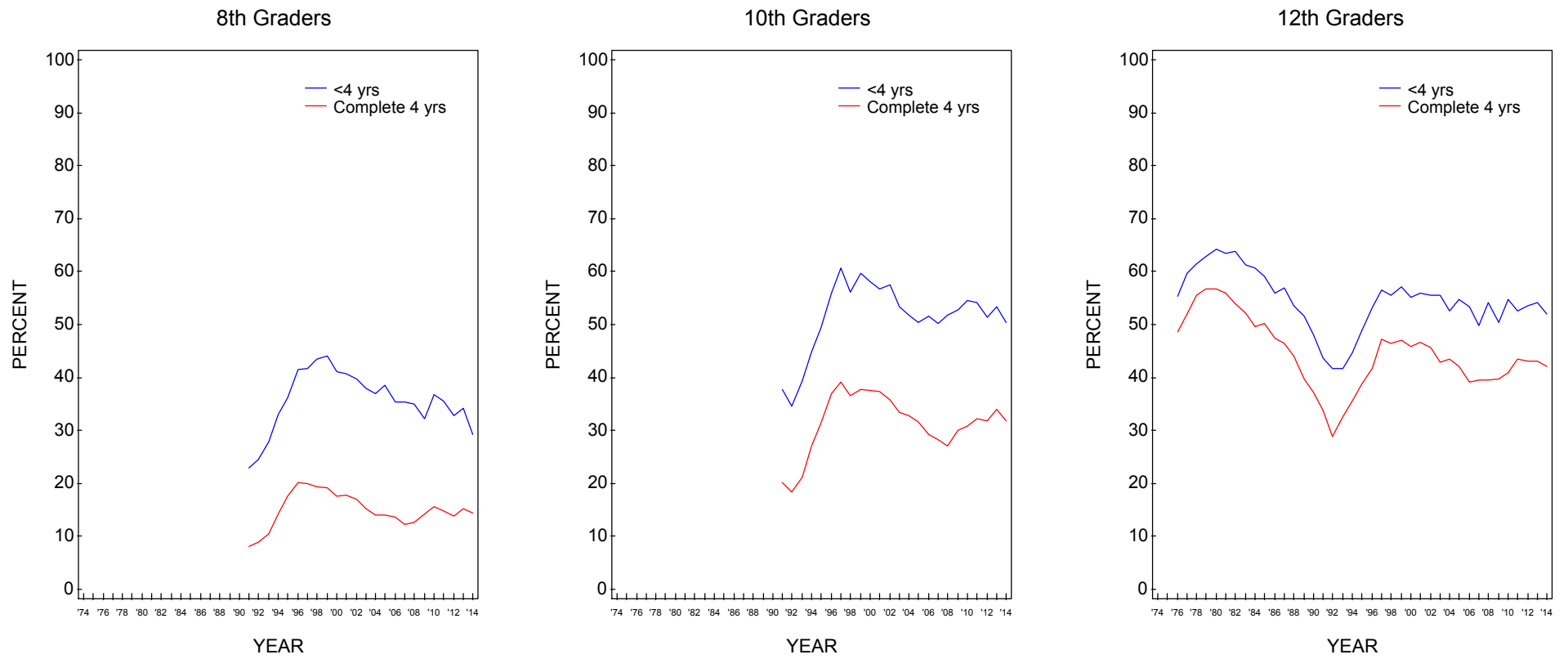
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 13
Marijuana: Trends in Lifetime Prevalence by Gender



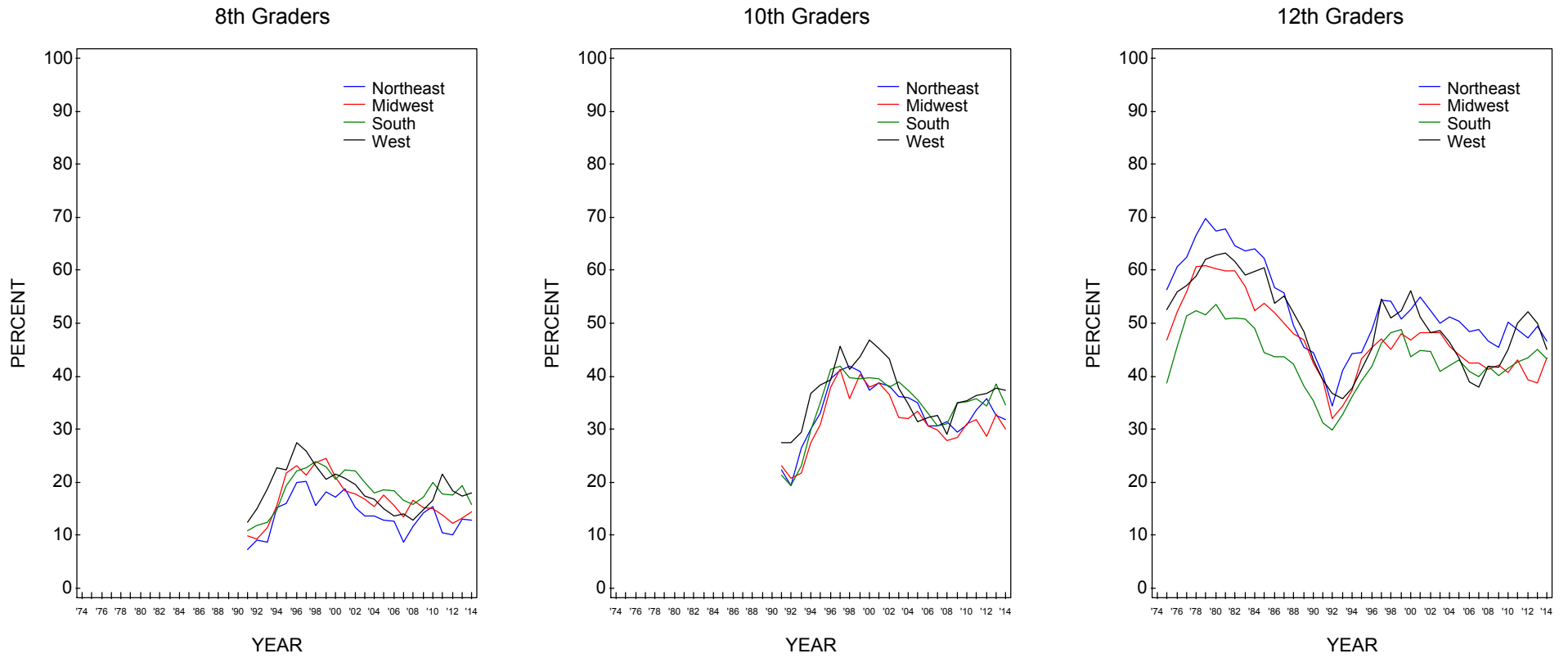
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 14
Marijuana: Trends in Lifetime Prevalence by College Plans



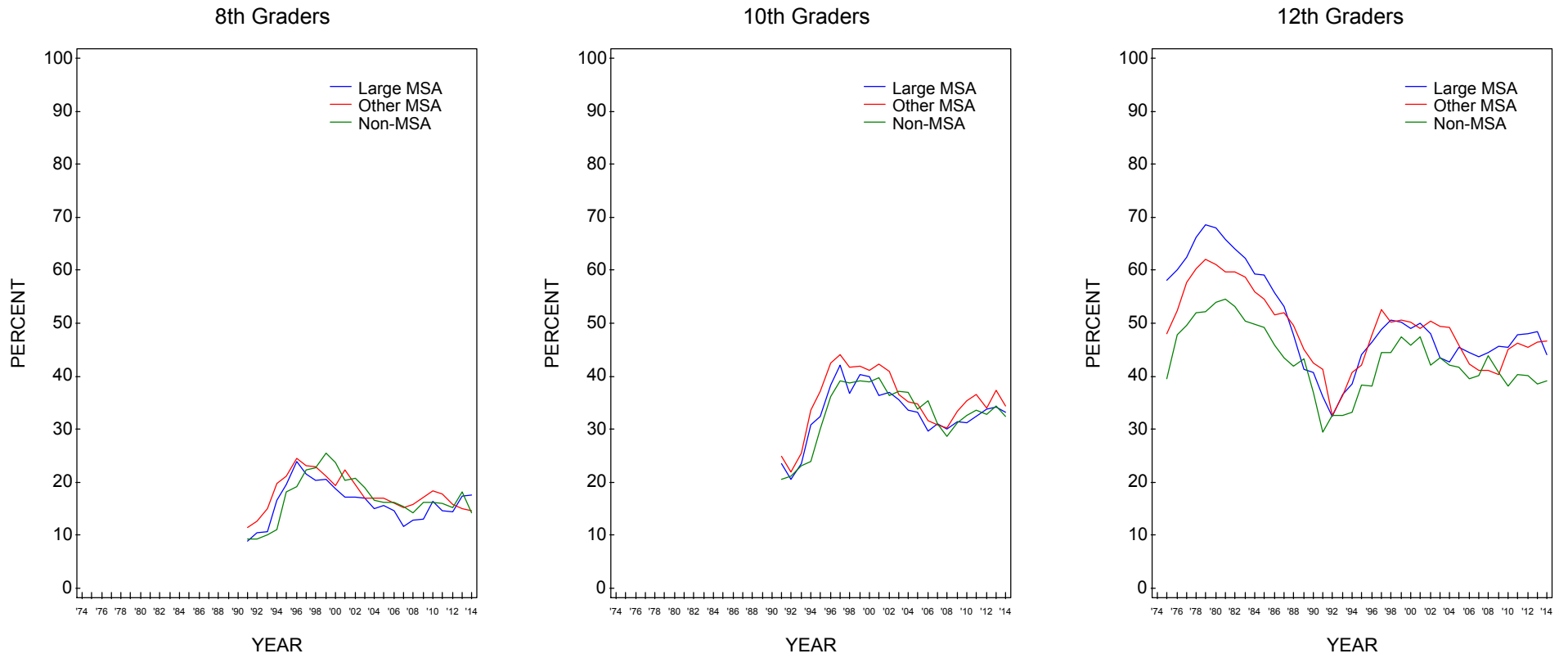
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 15
Marijuana: Trends in Lifetime Prevalence by Region



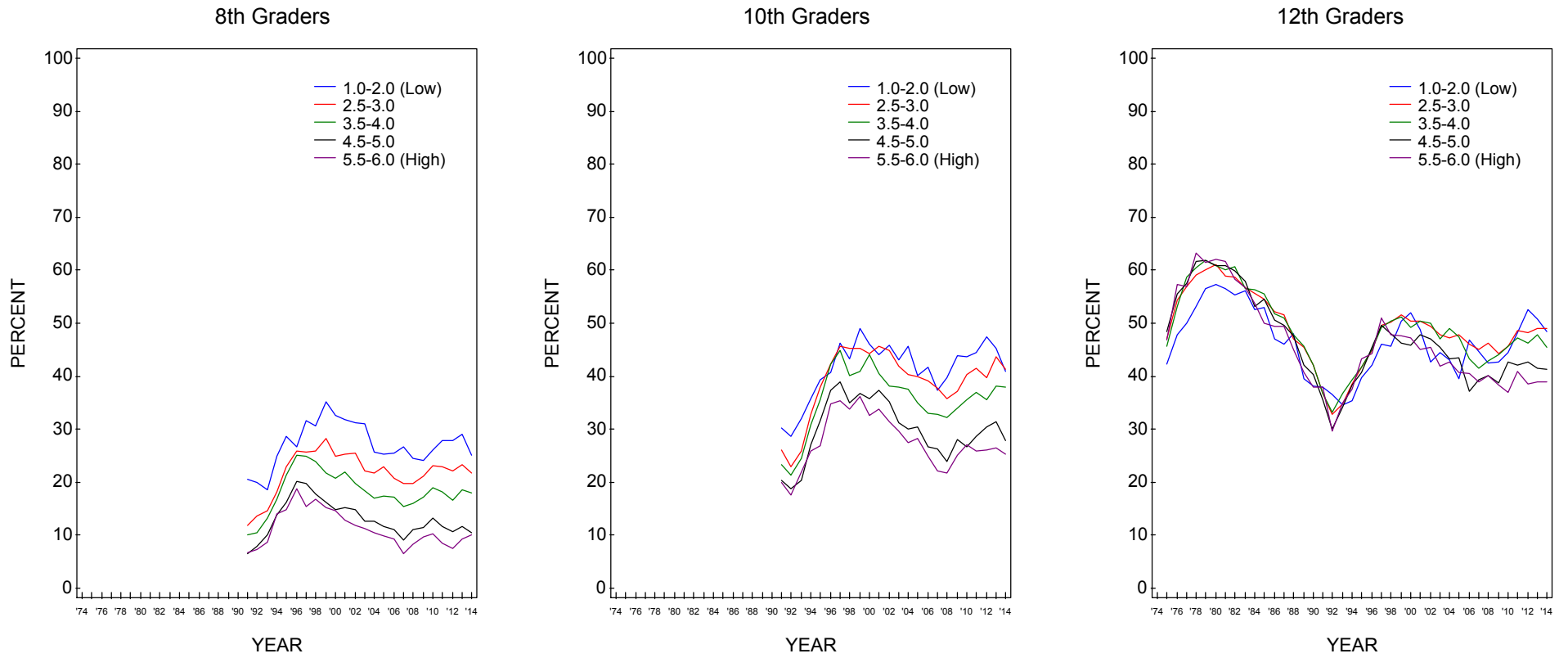
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 16
Marijuana: Trends in Lifetime Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

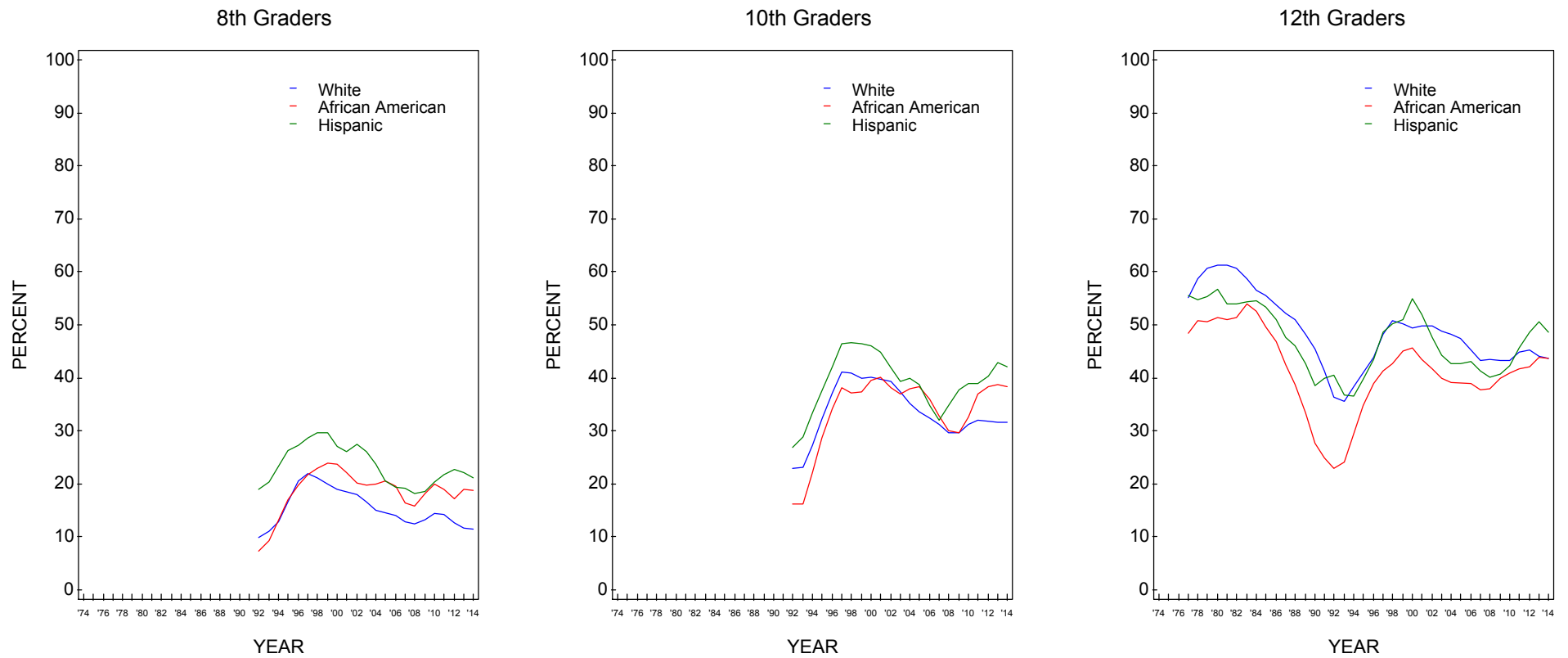
FIGURE 17
Marijuana: Trends in Lifetime Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

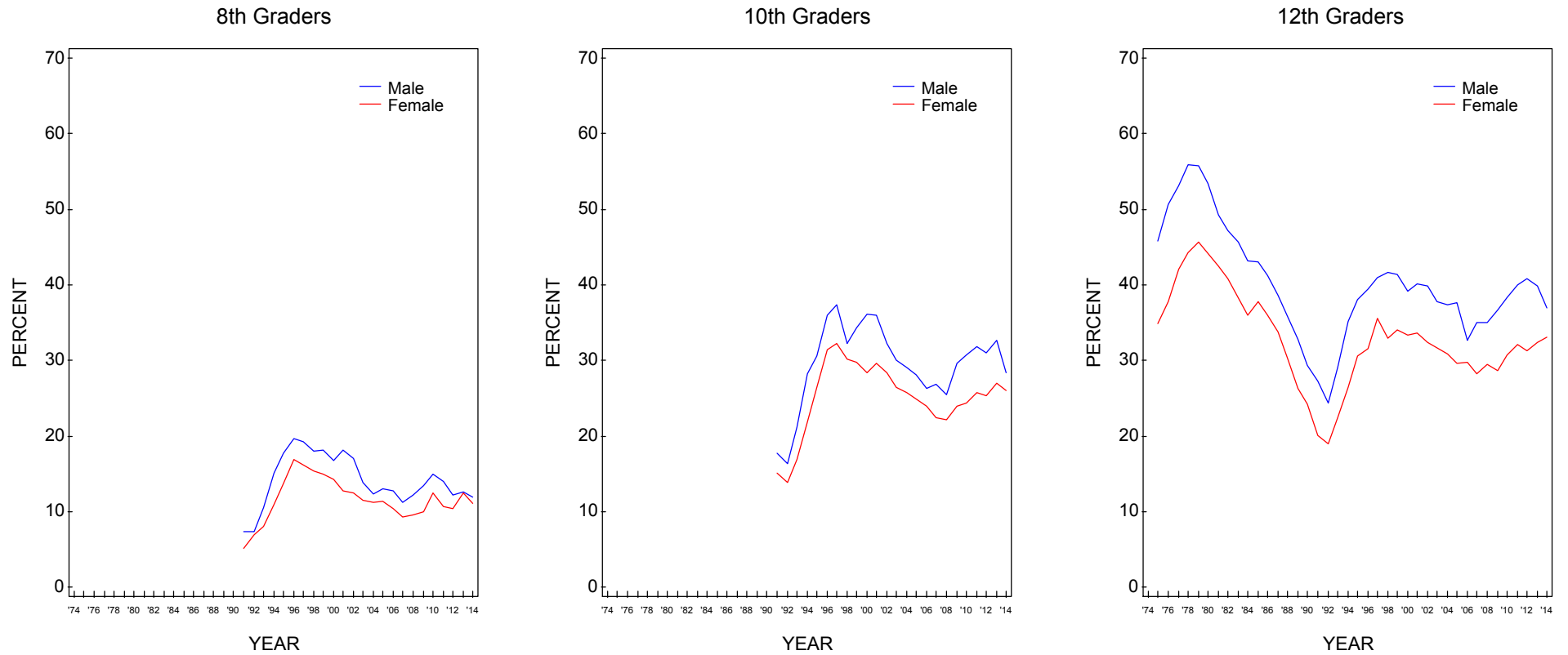
FIGURE 18
Marijuana: Trends in Lifetime Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

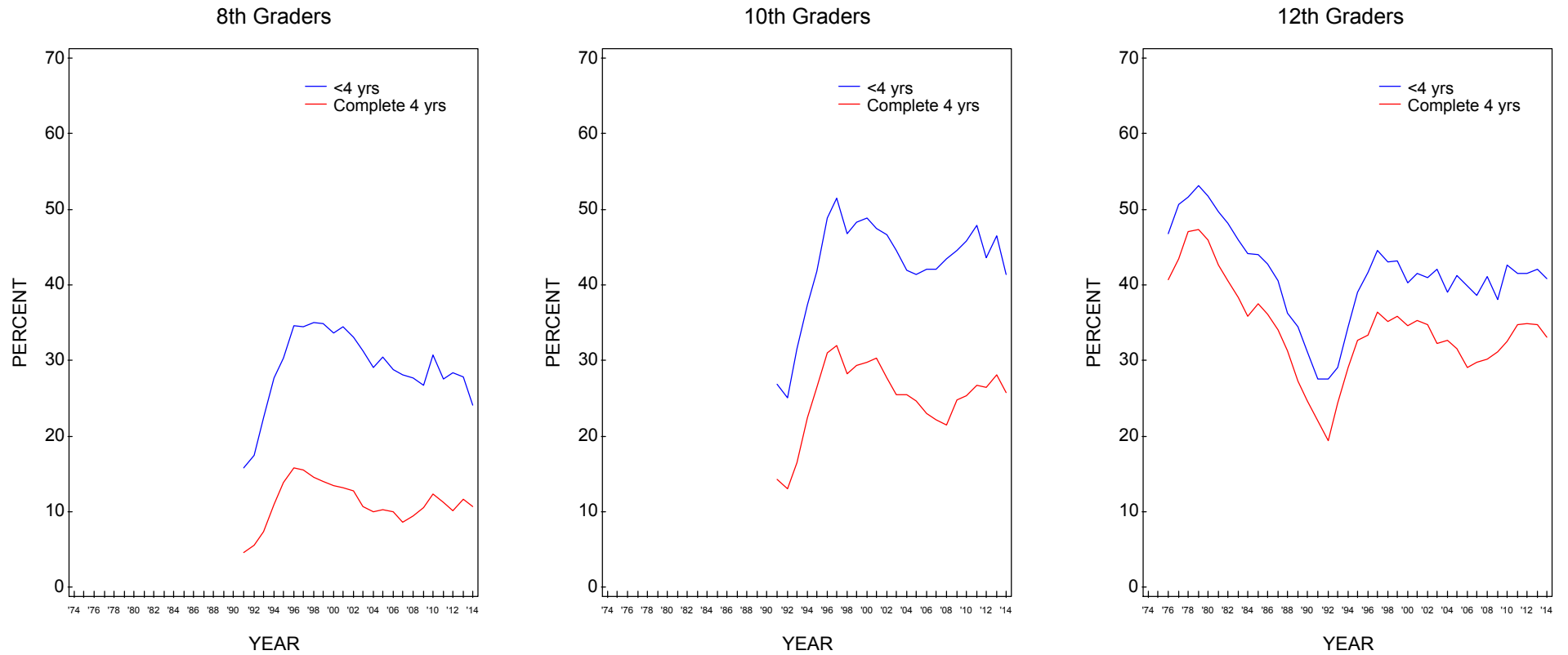
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 19
Marijuana: Trends in Annual Prevalence by Gender



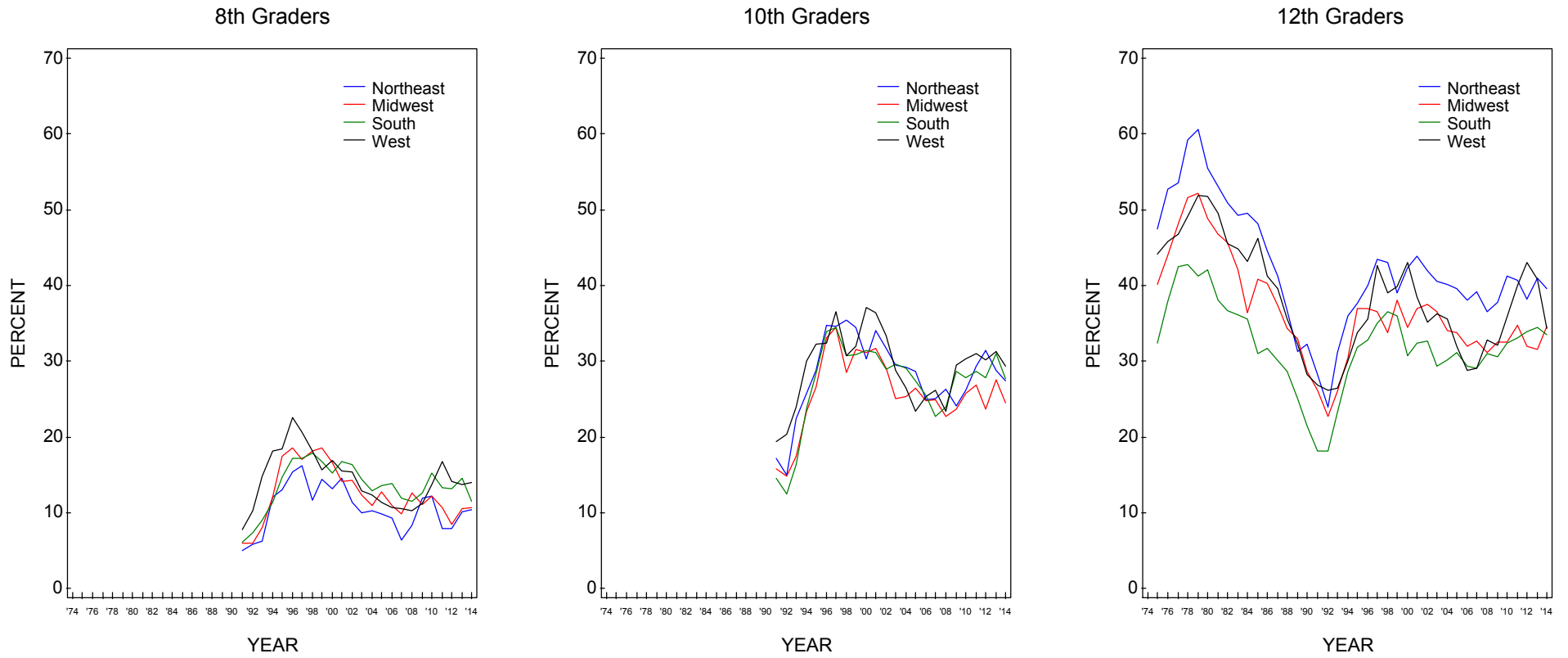
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 20
Marijuana: Trends in Annual Prevalence by College Plans



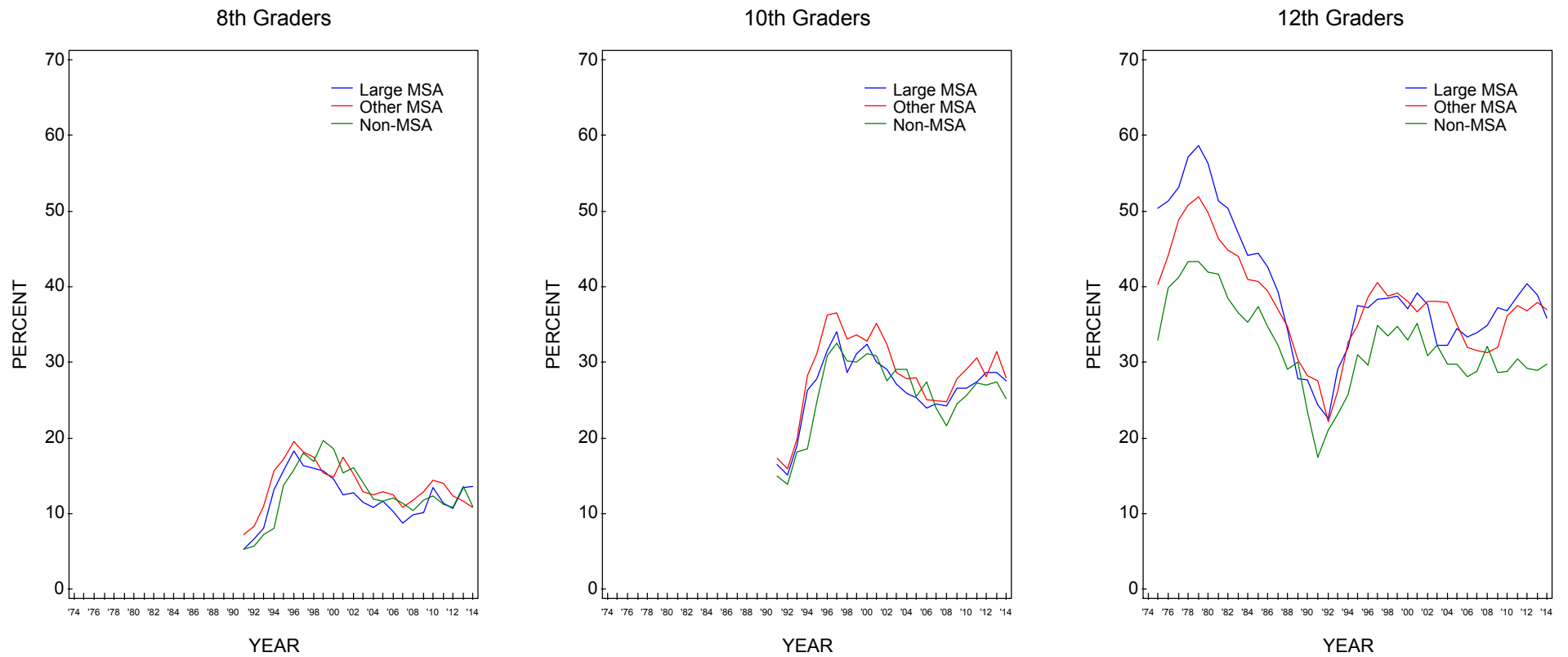
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 21
Marijuana: Trends in Annual Prevalence by Region



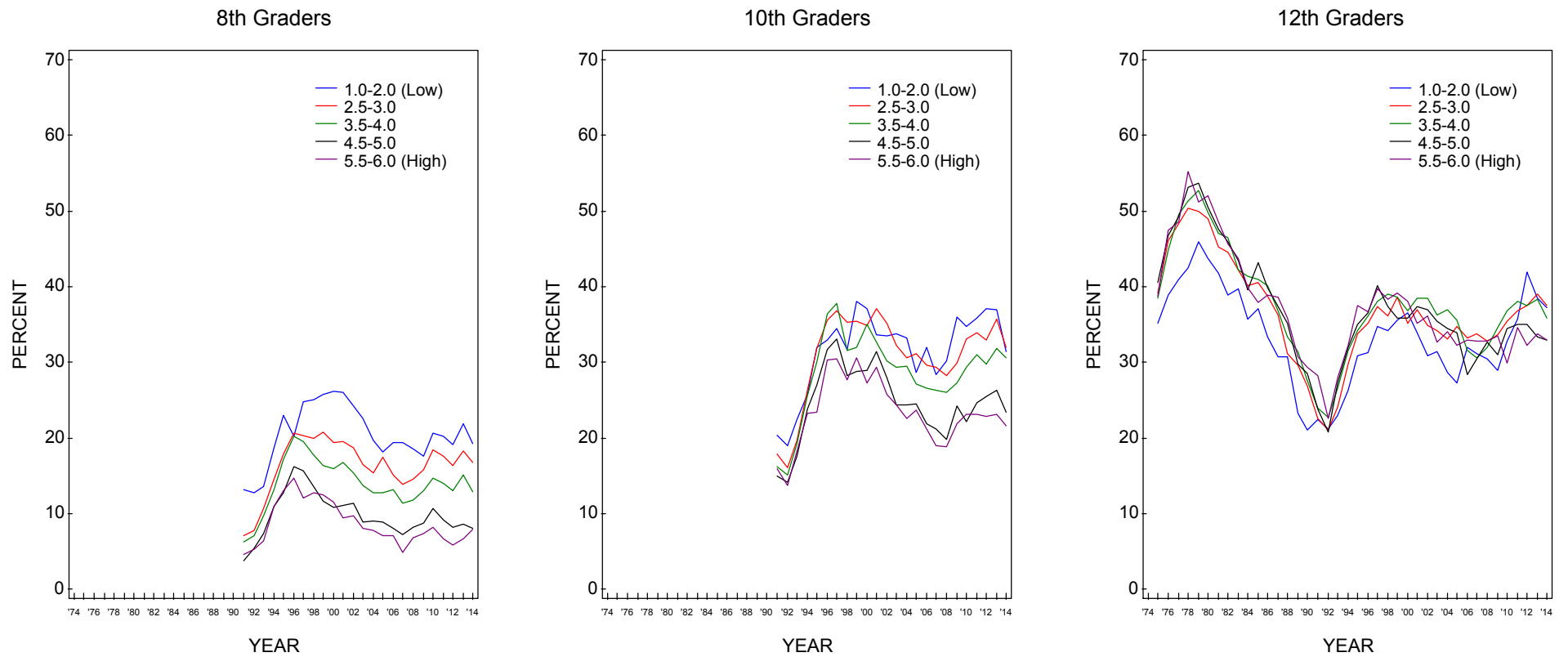
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 22
Marijuana: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

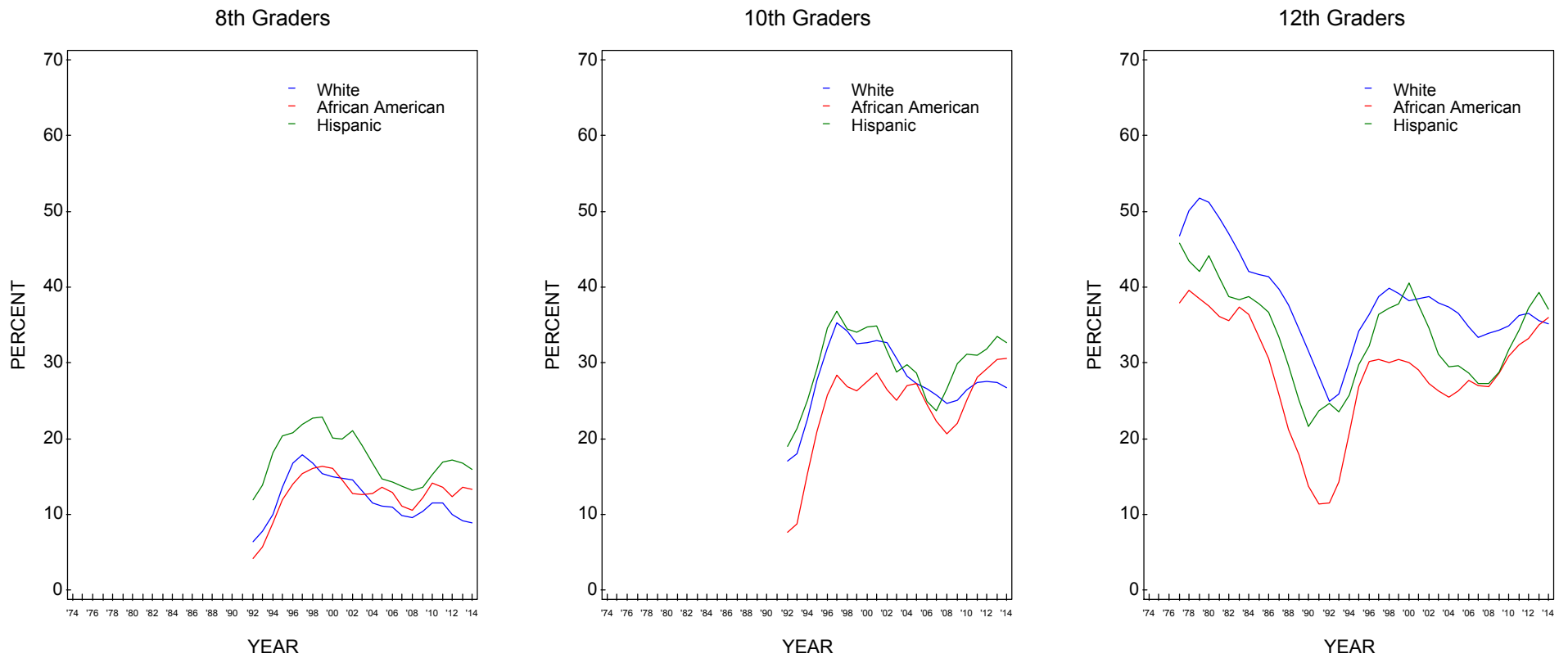
FIGURE 23
Marijuana: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

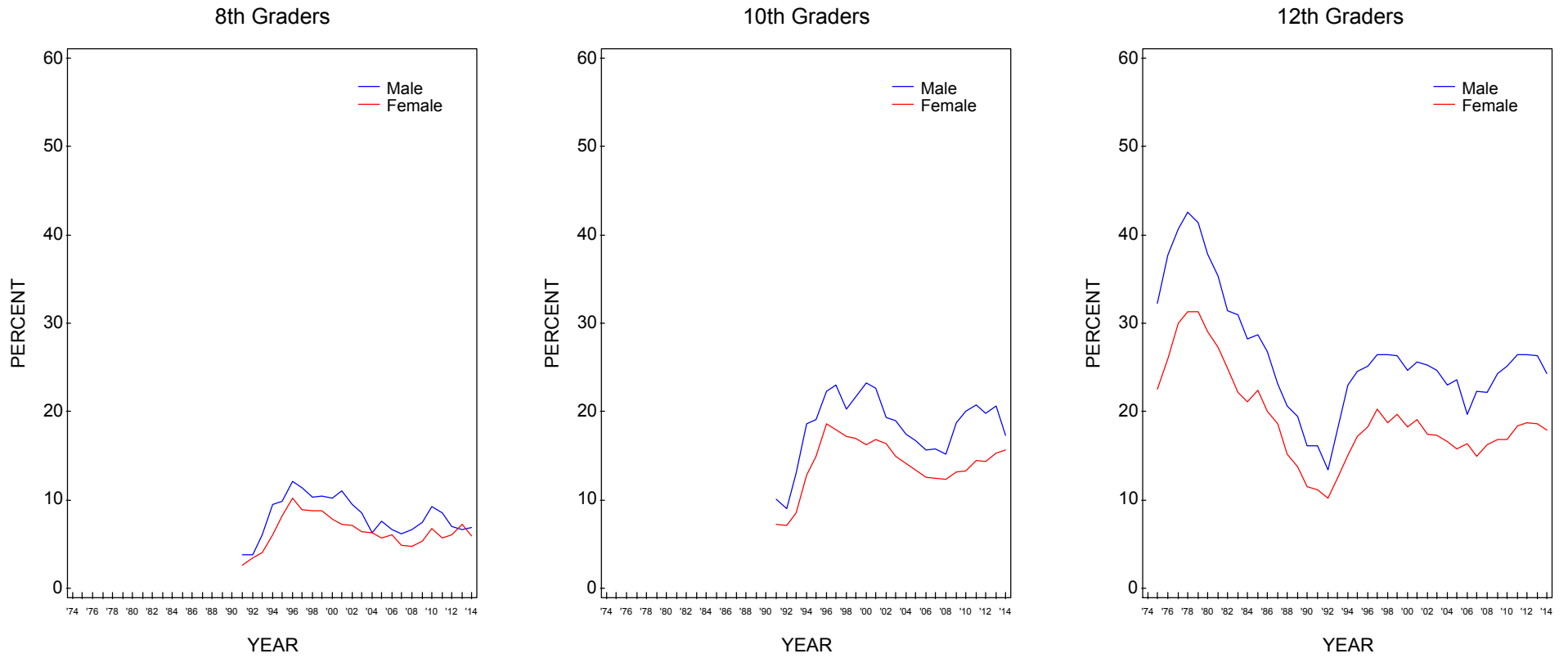
FIGURE 24
Marijuana: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

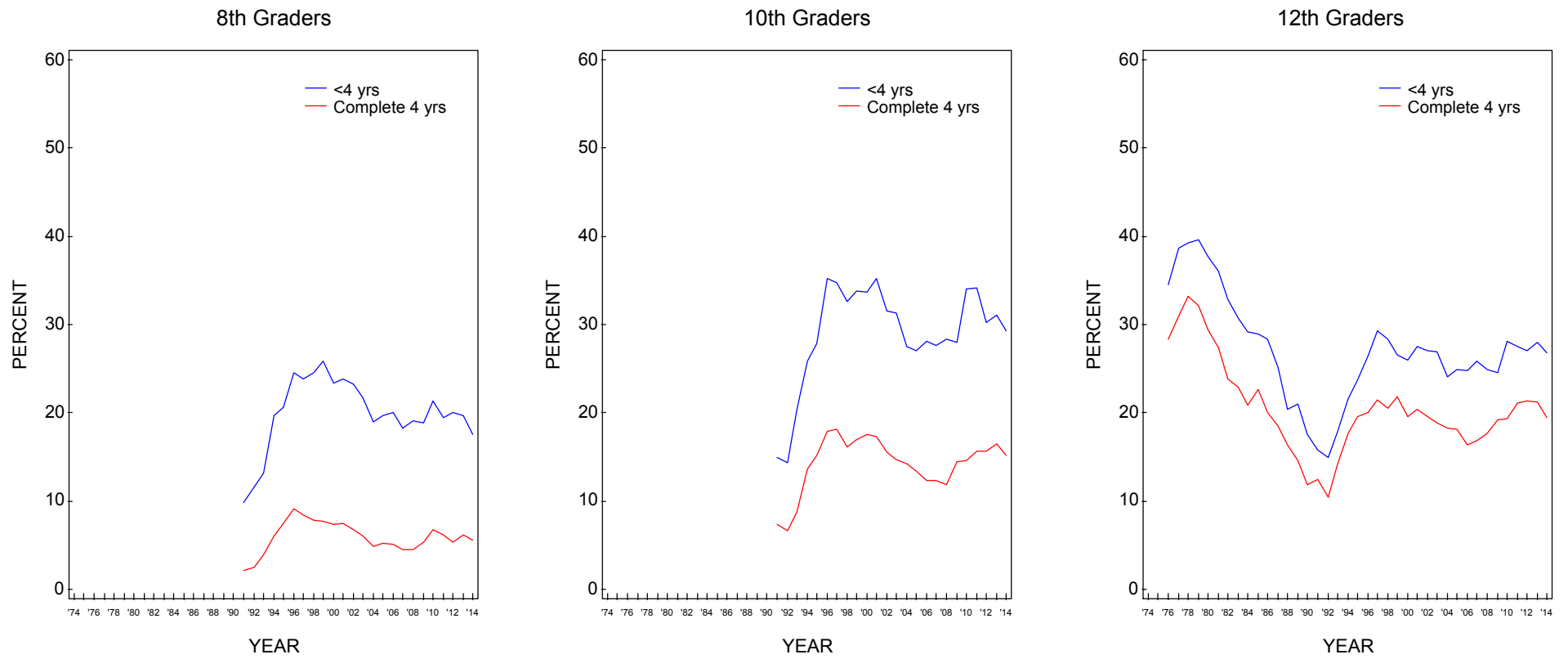
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 25
Marijuana: Trends in 30-Day Prevalence by Gender



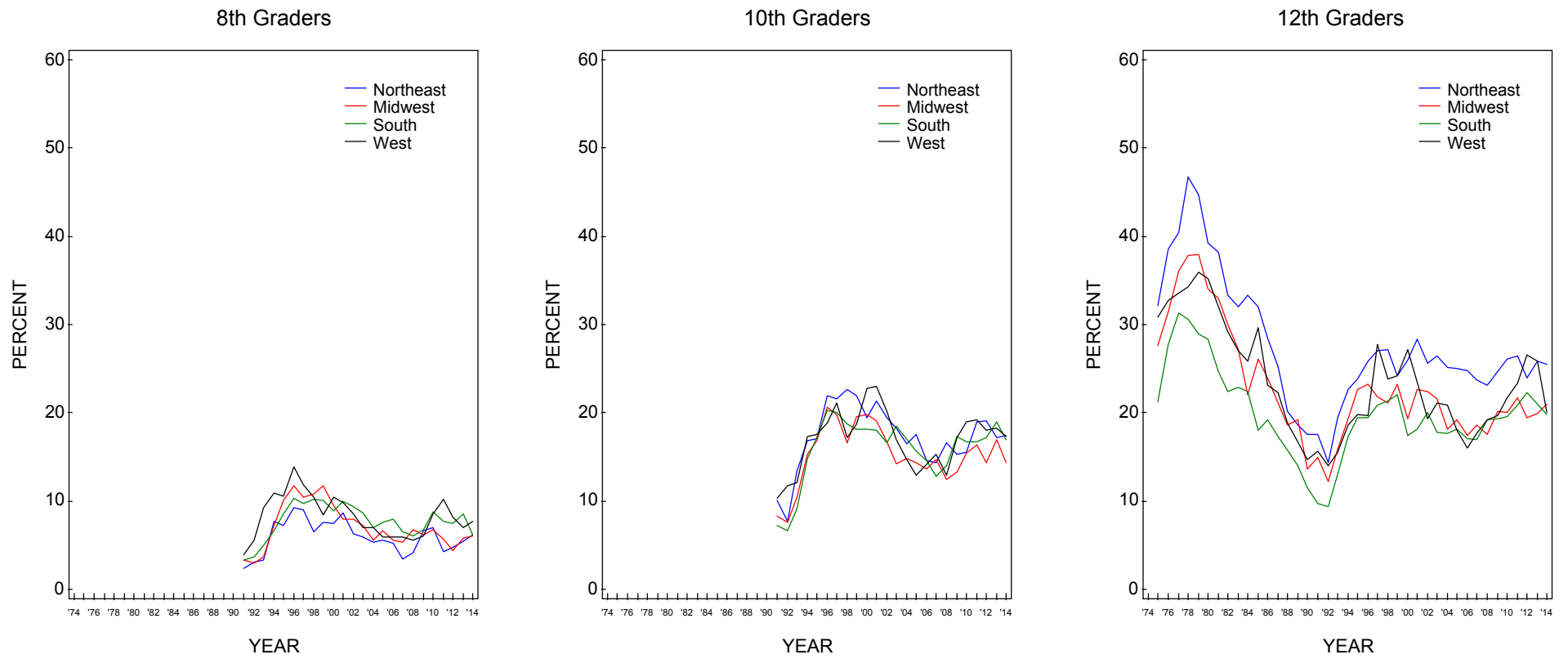
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 26
Marijuana: Trends in 30-Day Prevalence by College Plans



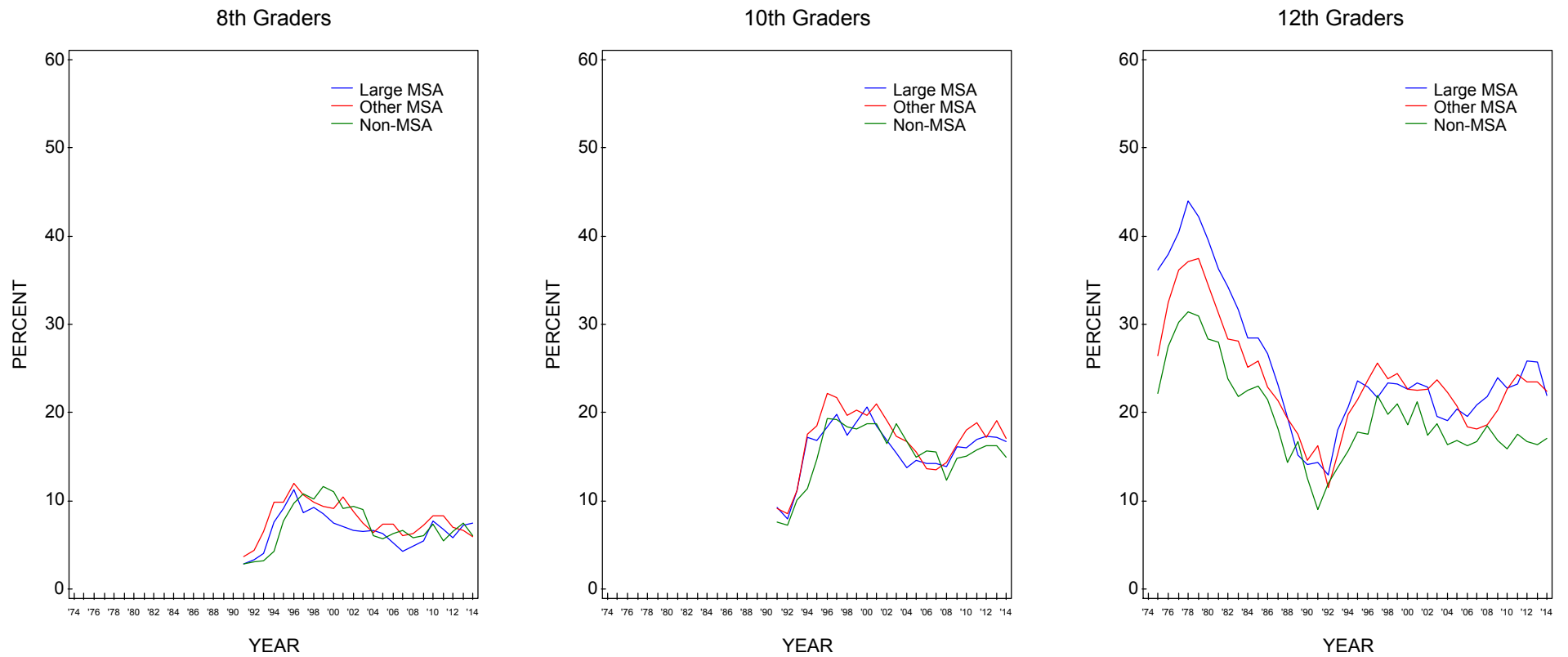
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 27
Marijuana: Trends in 30-Day Prevalence by Region



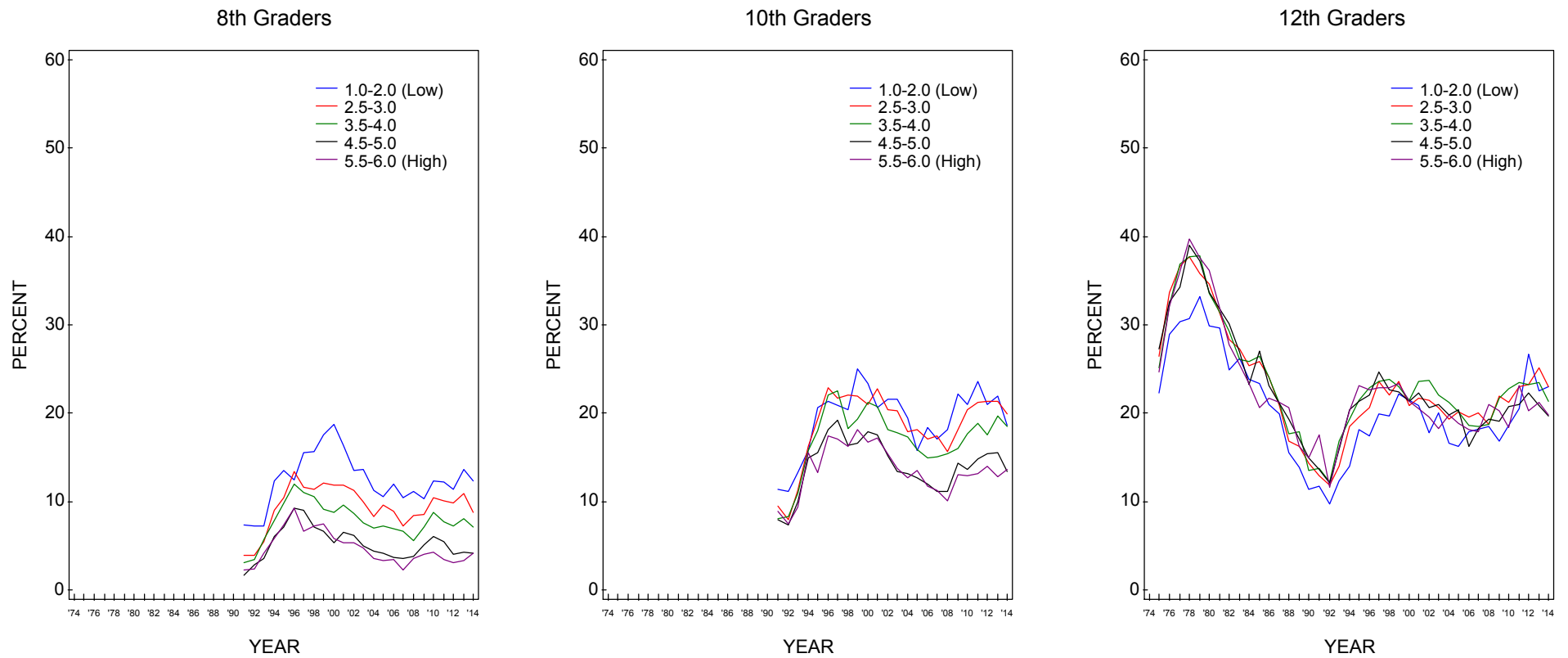
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 28
Marijuana: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

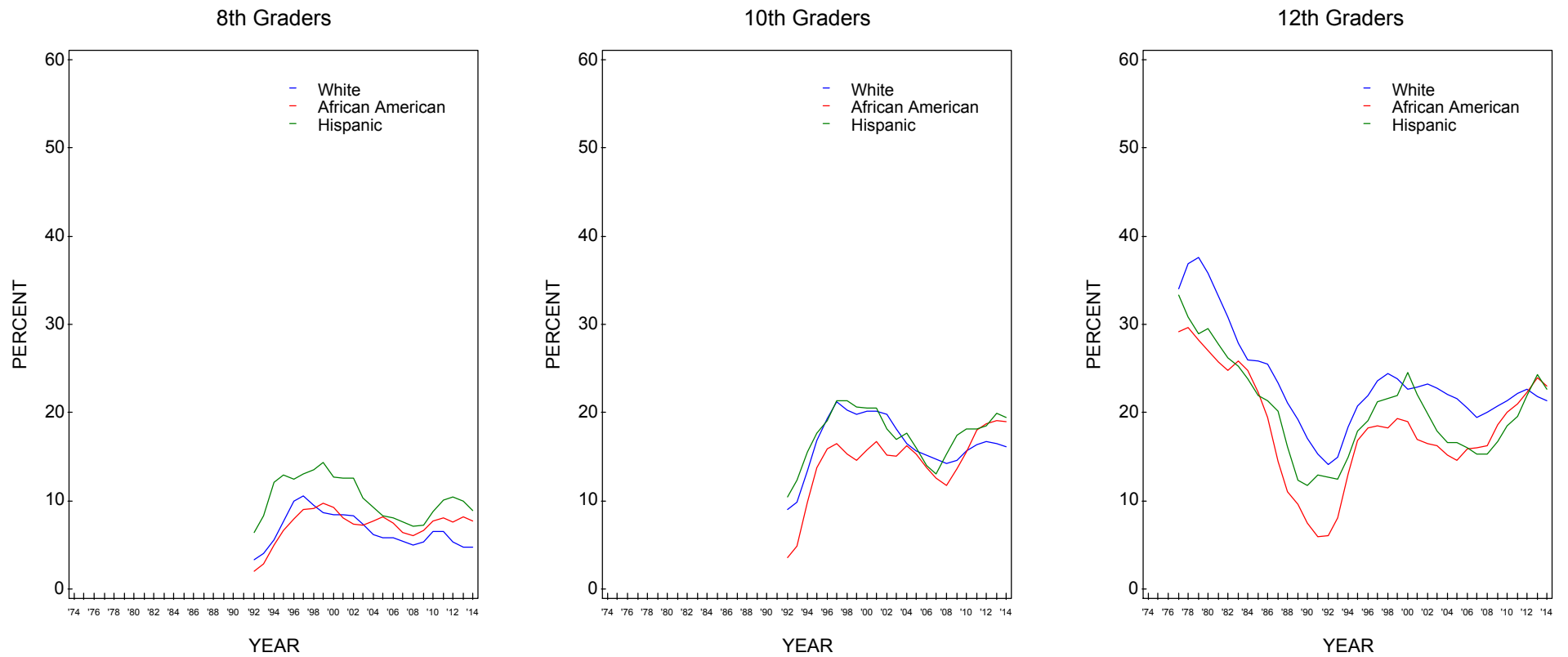
FIGURE 29
Marijuana: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

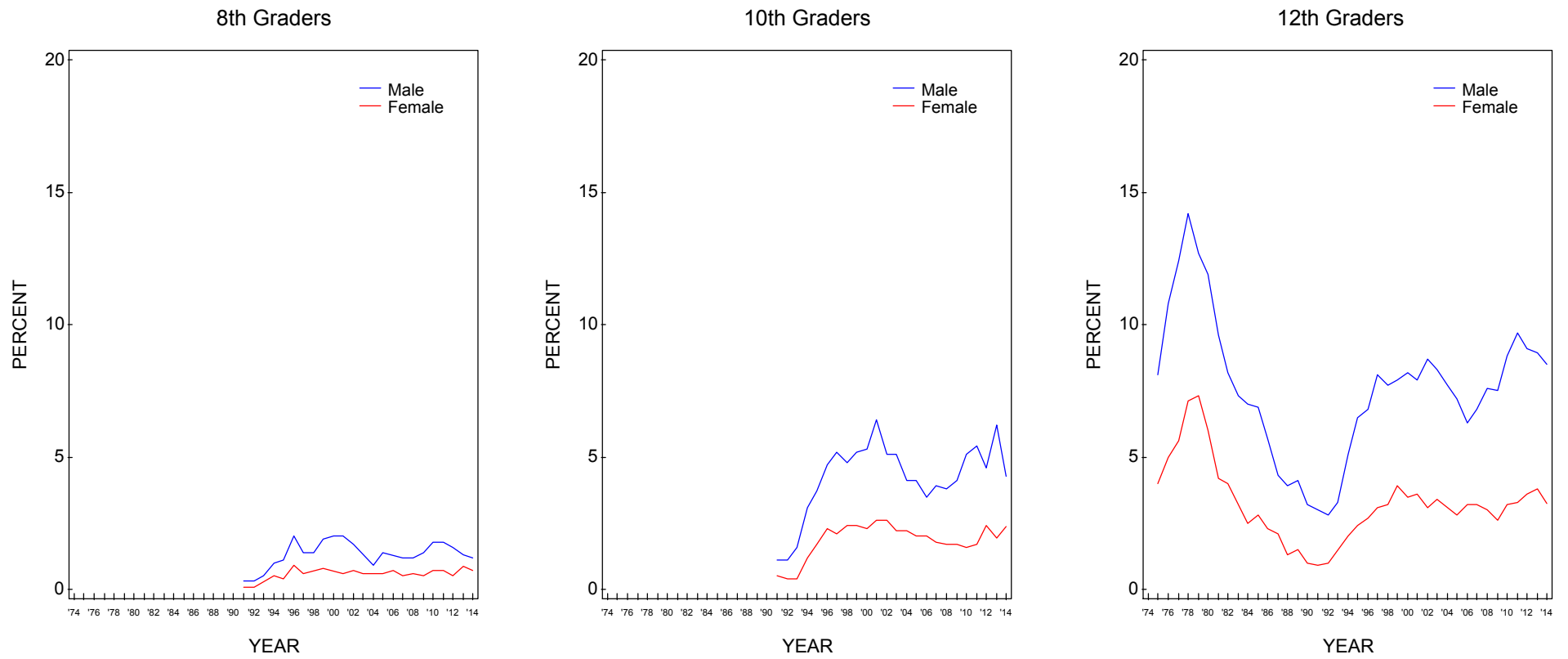
FIGURE 30
Marijuana: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

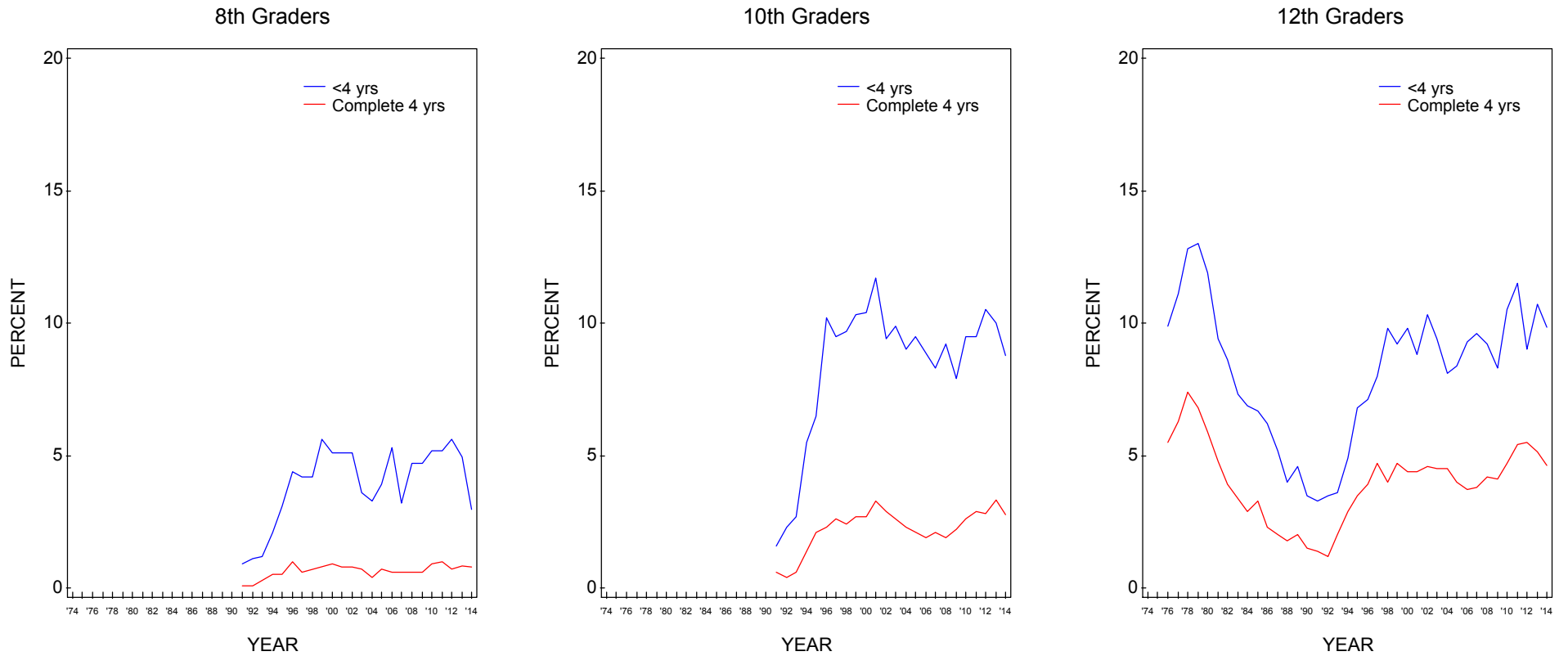
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 31
Marijuana: Trends in 30-Day Prevalence of Daily Use by Gender



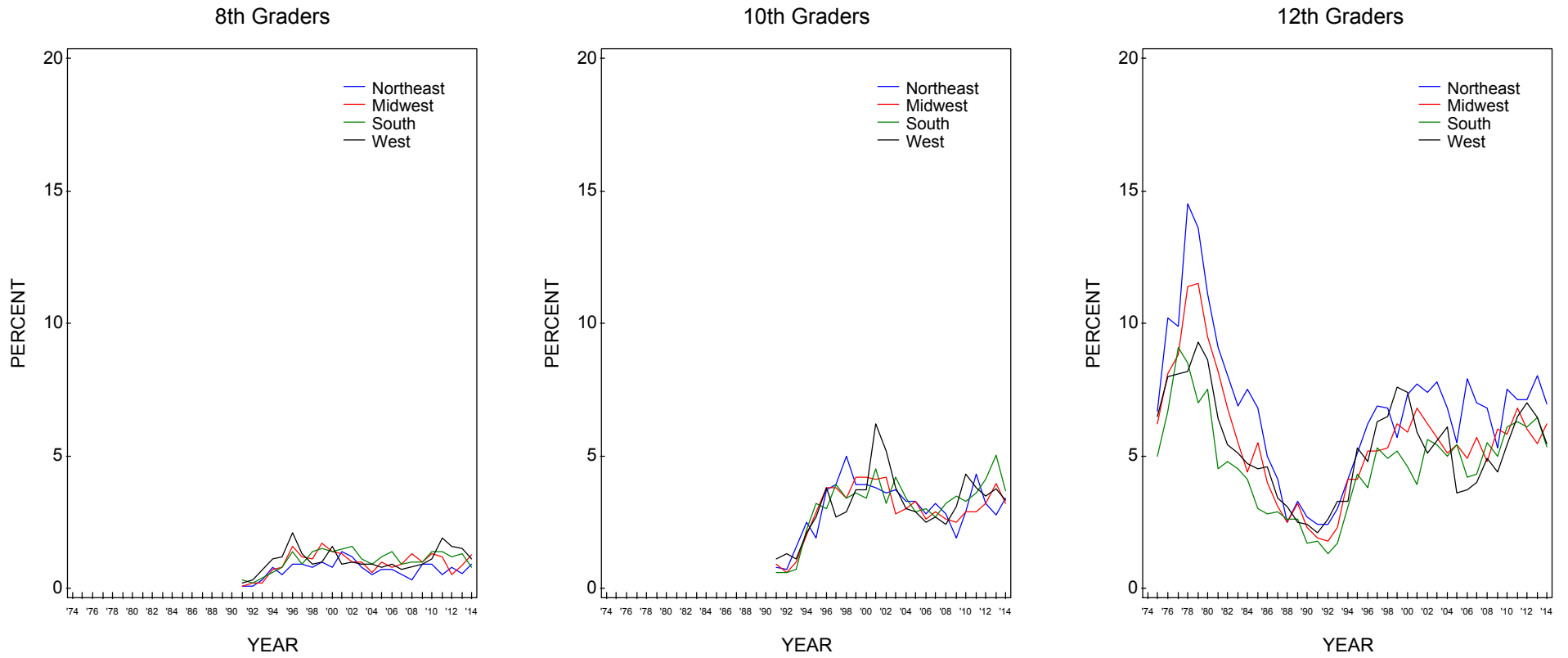
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 32
Marijuana: Trends in 30-Day Prevalence of Daily Use by College Plans



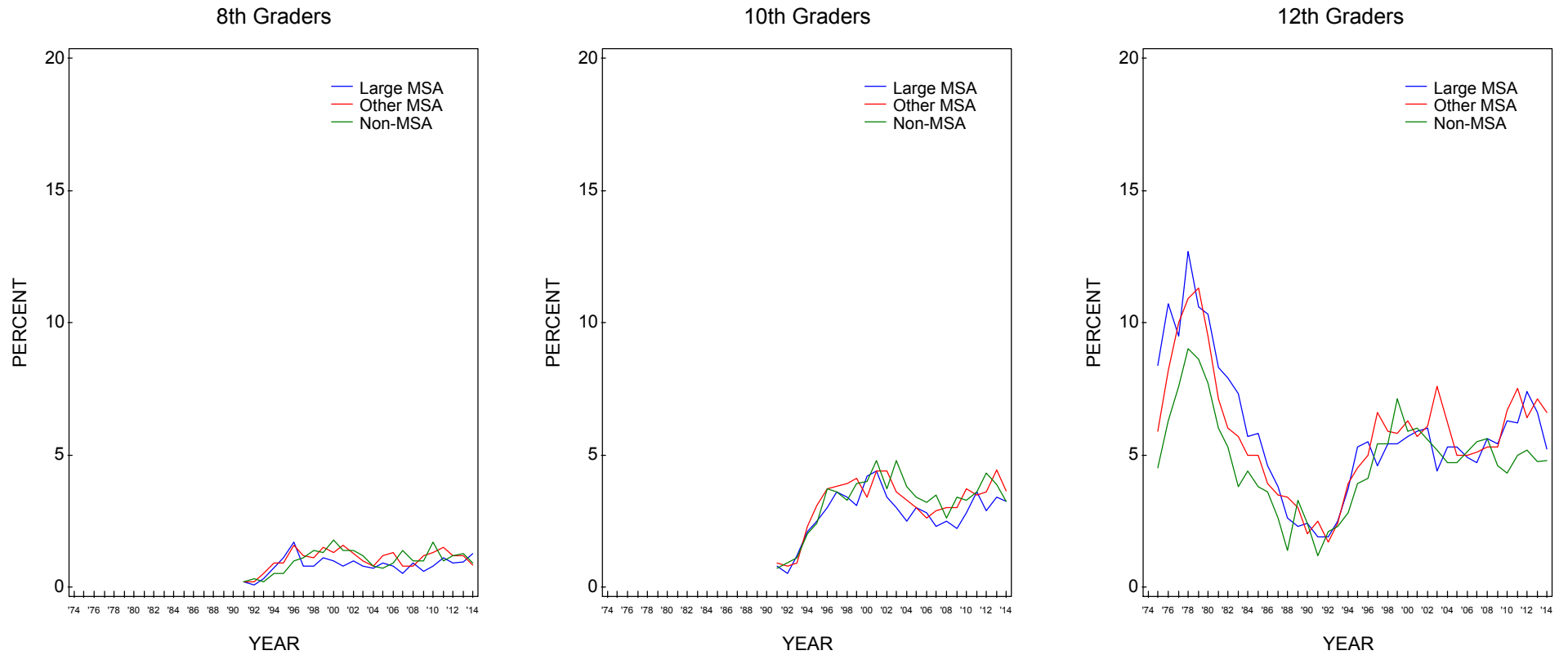
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 33
Marijuana: Trends in 30-Day Prevalence of Daily Use by Region



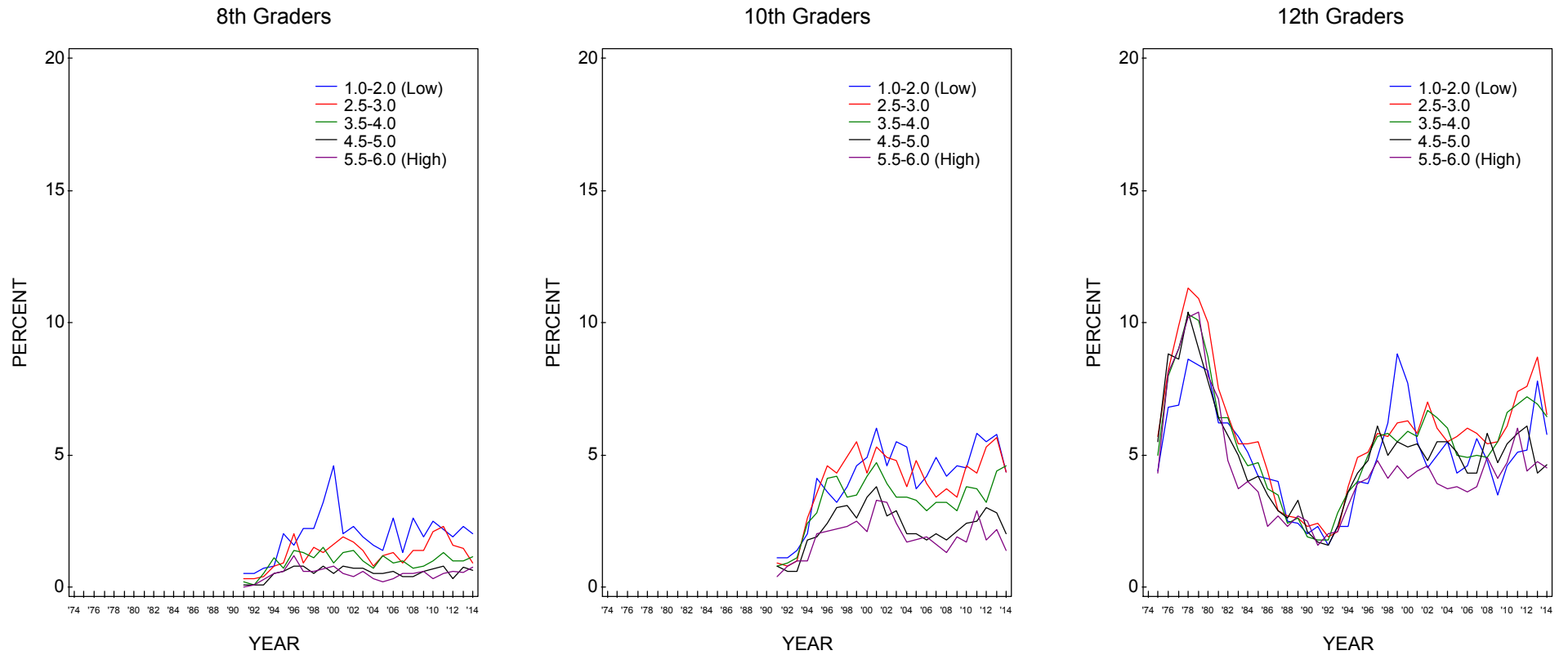
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 34
Marijuana: Trends in 30-Day Prevalence of Daily Use by Population Density



Source. The Monitoring the Future study, the University of Michigan.

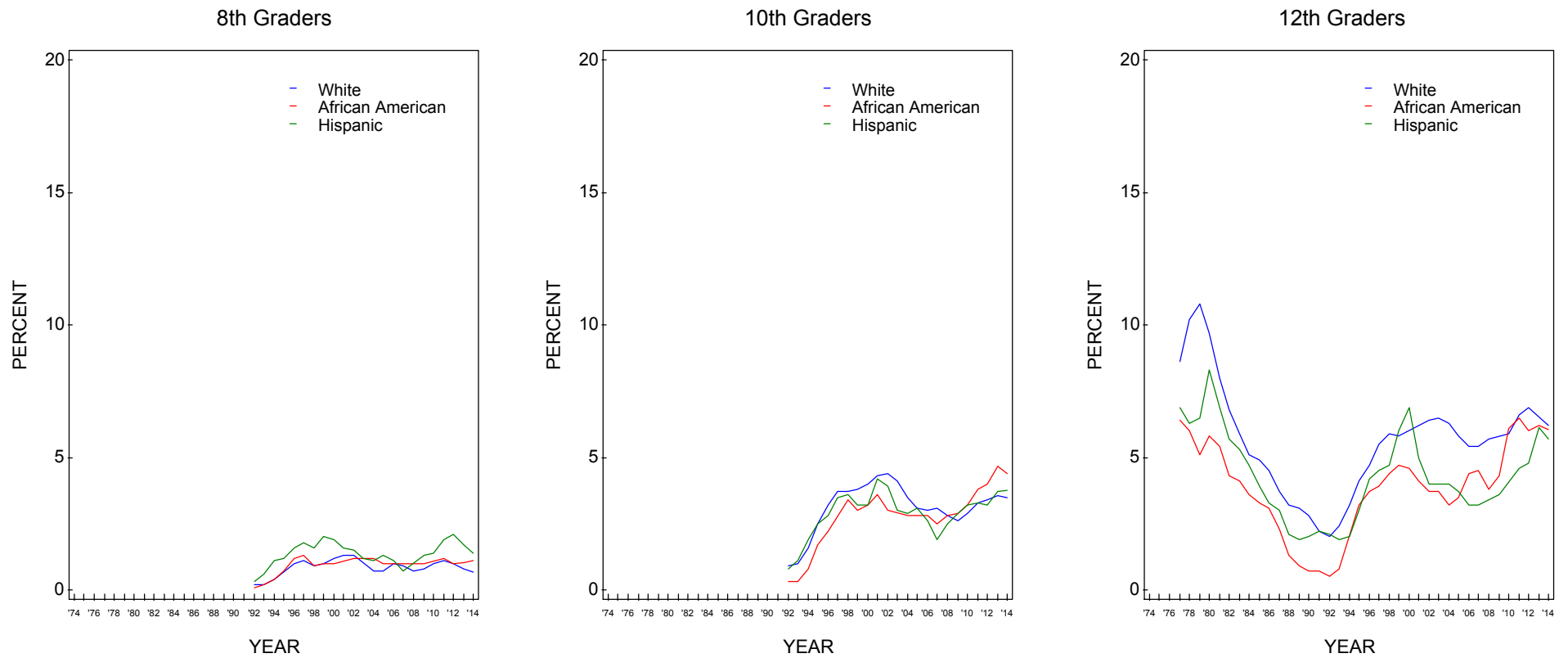
FIGURE 35
Marijuana: Trends 30-Day Prevalence of Daily Use by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

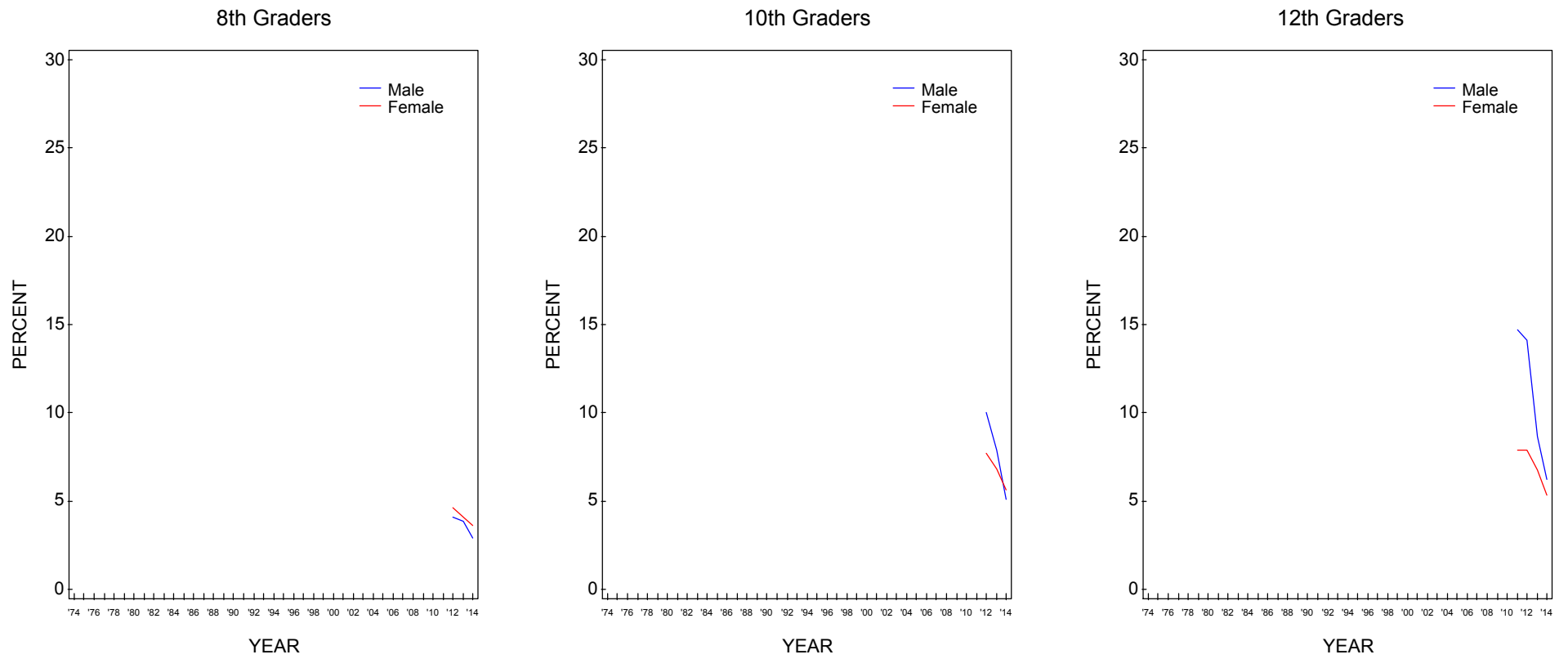
FIGURE 36
Marijuana: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

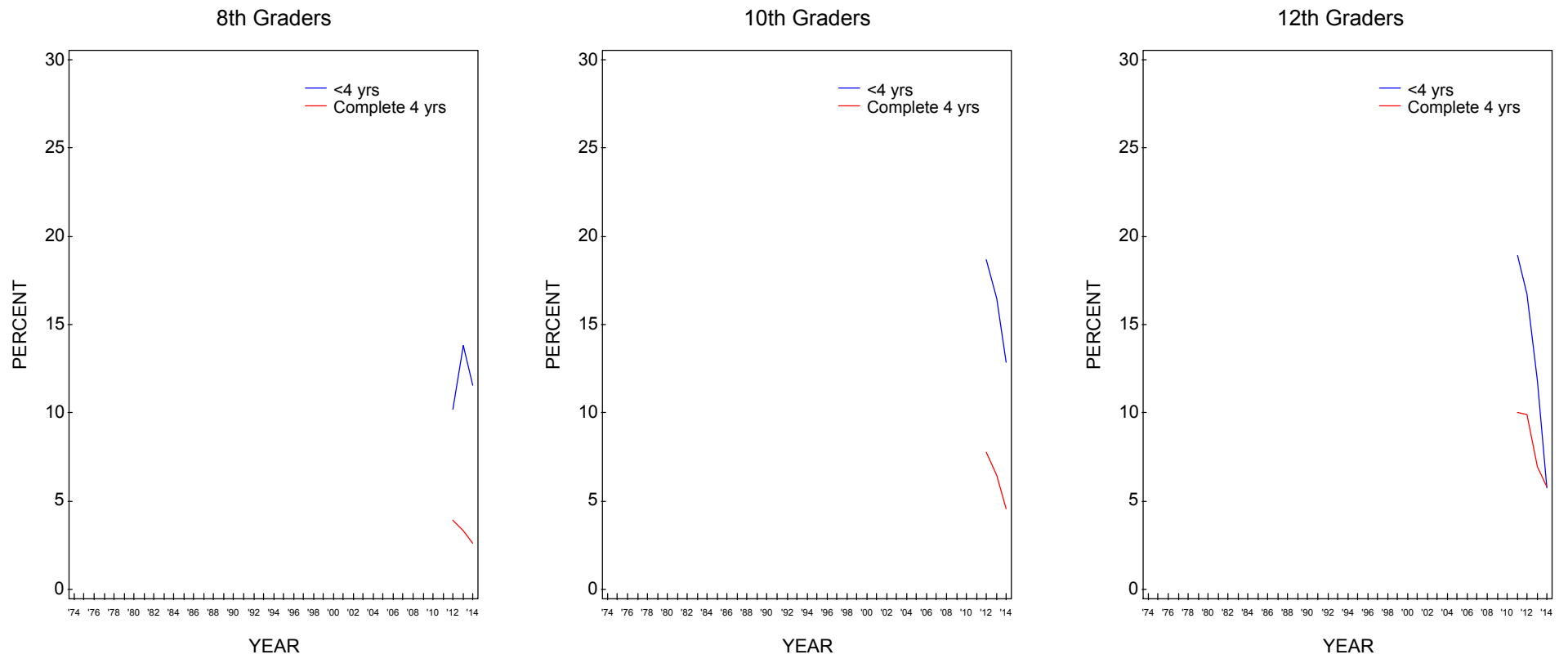
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 37
Synthetic Marijuana: Trends in Annual Prevalence by Gender



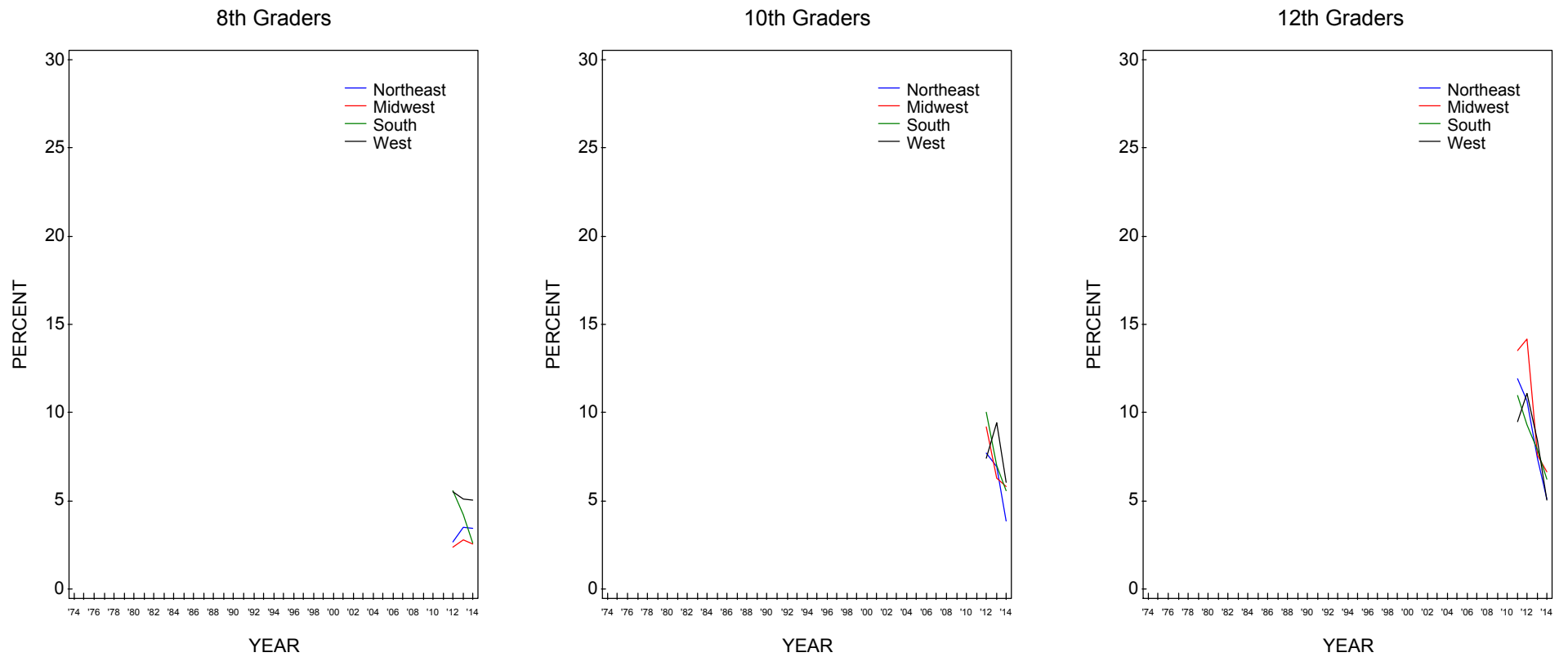
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 38
Synthetic Marijuana: Trends in Annual Prevalence by College Plans



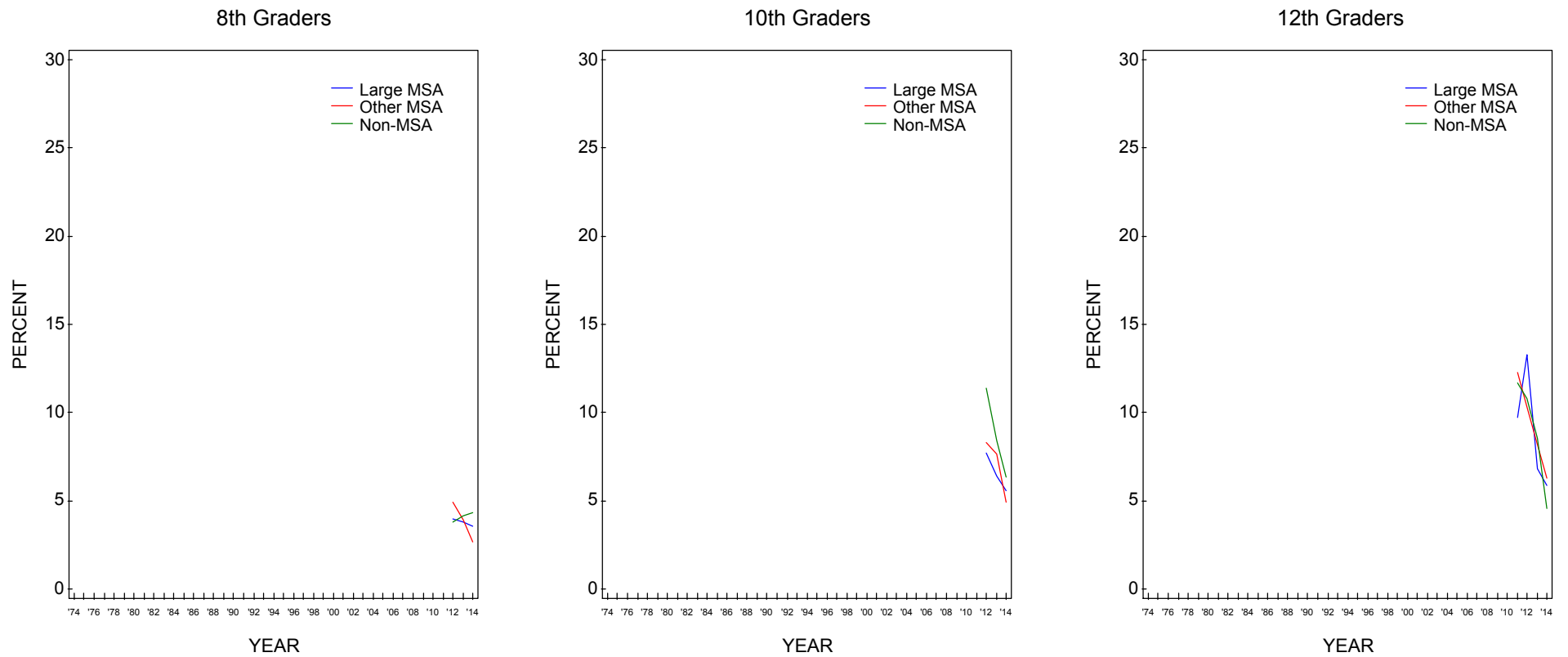
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 39
Synthetic Marijuana: Trends in Annual Prevalence by Region



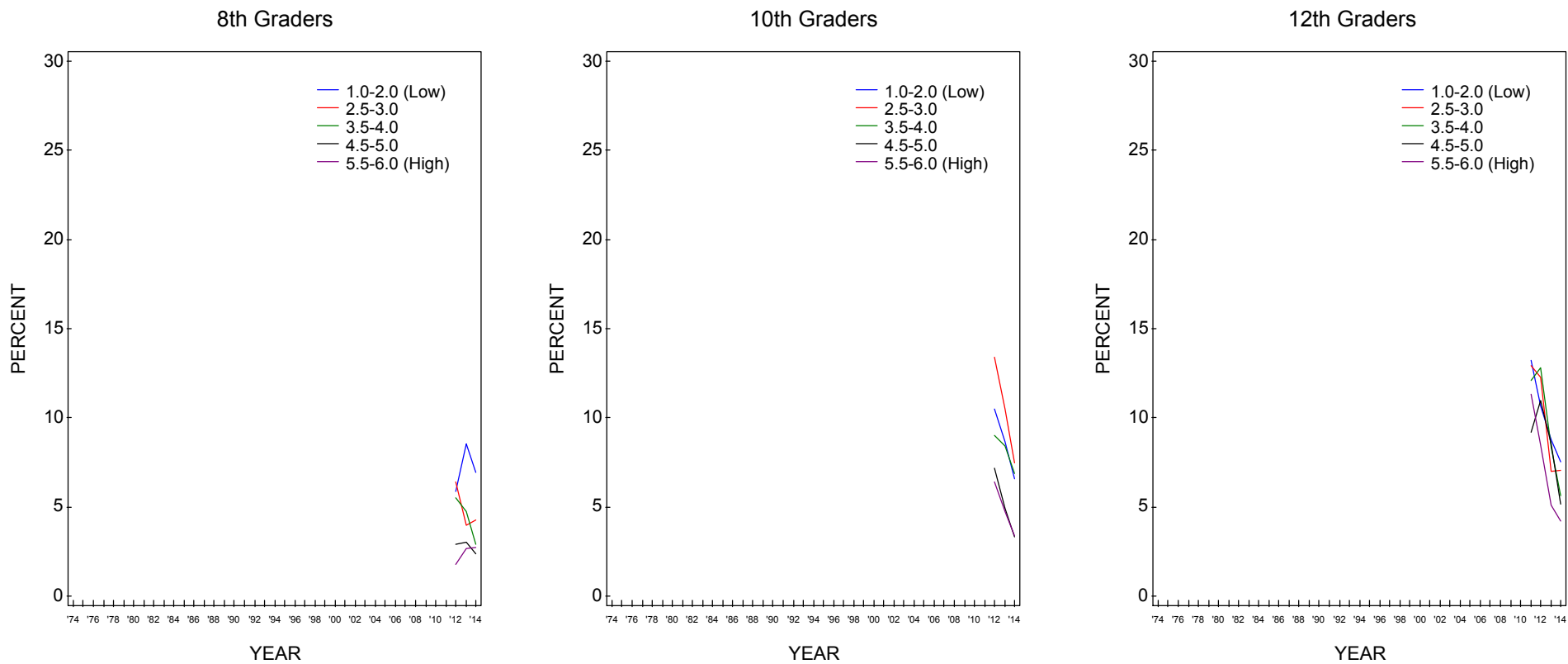
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 40
Synthetic Marijuana: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

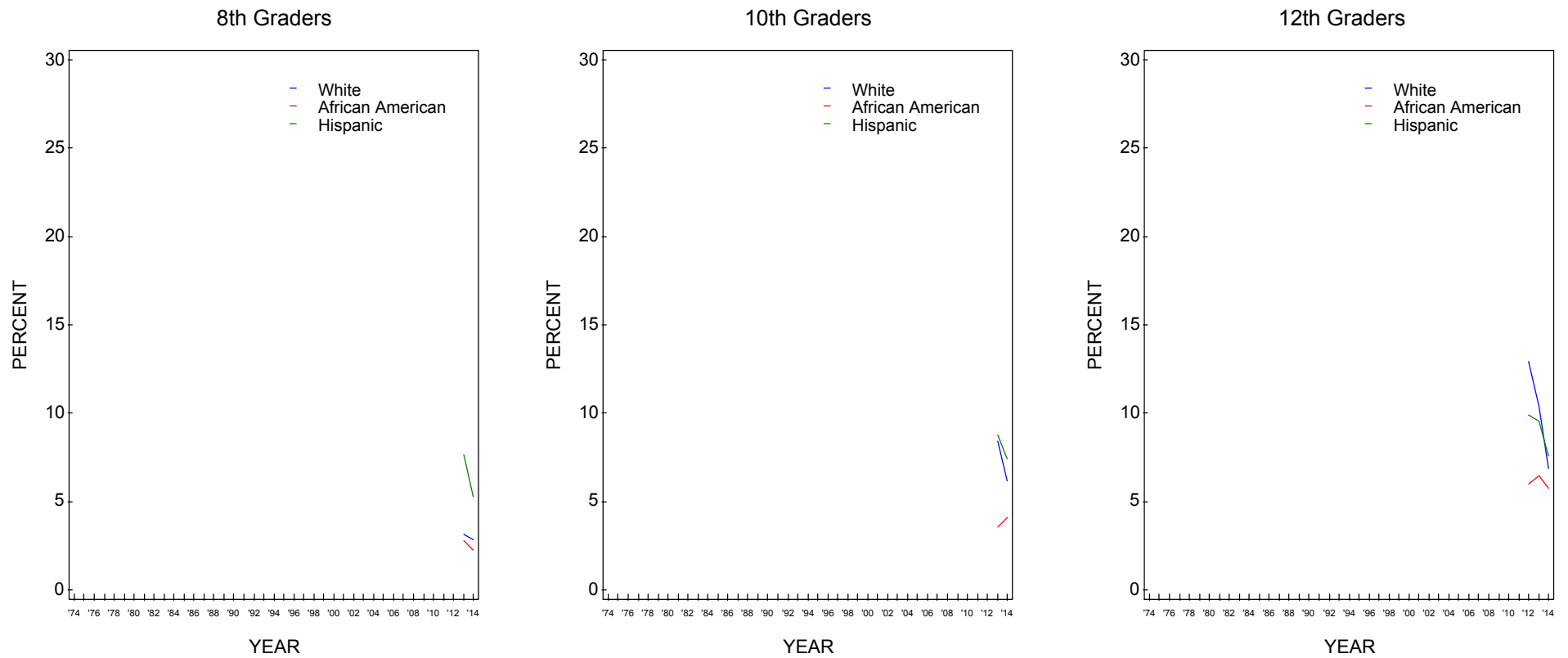
FIGURE 41
Synthetic Marijuana: Trends Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

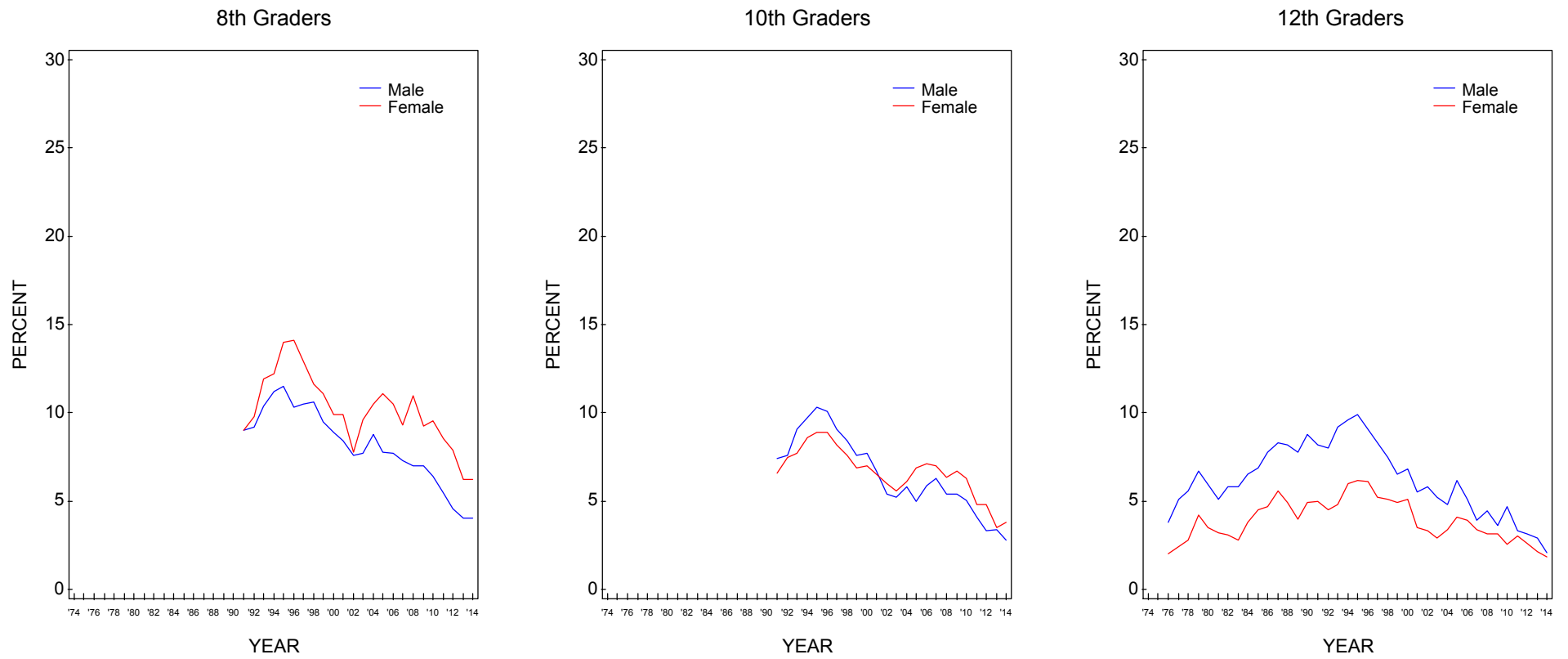
FIGURE 42
Synthetic Marijuana: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

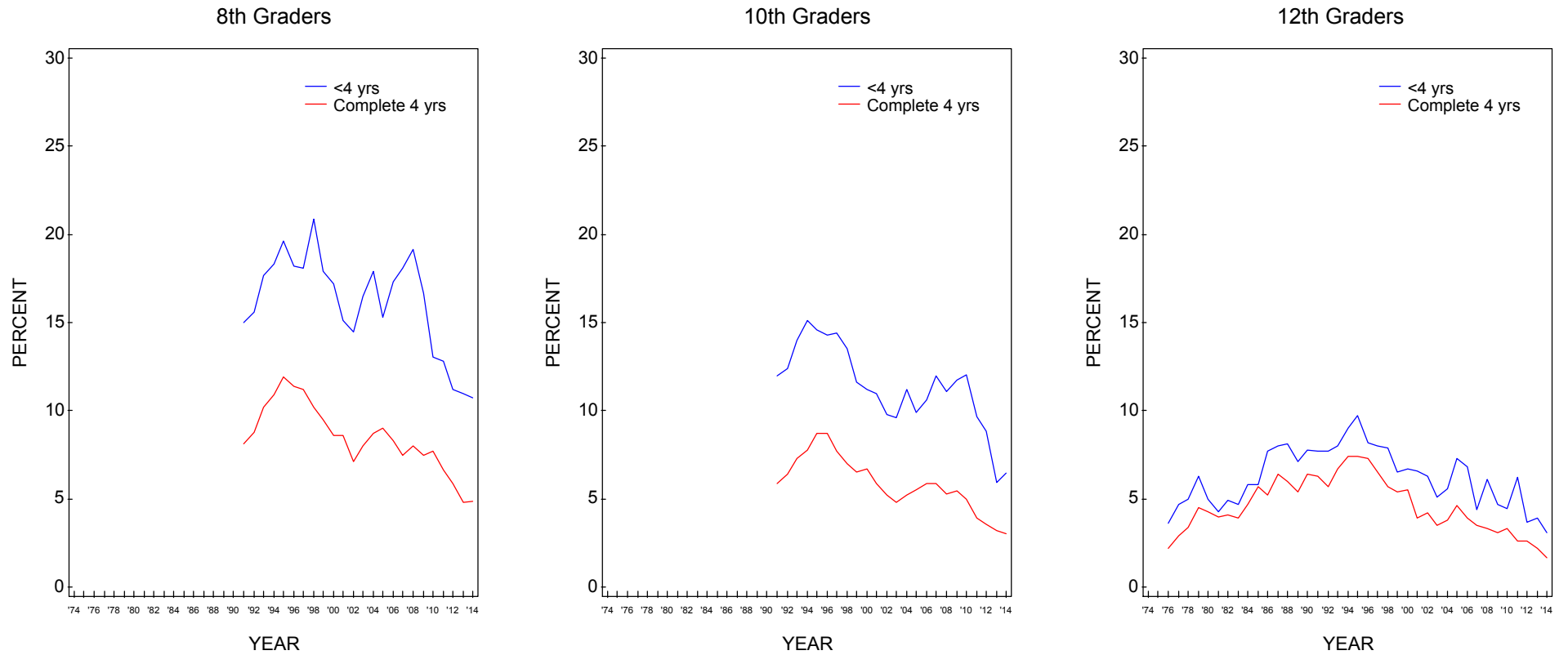
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 43
Inhalants: Trends in Annual Prevalence by Gender



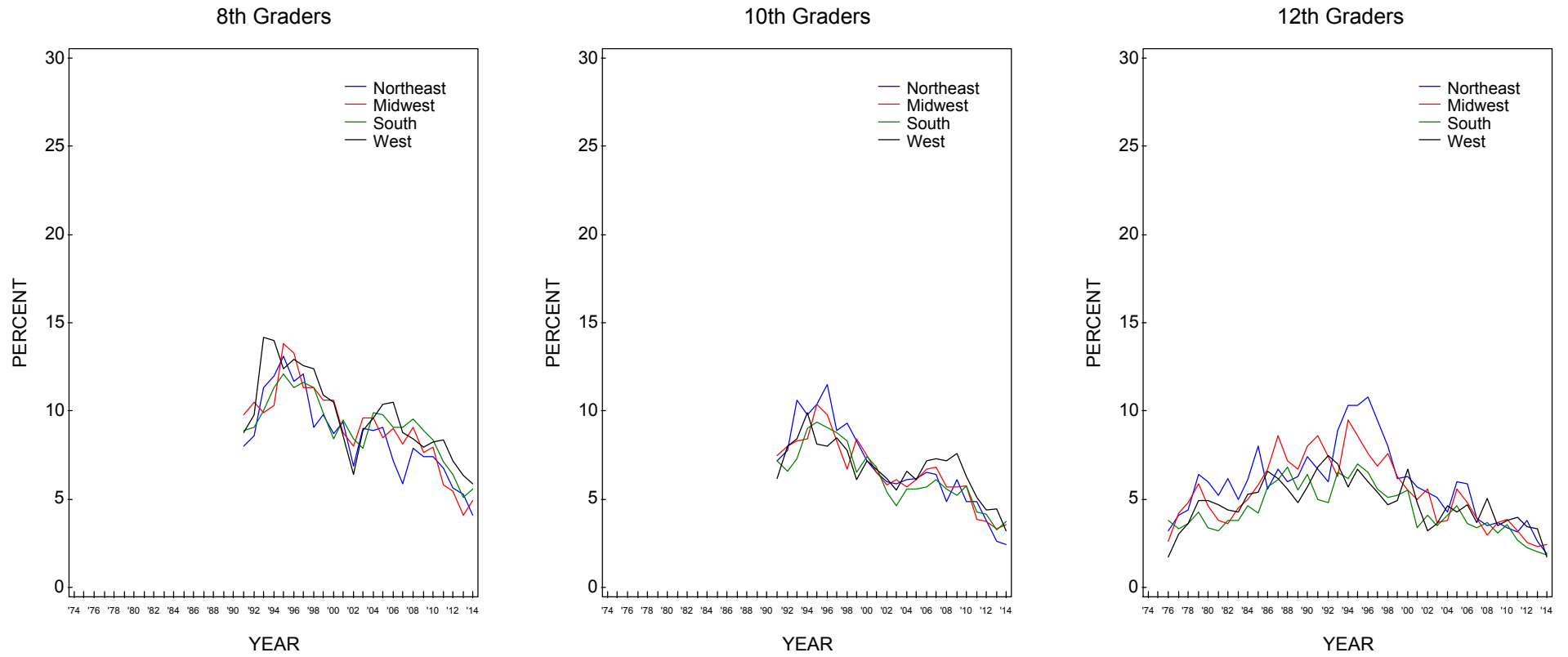
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 44
Inhalants: Trends in Annual Prevalence by College Plans



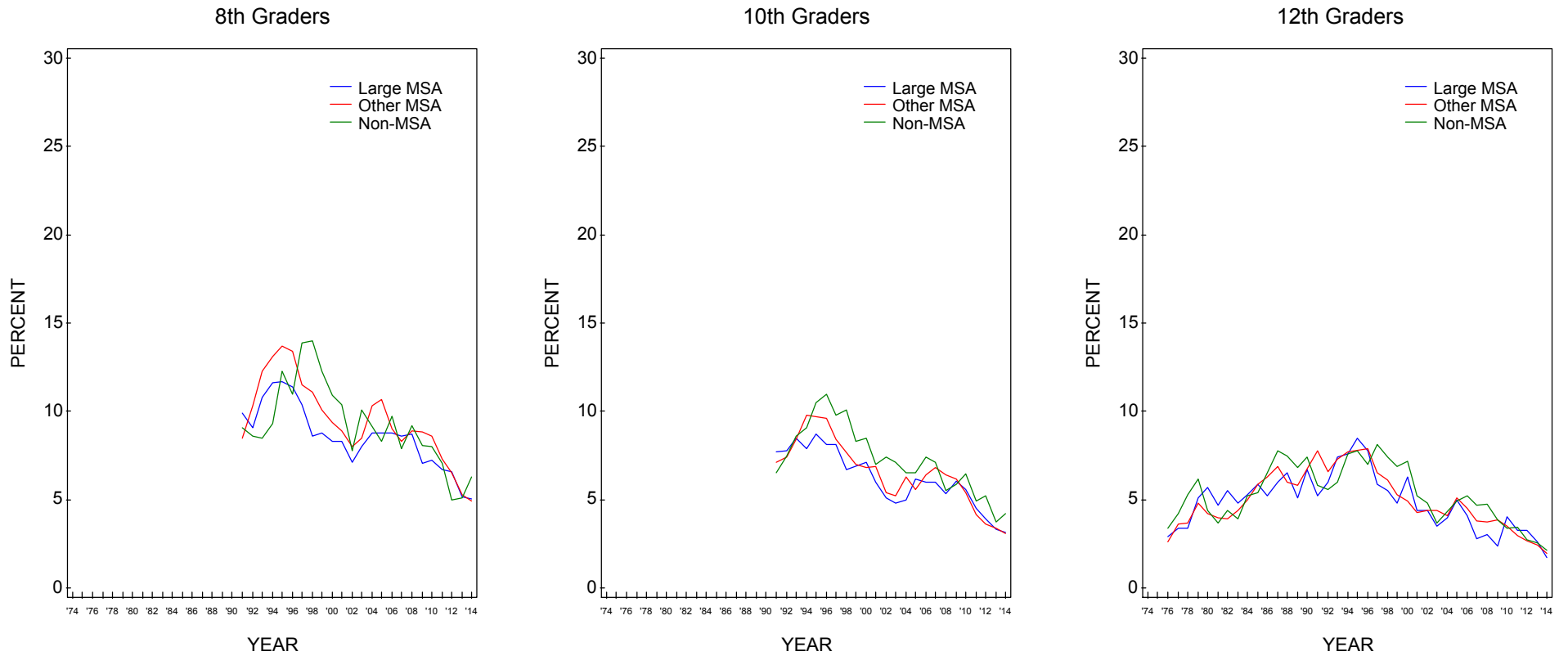
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 45
Inhalants: Trends in Annual Prevalence by Region



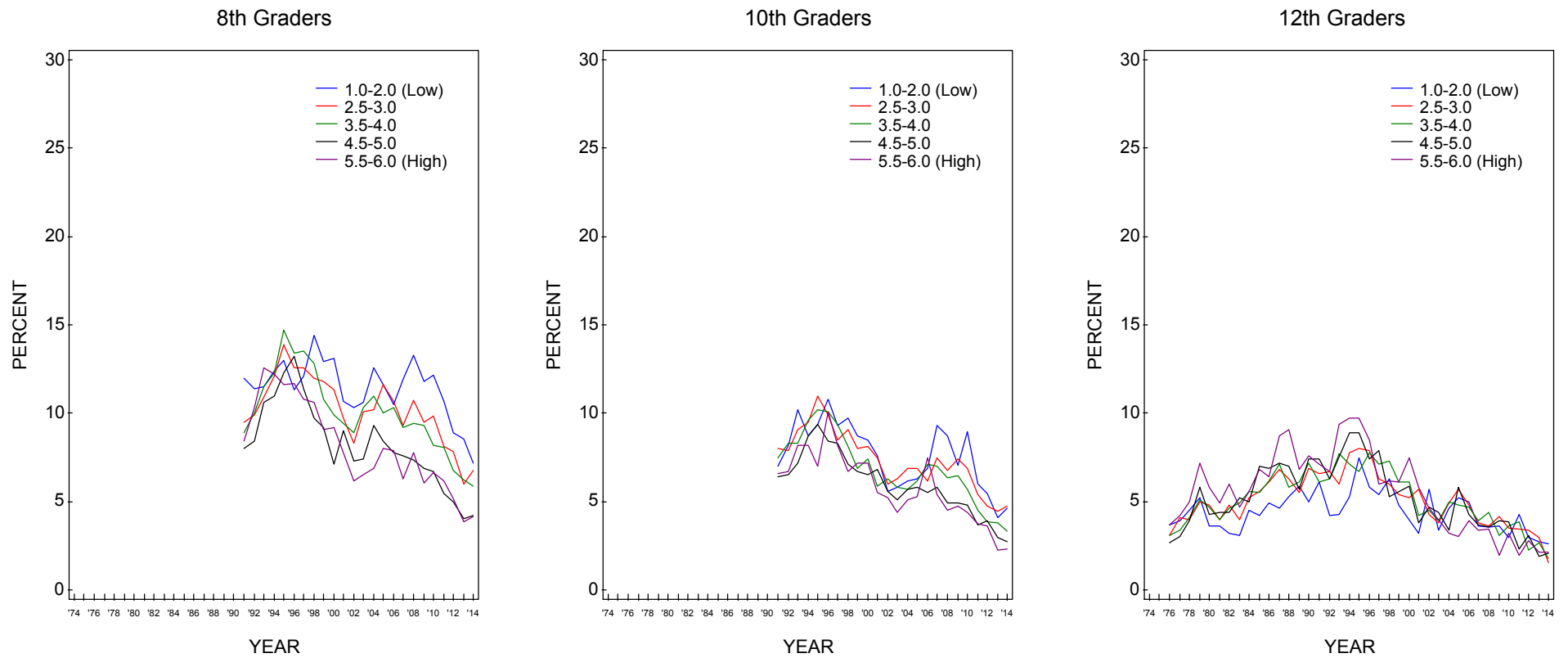
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 46
Inhalants: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

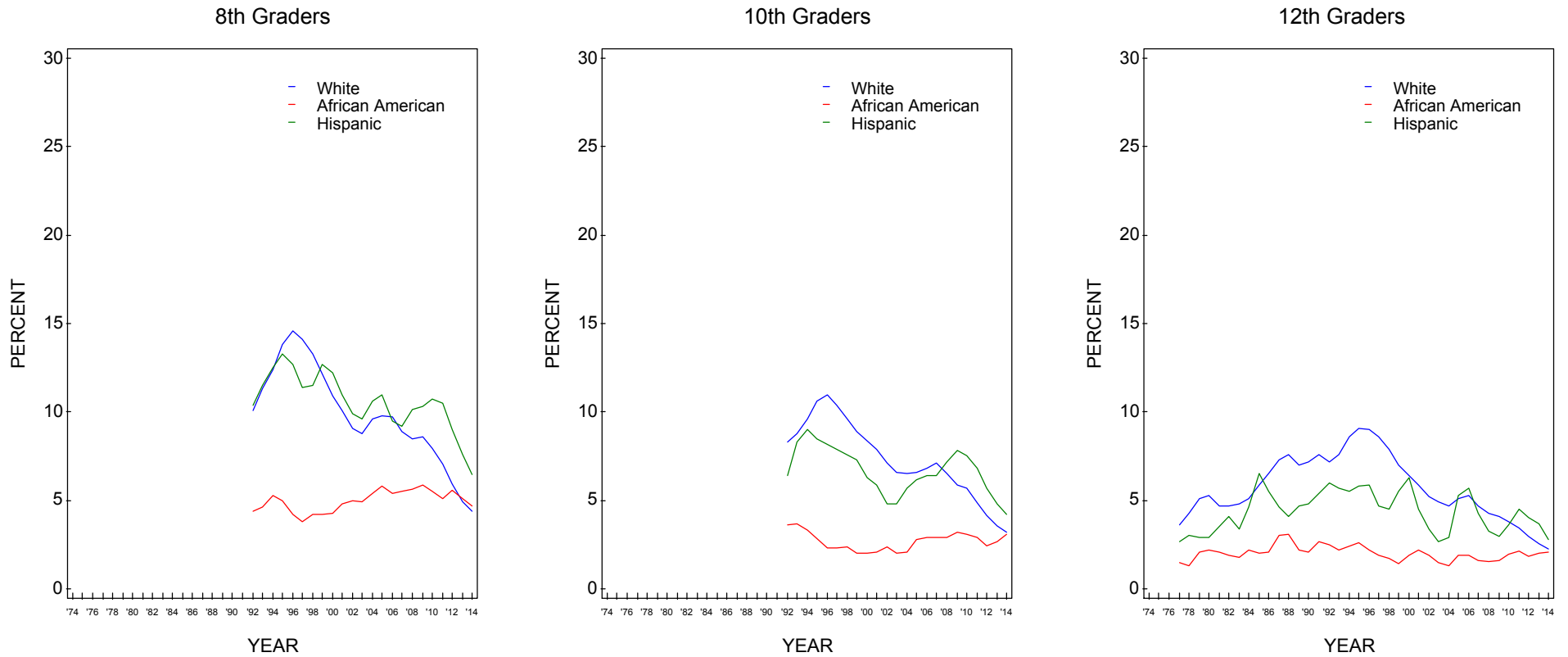
FIGURE 47
Inhalants: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

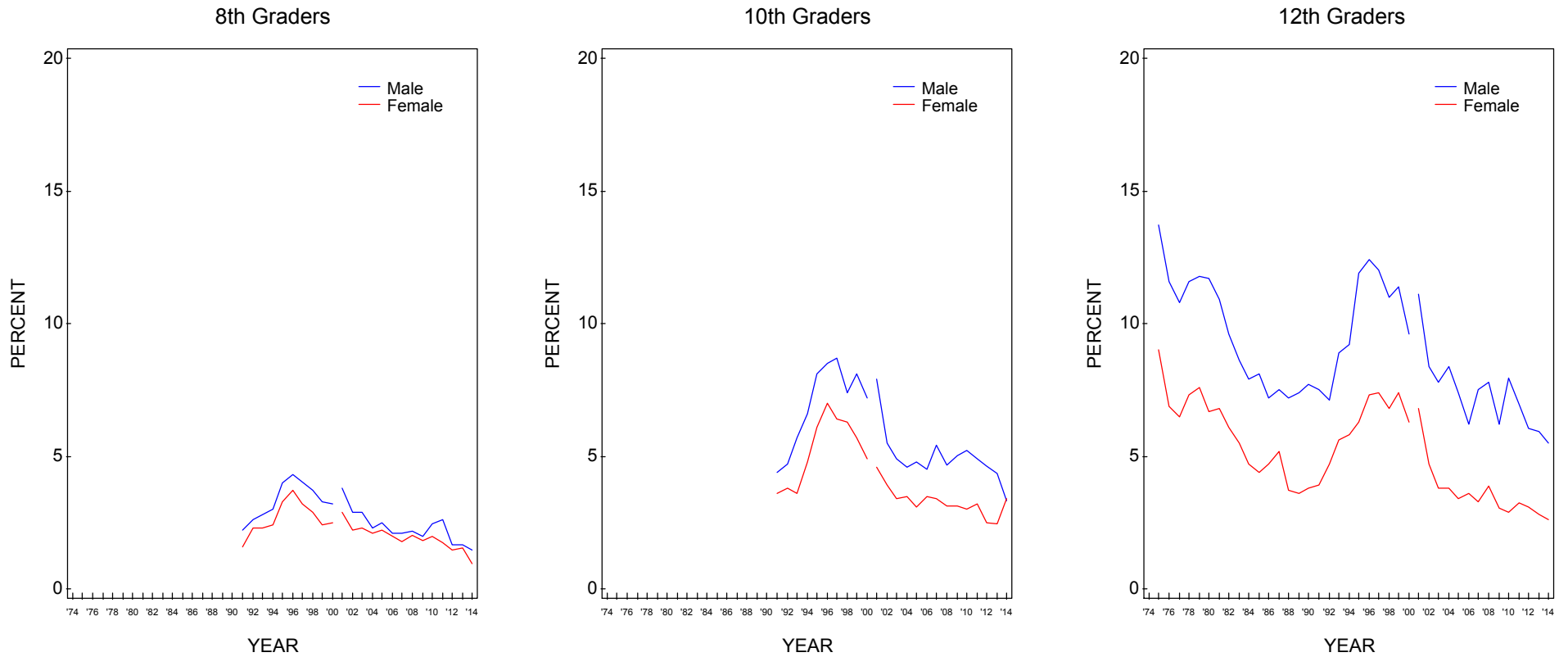
FIGURE 48
Inhalants: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 49
Hallucinogens:* Trends in Annual Prevalence by Gender

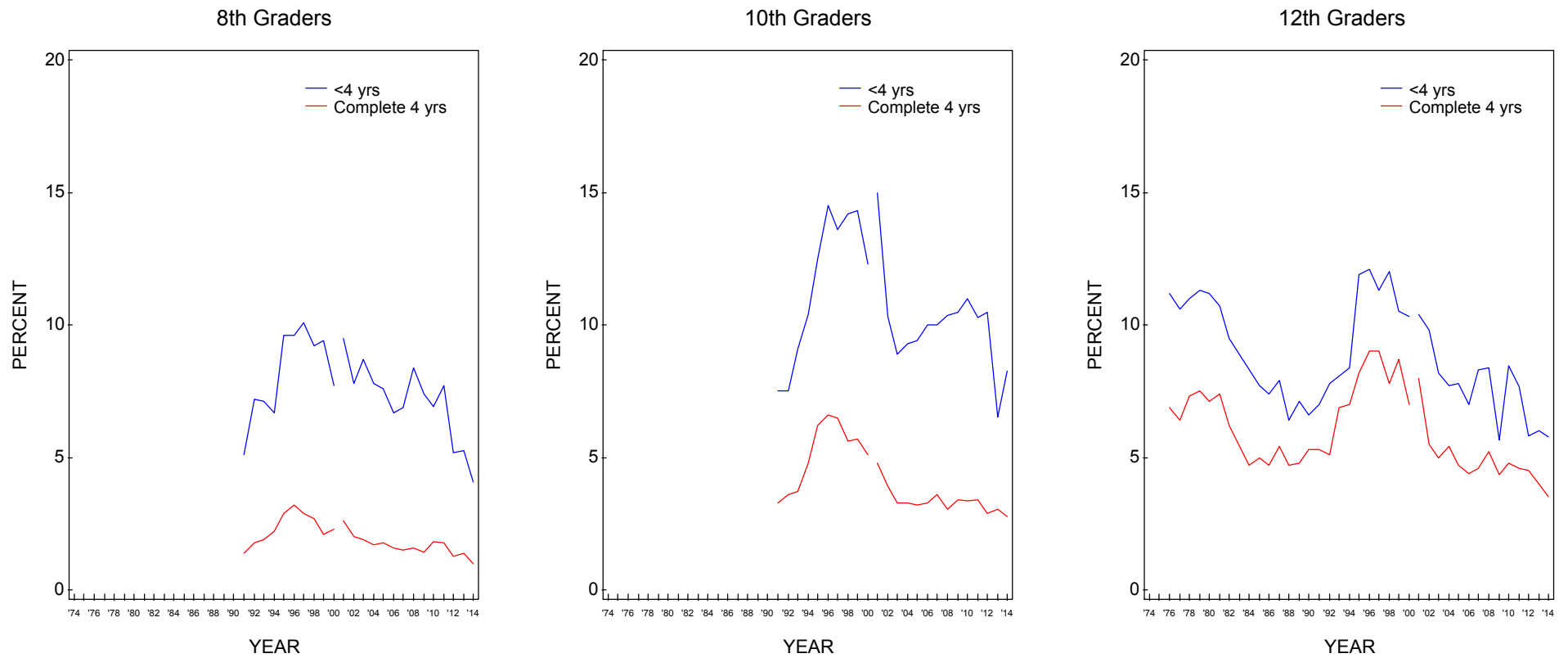


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

Refer to corresponding tables for further details.

FIGURE 50
Hallucinogens:* Trends in Annual Prevalence by College Plans

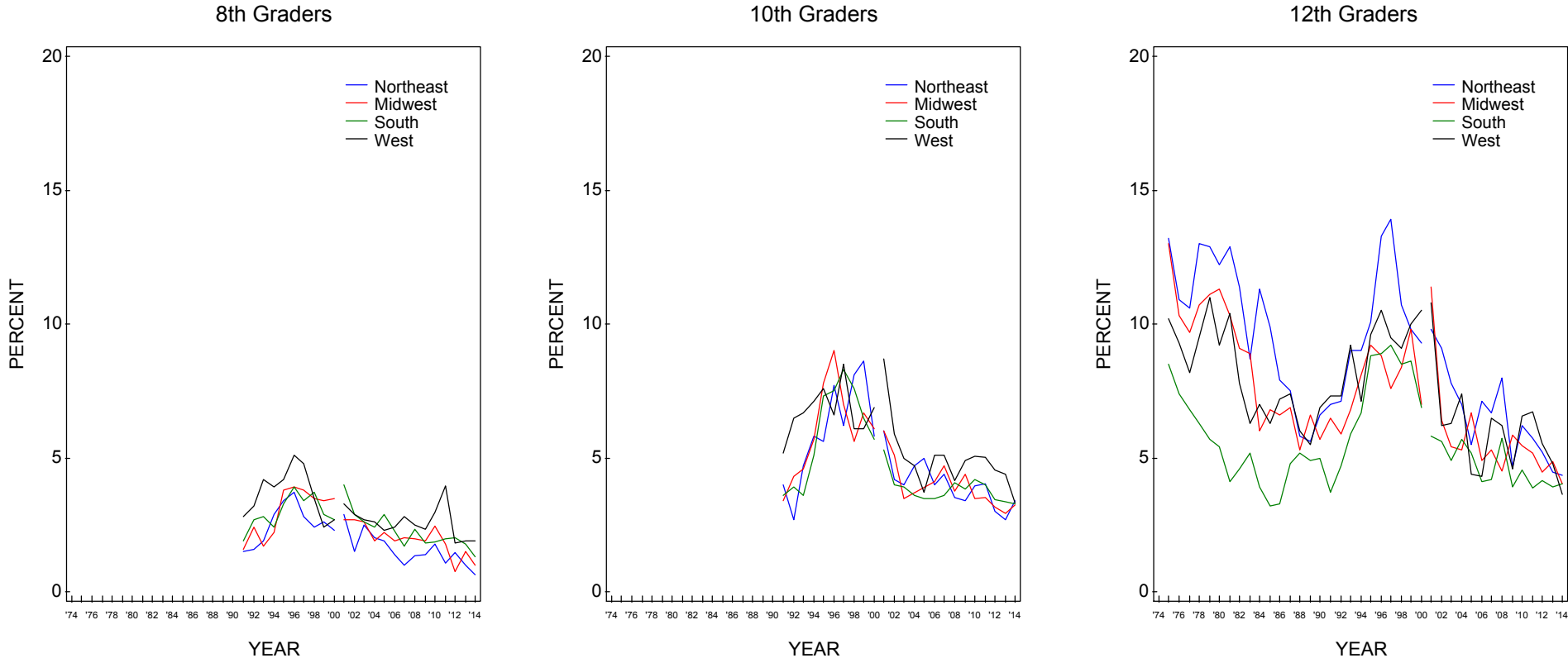


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

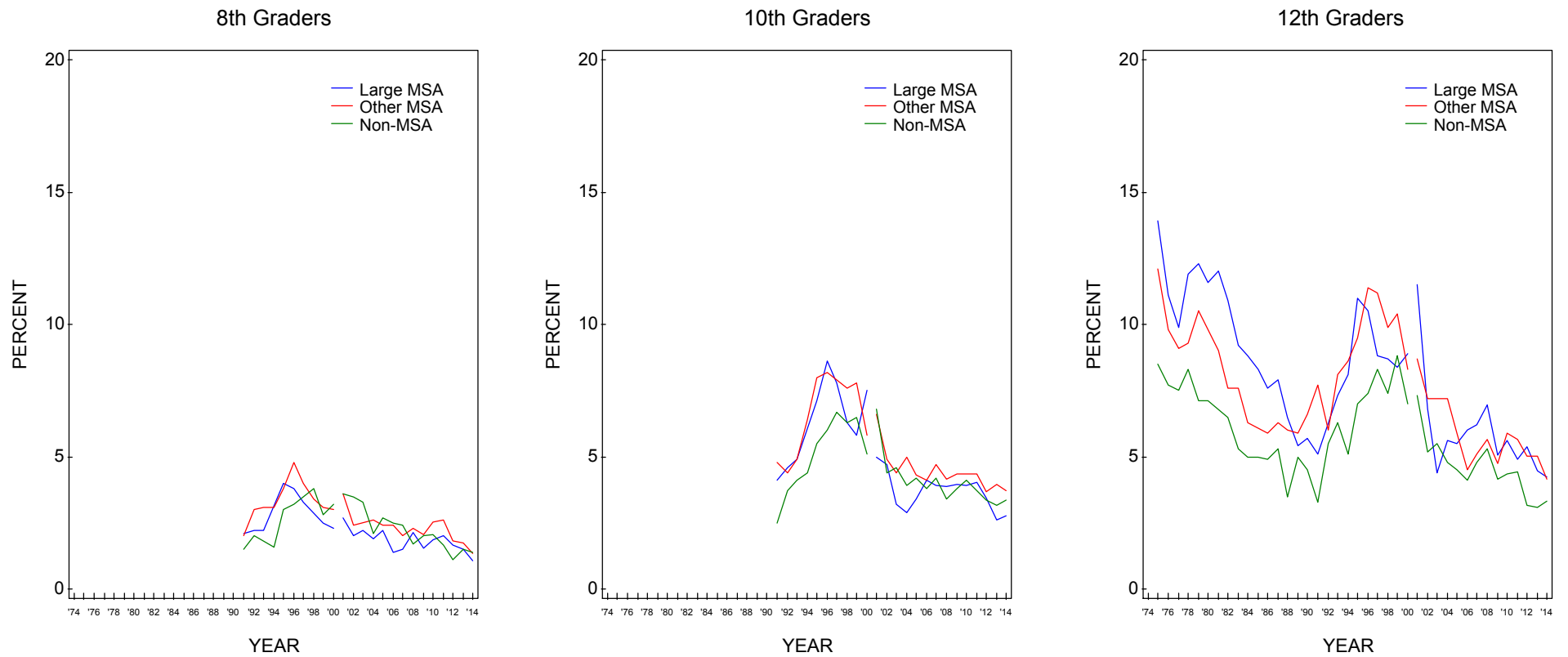
Refer to corresponding tables for further details.

FIGURE 51
Hallucinogens:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes. Refer to corresponding tables for further details.

FIGURE 52
Hallucinogens:* Trends in Annual Prevalence by Population Density

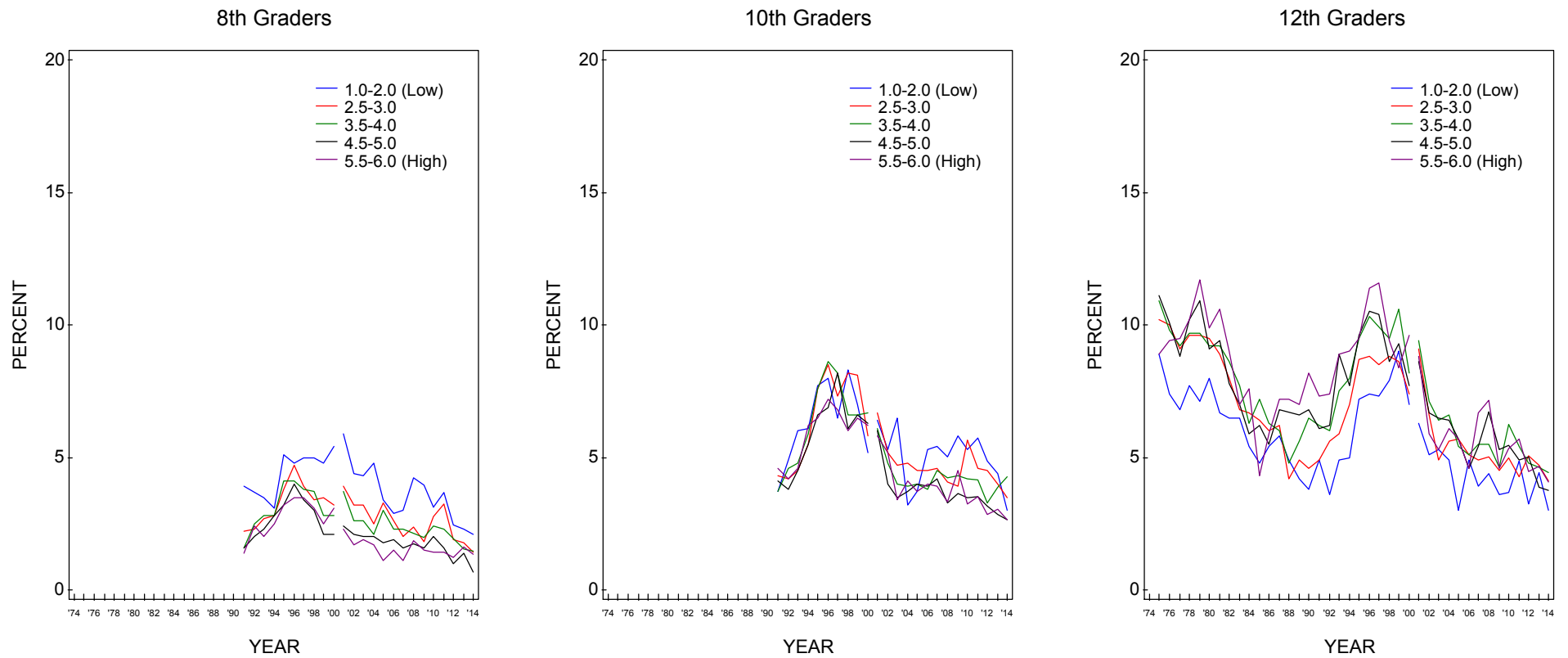


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

Refer to corresponding tables for further details.

FIGURE 53
Hallucinogens:* Trends in Annual Prevalence by Average Education Level of Parents**



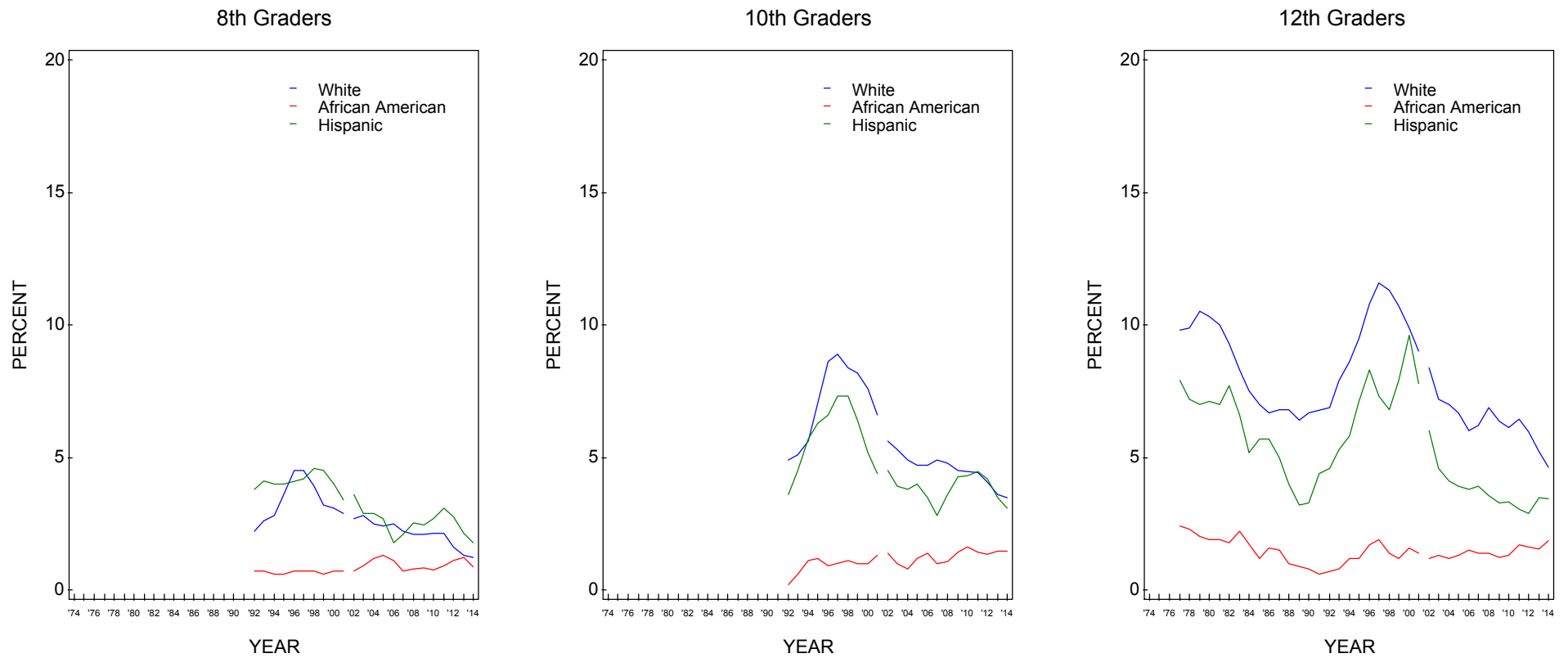
Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 54
Hallucinogens:* Trends in Annual Prevalence by Race/Ethnicity**



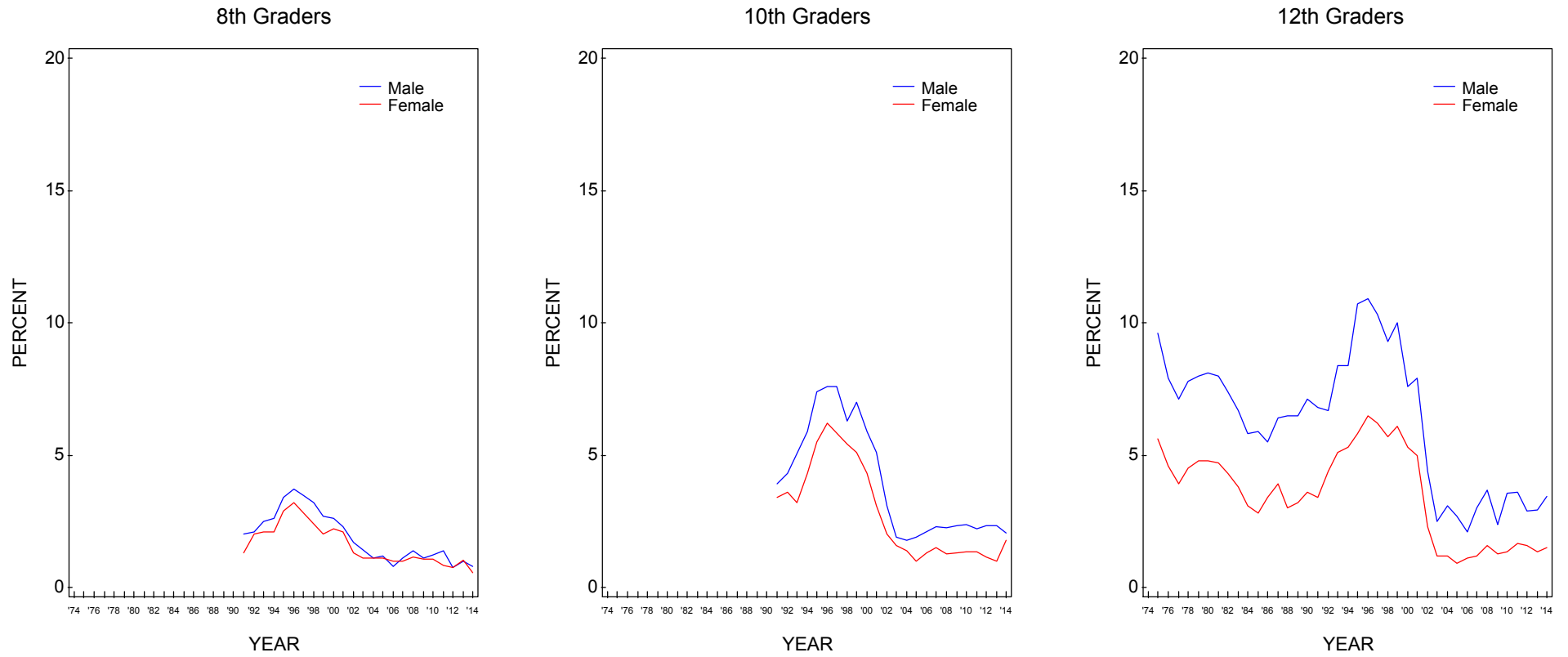
Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Data for hallucinogens are affected by these changes.

Refer to corresponding tables for further details.

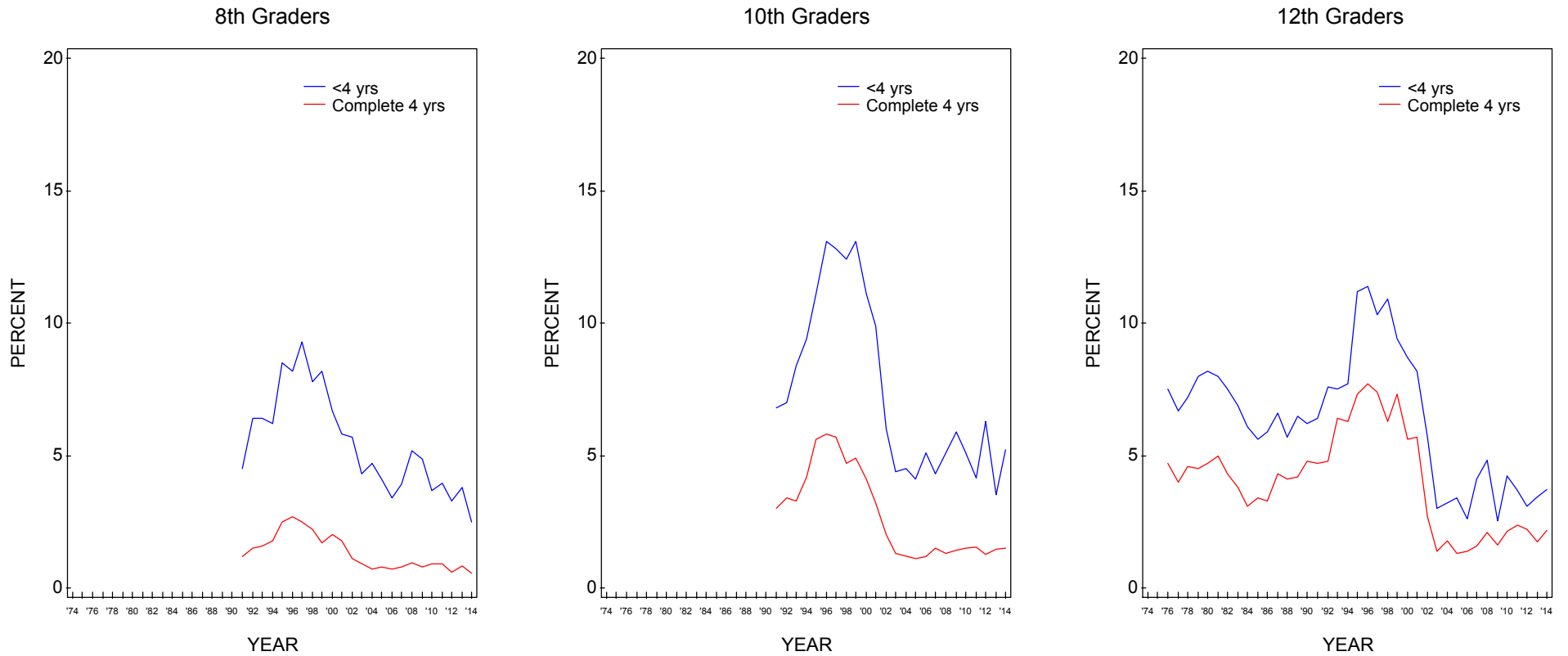
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 55
LSD: Trends in Annual Prevalence by Gender



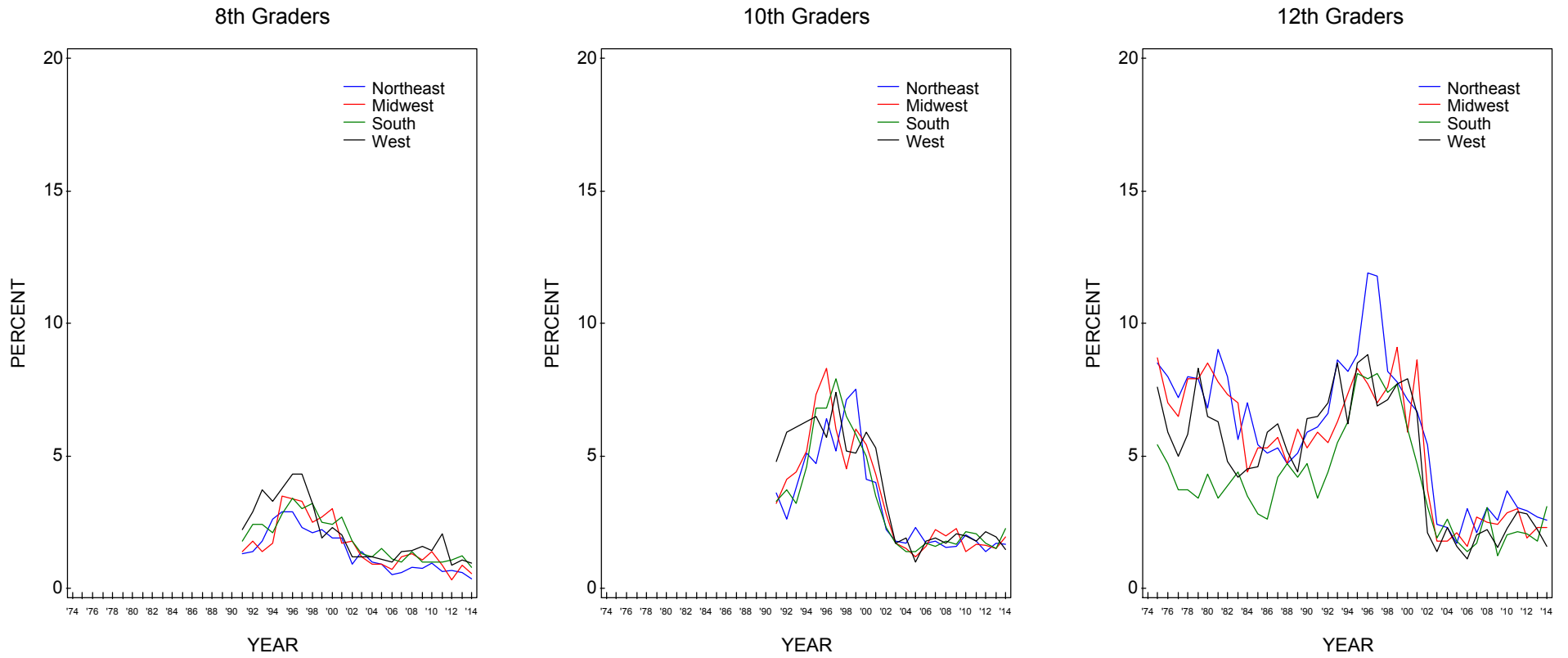
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 56
LSD: Trends in Annual Prevalence by College Plans



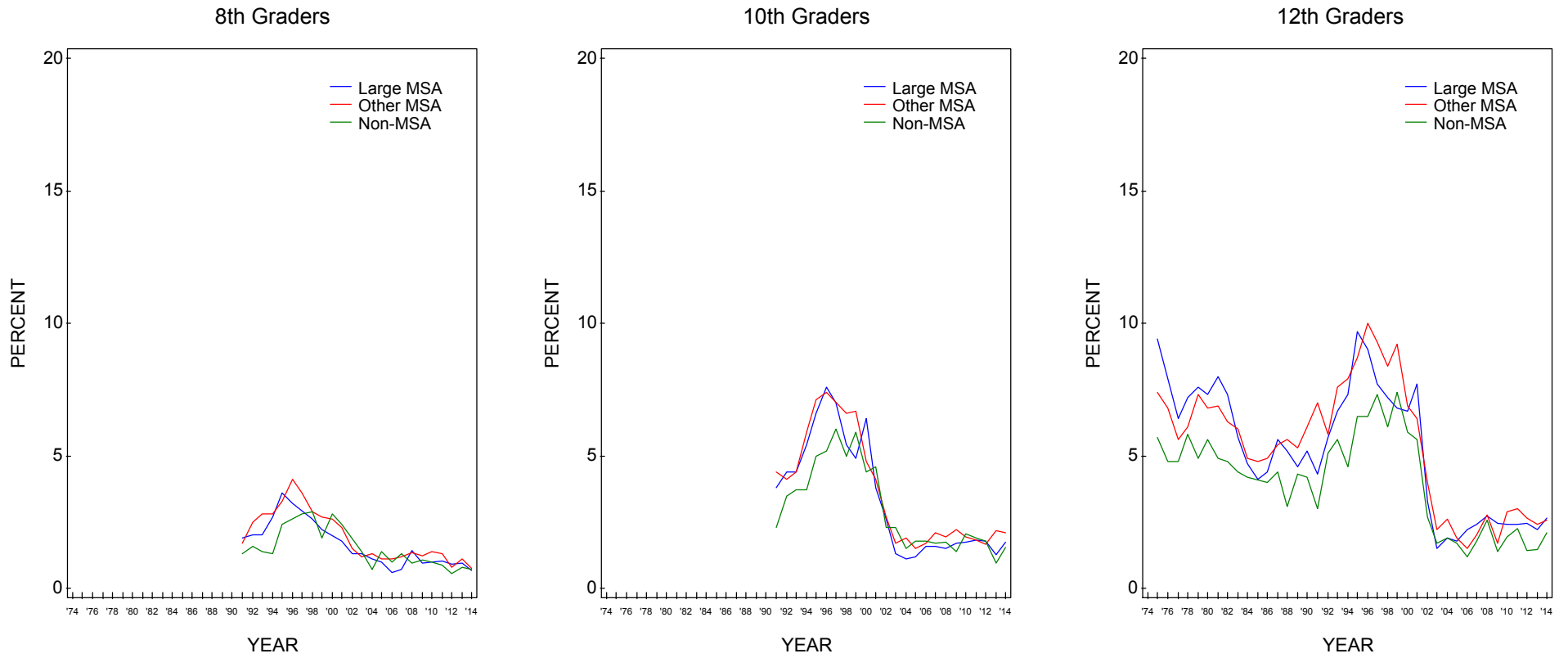
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 57
LSD: Trends in Annual Prevalence by Region



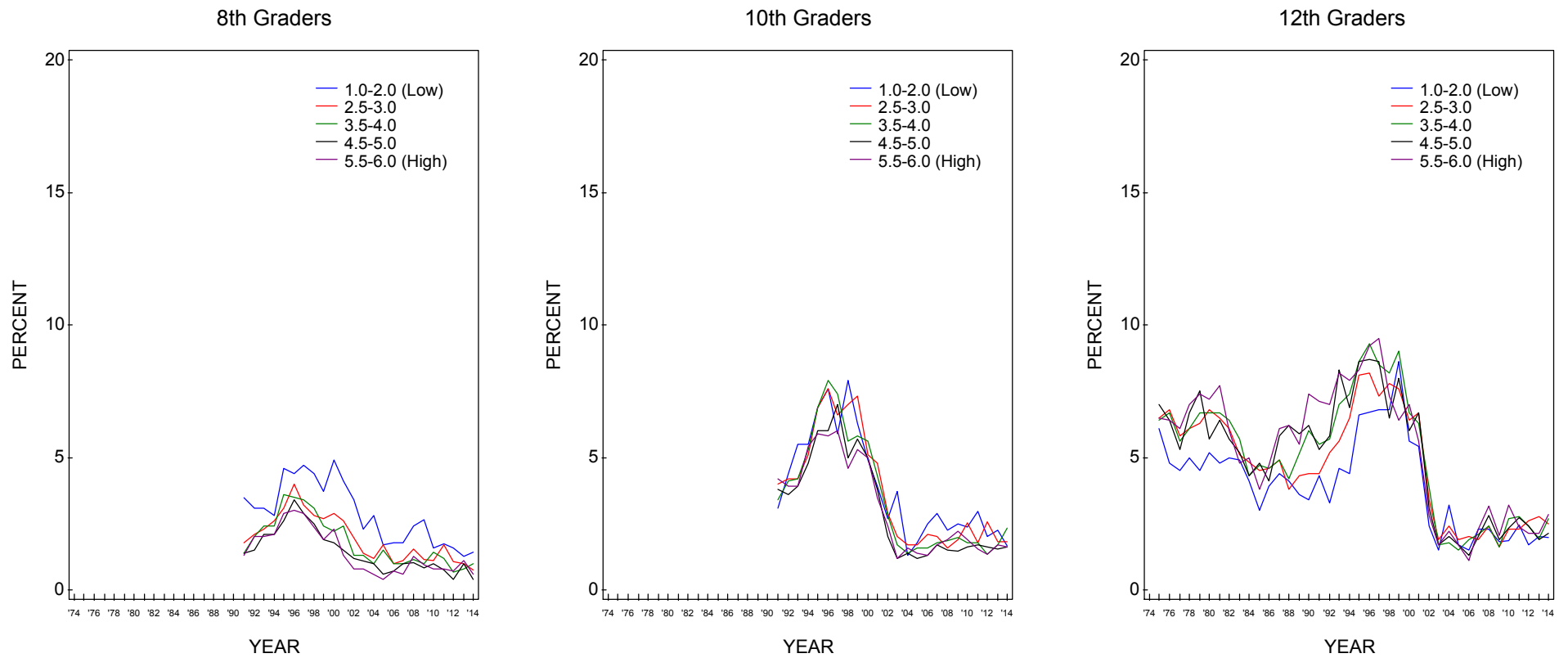
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 58
LSD: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

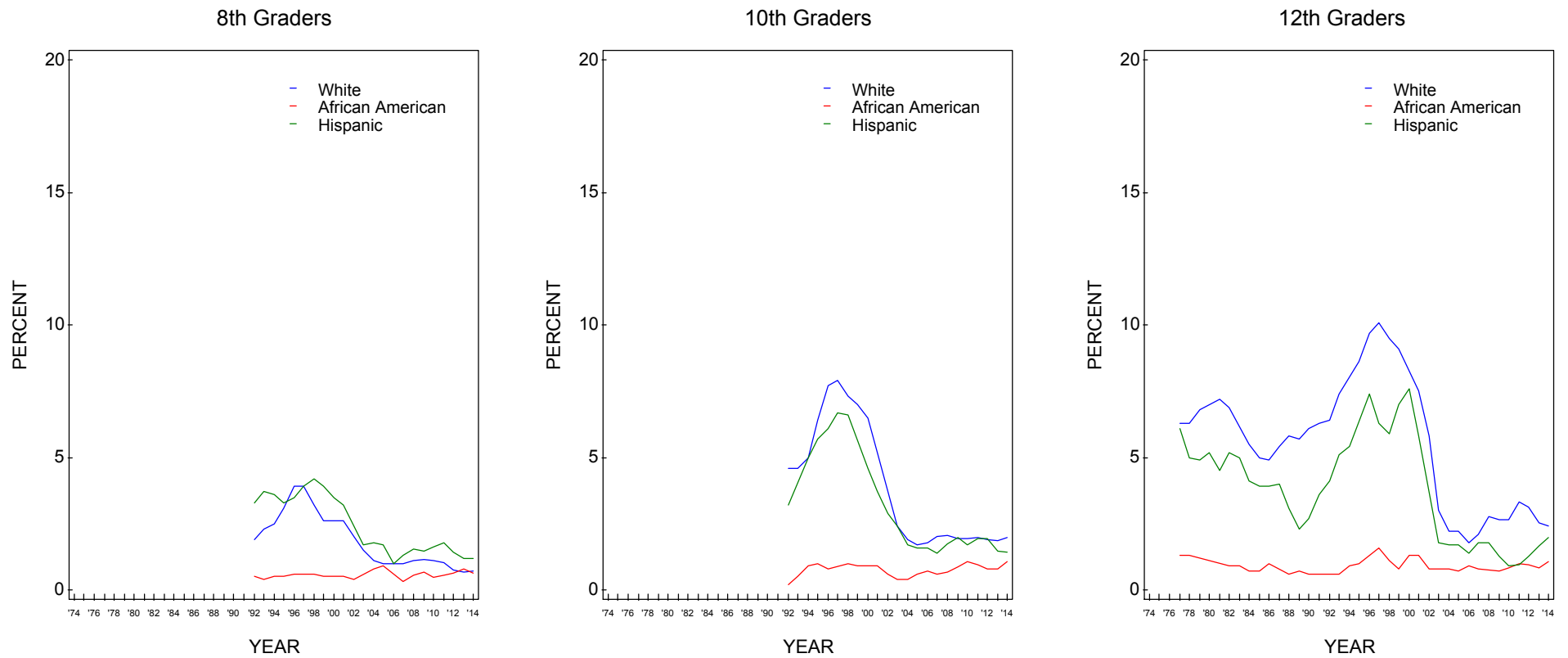
FIGURE 59
LSD: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

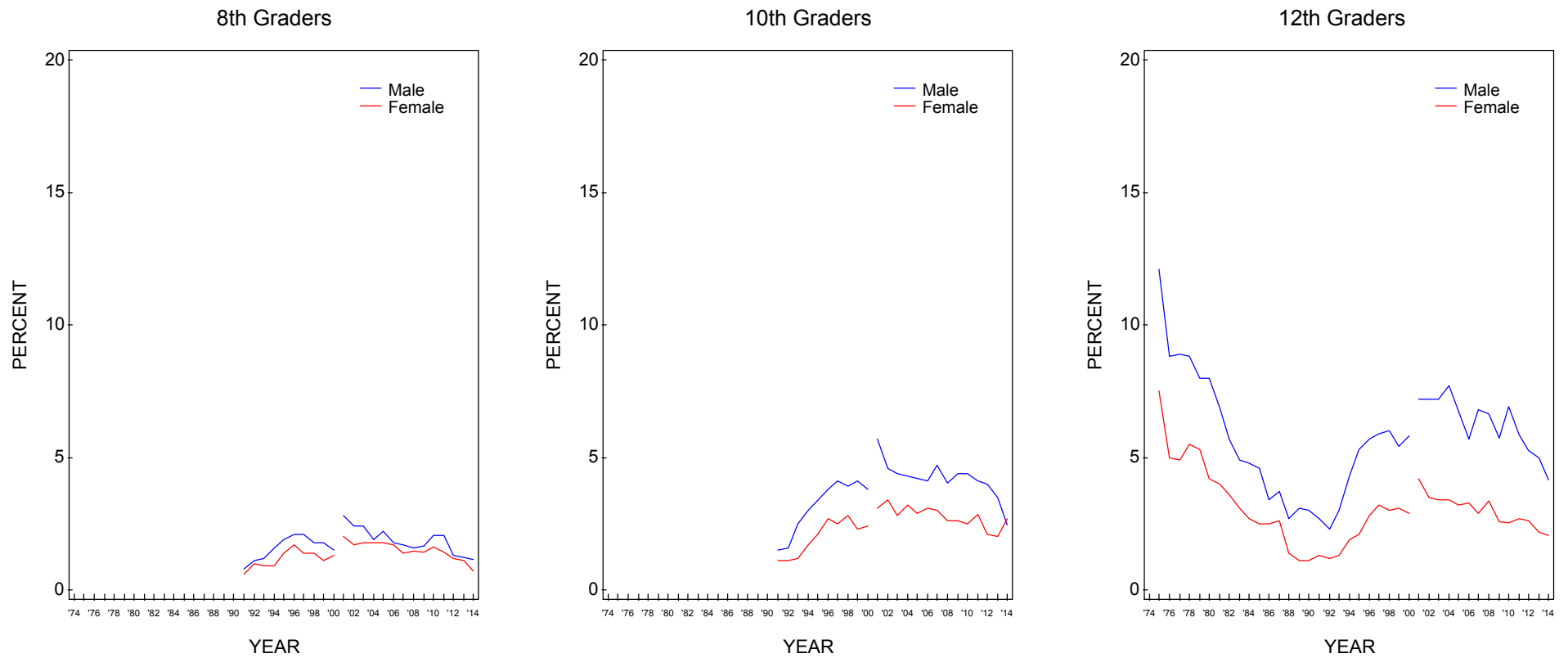
FIGURE 60
LSD: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

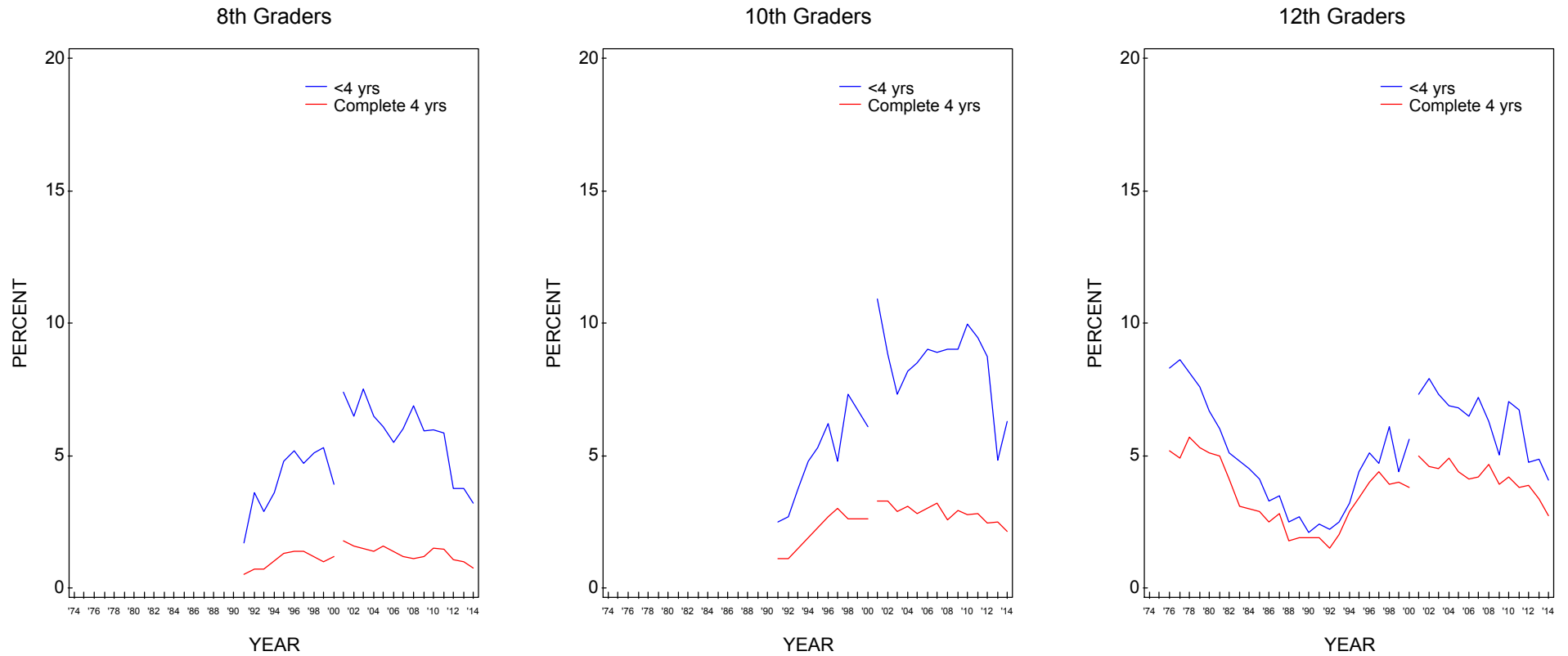
FIGURE 61
Hallucinogens other than LSD:* Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

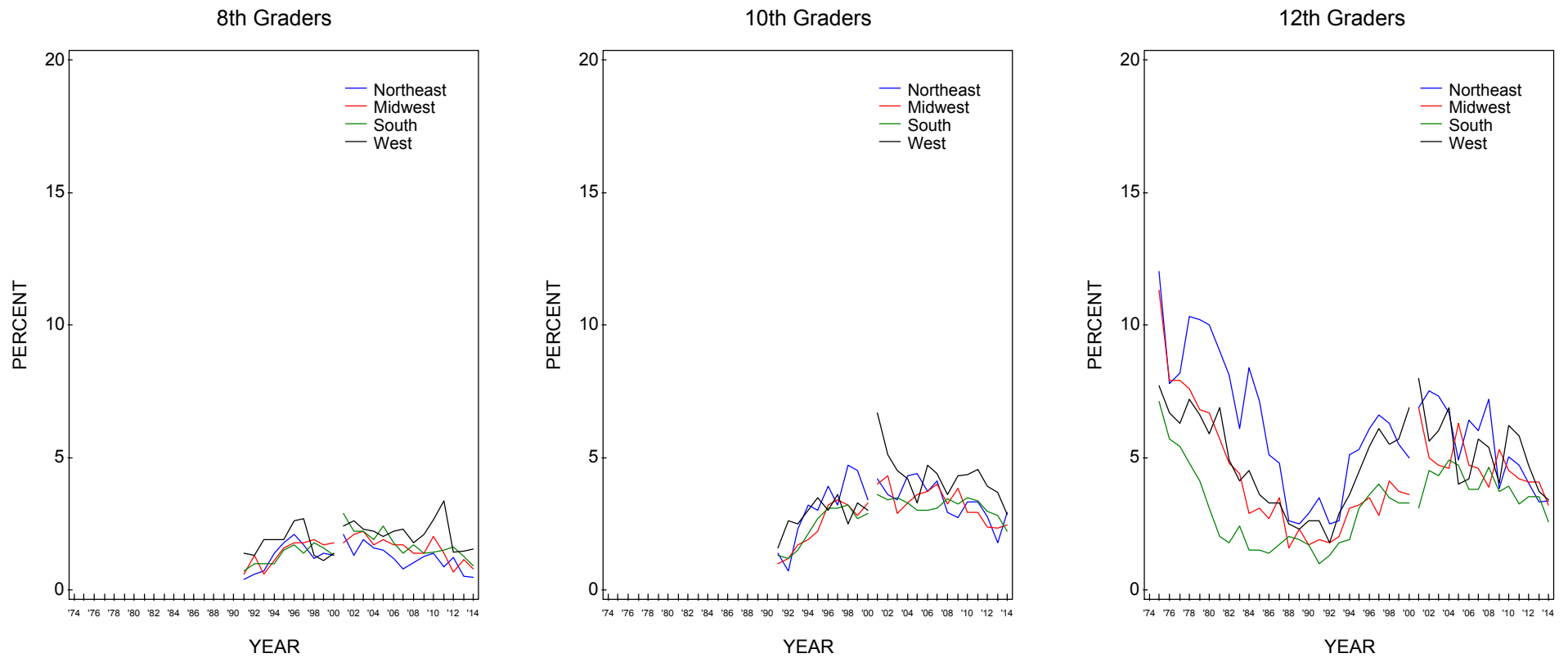
FIGURE 62
Hallucinogens other than LSD:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

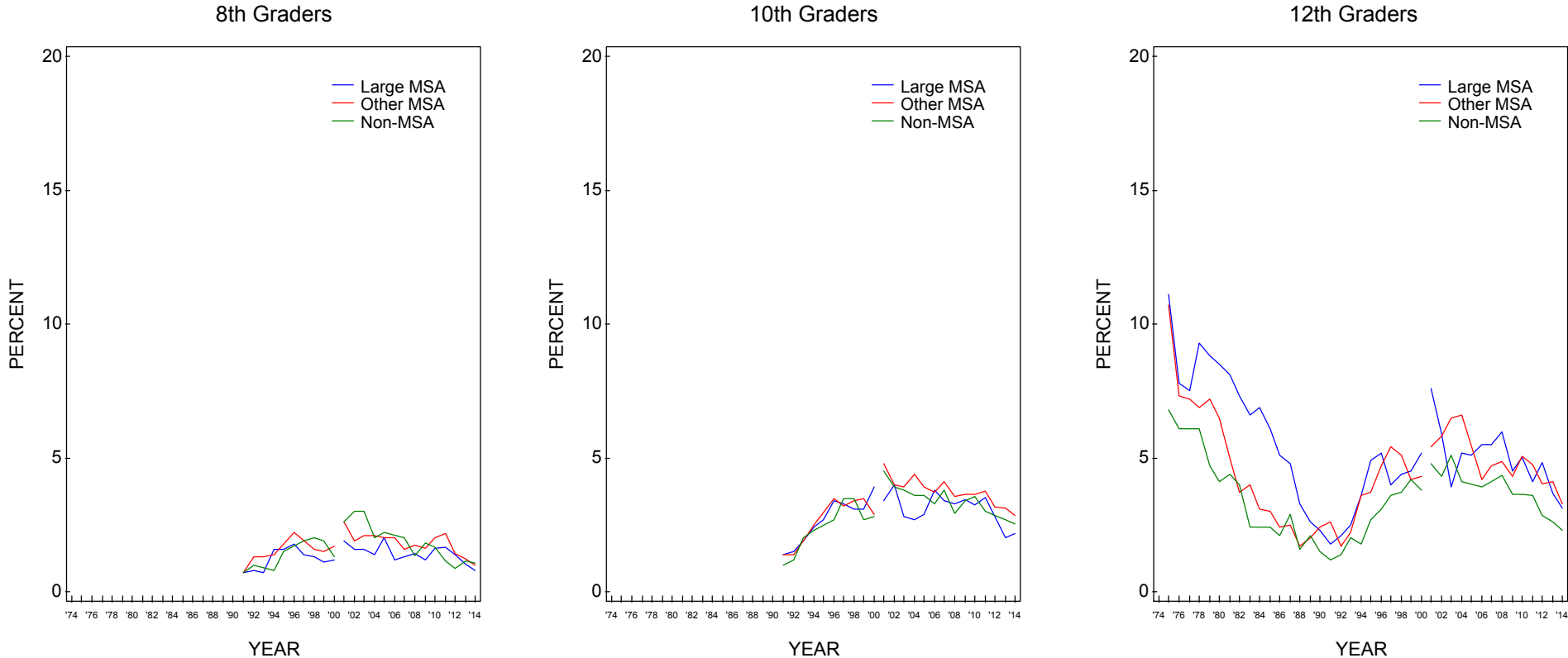
FIGURE 63
Hallucinogens other than LSD:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

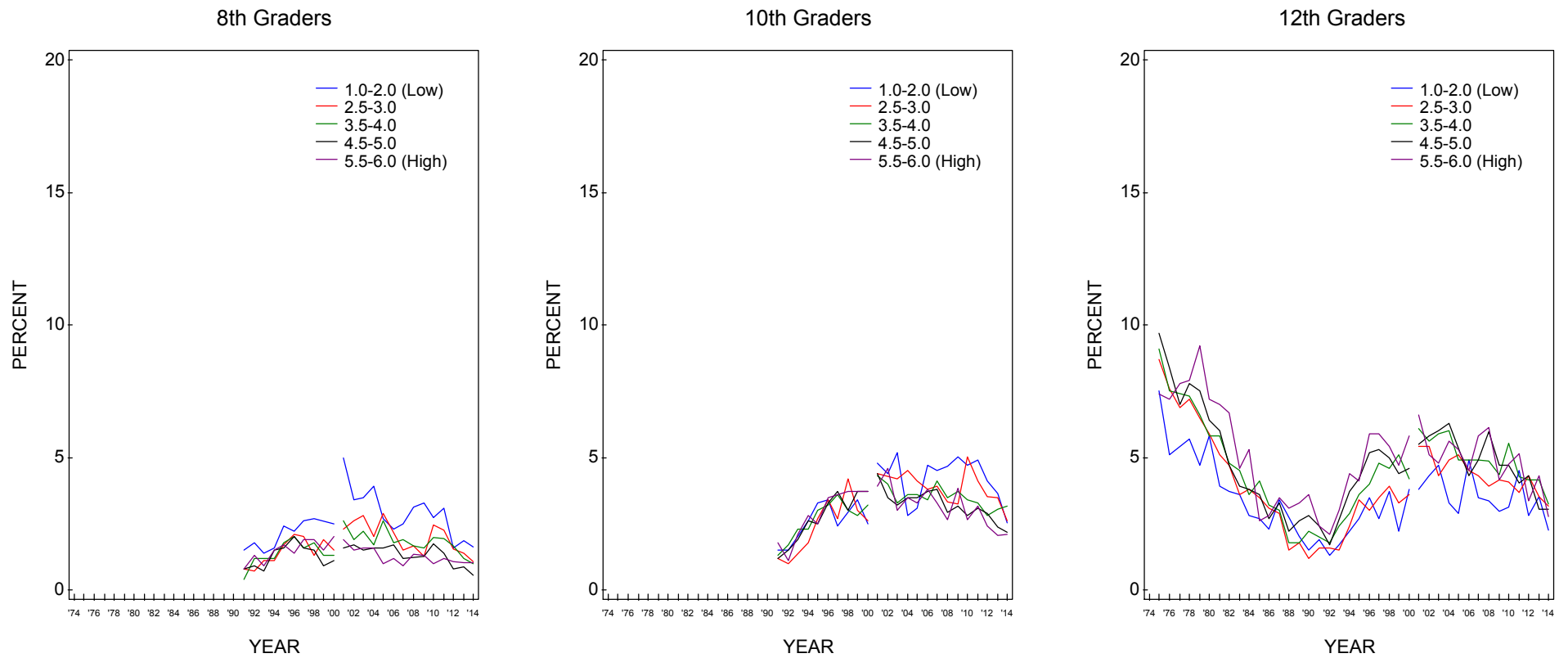
*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 64
Hallucinogens other than LSD:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

FIGURE 65
Hallucinogens other than LSD:* Trends in Annual Prevalence by Average Education Level of Parents**

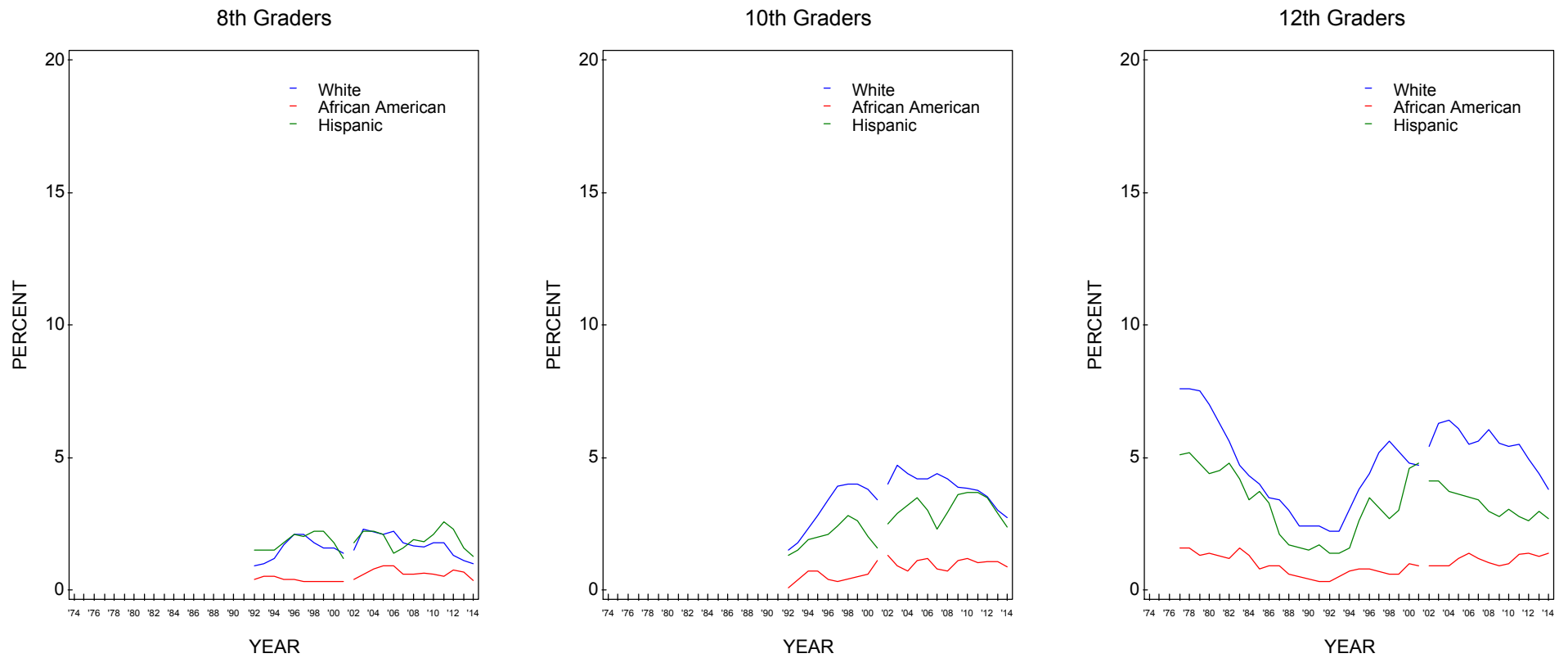


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 66
Hallucinogens other than LSD:* Trends in Annual Prevalence by Race/Ethnicity**

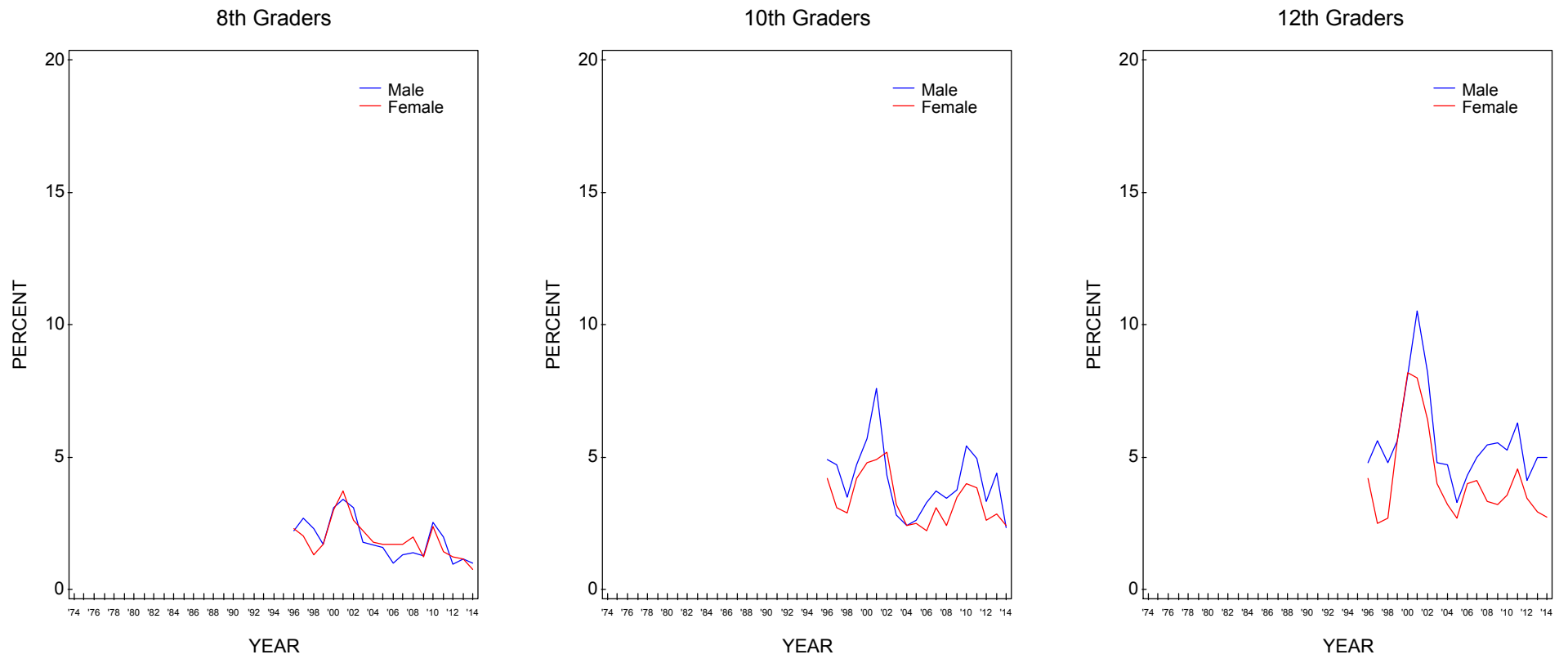


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on other hallucinogen use was introduced. Refer to corresponding tables for further details.

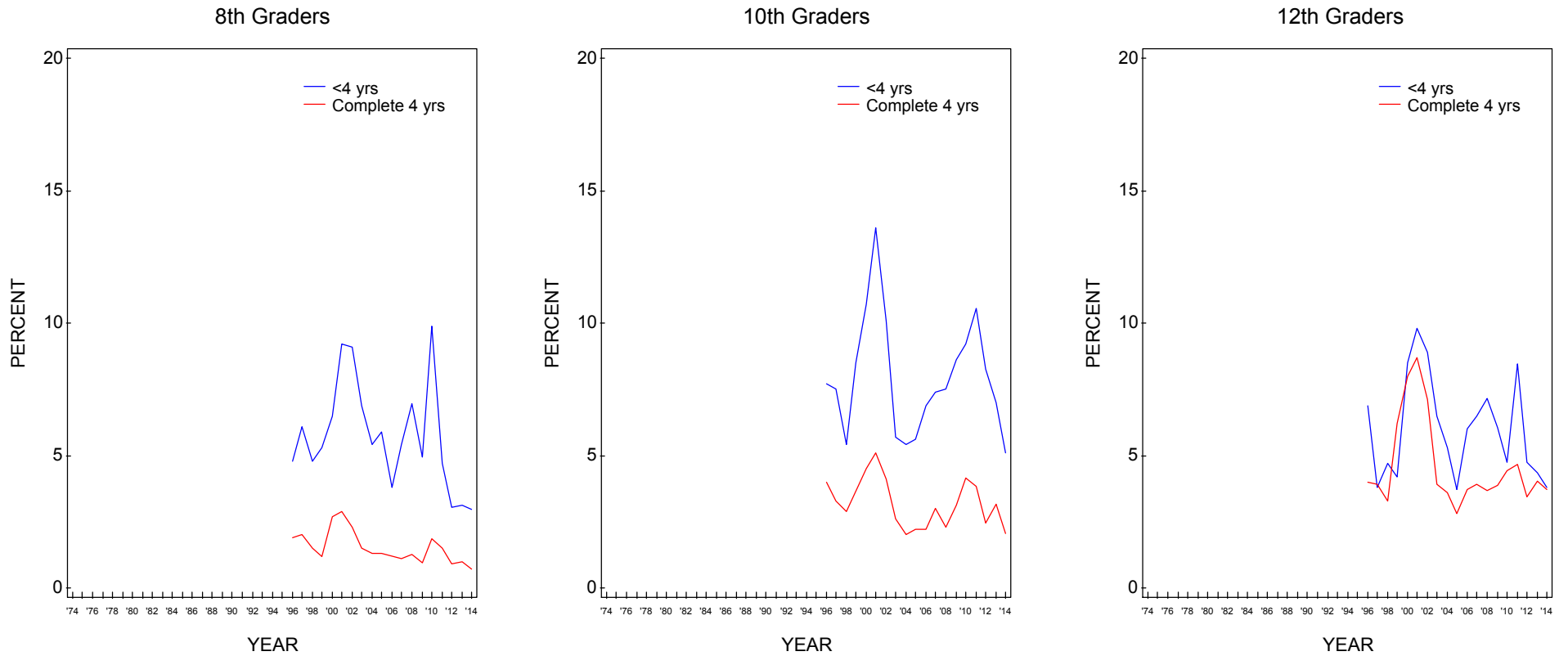
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 67
Ecstasy (MDMA): Trends in Annual Prevalence by Gender



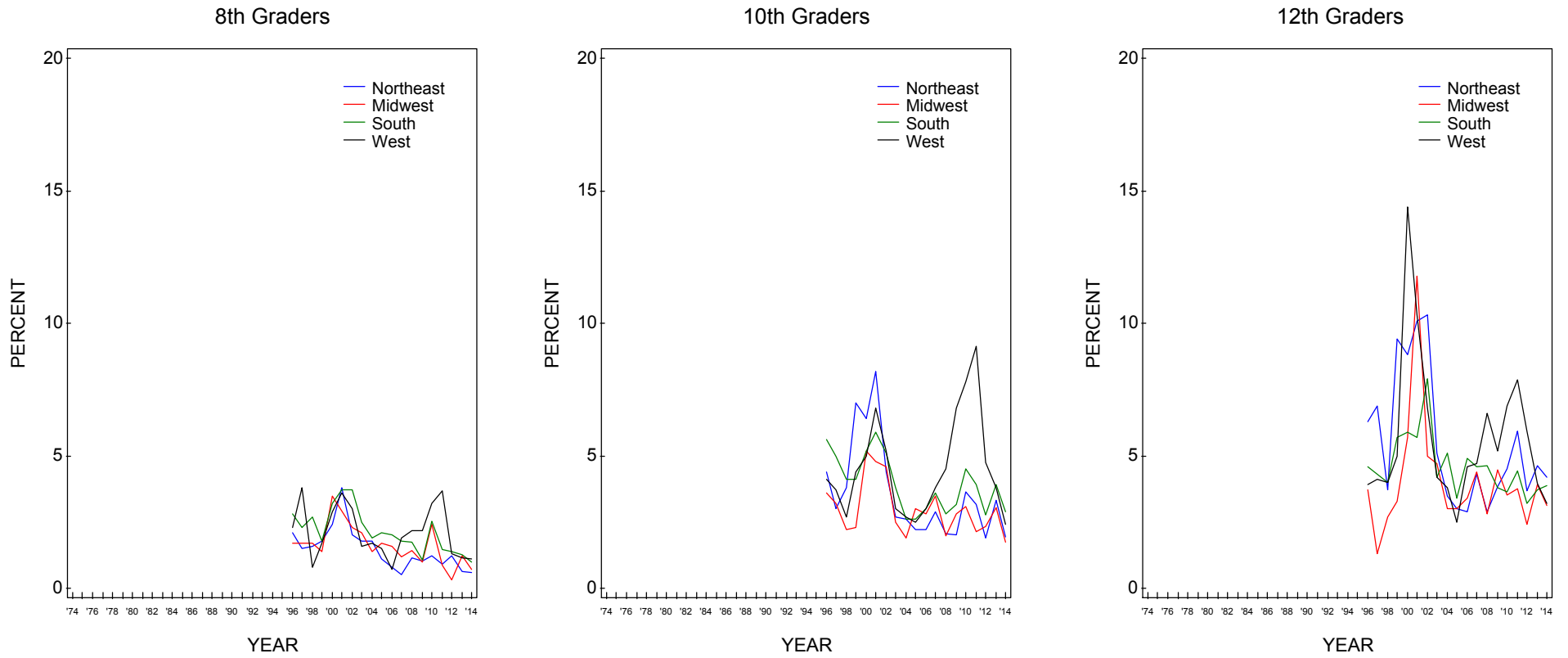
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 68
Ecstasy (MDMA): Trends in Annual Prevalence by College Plans



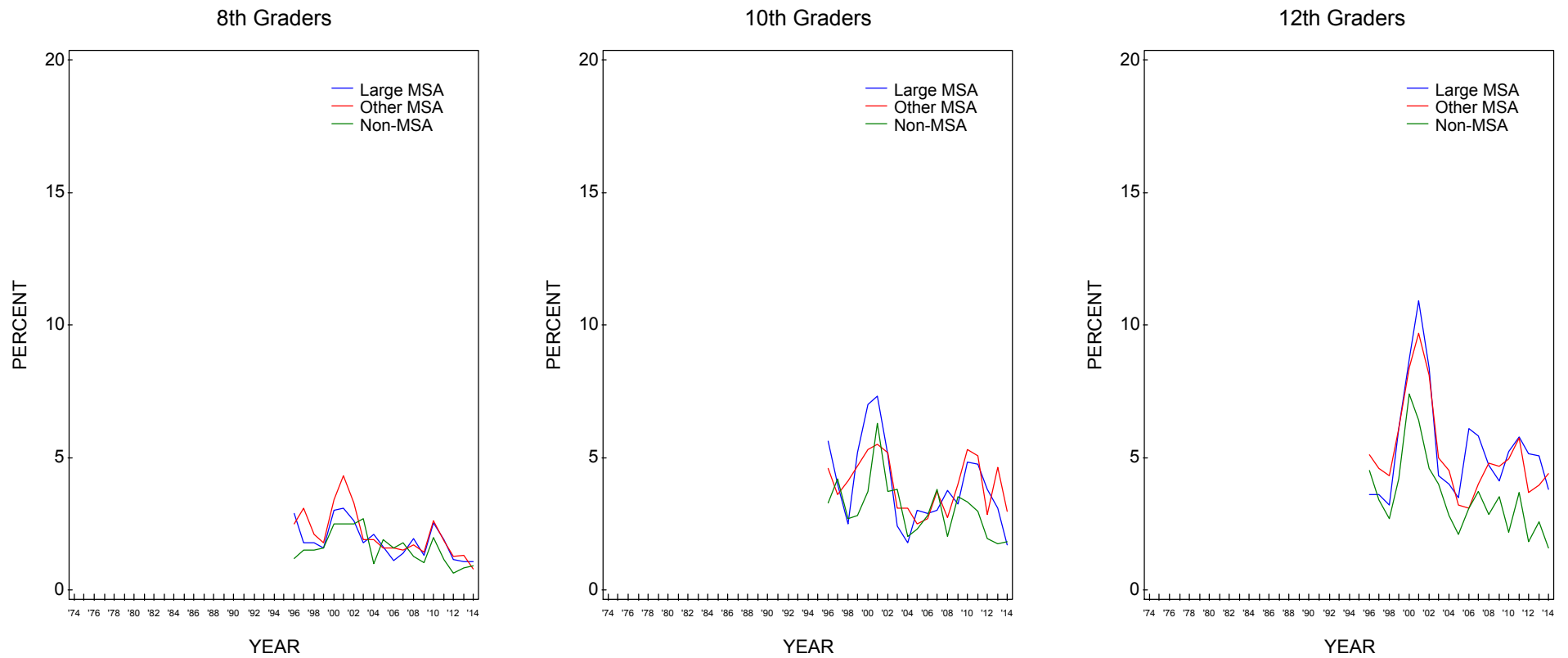
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 69
Ecstasy (MDMA): Trends in Annual Prevalence by Region



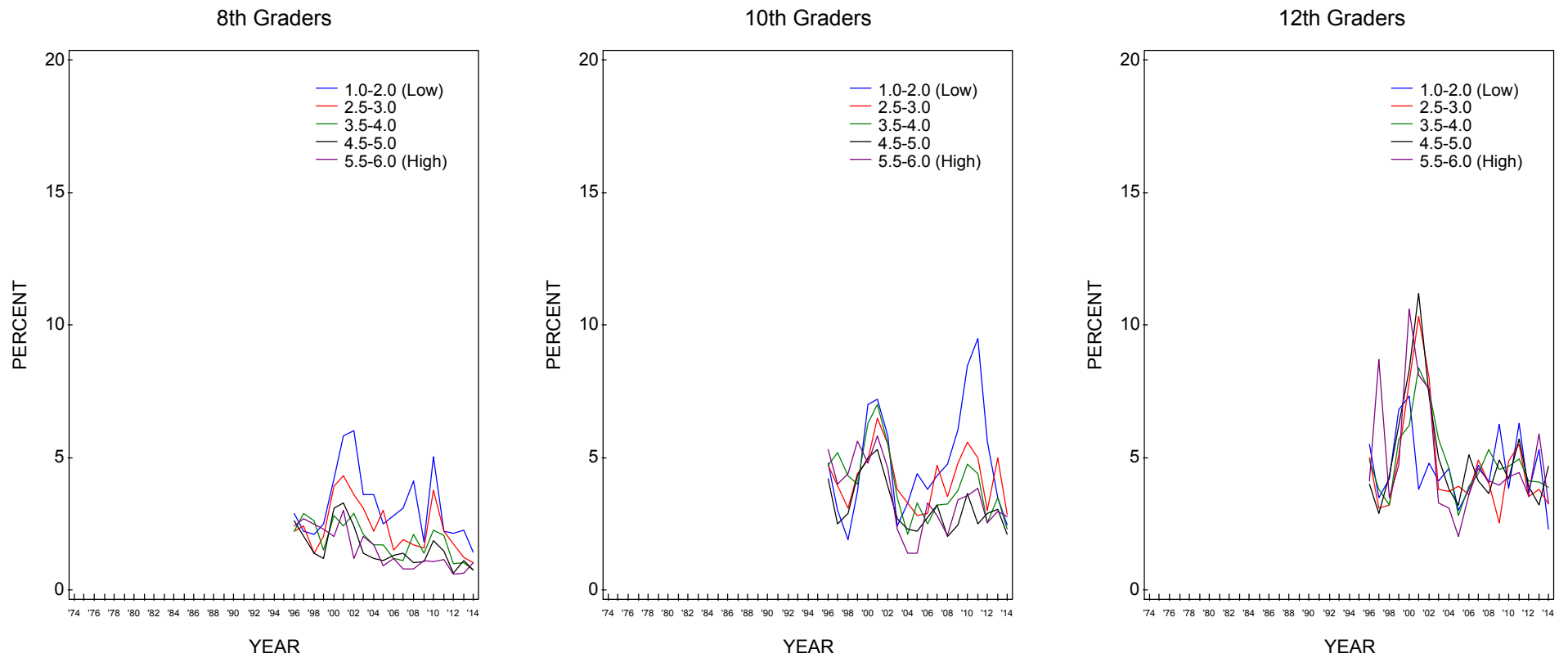
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 70
Ecstasy (MDMA): Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

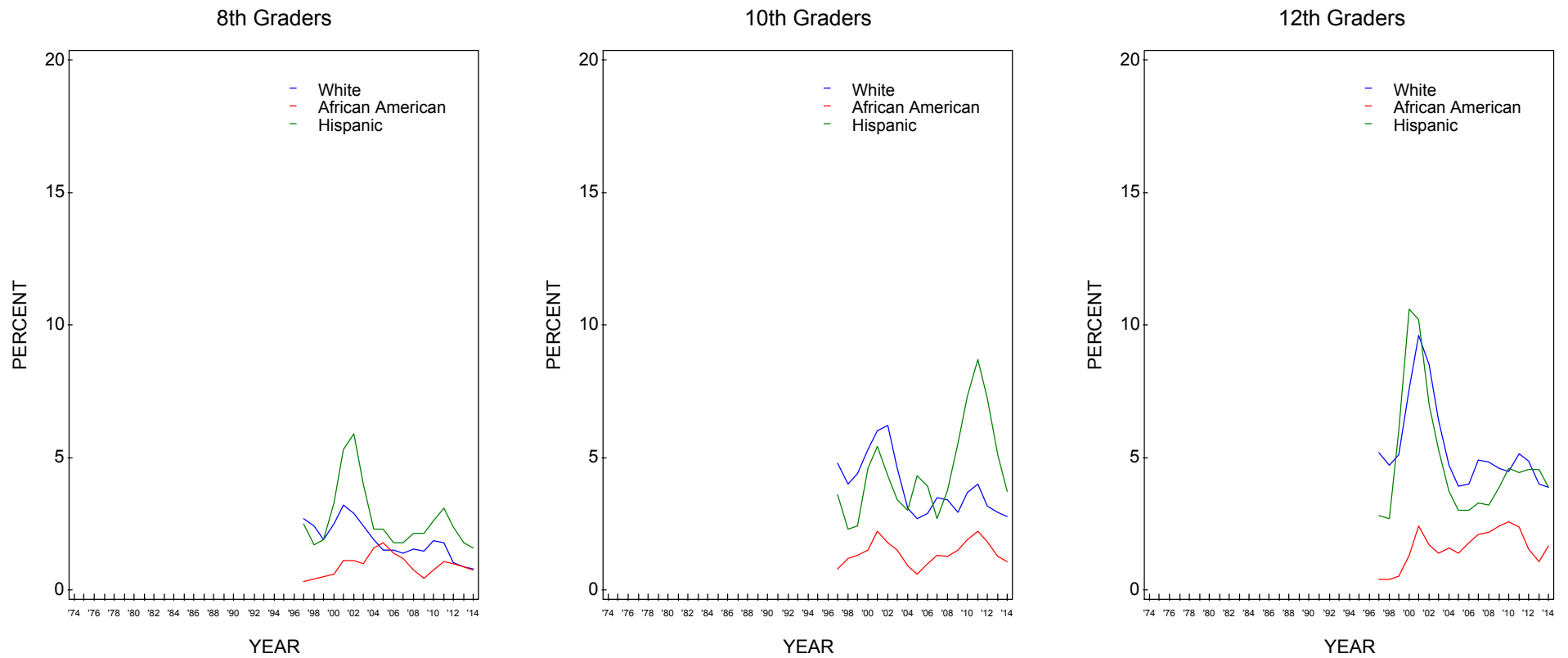
FIGURE 71
Ecstasy (MDMA): Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

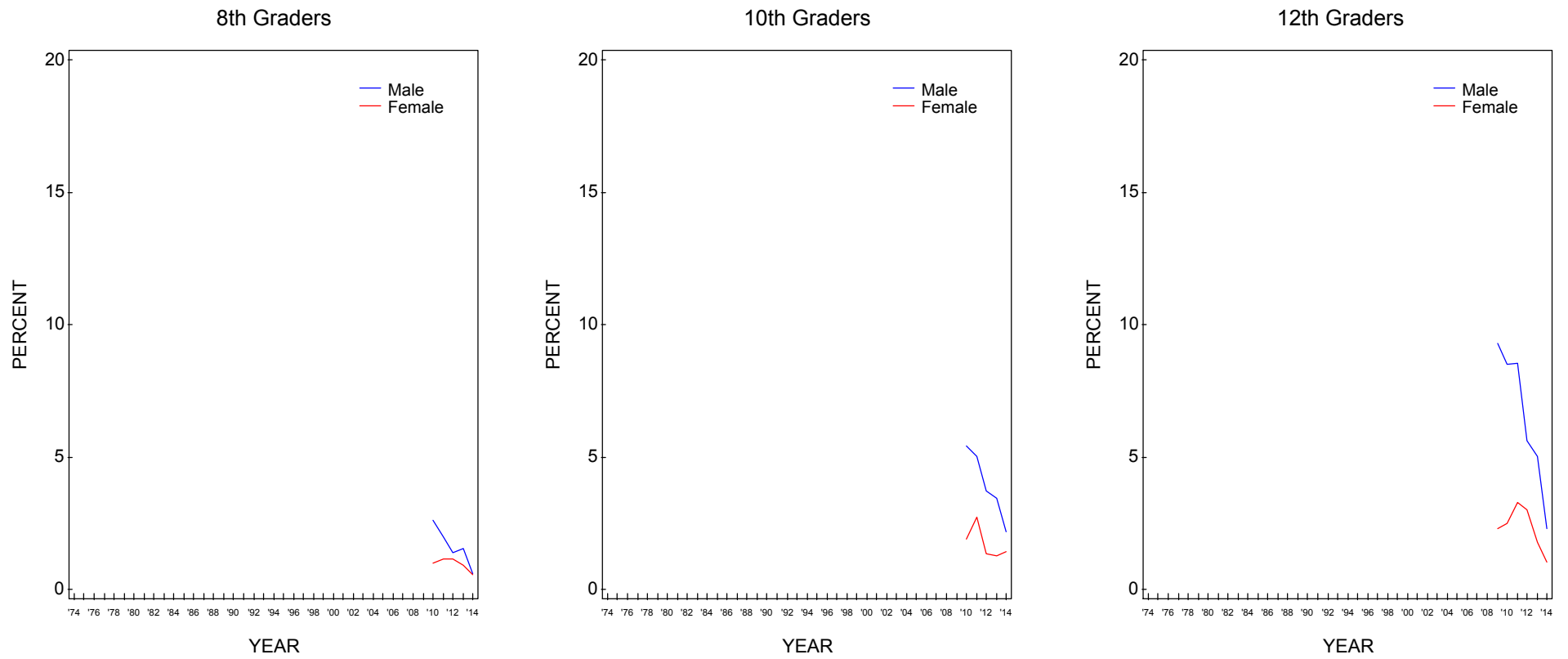
FIGURE 72
Ecstasy (MDMA): Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

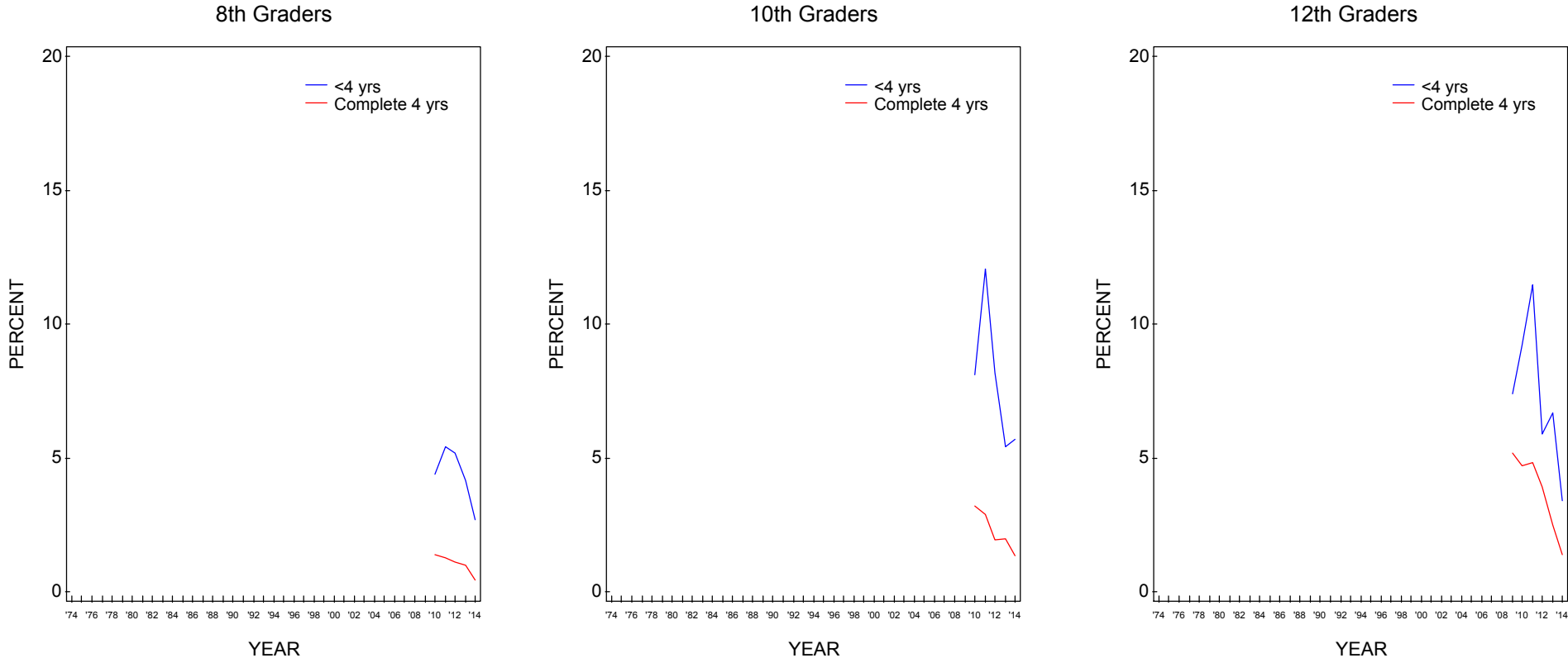
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 73
Salvia: Trends in Annual Prevalence by Gender



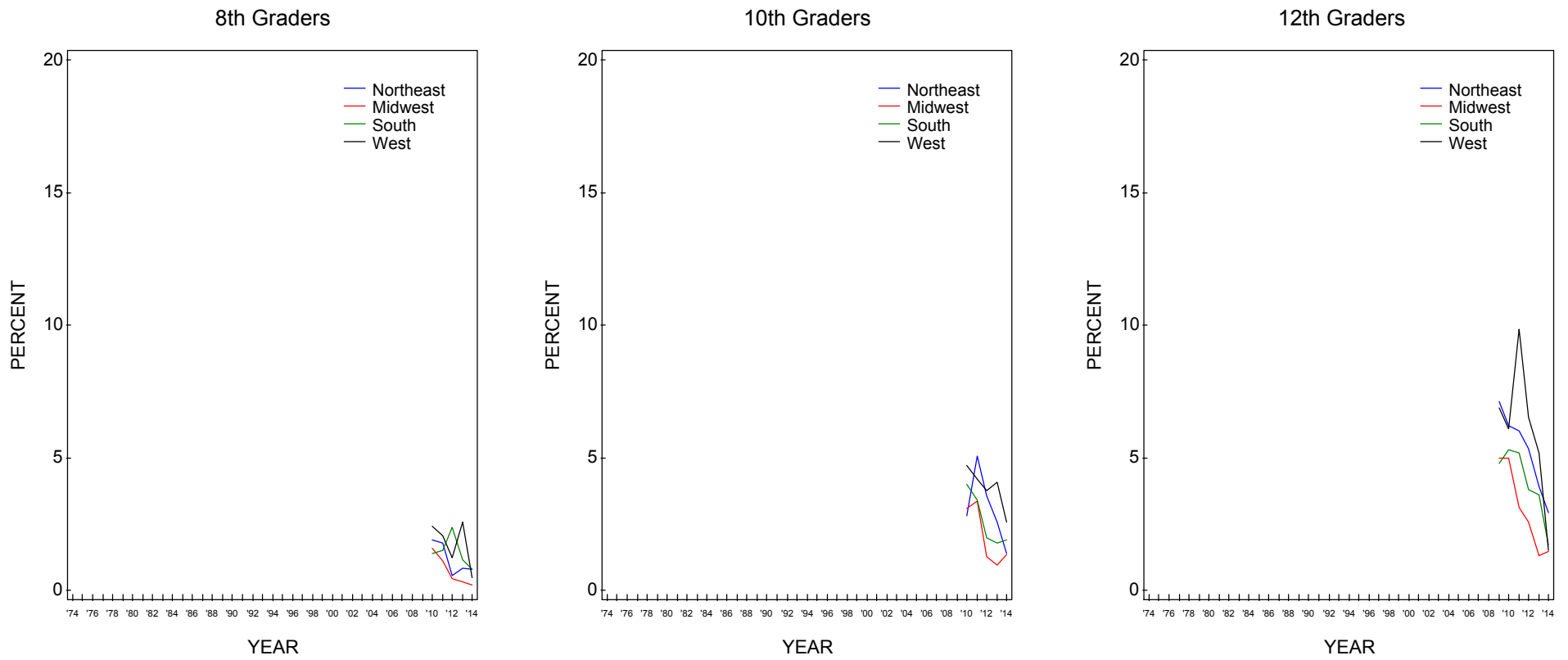
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 74
Salvia: Trends in Annual Prevalence by College Plans



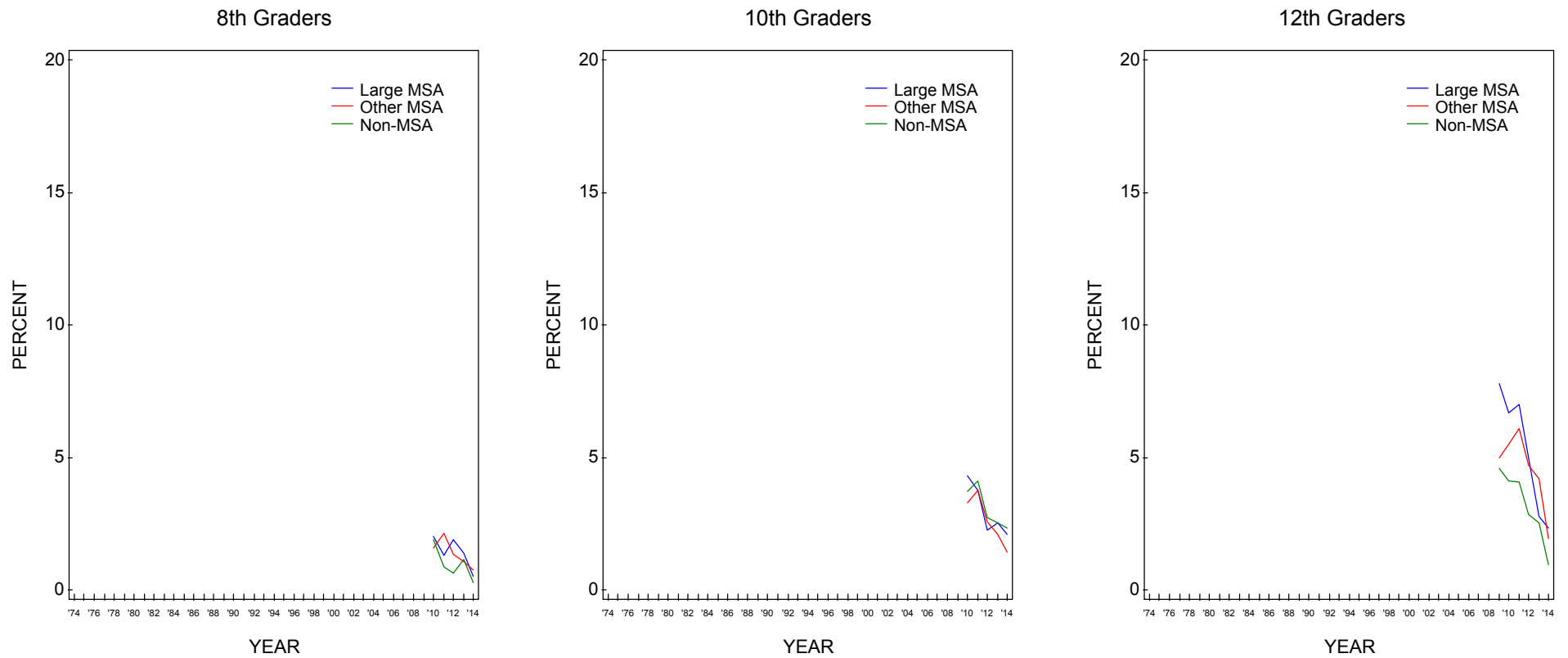
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 75
Salvia: Trends in Annual Prevalence by Region



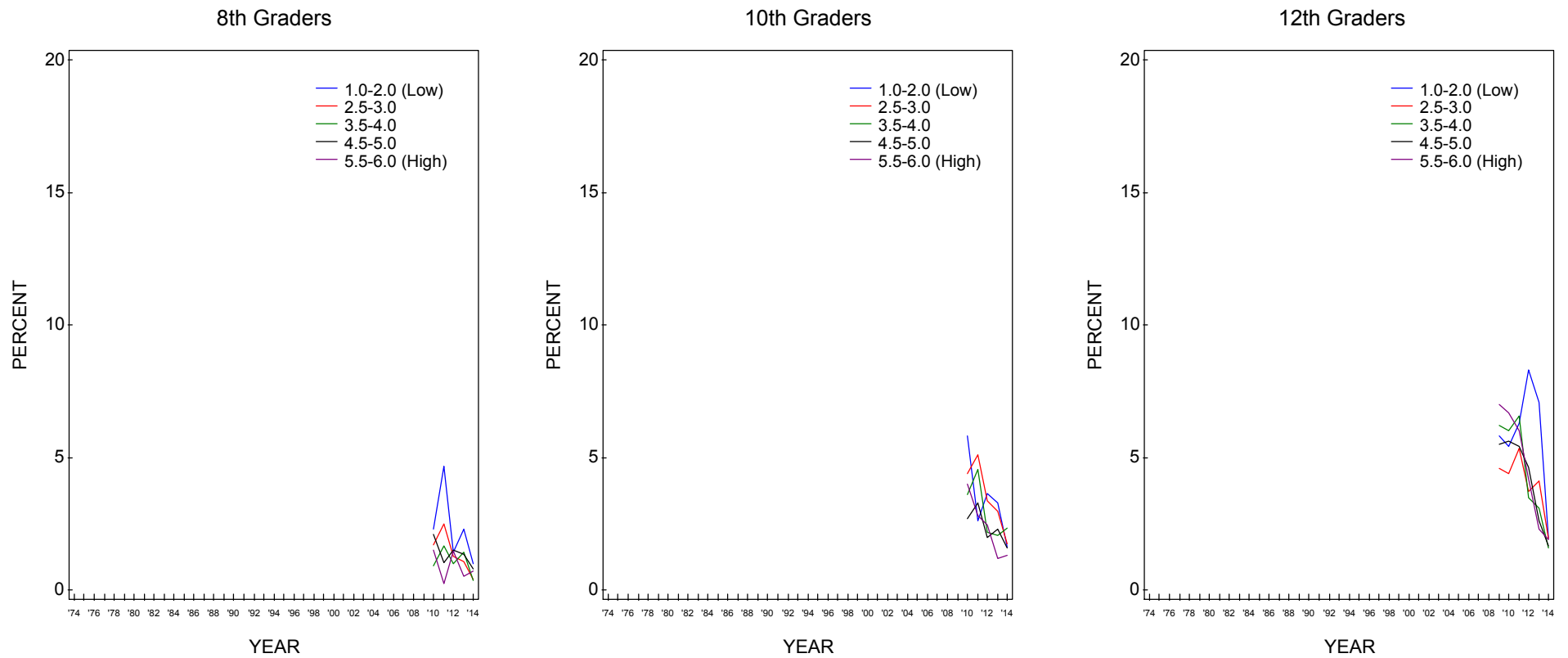
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 76
Salvia: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

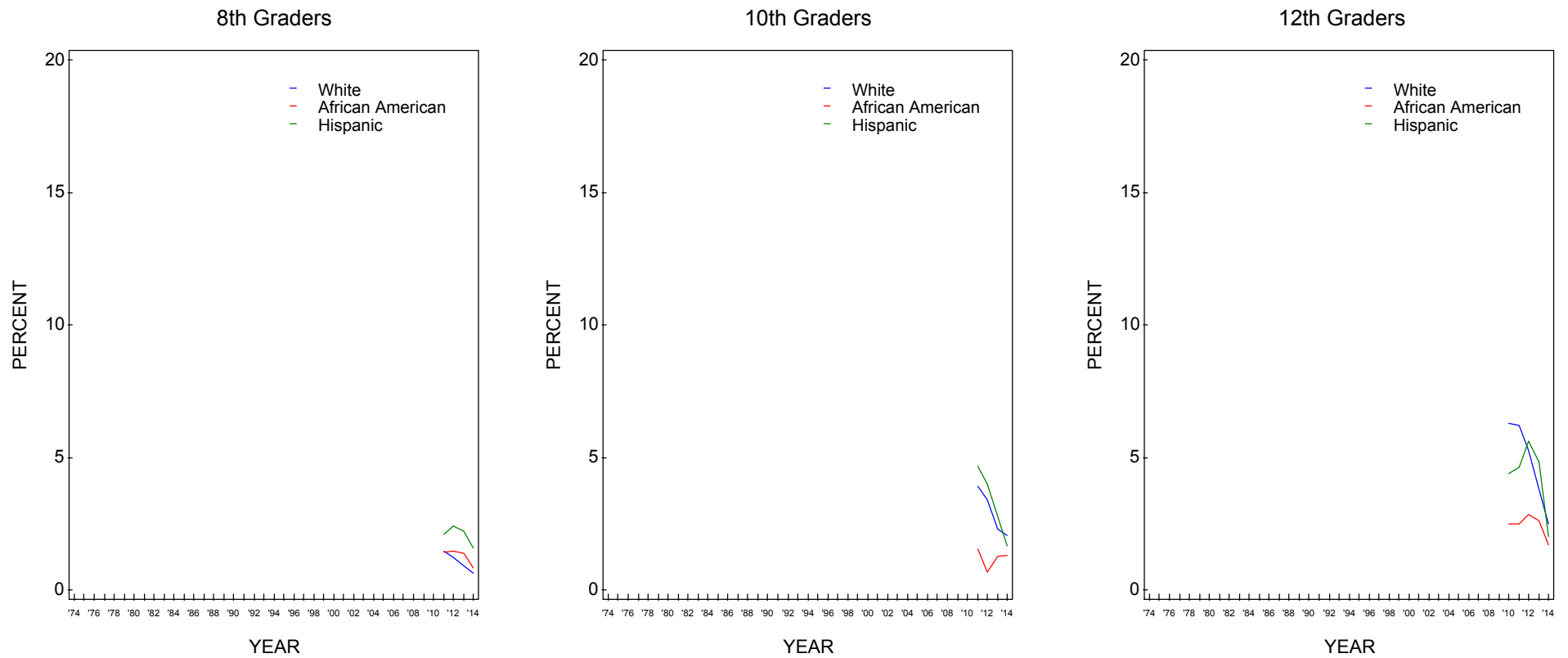
FIGURE 77
Salvia: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

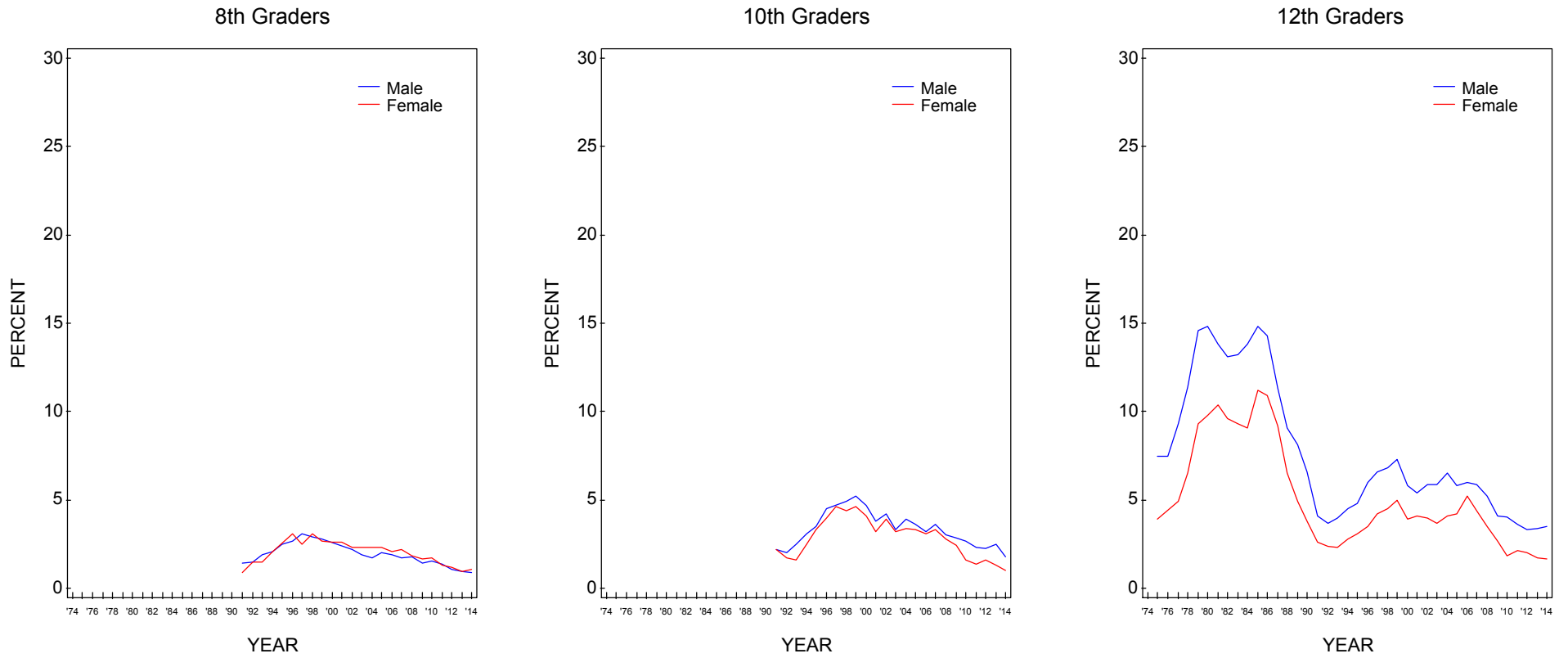
FIGURE 78
Salvia: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

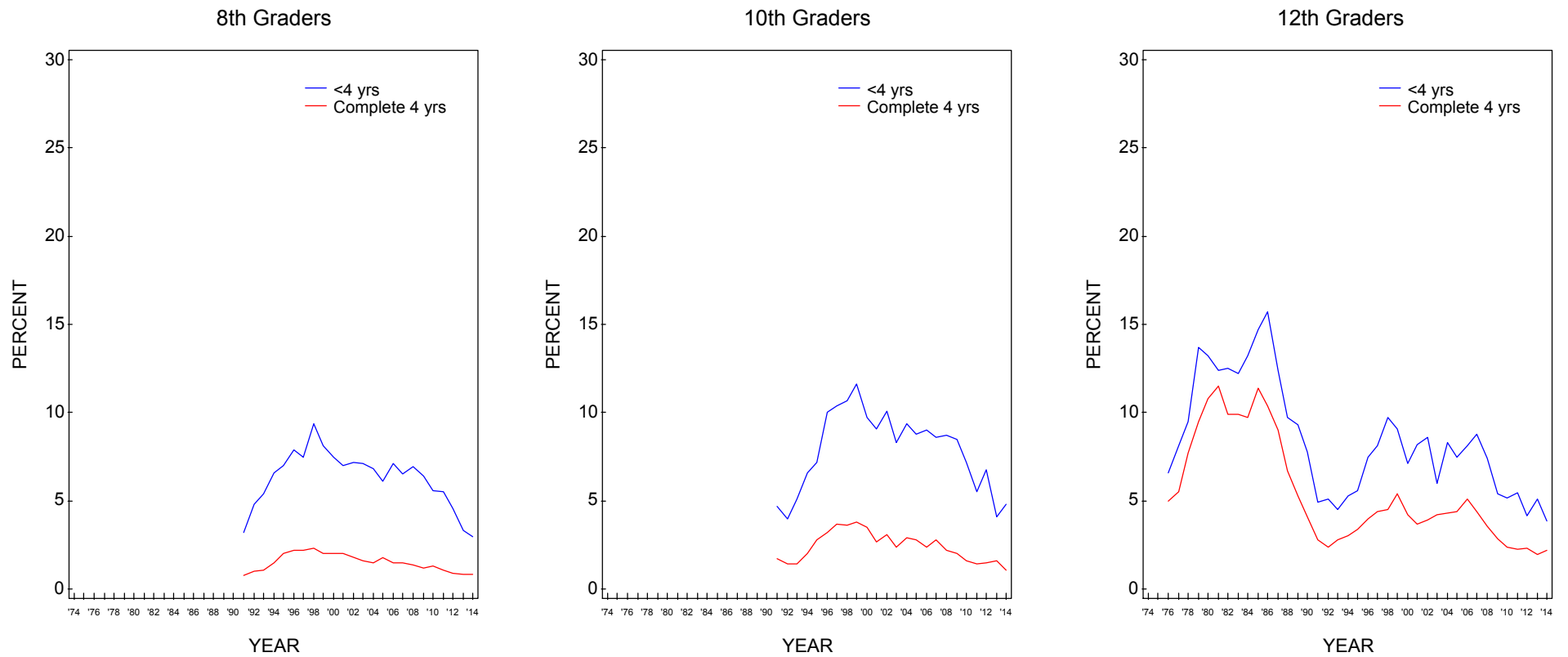
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 79
Cocaine: Trends in Annual Prevalence by Gender



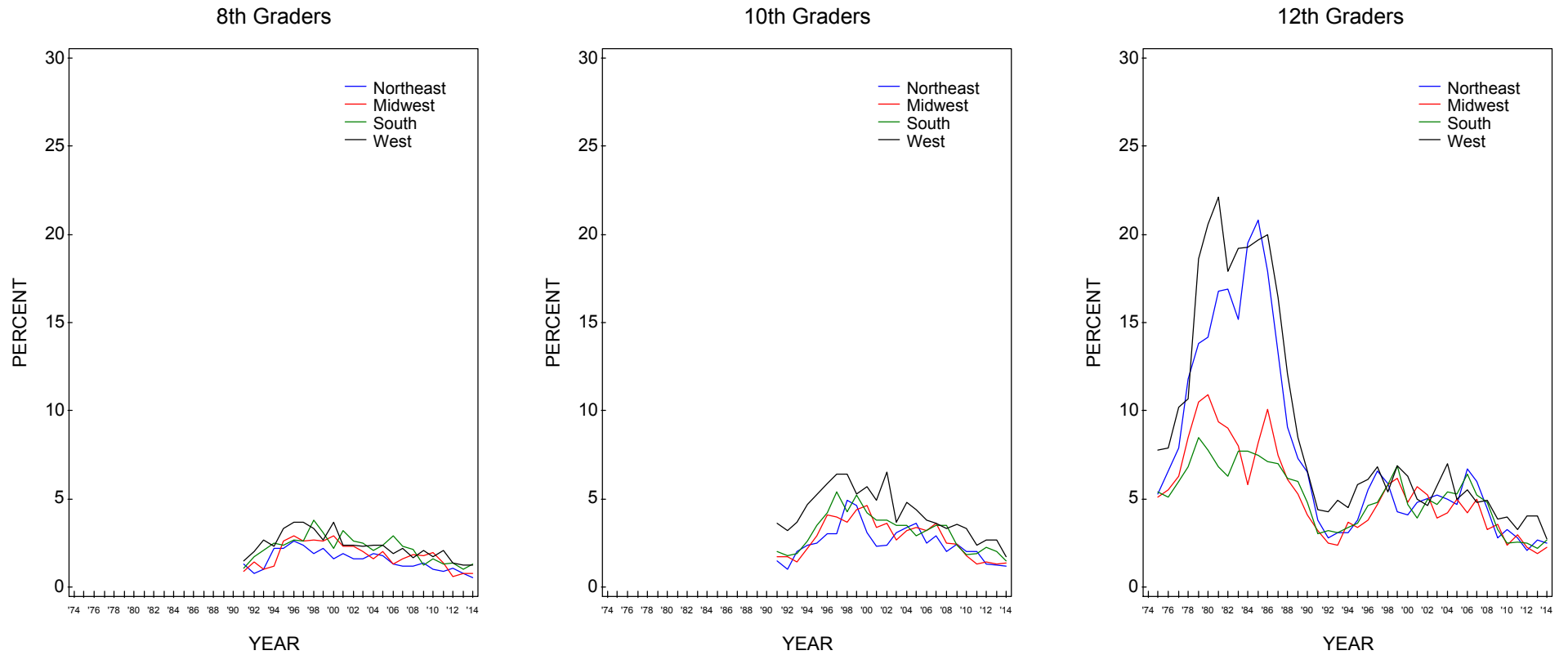
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 80
Cocaine: Trends in Annual Prevalence by College Plans



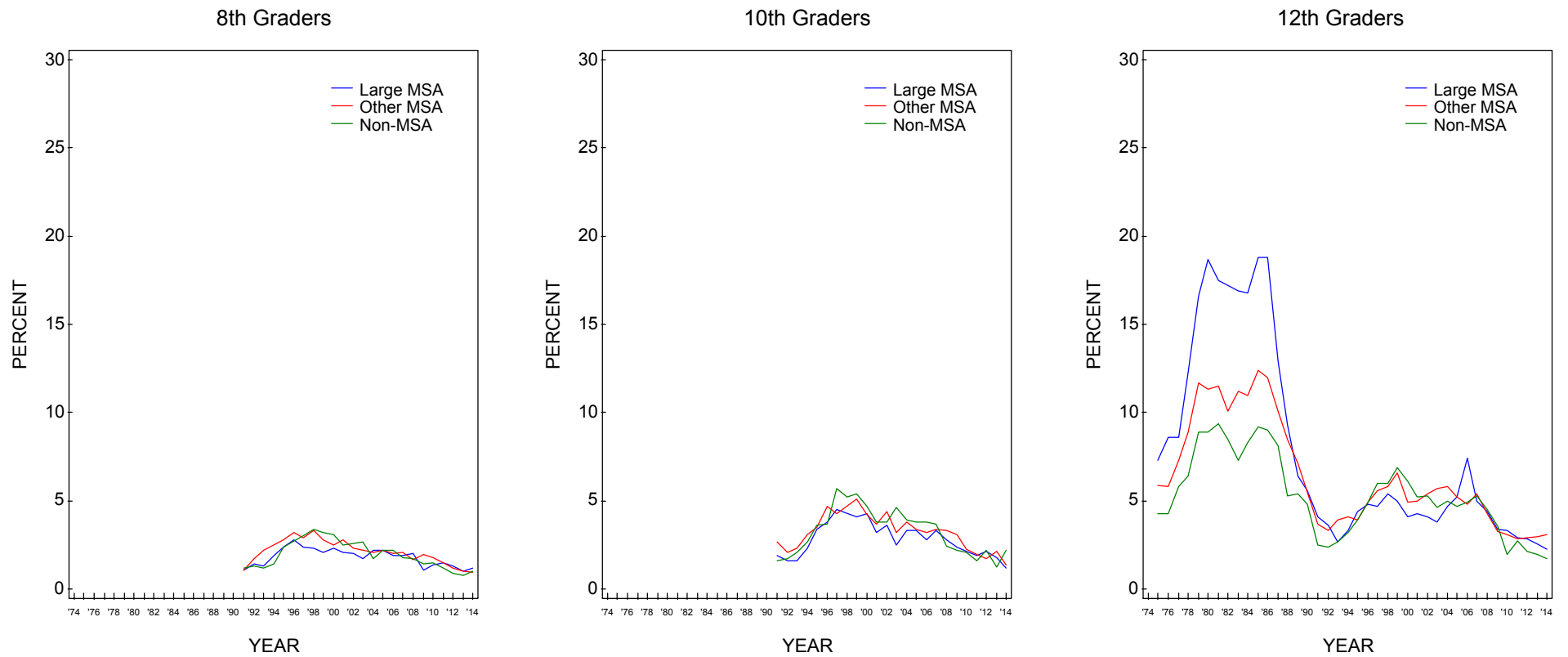
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 81
Cocaine: Trends in Annual Prevalence by Region



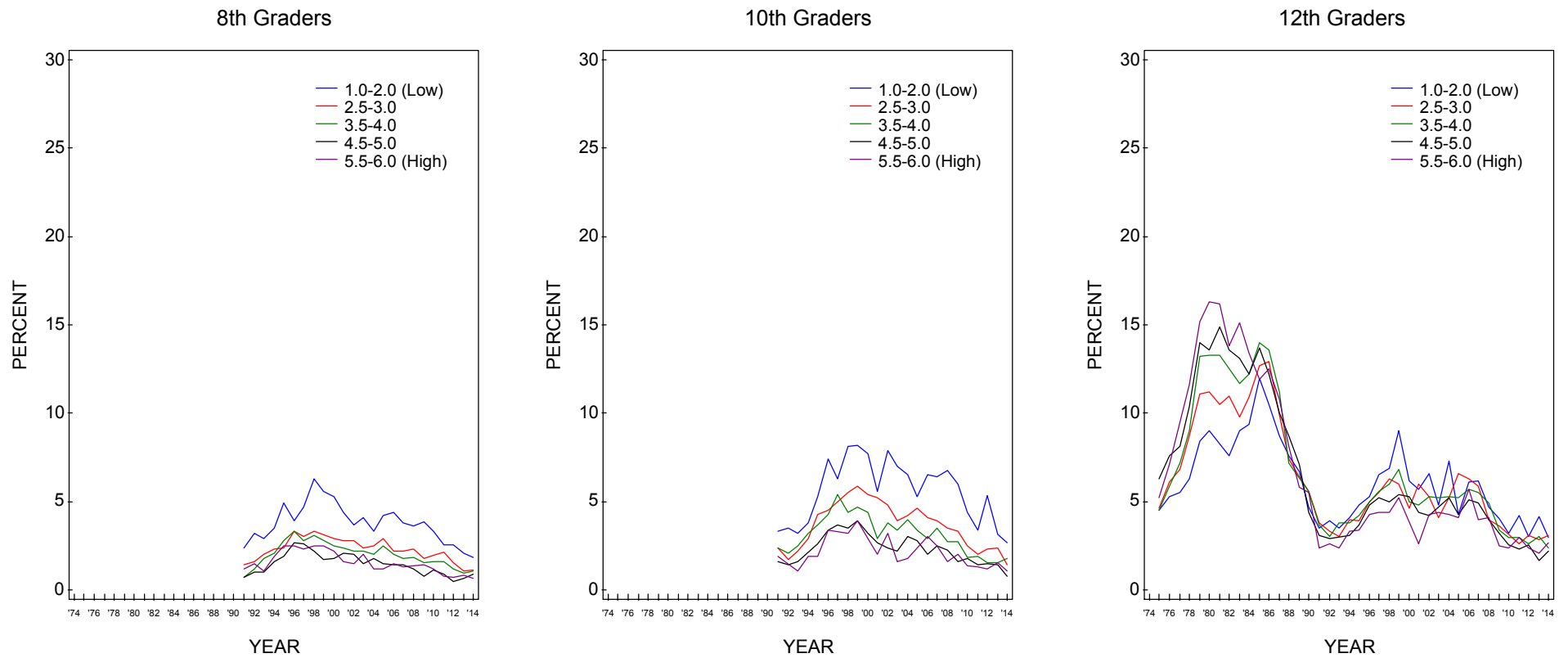
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 82
Cocaine: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

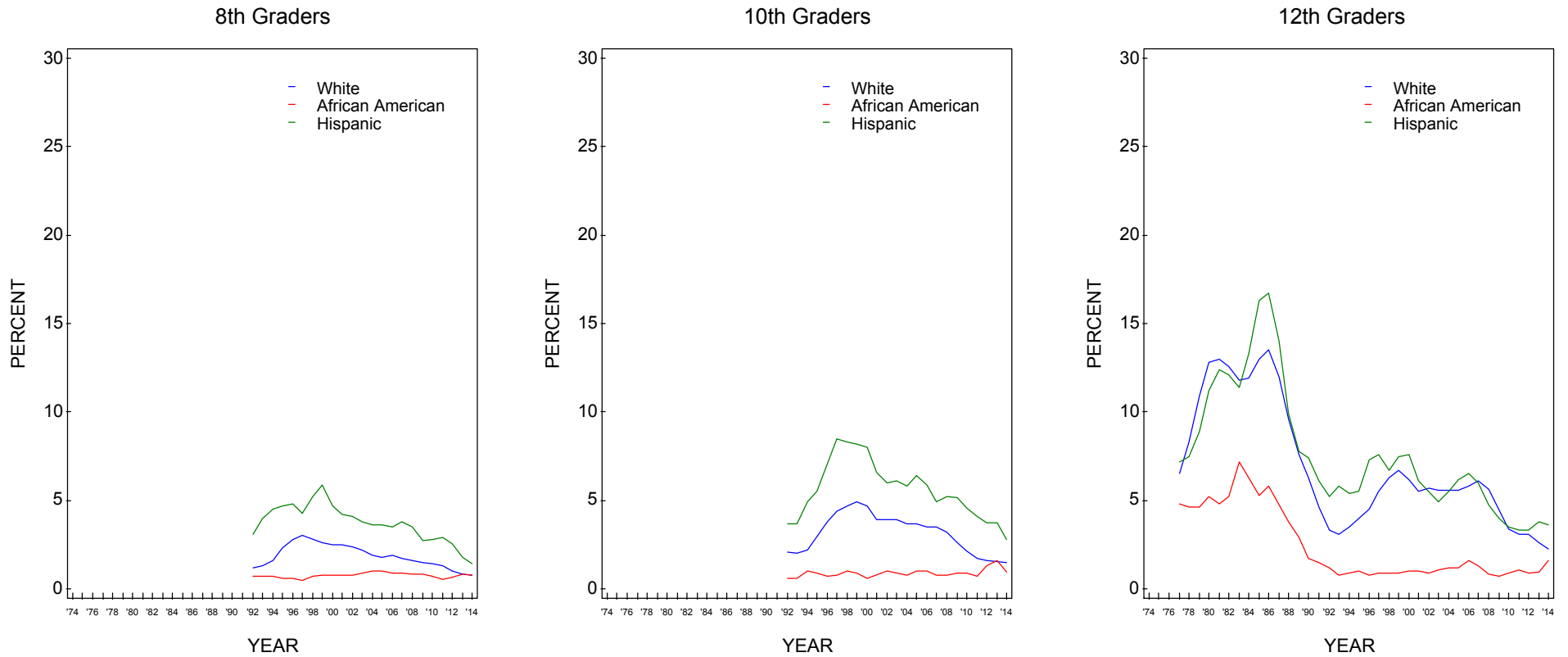
FIGURE 83
Cocaine: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

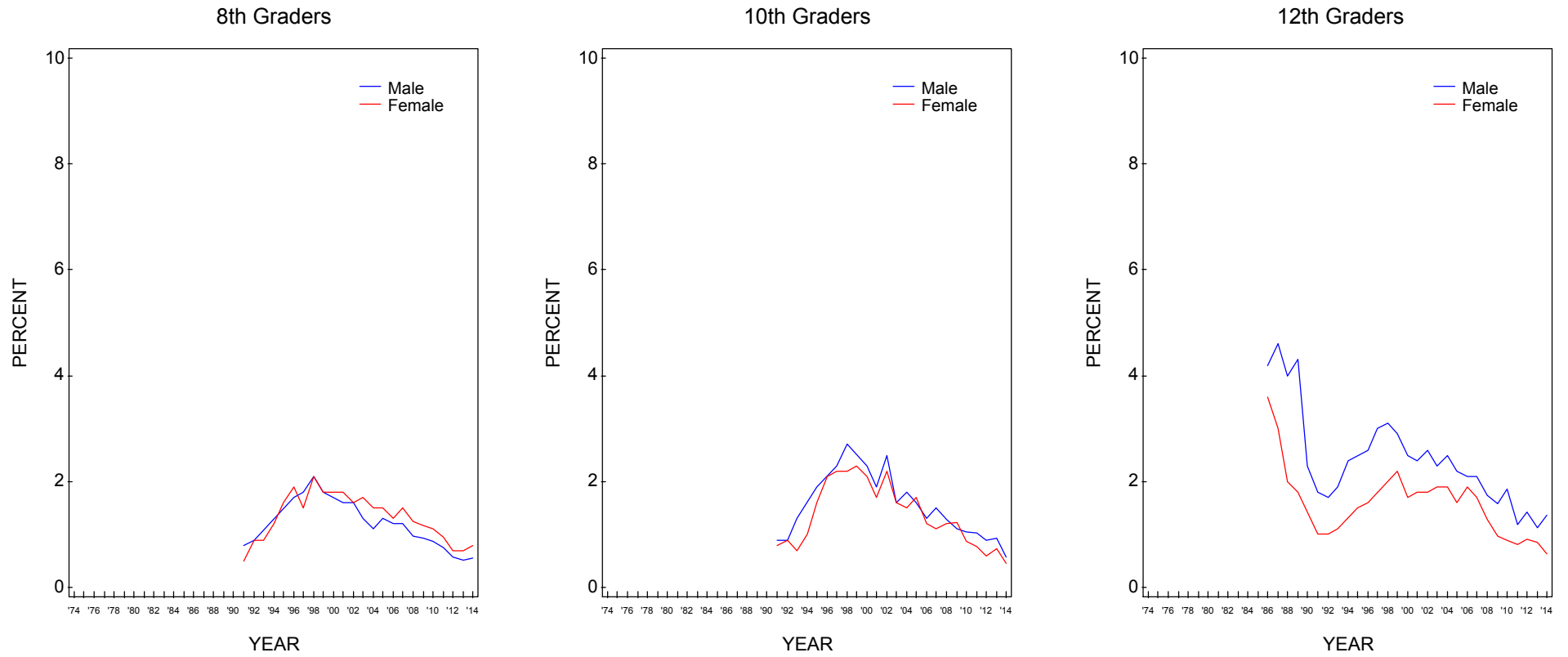
FIGURE 84
Cocaine: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

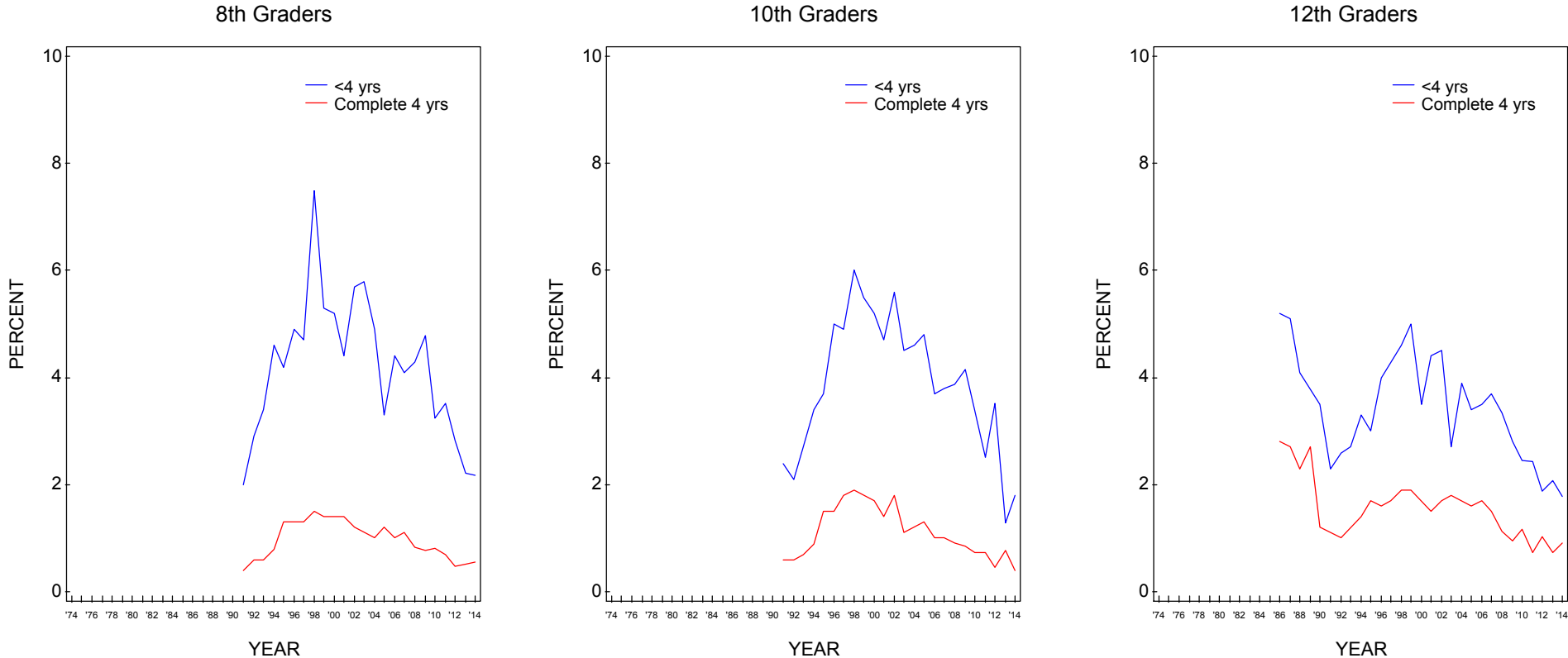
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 85
Crack: Trends in Annual Prevalence by Gender



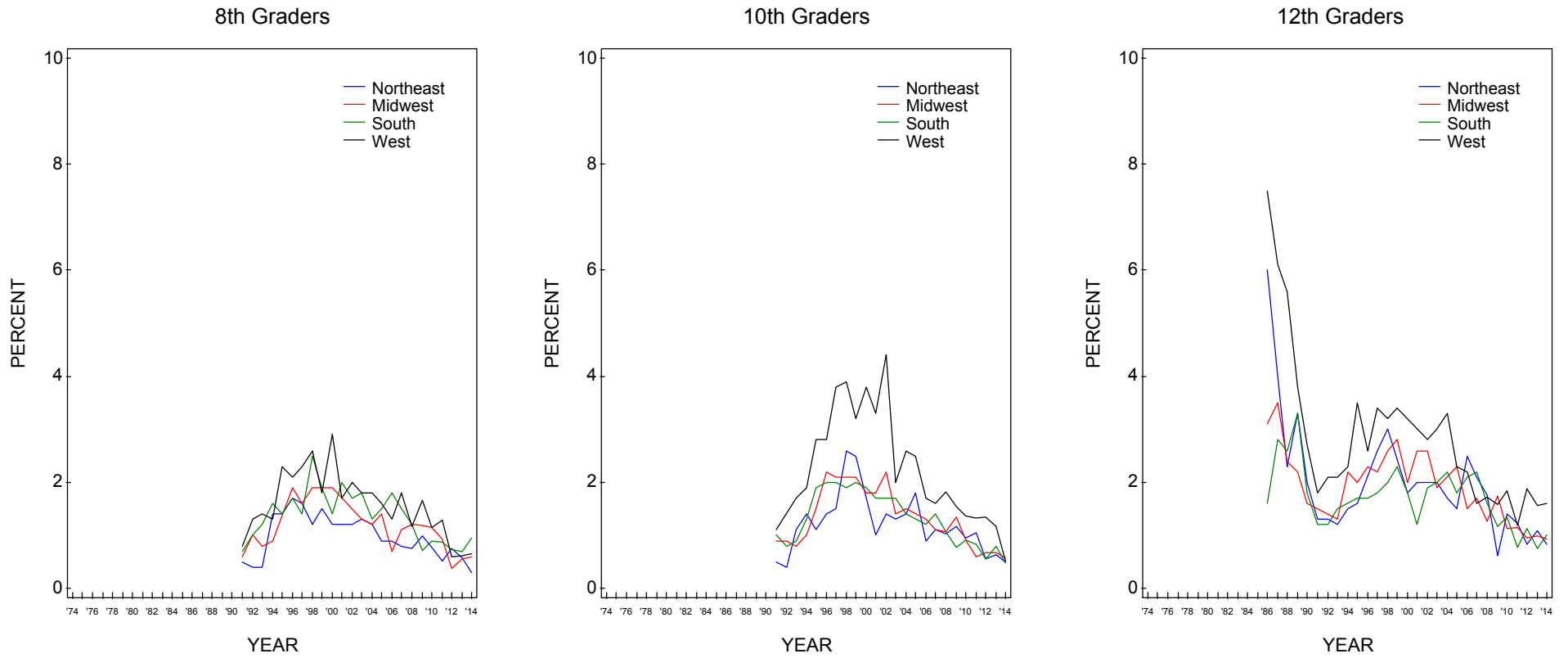
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 86
Crack: Trends in Annual Prevalence by College Plans



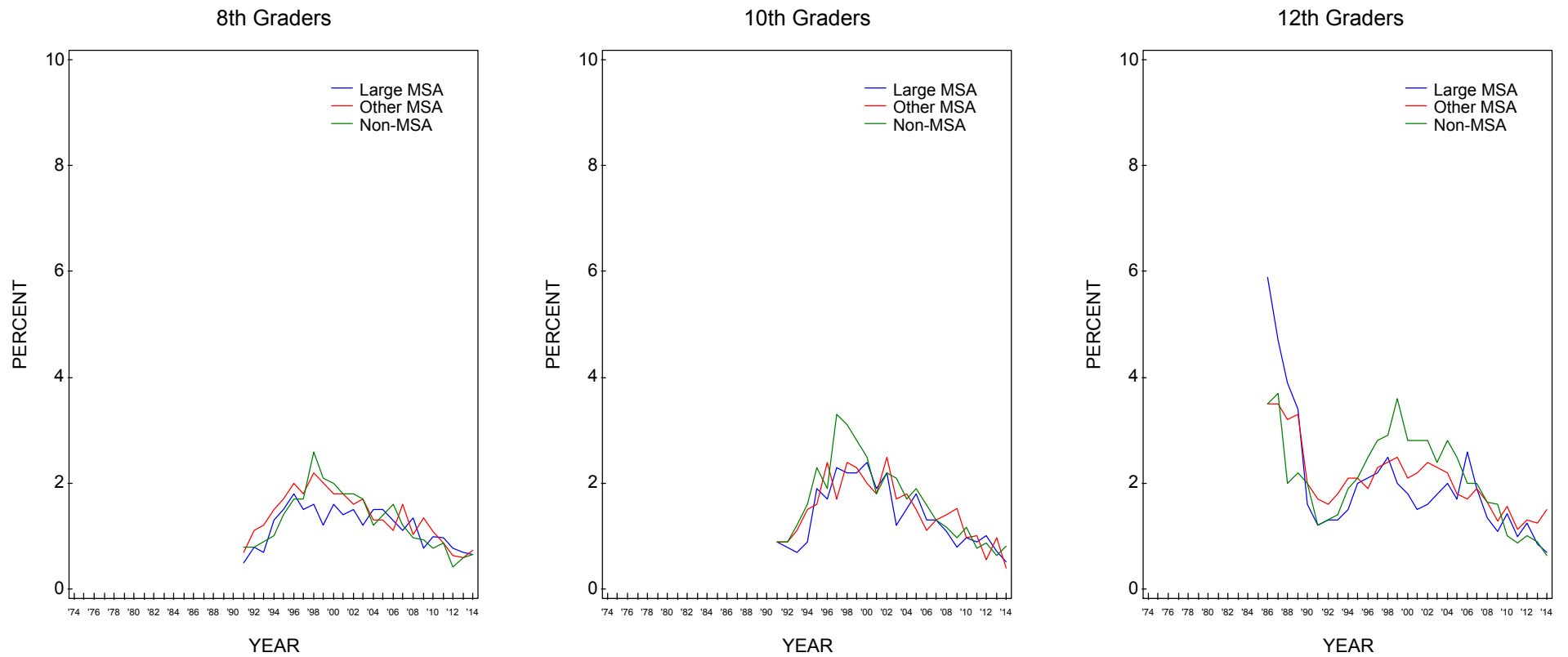
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 87
Crack: Trends in Annual Prevalence by Region



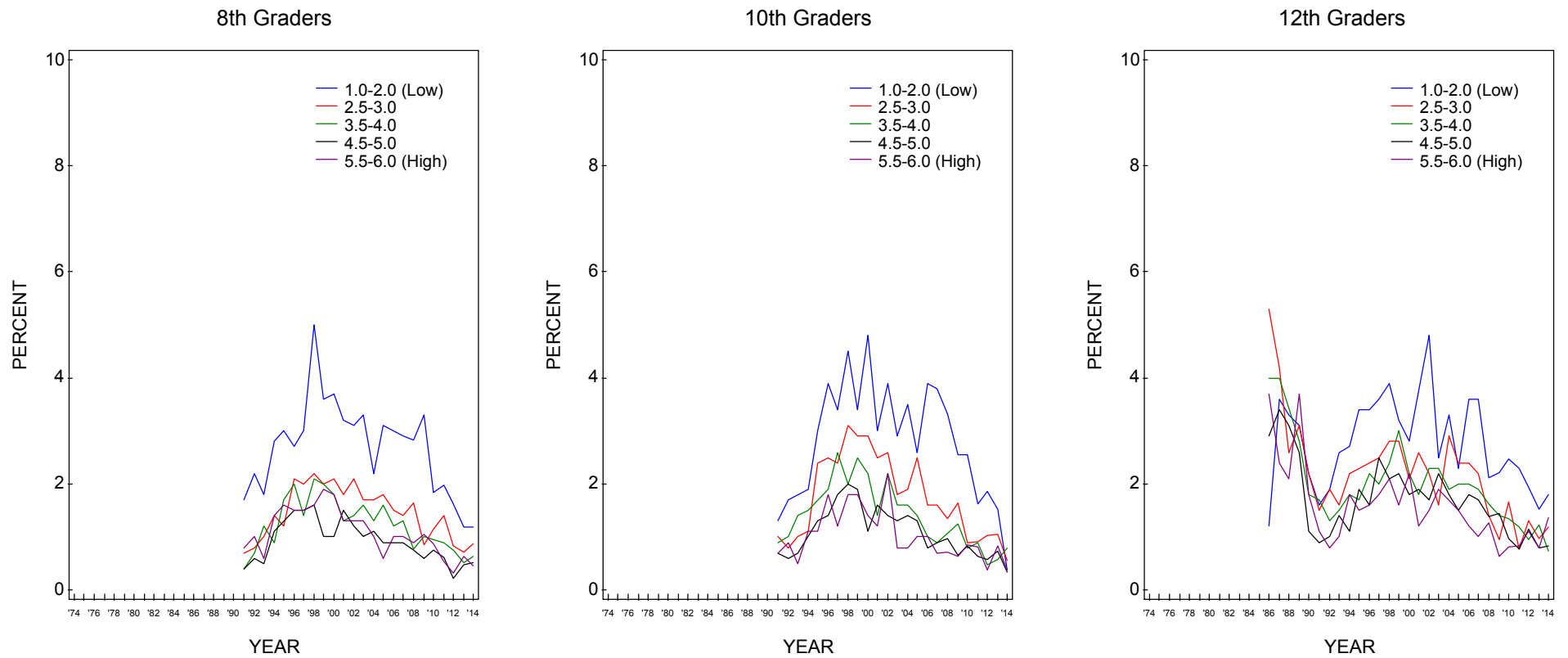
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 88
Crack: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

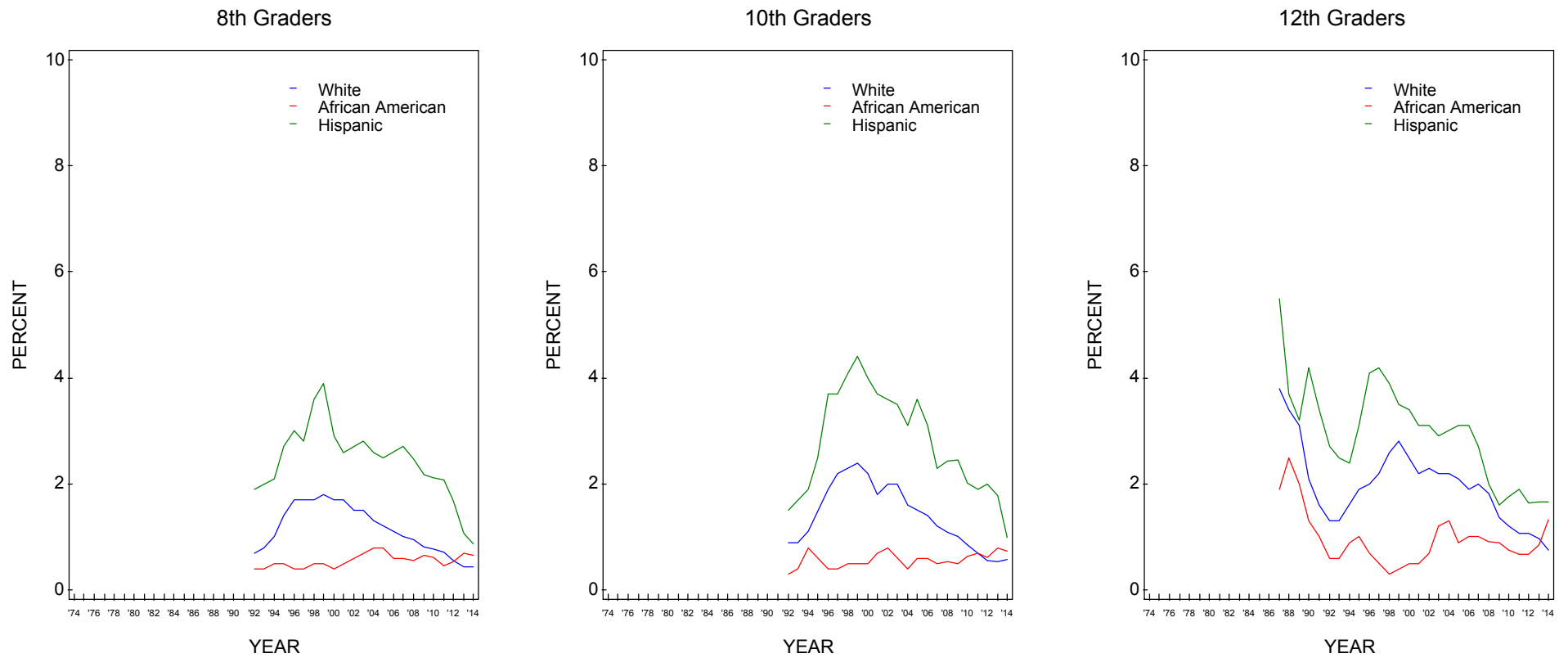
FIGURE 89
Crack: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

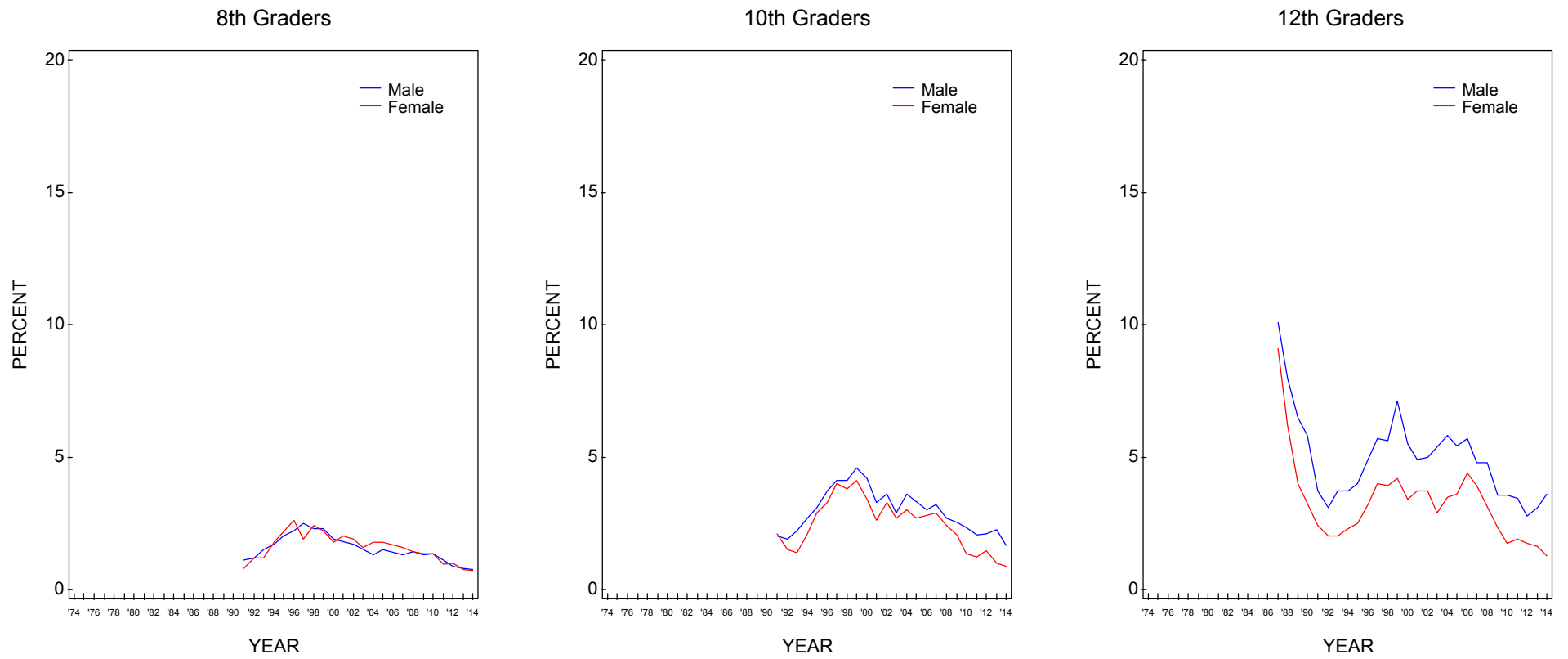
FIGURE 90
Crack: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

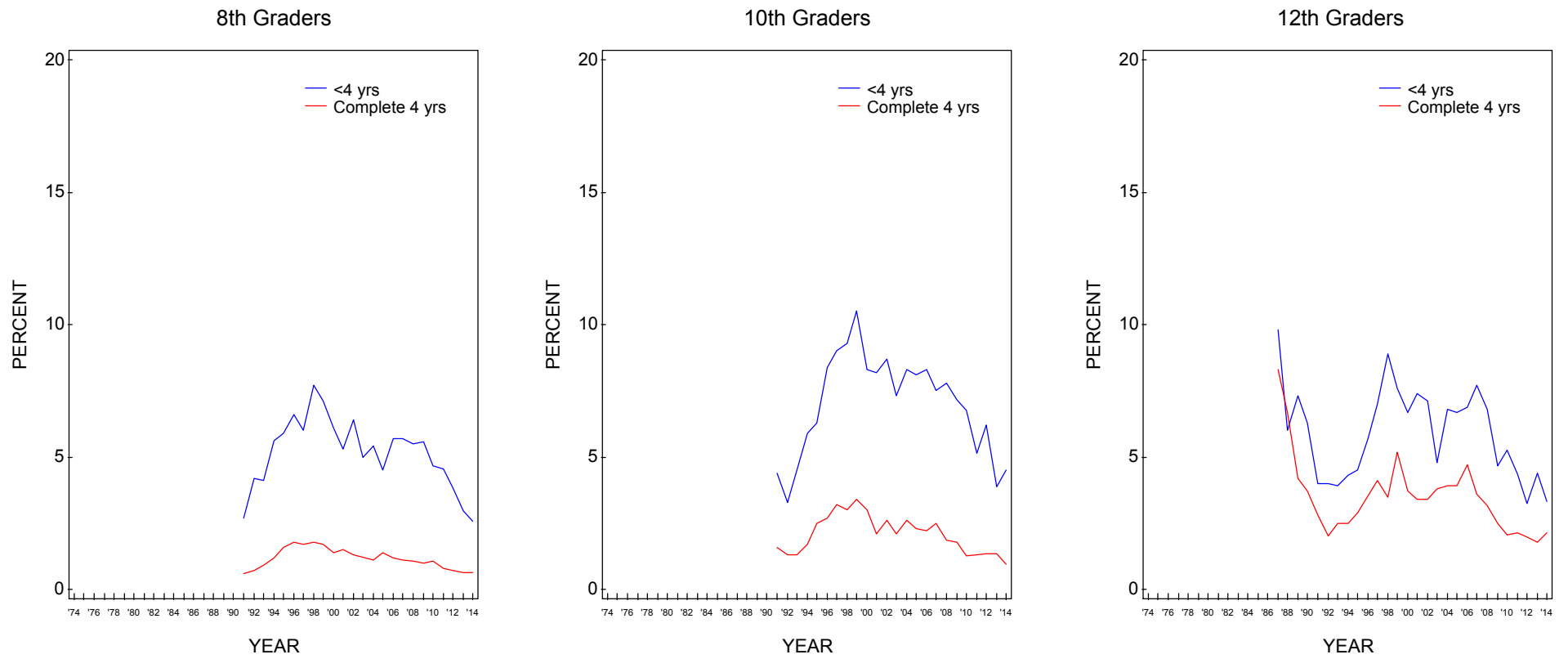
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 91
Other Cocaine: Trends in Annual Prevalence by Gender



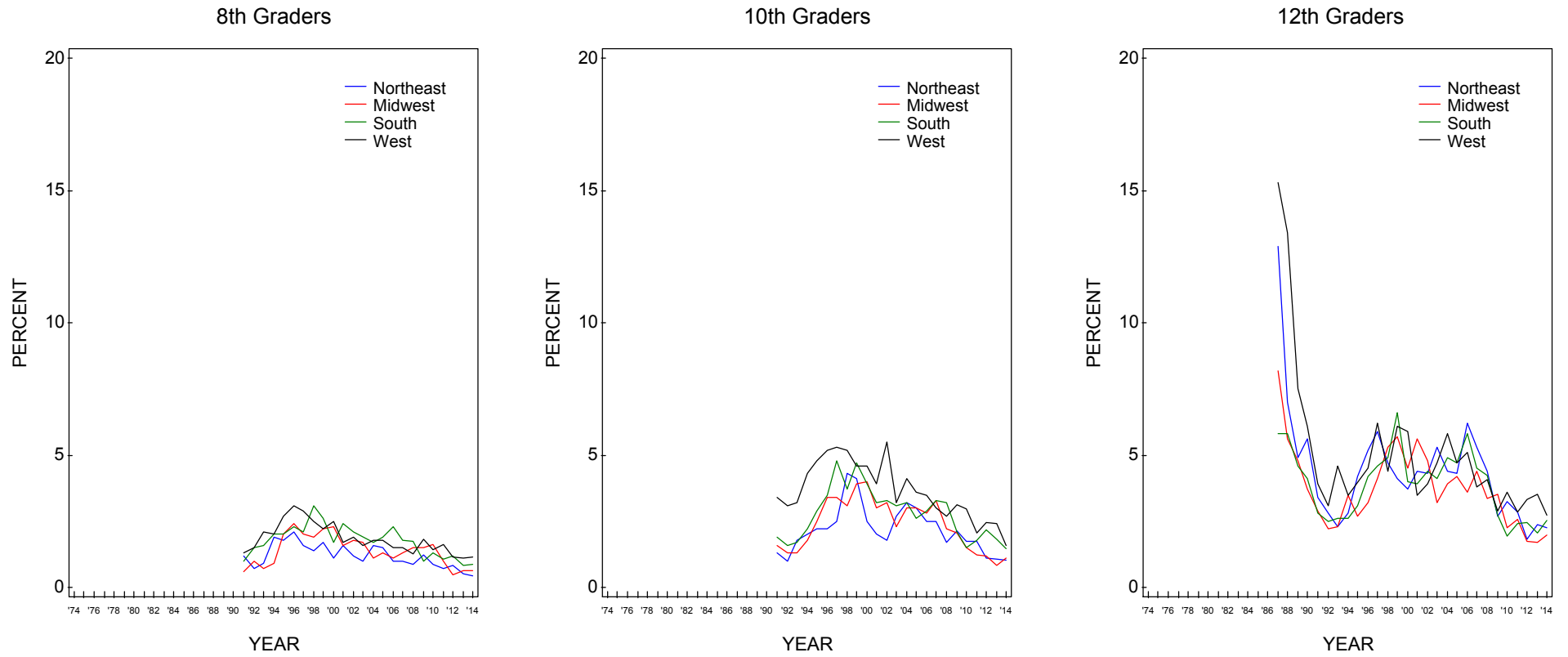
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 92
Other Cocaine: Trends in Annual Prevalence by College Plans



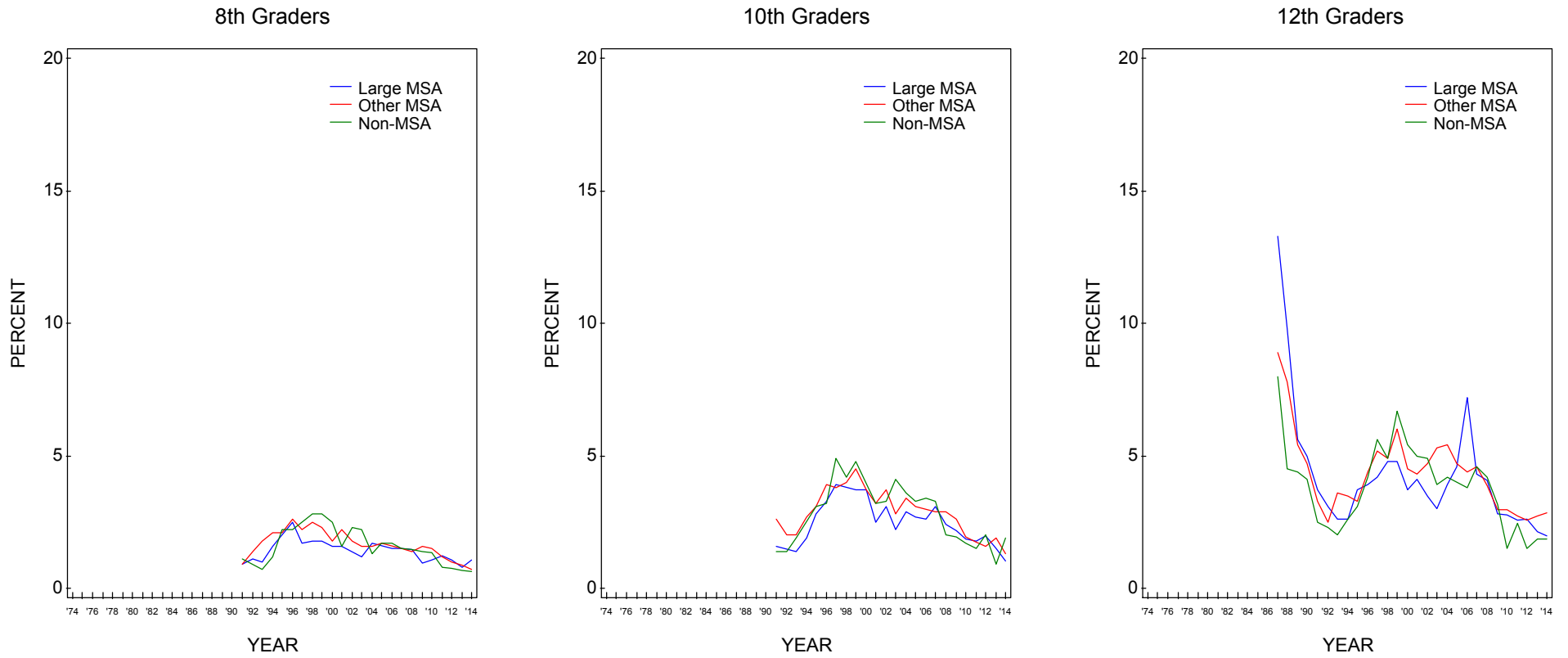
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 93
Other Cocaine: Trends in Annual Prevalence by Region



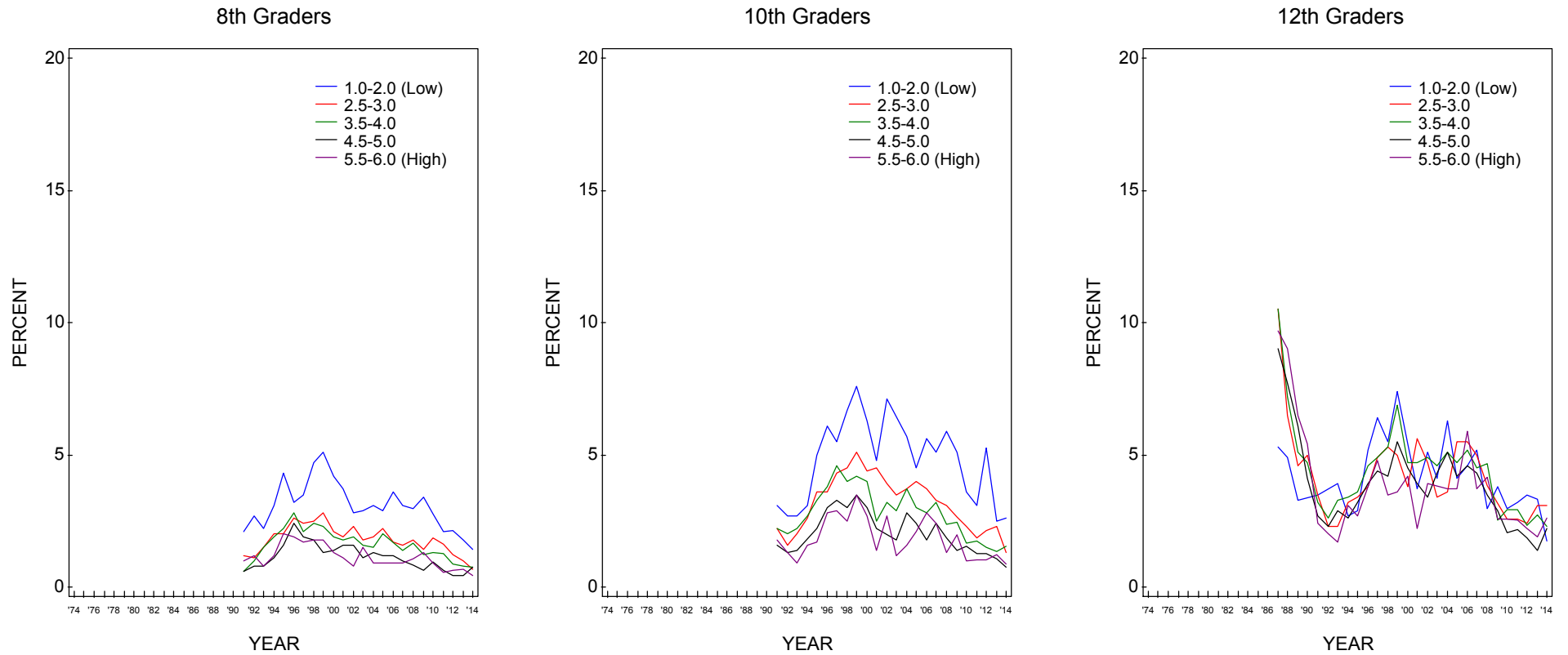
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 94
Other Cocaine: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

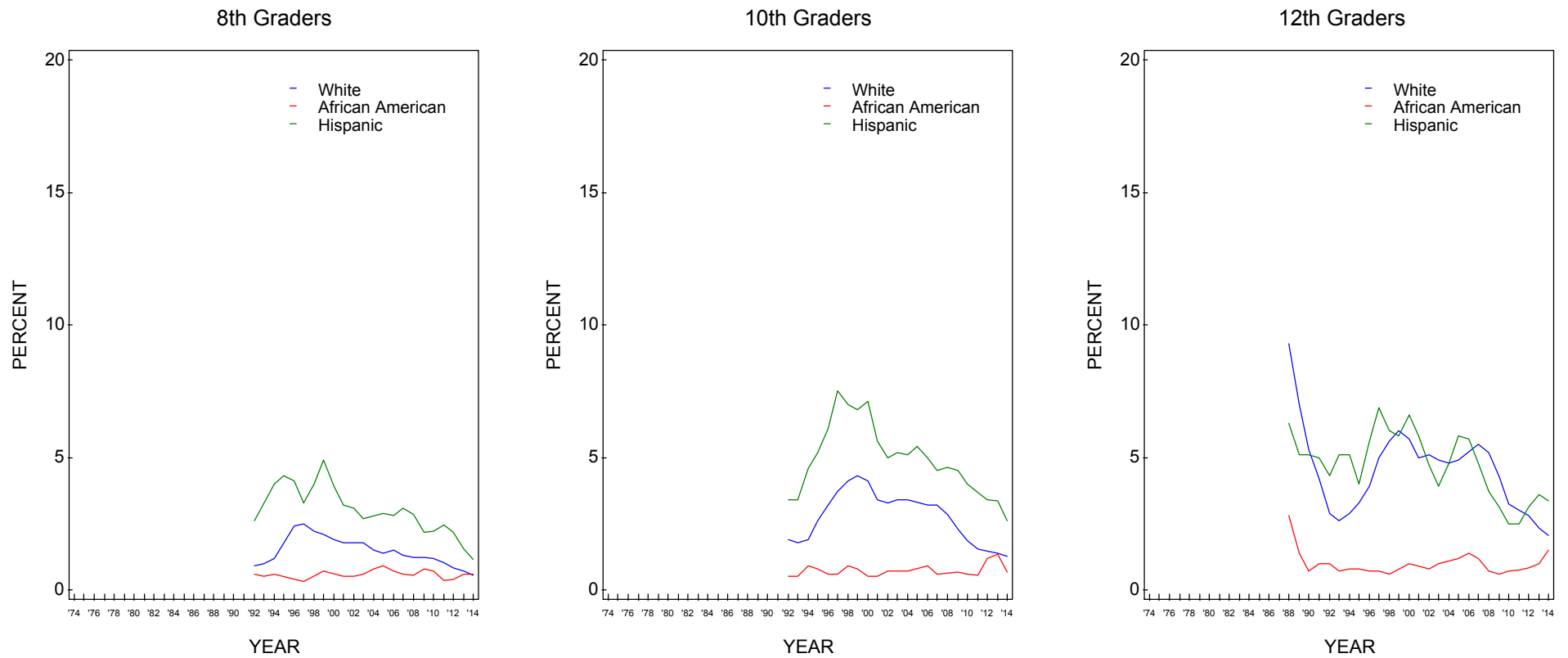
FIGURE 95
Other Cocaine: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

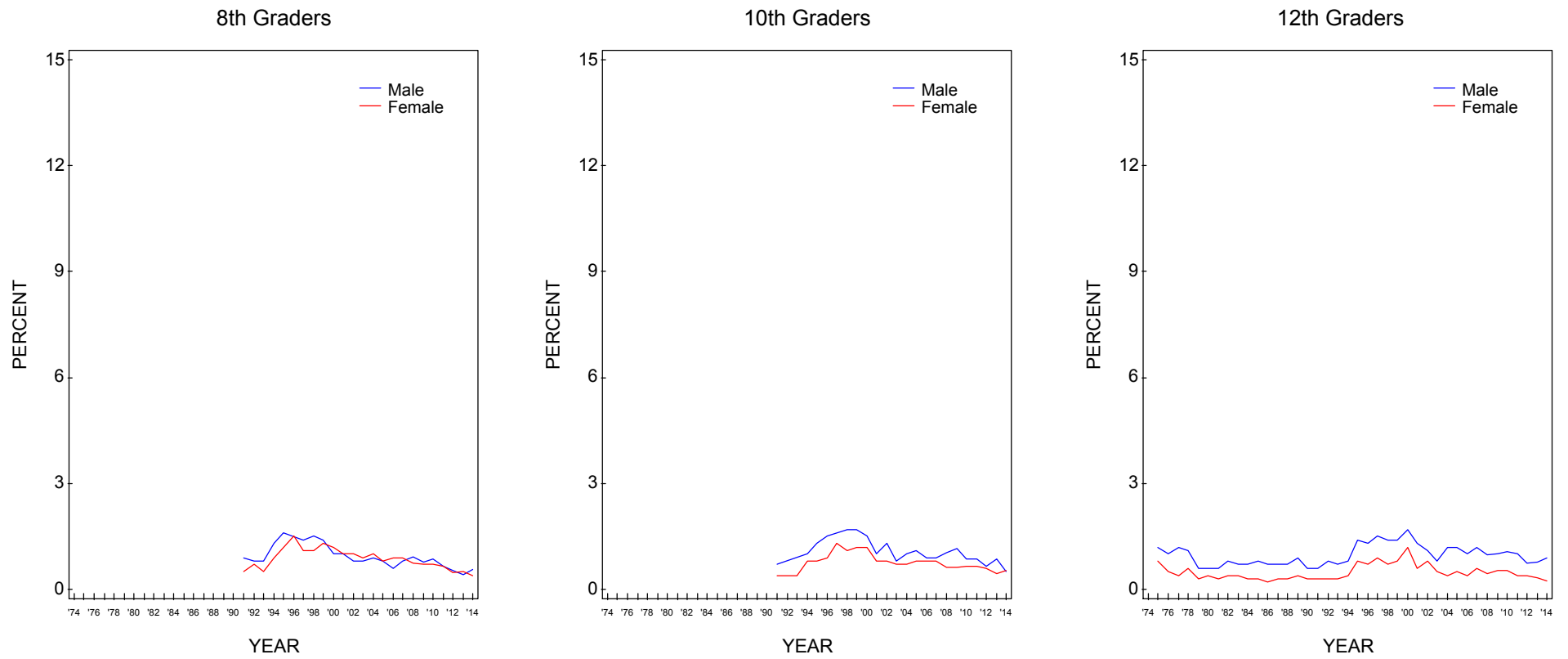
FIGURE 96
Other Cocaine: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

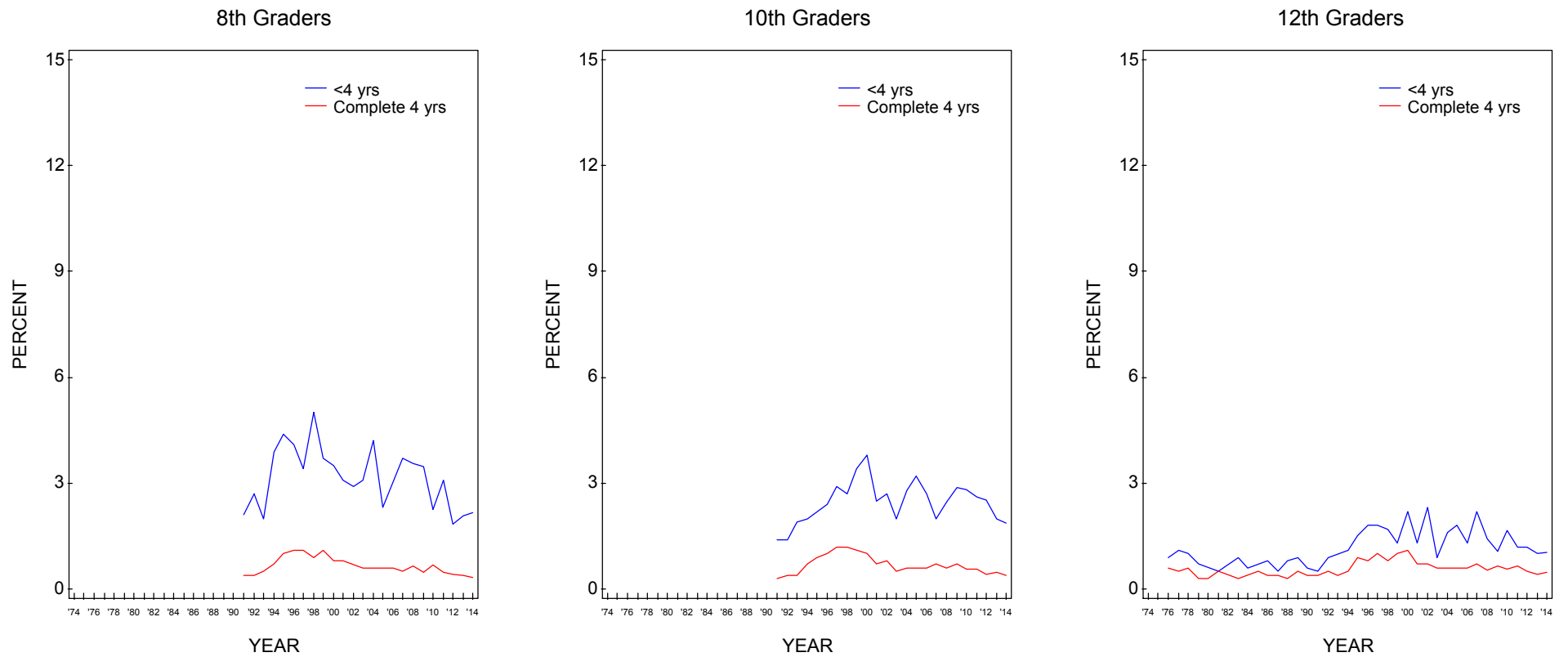
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 97
Heroin: Trends in Annual Prevalence by Gender



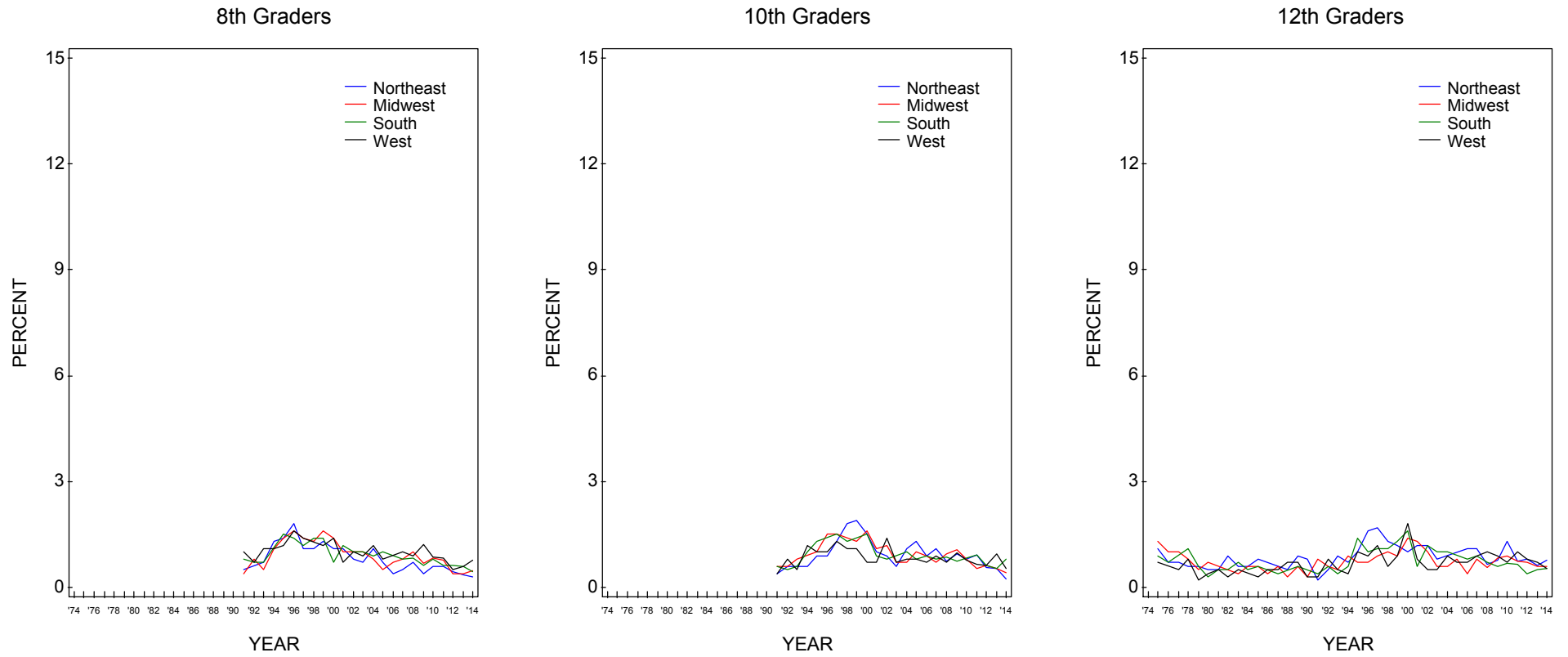
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 98
Heroin: Trends in Annual Prevalence by College Plans



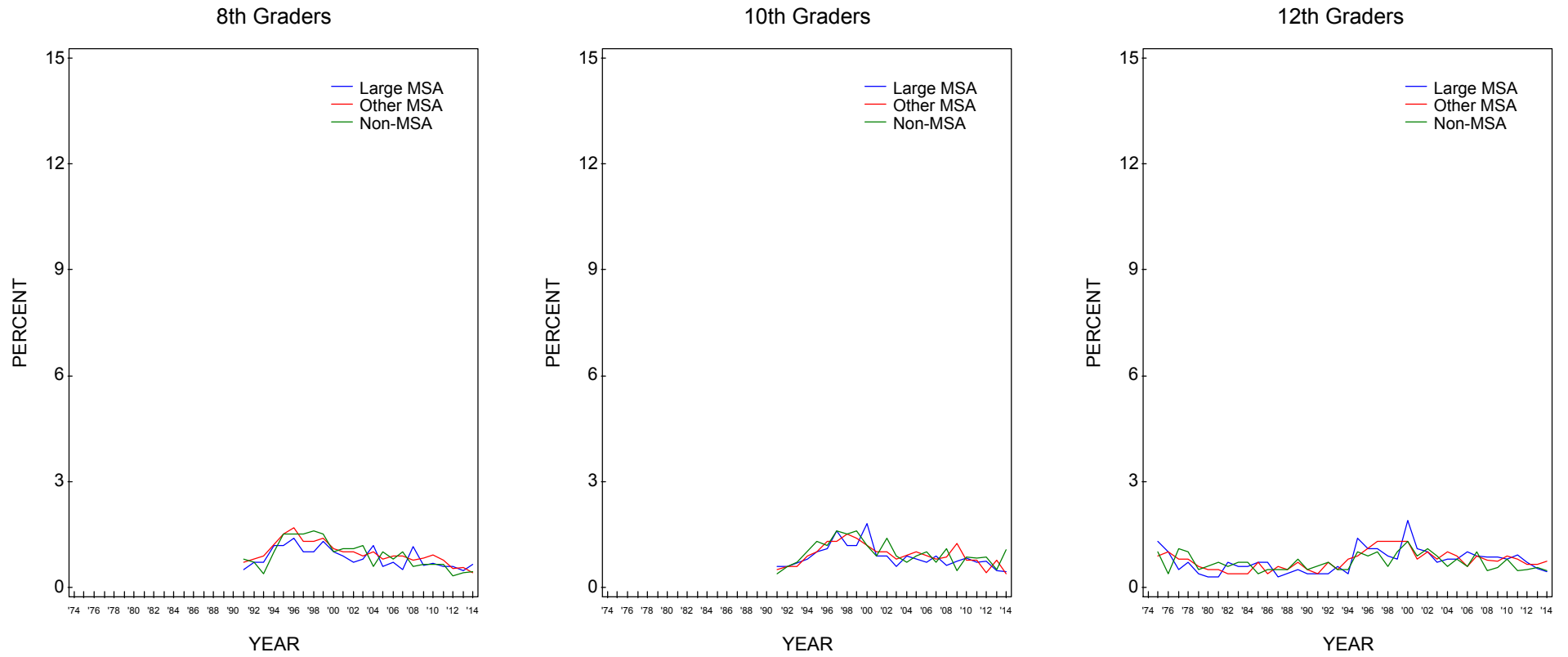
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 99
Heroin: Trends in Annual Prevalence by Region



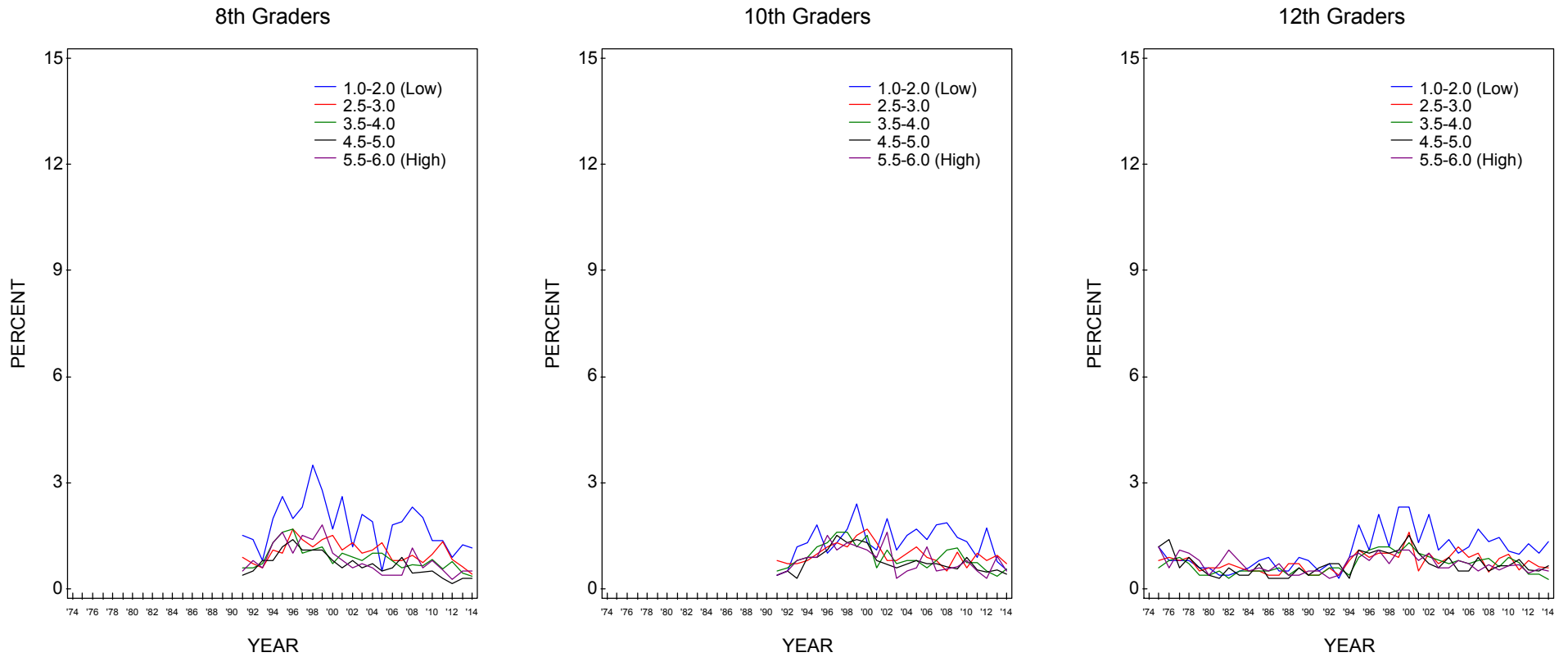
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 100
Heroin: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

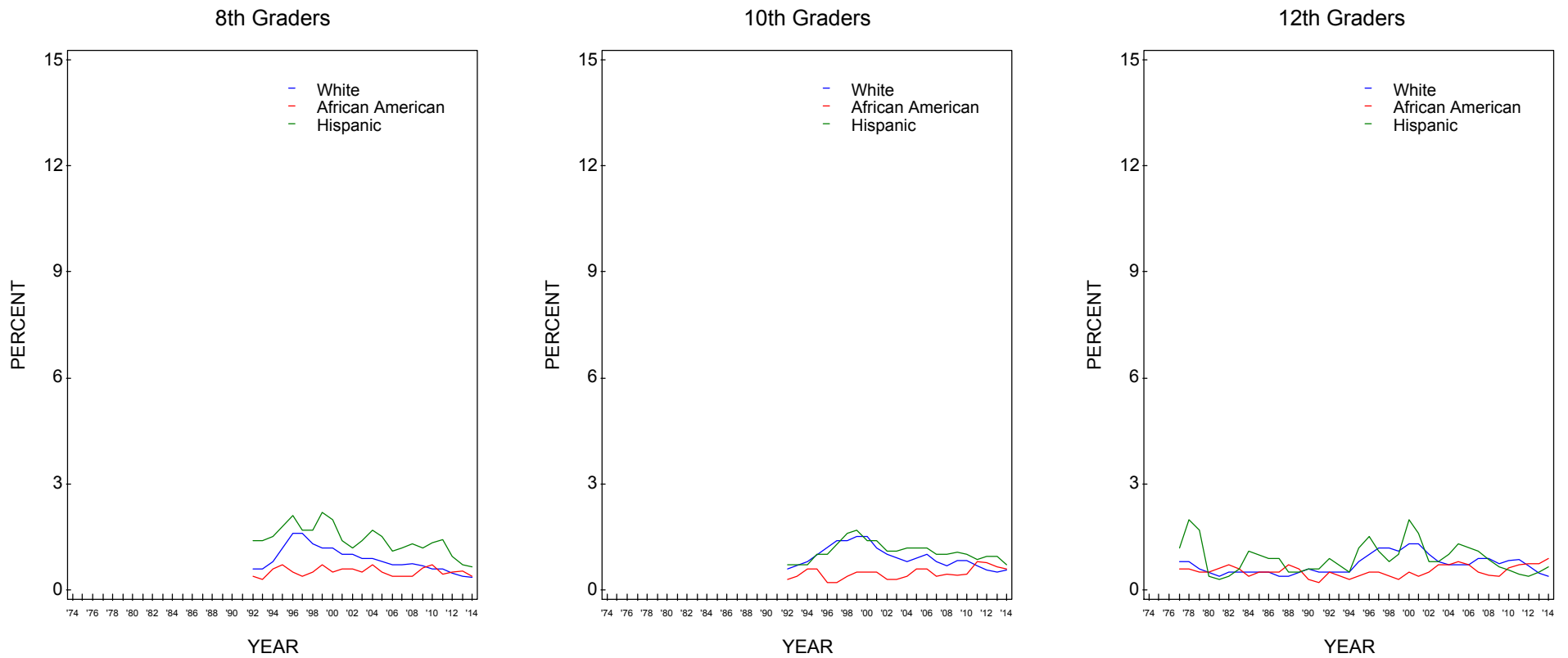
FIGURE 101
Heroin: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

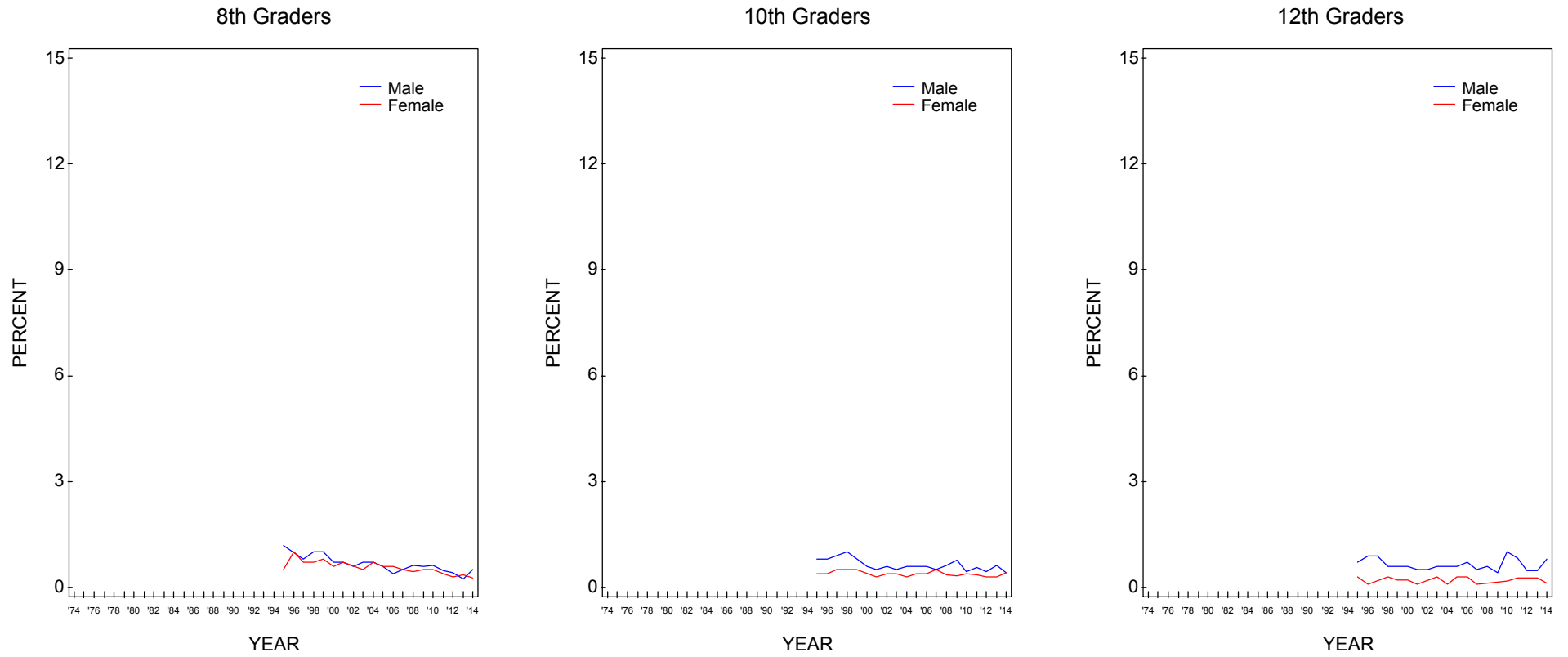
FIGURE 102
Heroin: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

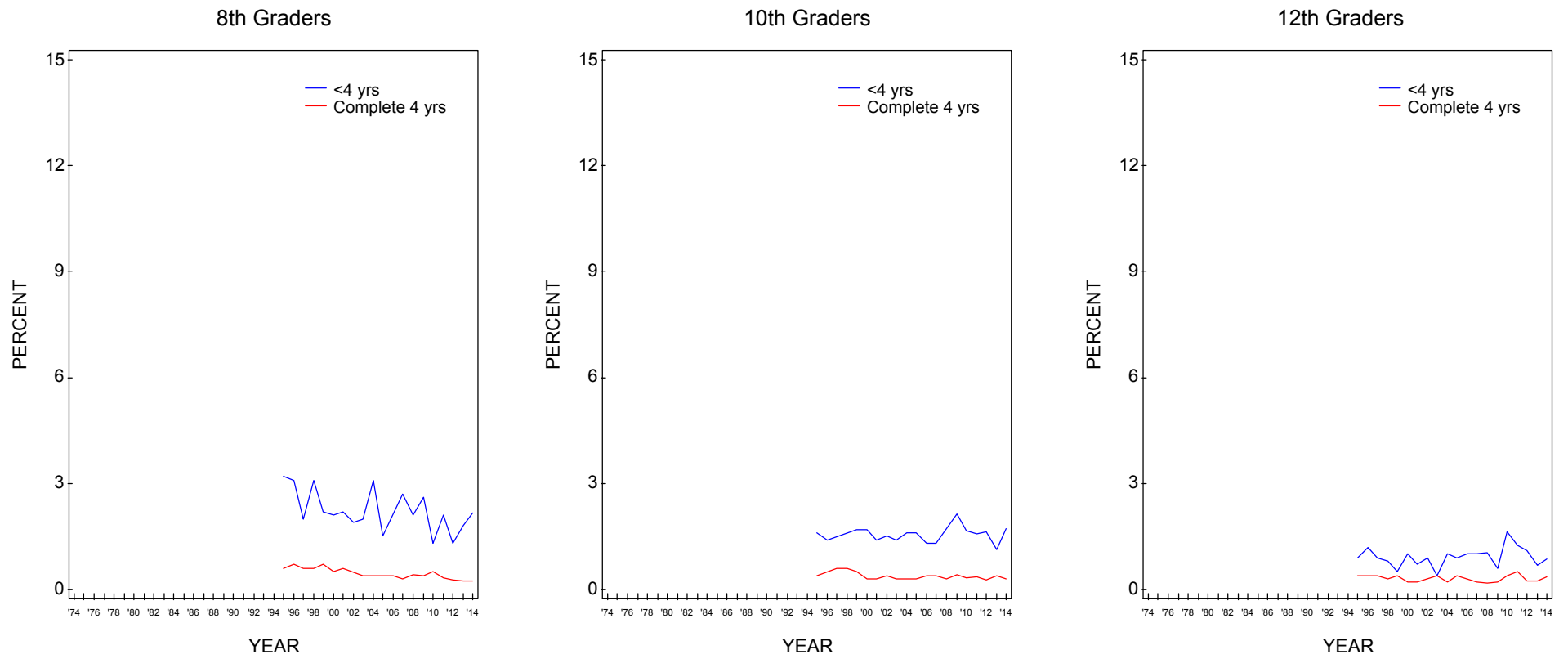
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 103
Heroin with a Needle: Trends in Annual Prevalence by Gender



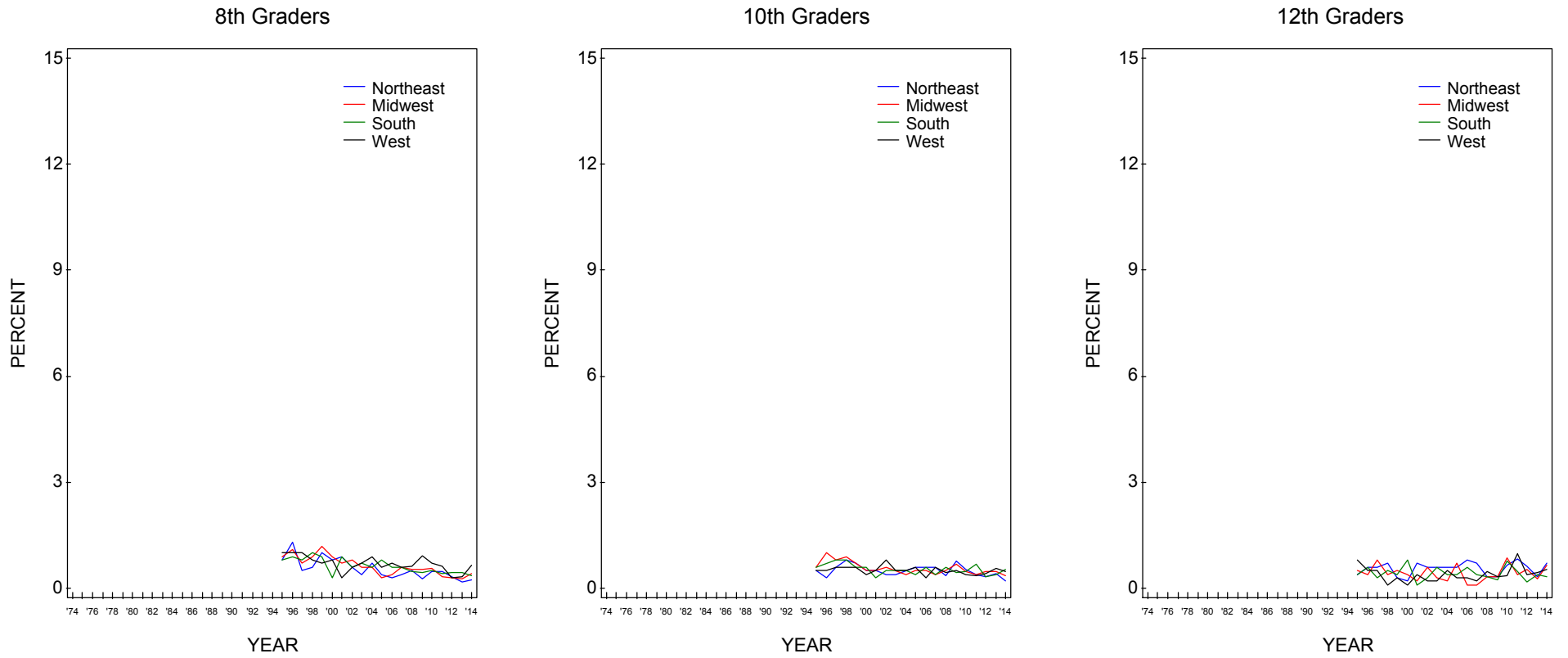
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 104
Heroin with a Needle: Trends in Annual Prevalence by College Plans



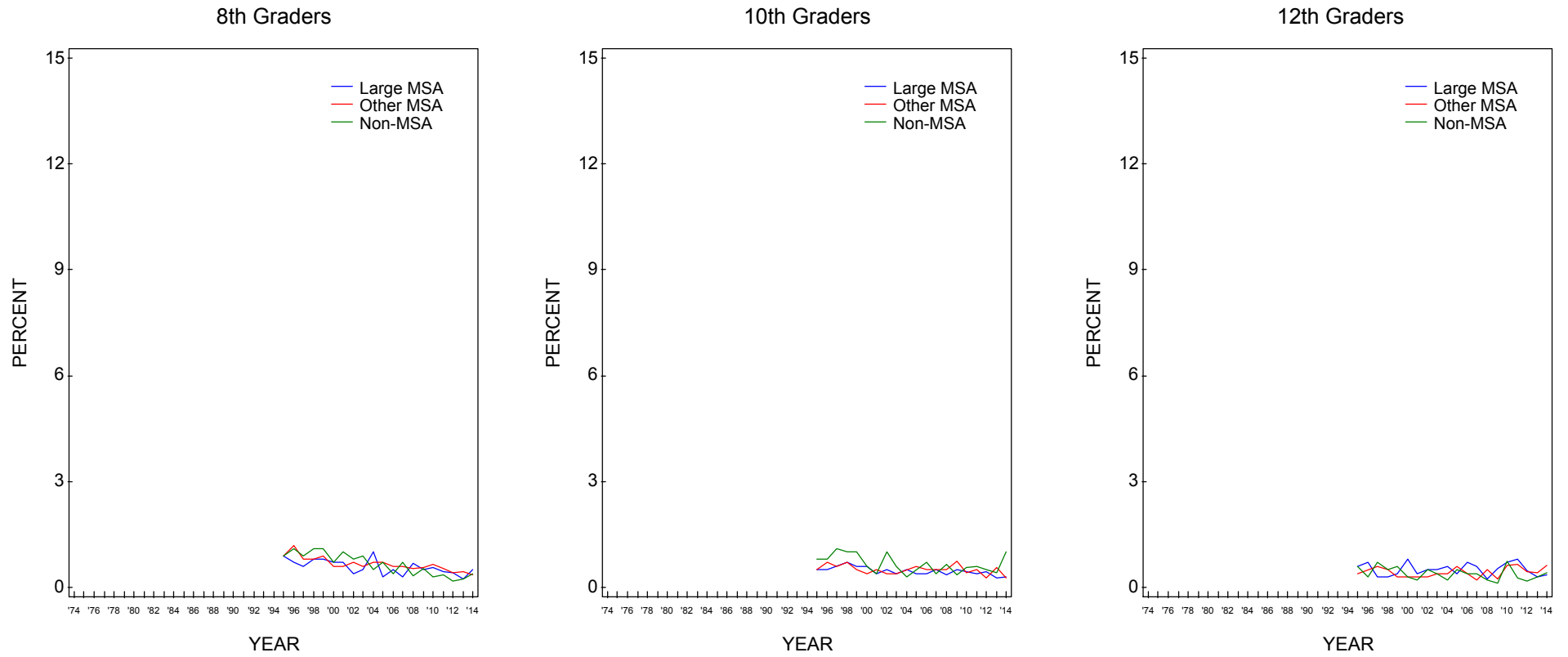
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 105
Heroin with a Needle: Trends in Annual Prevalence by Region



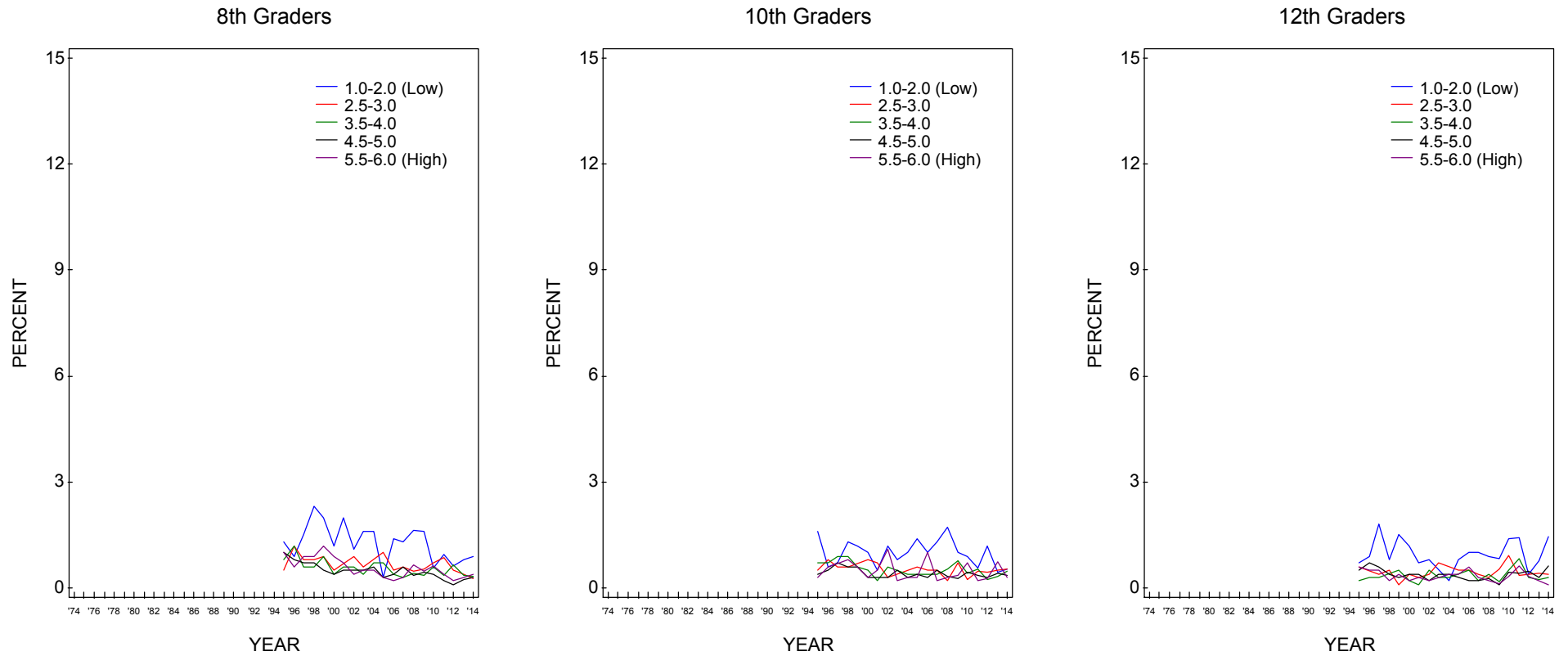
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 106
Heroin with a Needle: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

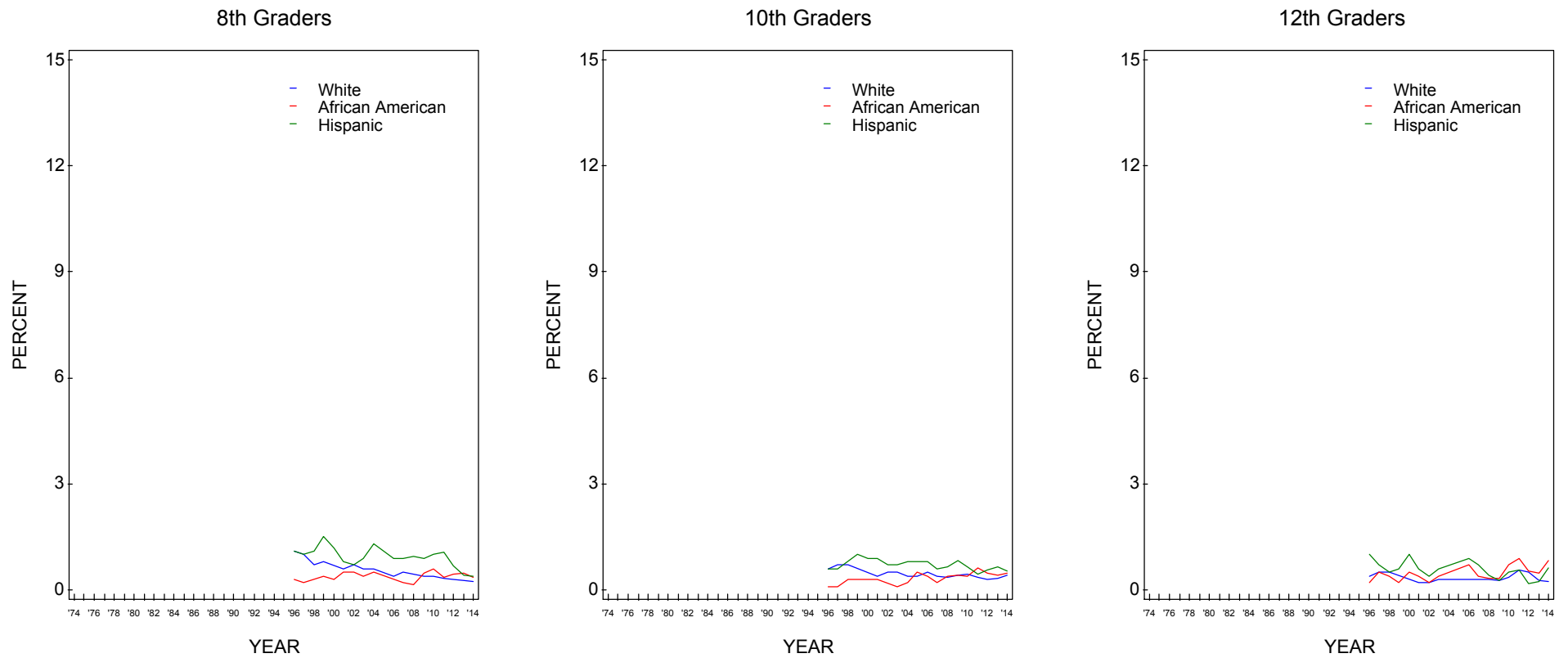
FIGURE 107
Heroin with a Needle: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

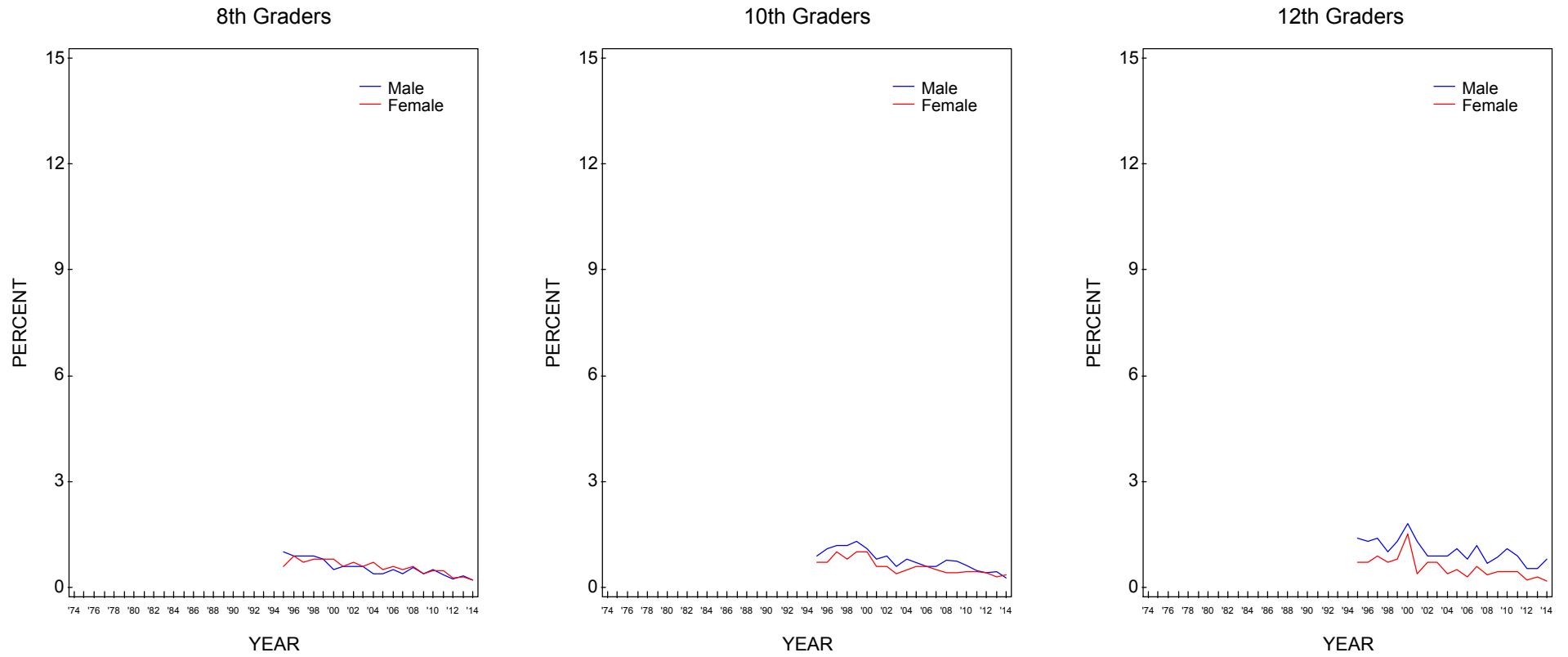
FIGURE 108
Heroin with a Needle: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

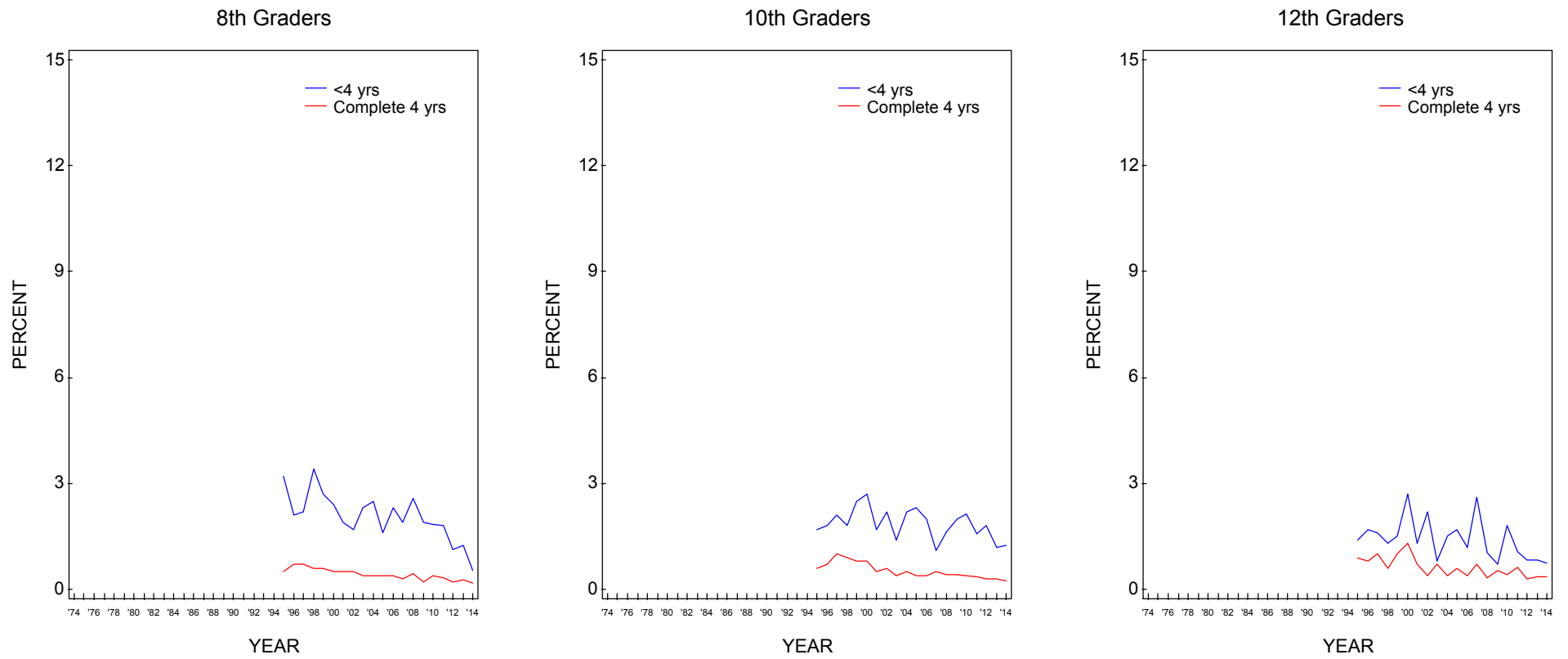
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 109
Heroin without a Needle: Trends in Annual Prevalence by Gender



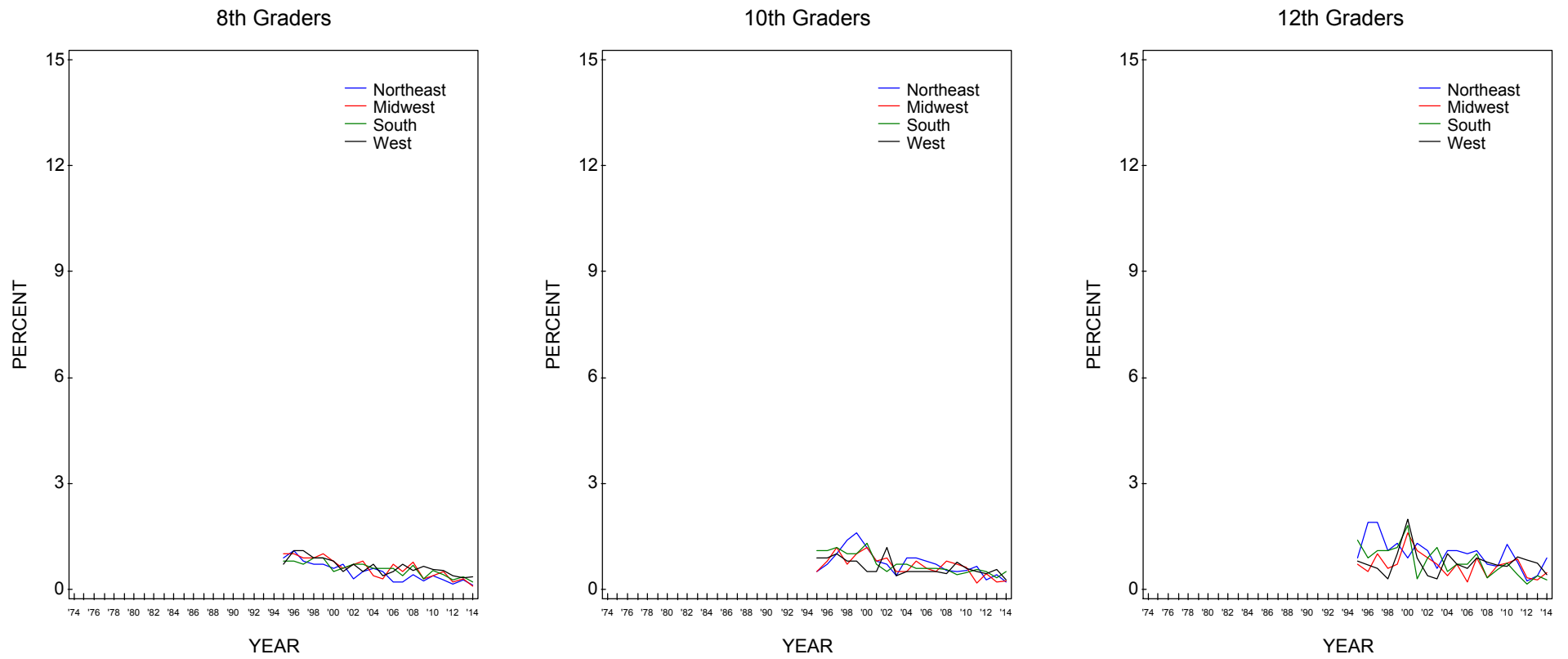
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 110
Heroin without a Needle: Trends in Annual Prevalence by College Plans



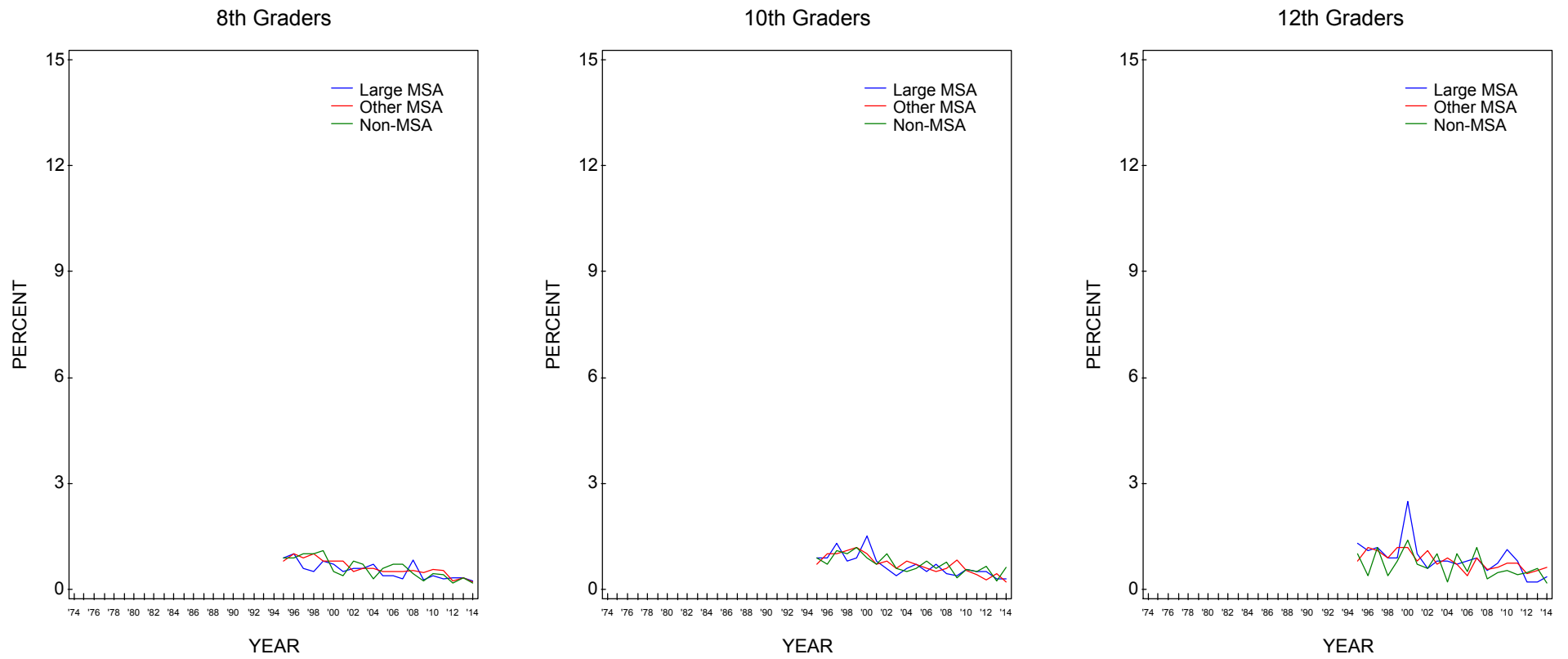
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 111
Heroin without a Needle: Trends in Annual Prevalence by Region



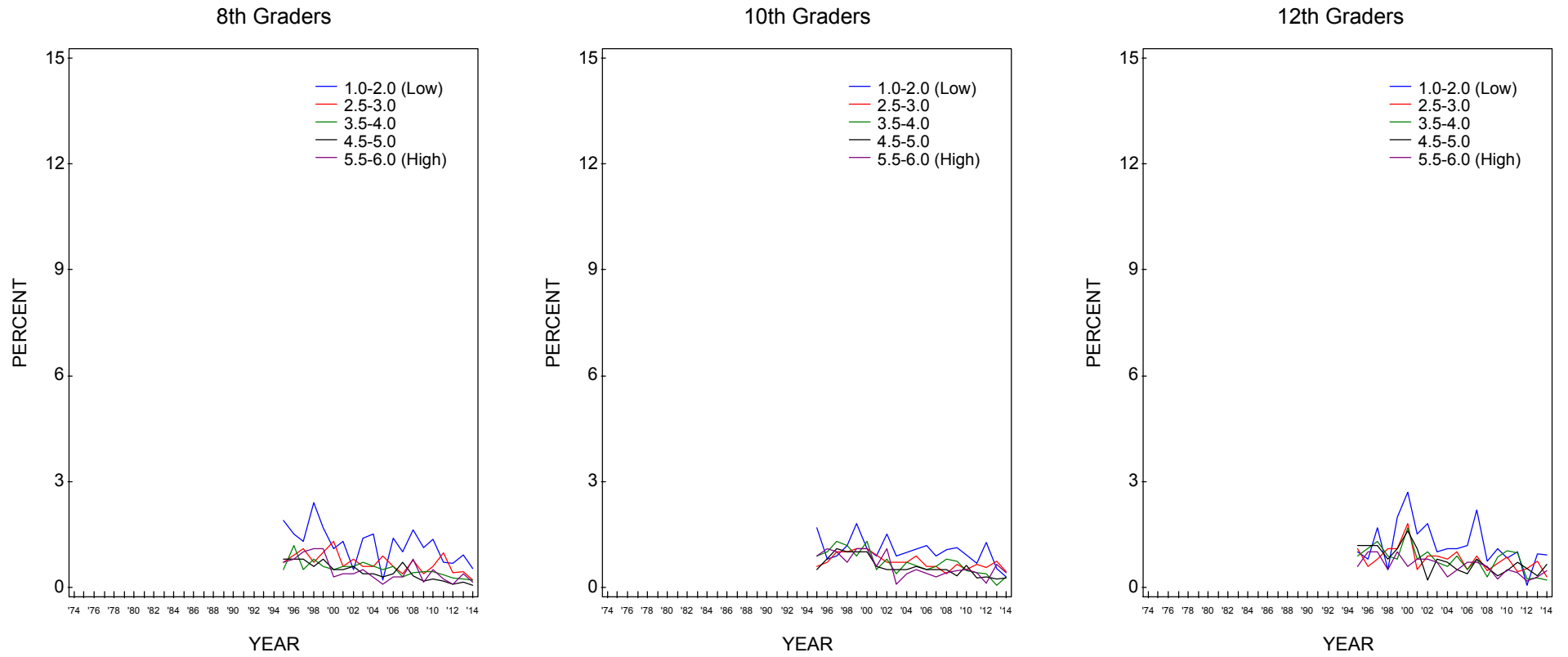
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 112
Heroin without a Needle: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

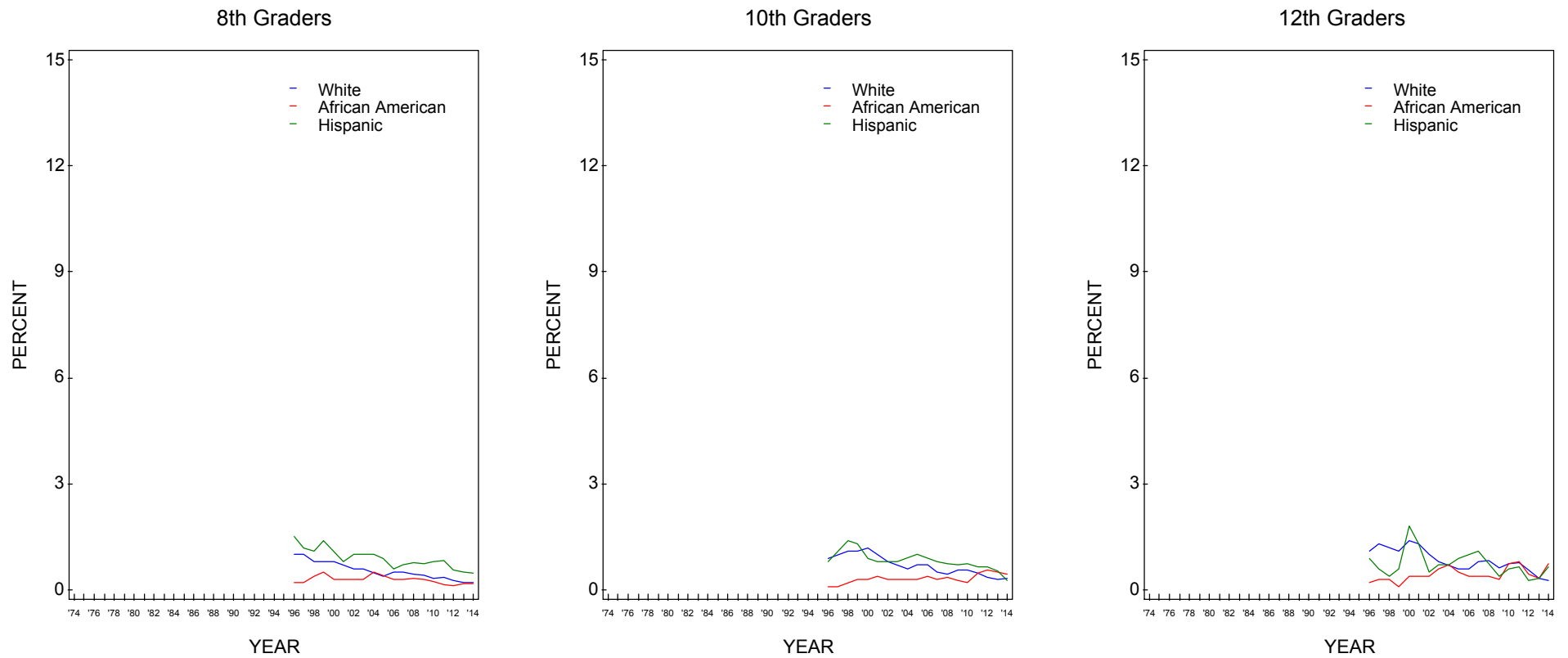
FIGURE 113
Heroin without a Needle: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

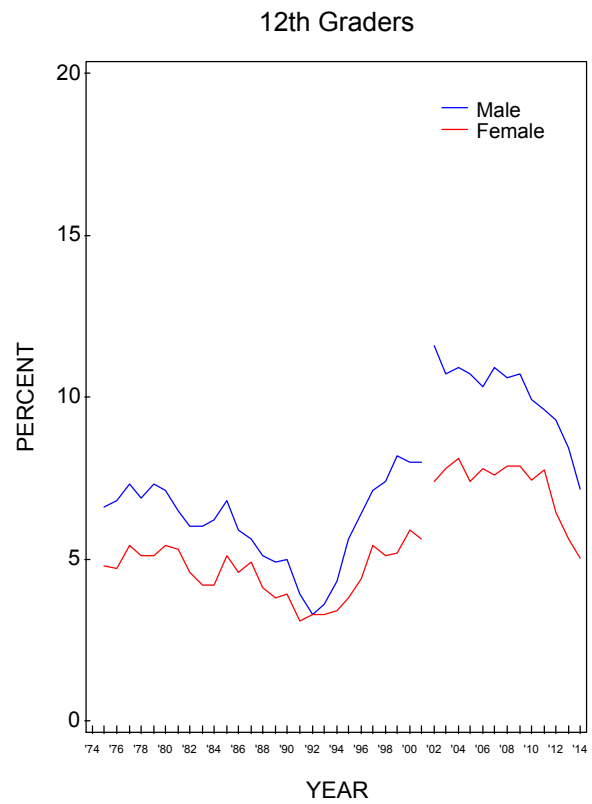
FIGURE 114
Heroin without a Needle: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

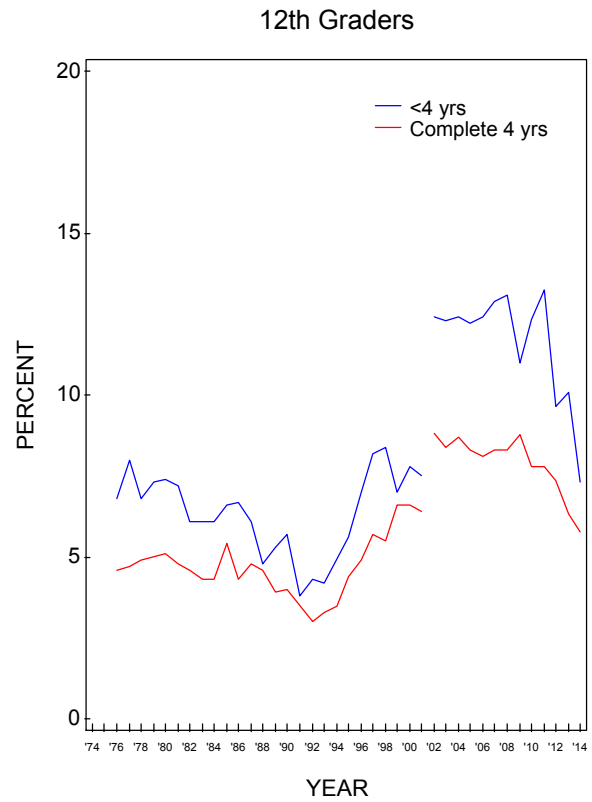
FIGURE 115
Narcotics other than Heroin:* Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Refer to corresponding tables for further details.

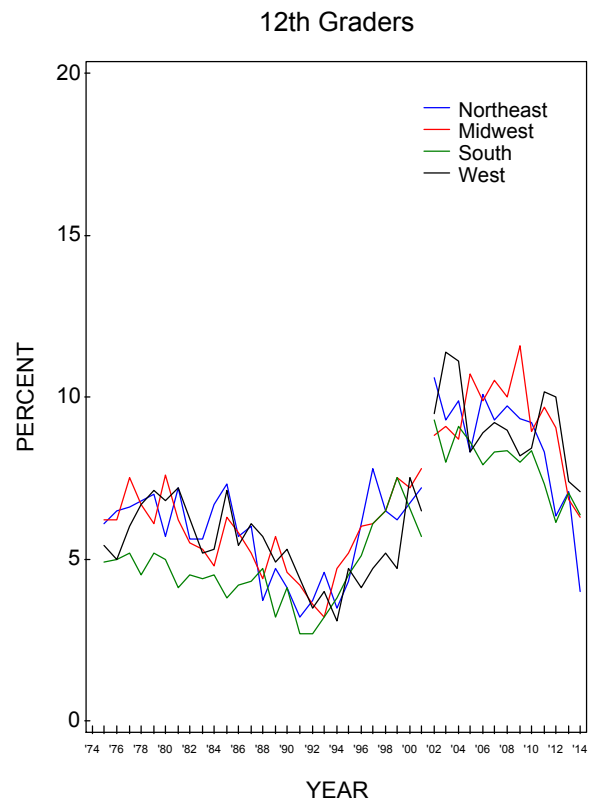
FIGURE 116
Narcotics other than Heroin:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Refer to corresponding tables for further details.

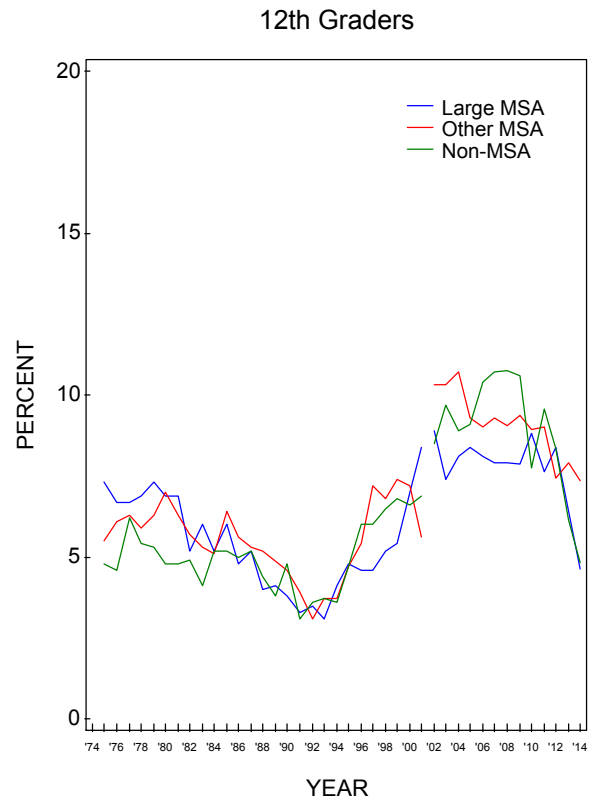
FIGURE 117
Narcotics other than Heroin:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Refer to corresponding tables for further details.

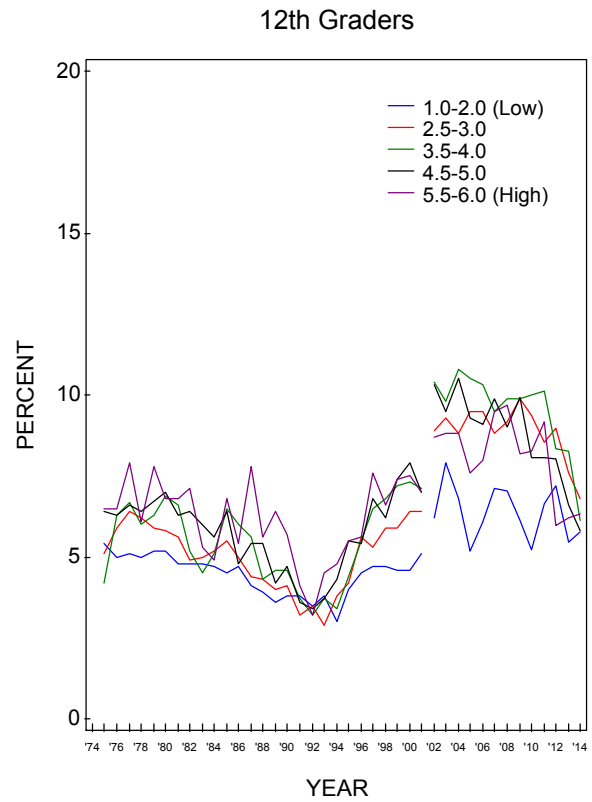
FIGURE 118
Narcotics other than Heroin:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Refer to corresponding tables for further details.

FIGURE 119
Narcotics other than Heroin:* Trends in Annual Prevalence by Average Education Level of Parents**

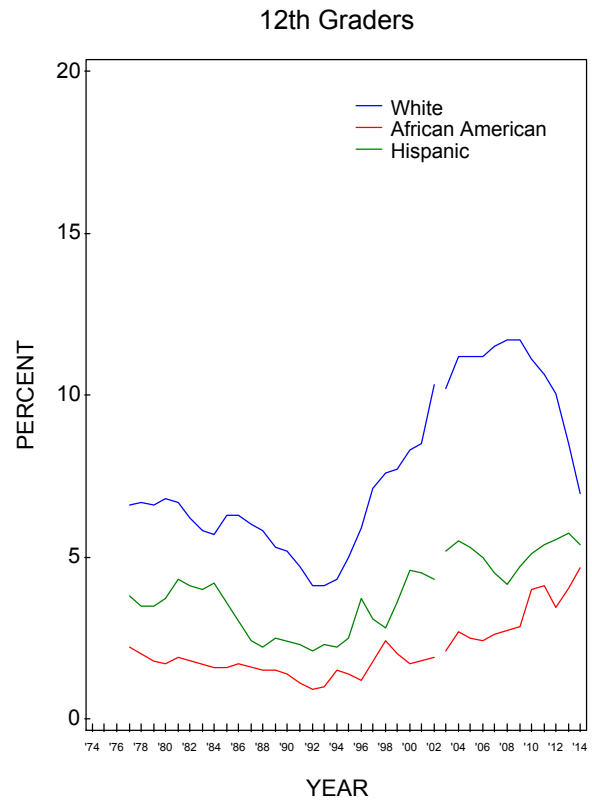


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 120
Narcotics other than Heroin:* Trends in Annual Prevalence by Race/Ethnicity**

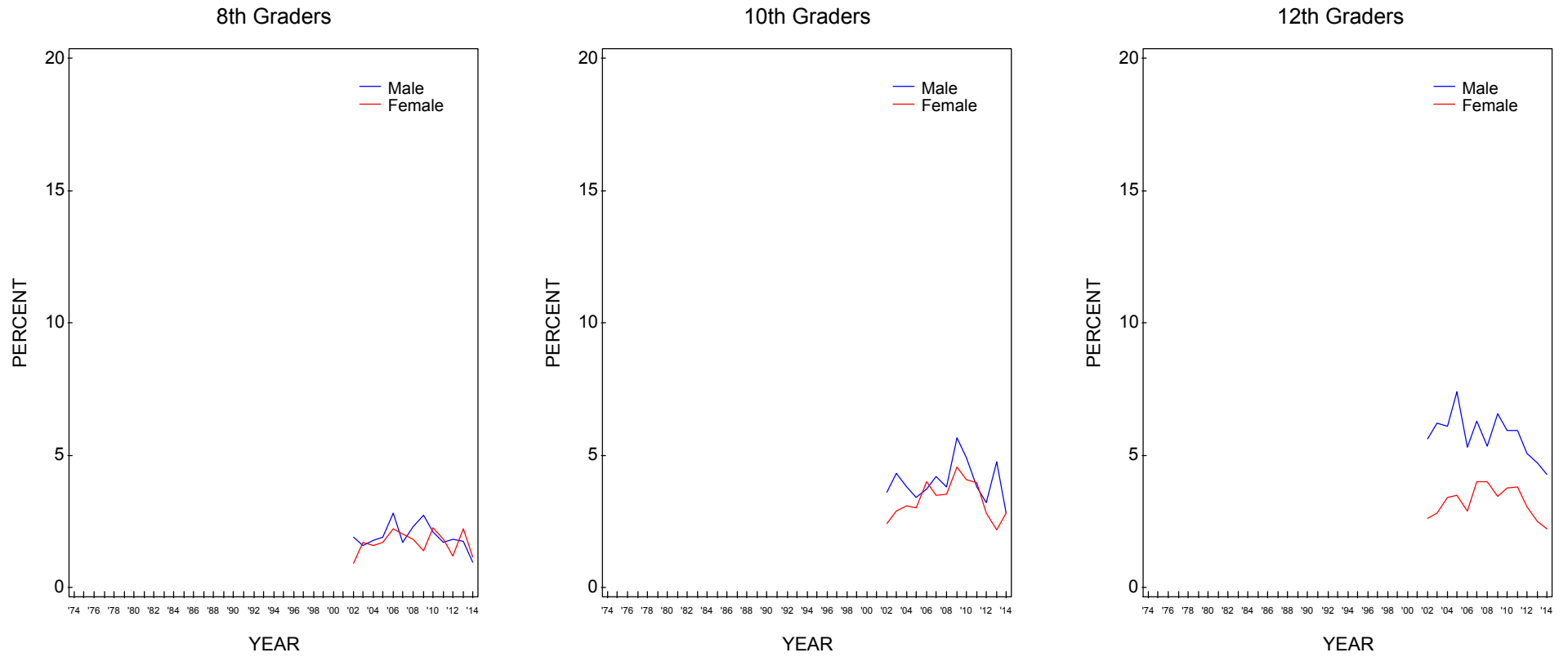


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on use of narcotics other than heroin was introduced. Refer to corresponding tables for further details.

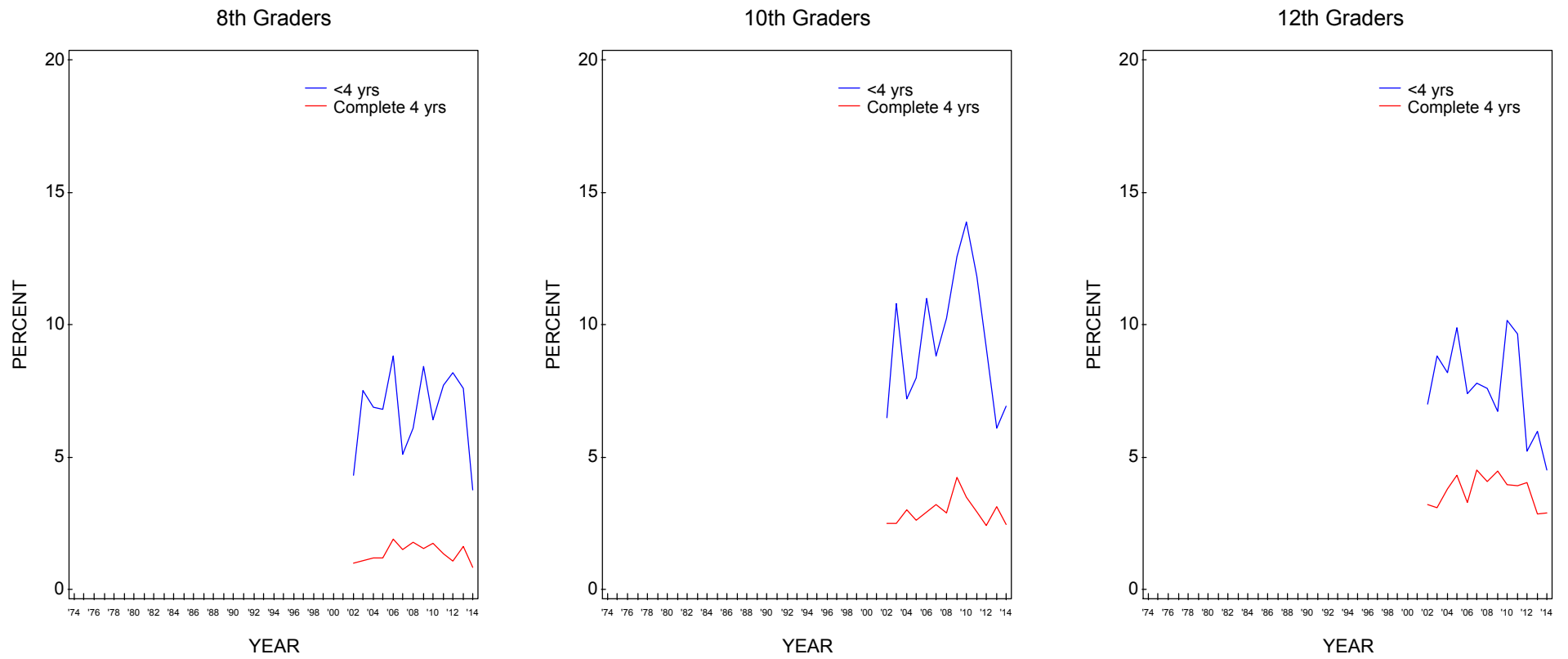
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 121
OxyContin: Trends in Annual Prevalence by Gender



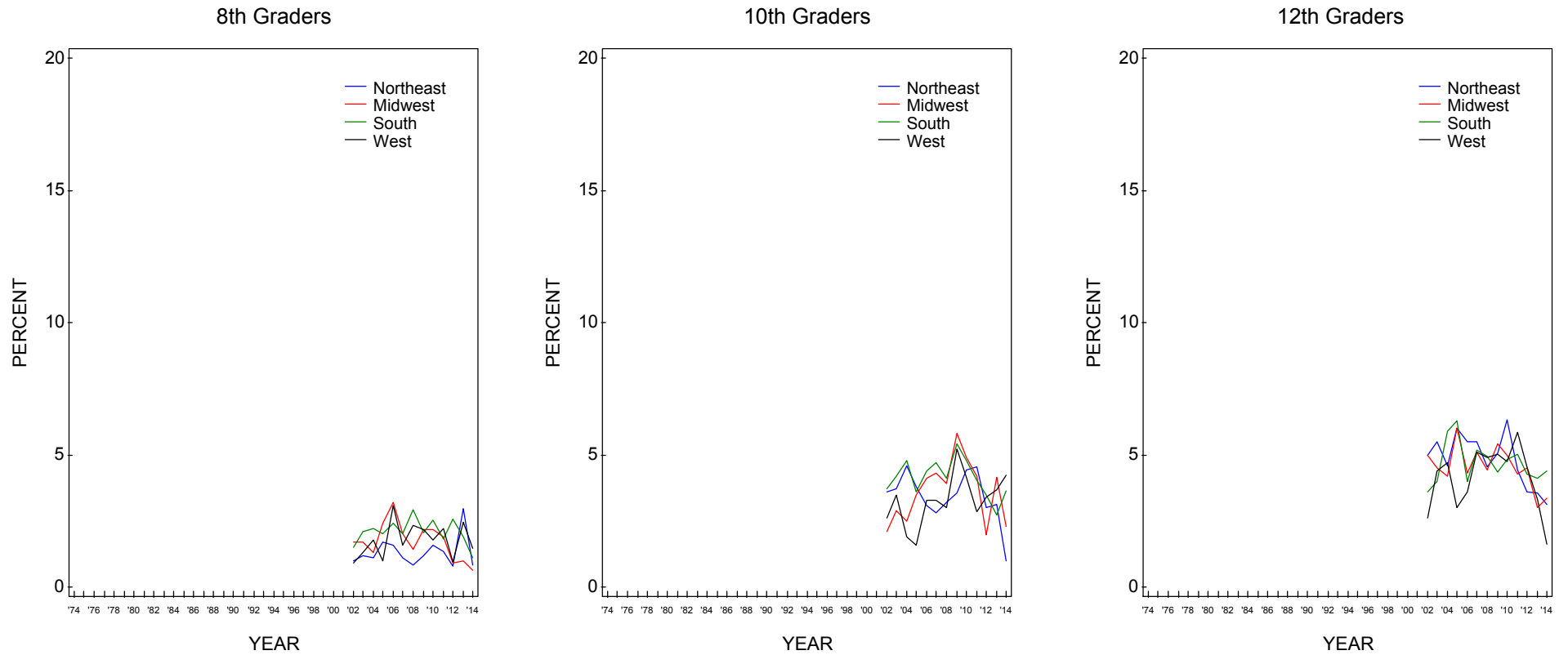
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 122
OxyContin: Trends in Annual Prevalence by College Plans



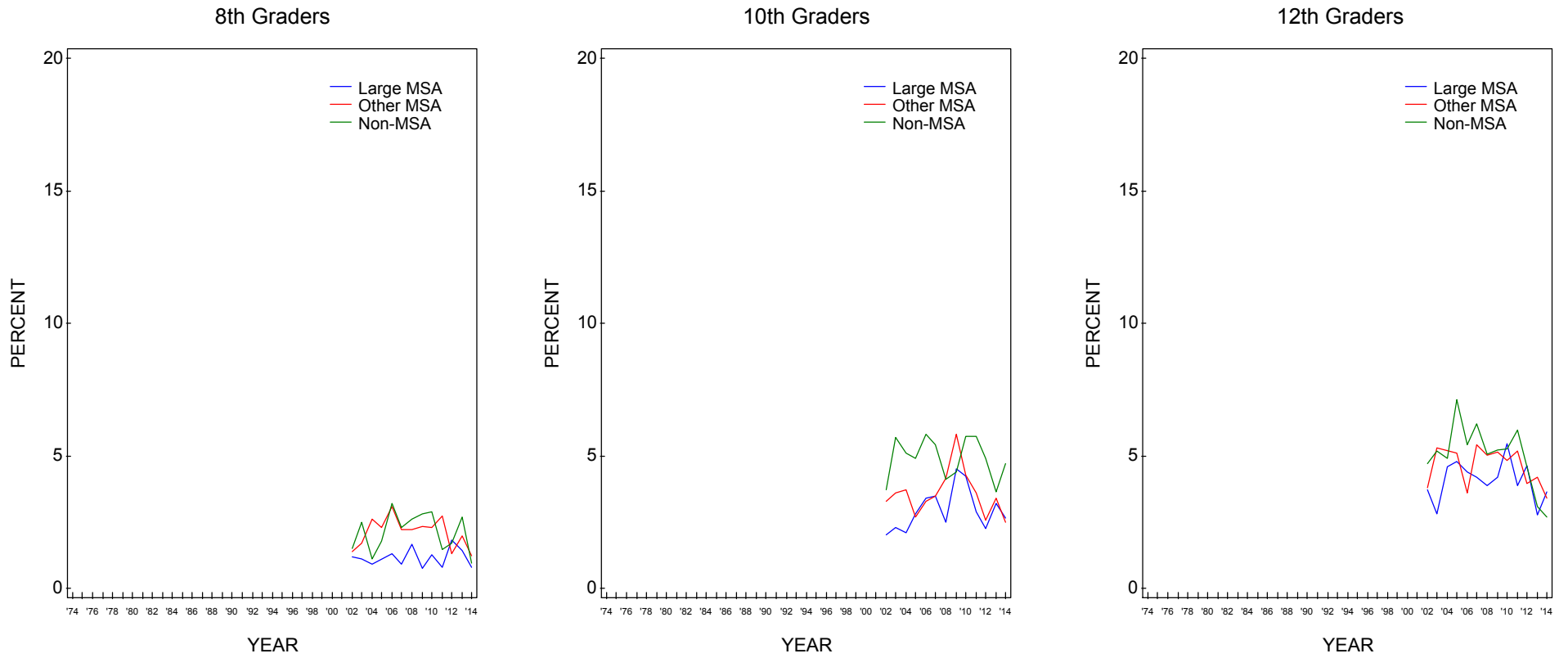
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 123
OxyContin: Trends in Annual Prevalence by Region



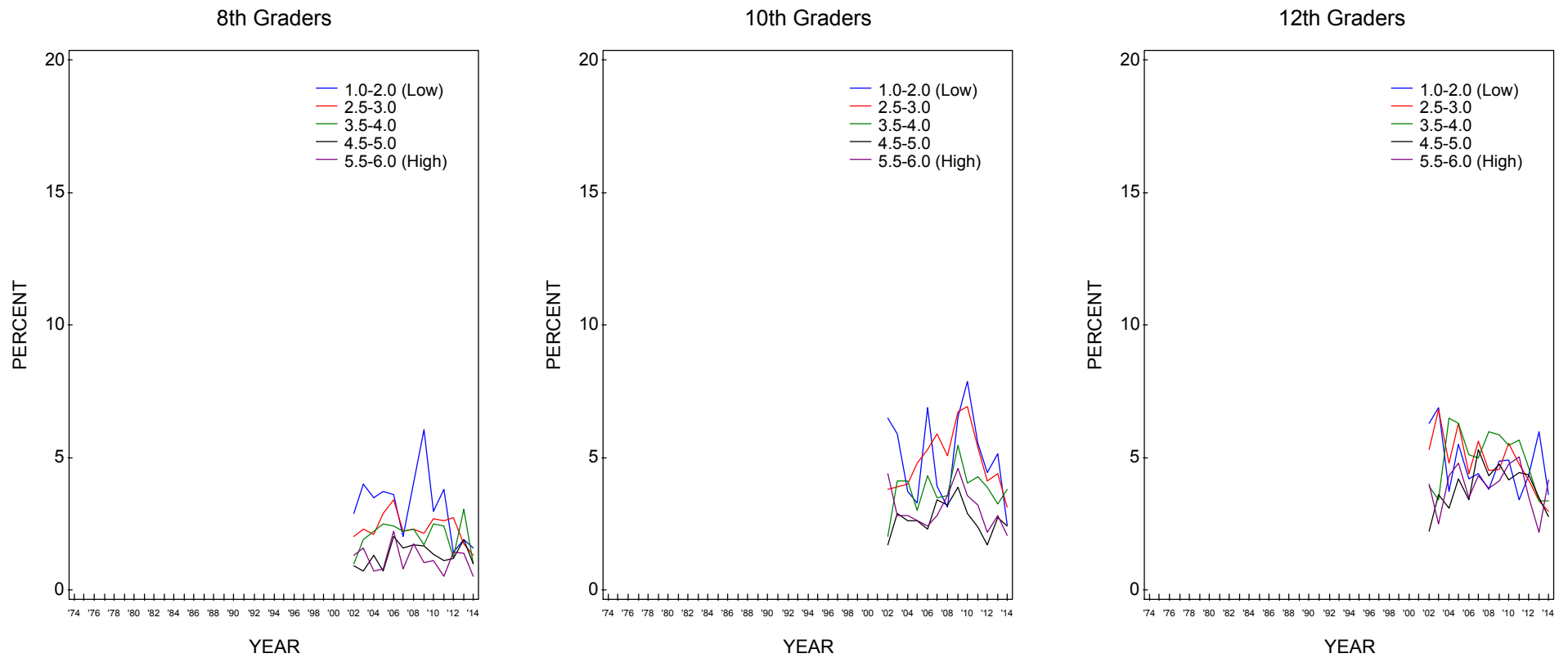
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 124
OxyContin: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

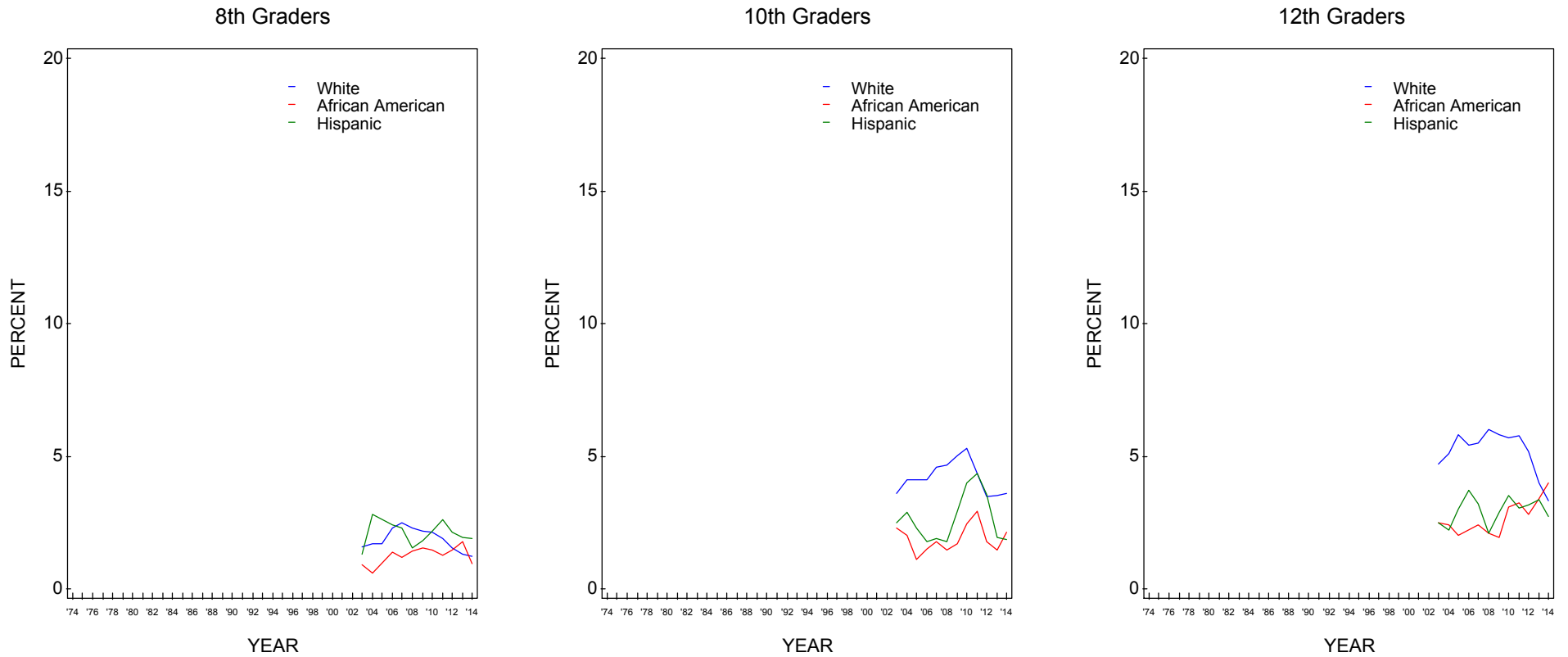
FIGURE 125
OxyContin: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

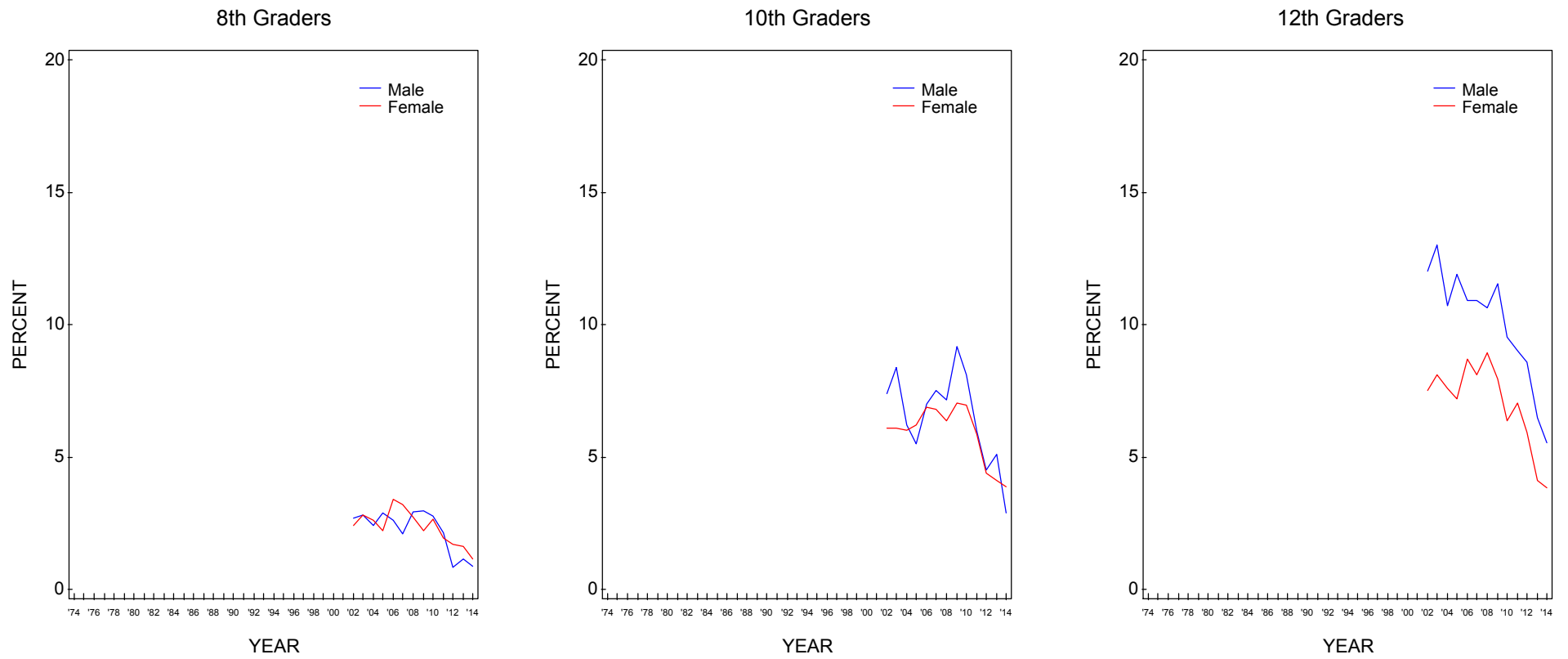
FIGURE 126
OxyContin: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

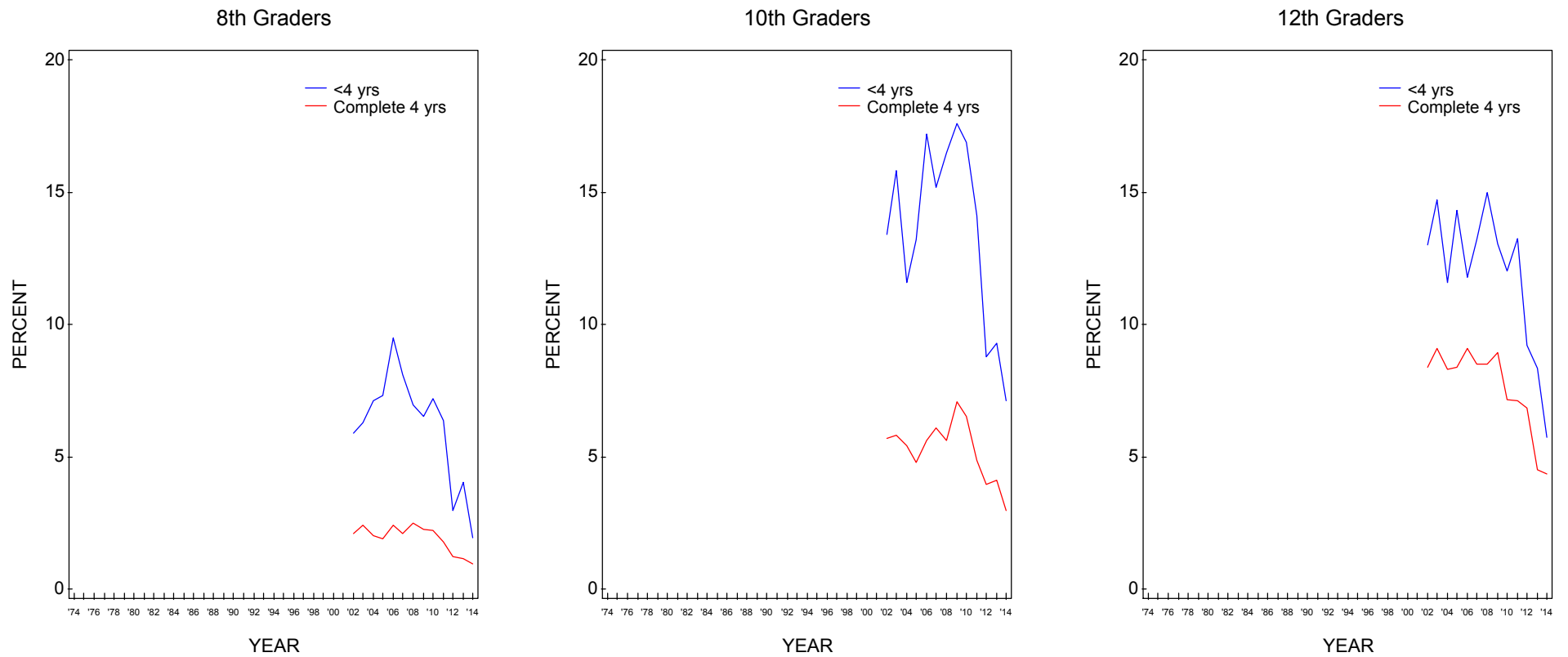
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 127
Vicodin: Trends in Annual Prevalence by Gender



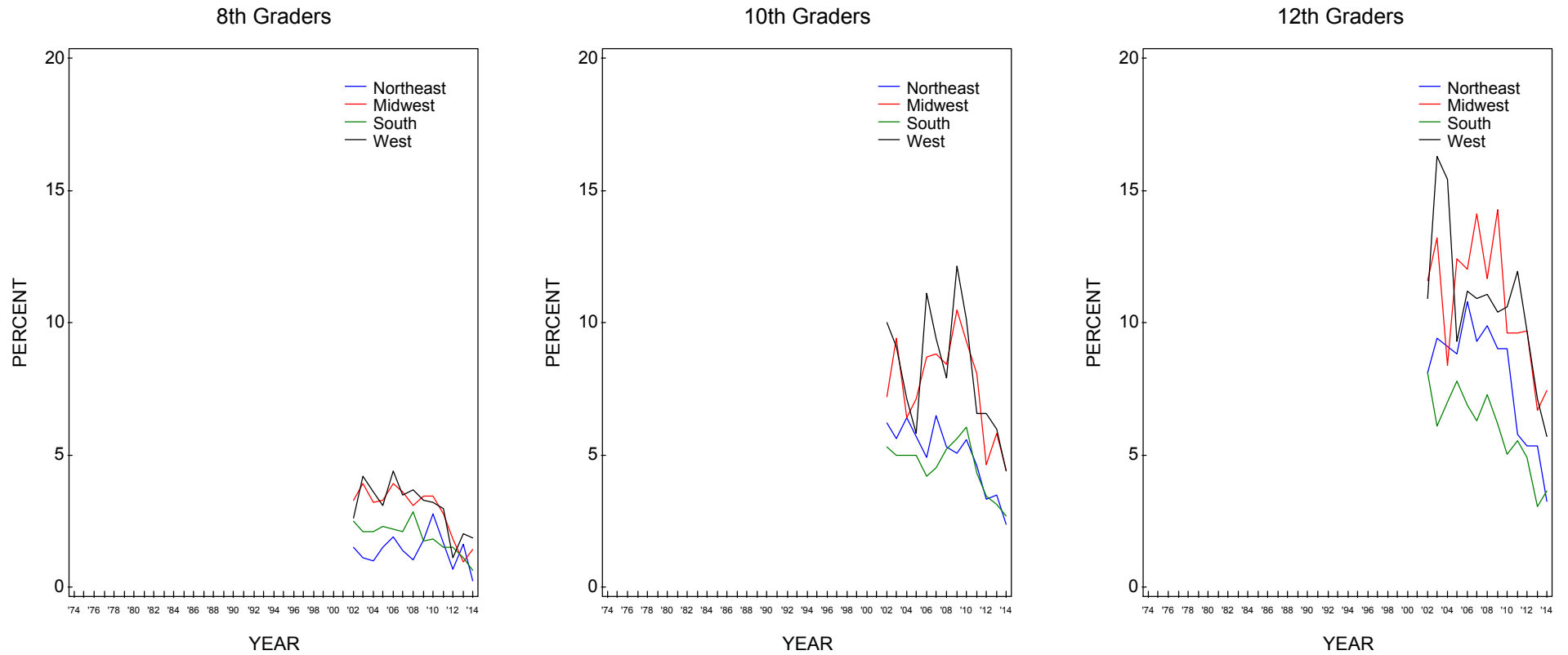
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 128
Vicodin: Trends in Annual Prevalence by College Plans



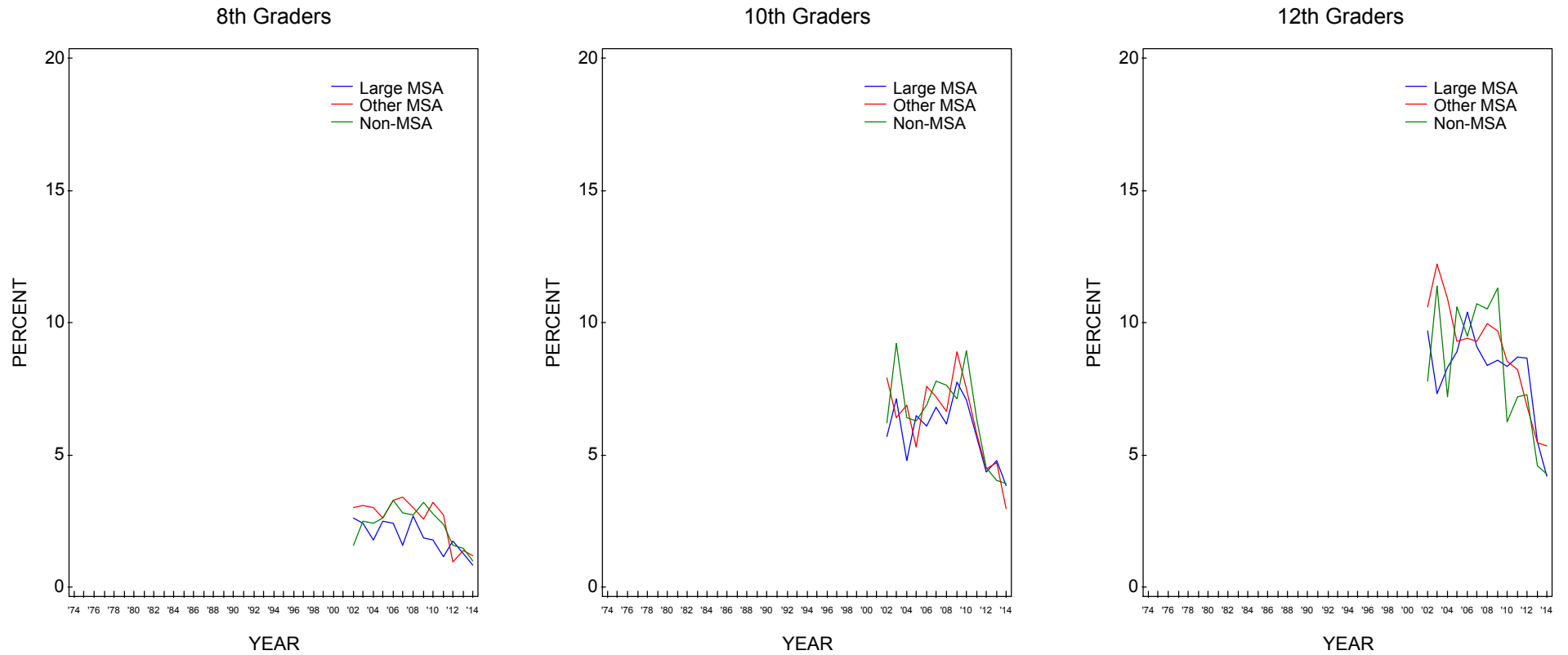
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 129
Vicodin: Trends in Annual Prevalence by Region



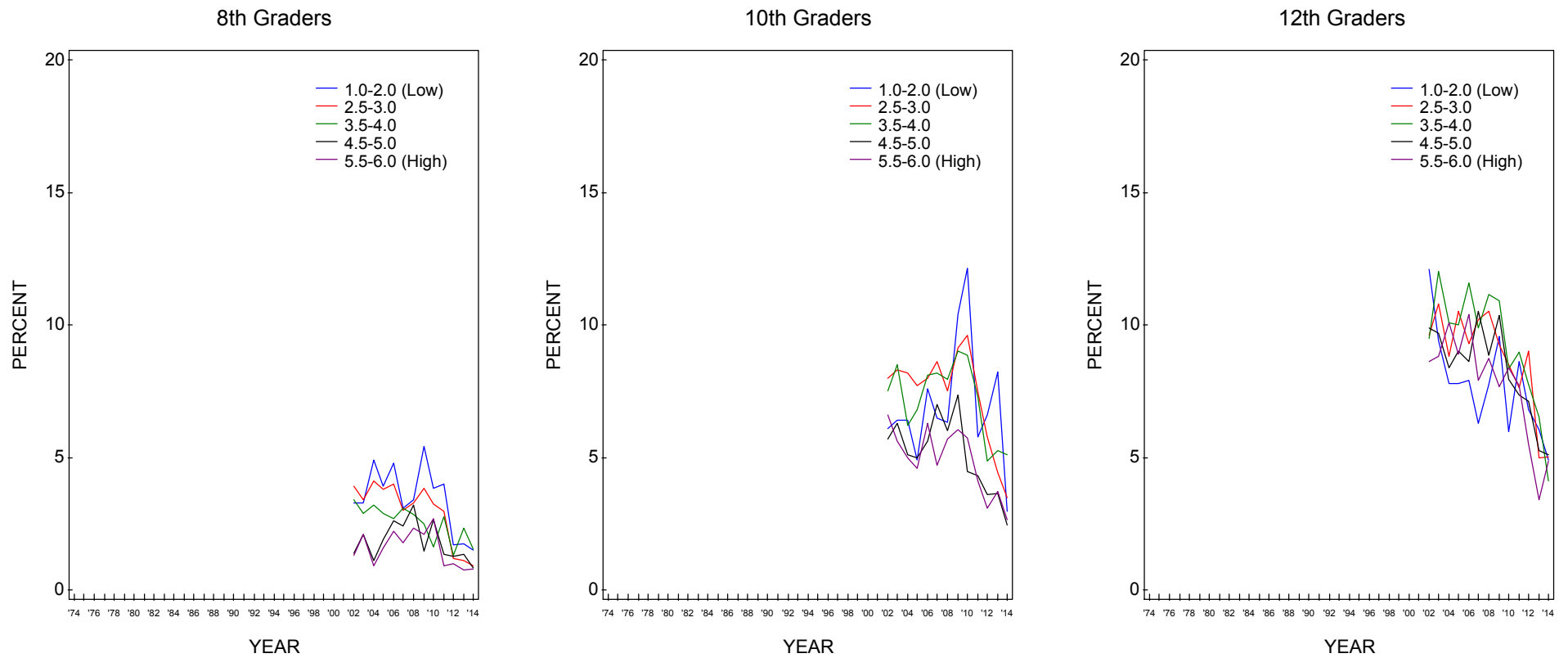
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 130
Vicodin: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

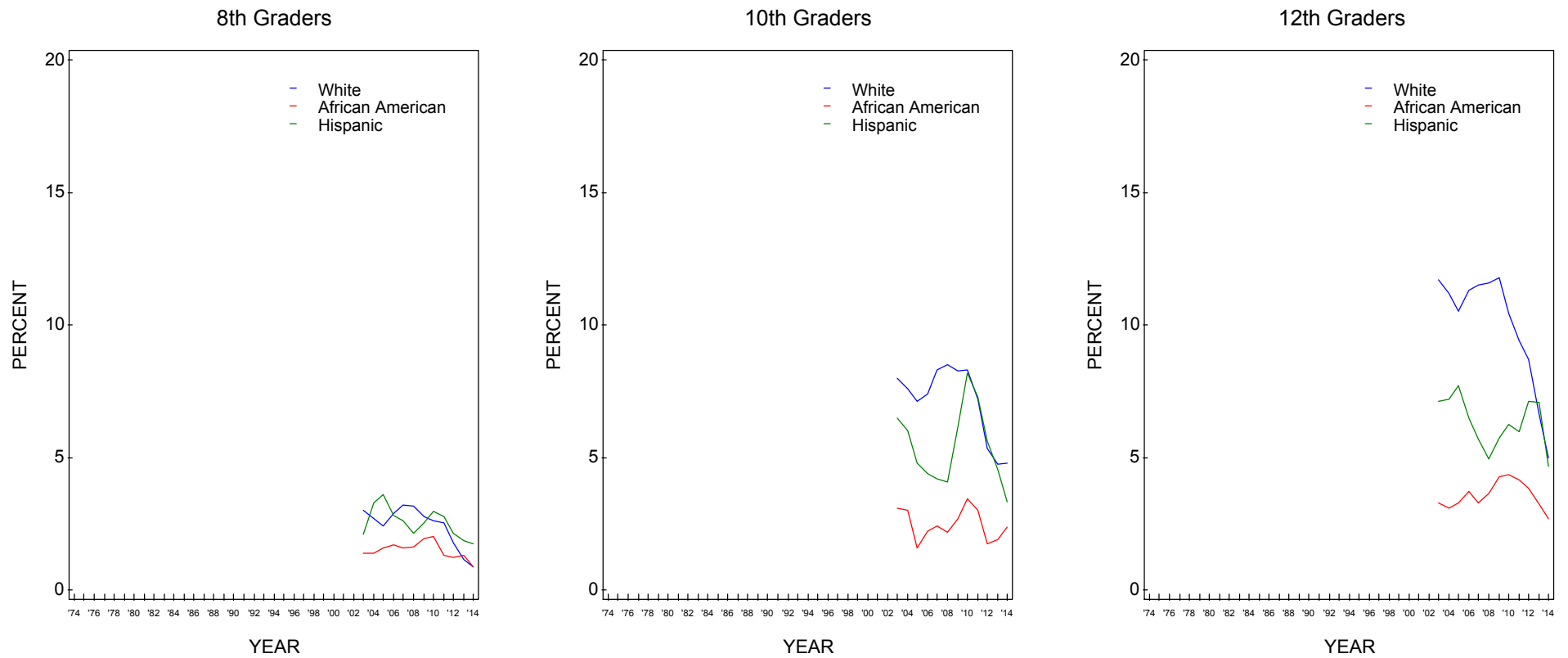
FIGURE 131
Vicodin: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

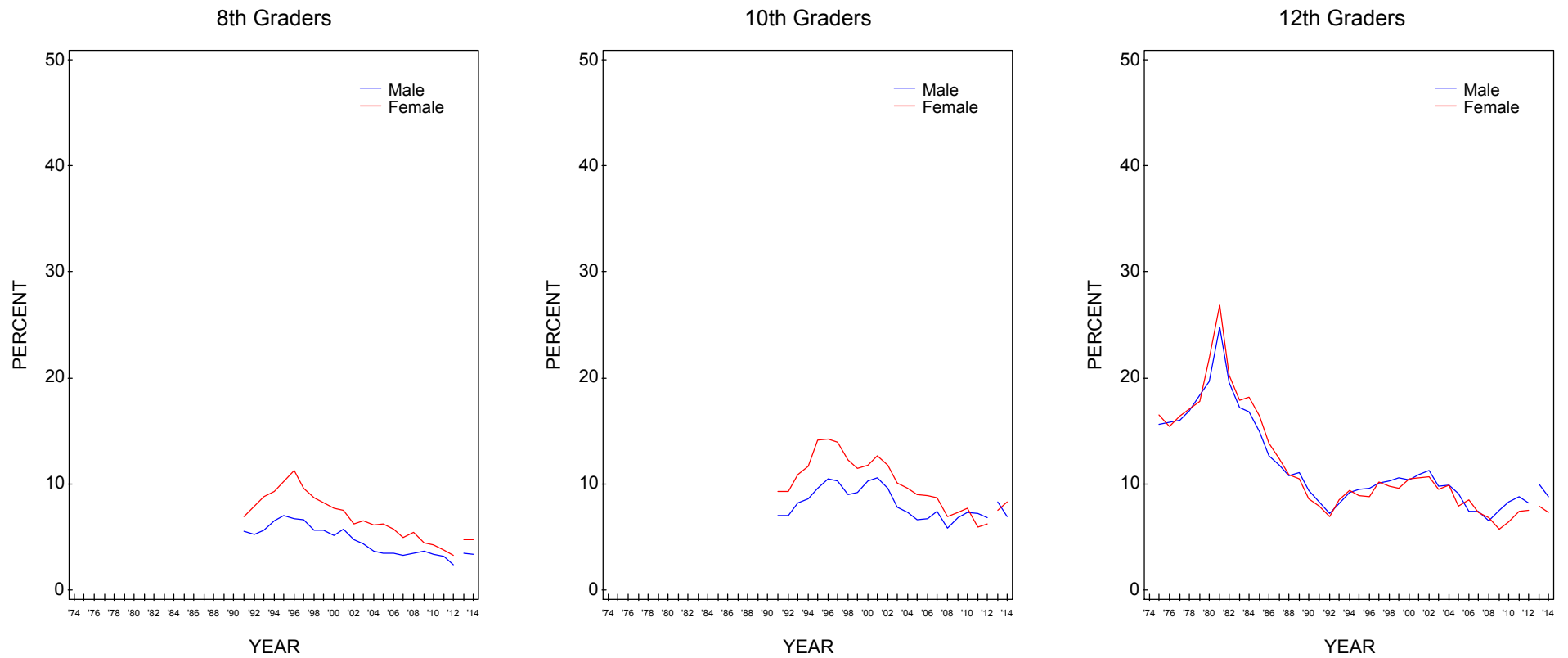
FIGURE 132
Vicodin: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 133
Amphetamines:* Trends in Annual Prevalence by Gender

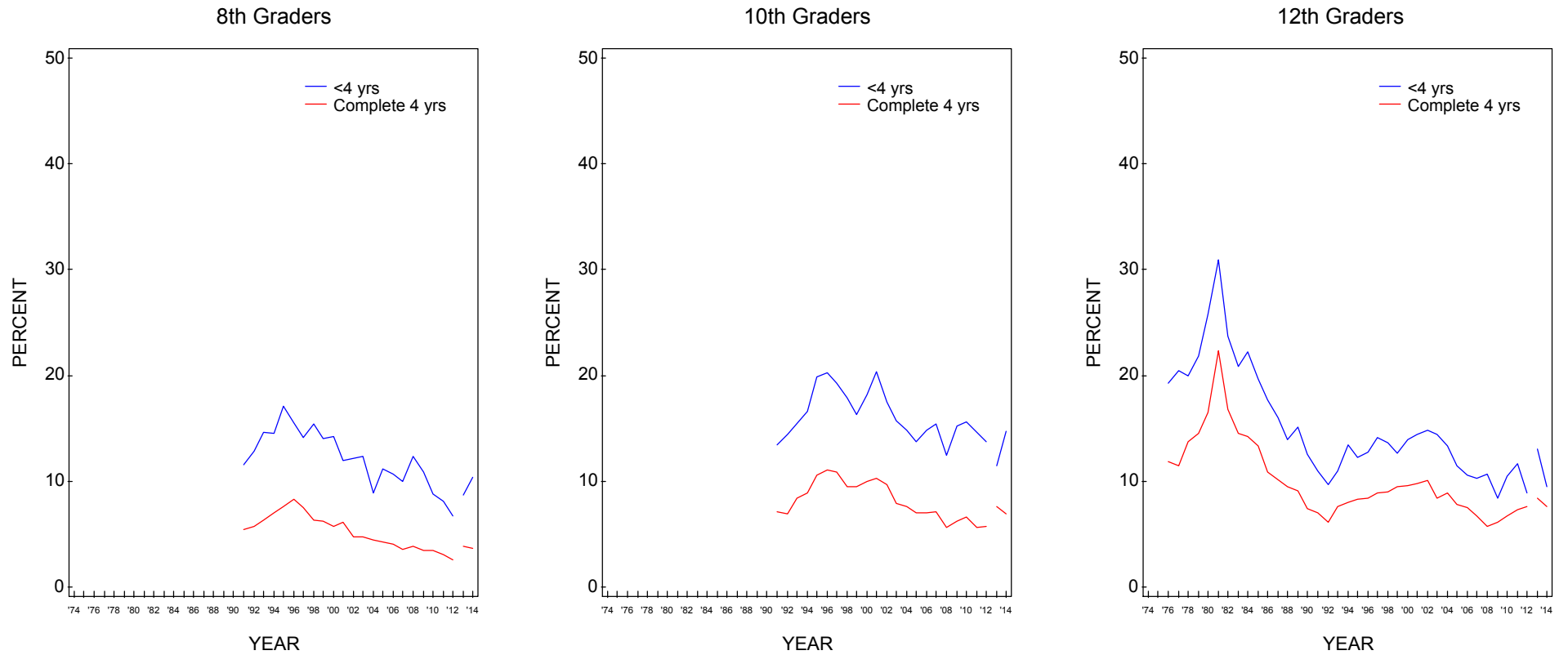


Source. The Monitoring the Future study, the University of Michigan.

*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

Beginning in 2013, a revised set of questions on amphetamine use was introduced. Refer to corresponding tables for further details.

FIGURE 134
Amphetamines:* Trends in Annual Prevalence by College Plans

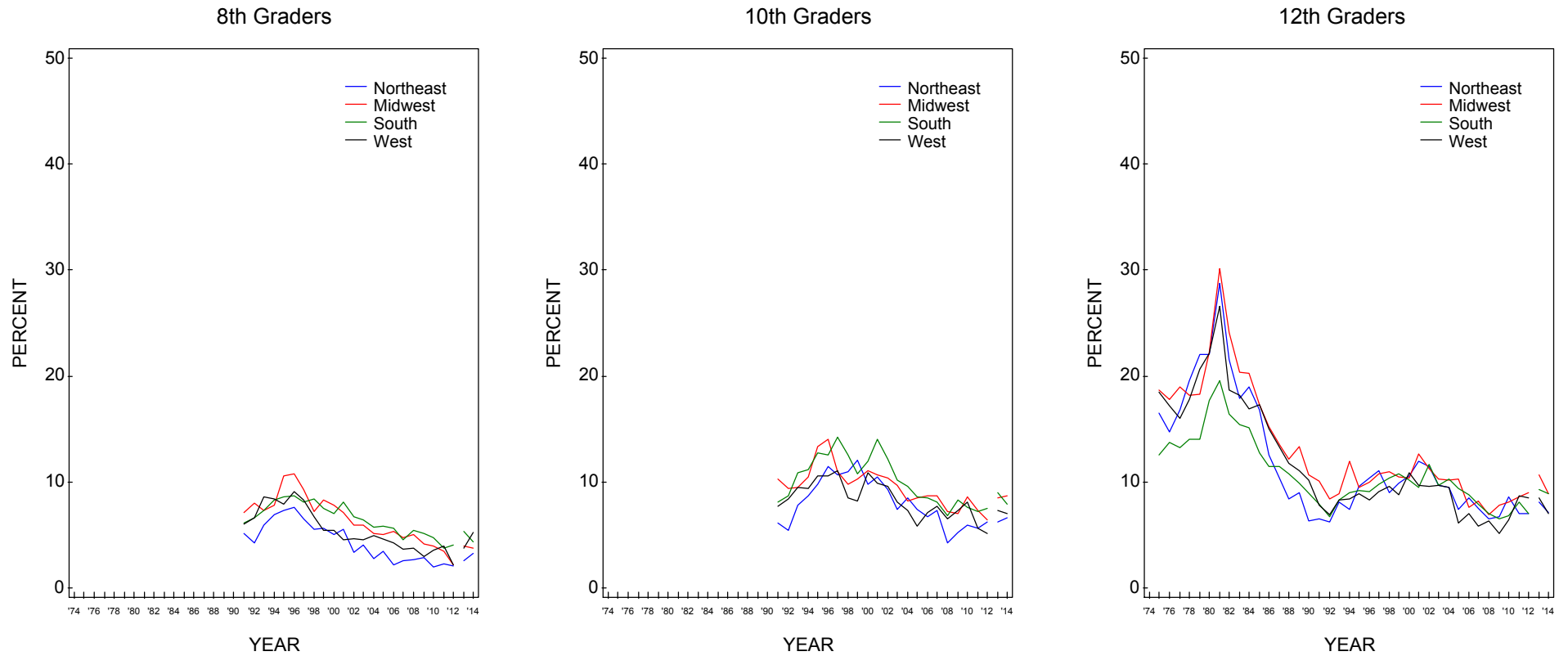


Source. The Monitoring the Future study, the University of Michigan.

*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

Beginning in 2013, a revised set of questions on amphetamine use was introduced. Refer to corresponding tables for further details.

FIGURE 135
Amphetamines:* Trends in Annual Prevalence by Region

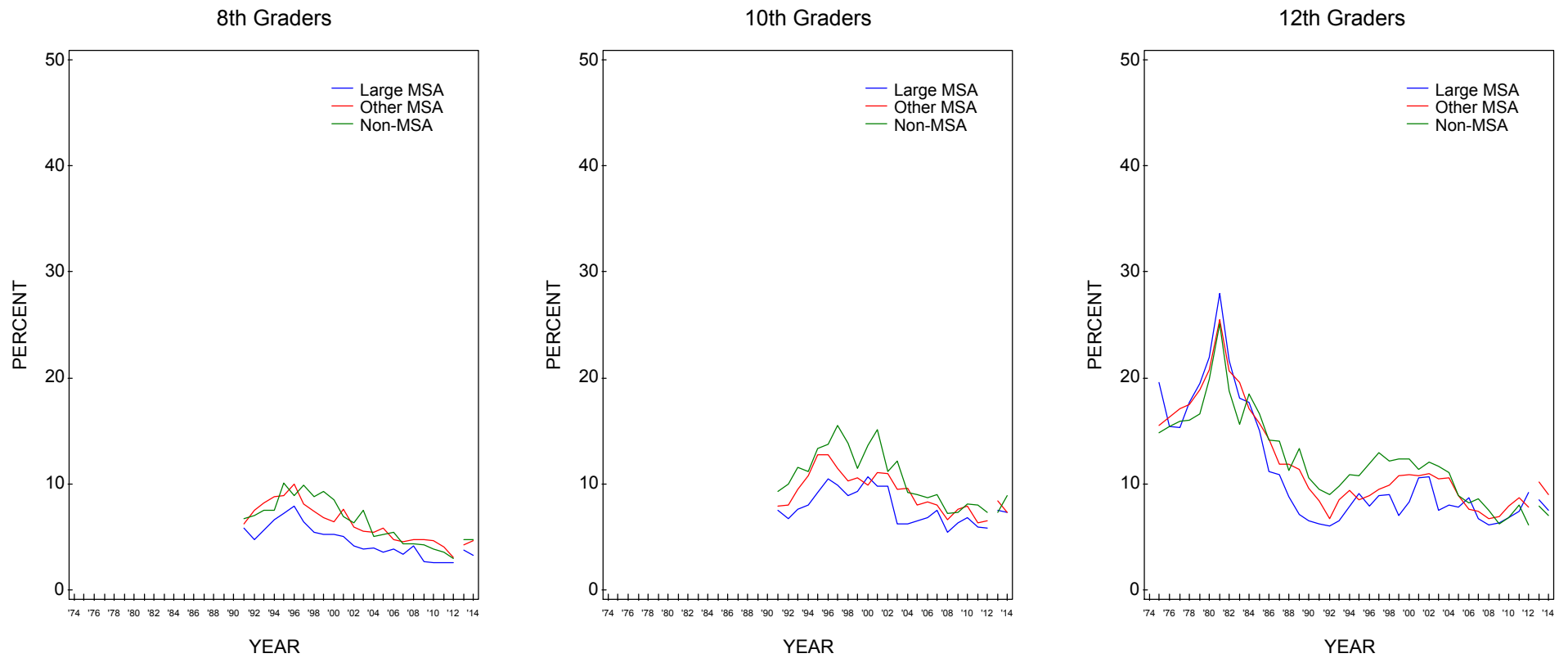


Source. The Monitoring the Future study, the University of Michigan.

*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

Beginning in 2013, a revised set of questions on amphetamine use was introduced. Refer to corresponding tables for further details.

FIGURE 136
Amphetamines:* Trends in Annual Prevalence by Population Density

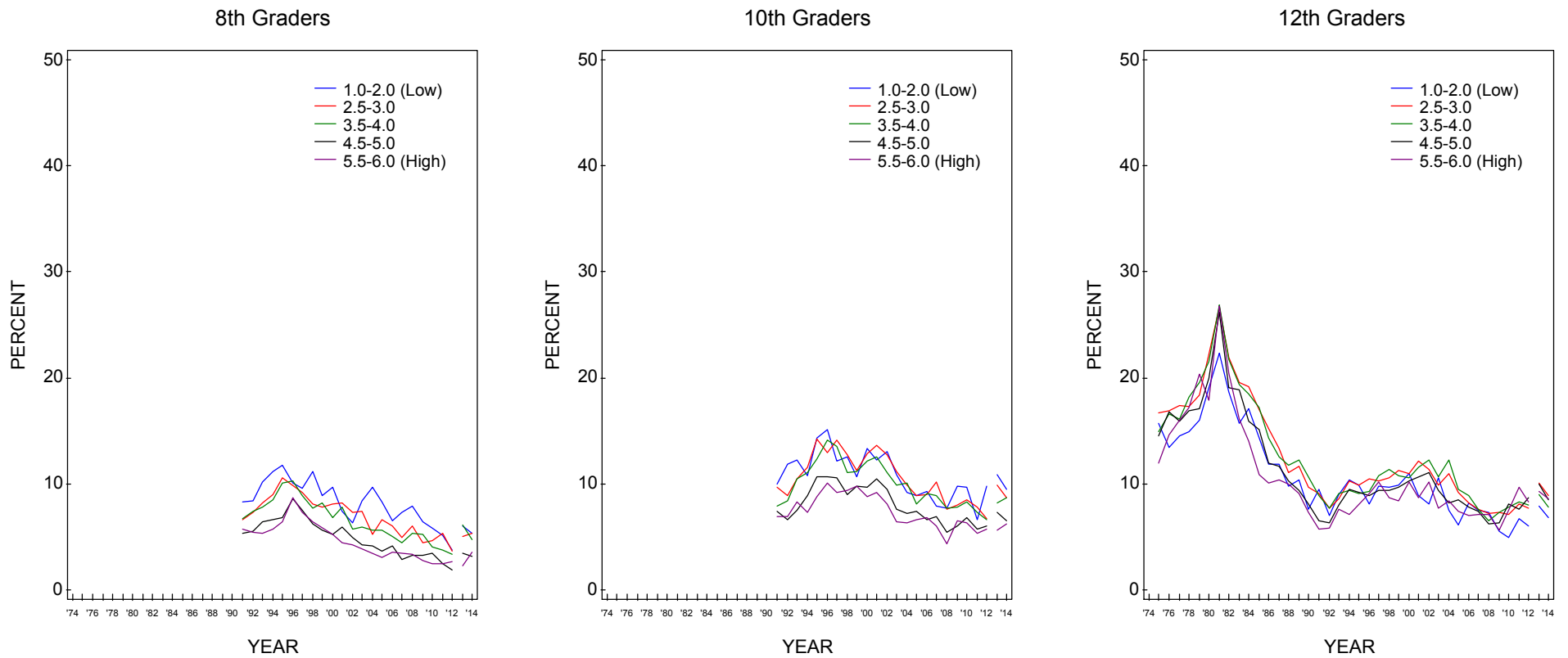


Source. The Monitoring the Future study, the University of Michigan.

*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

Beginning in 2013, a revised set of questions on amphetamine use was introduced. Refer to corresponding tables for further details.

FIGURE 137
Amphetamines:* Trends in Annual Prevalence by Average Education Level of Parents**



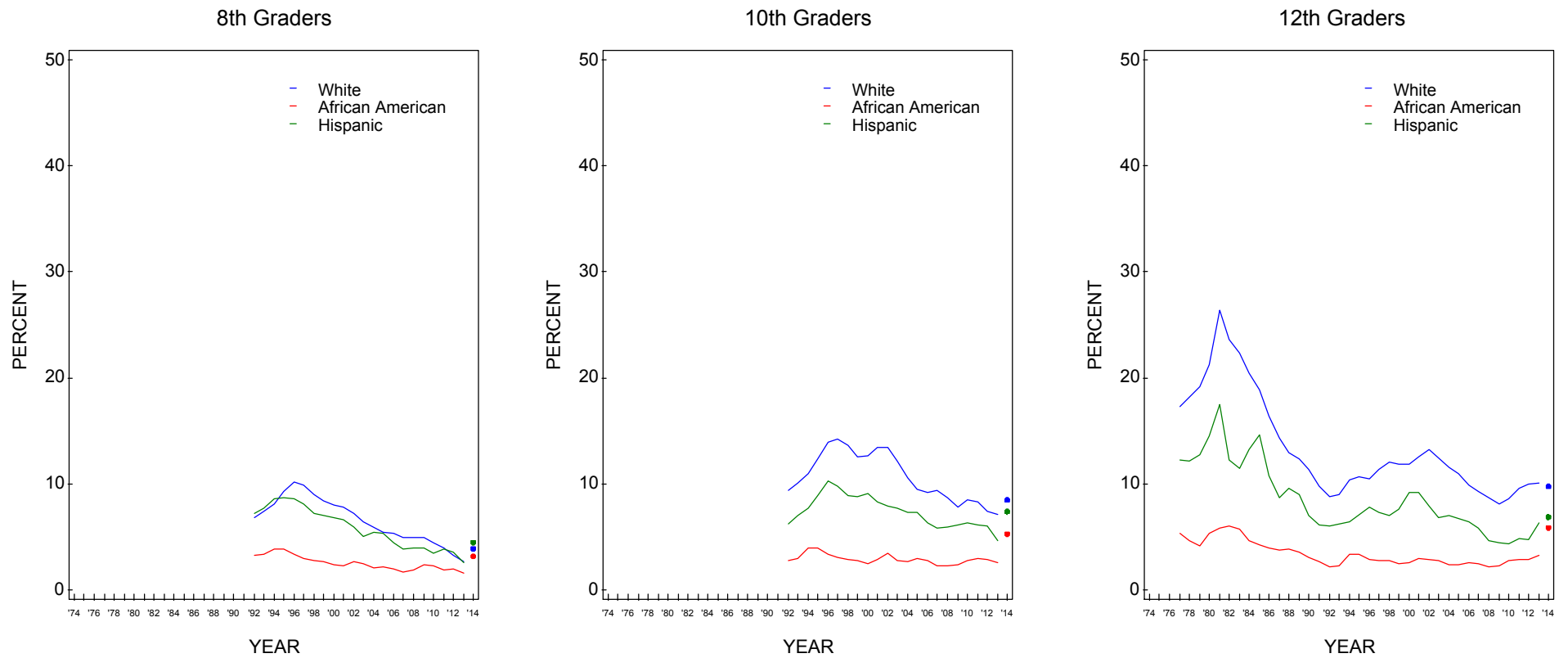
Source. The Monitoring the Future study, the University of Michigan.

*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

Beginning in 2013, a revised set of questions on amphetamine use was introduced. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 138
Amphetamines:* Trends in Annual Prevalence by Race/Ethnicity**



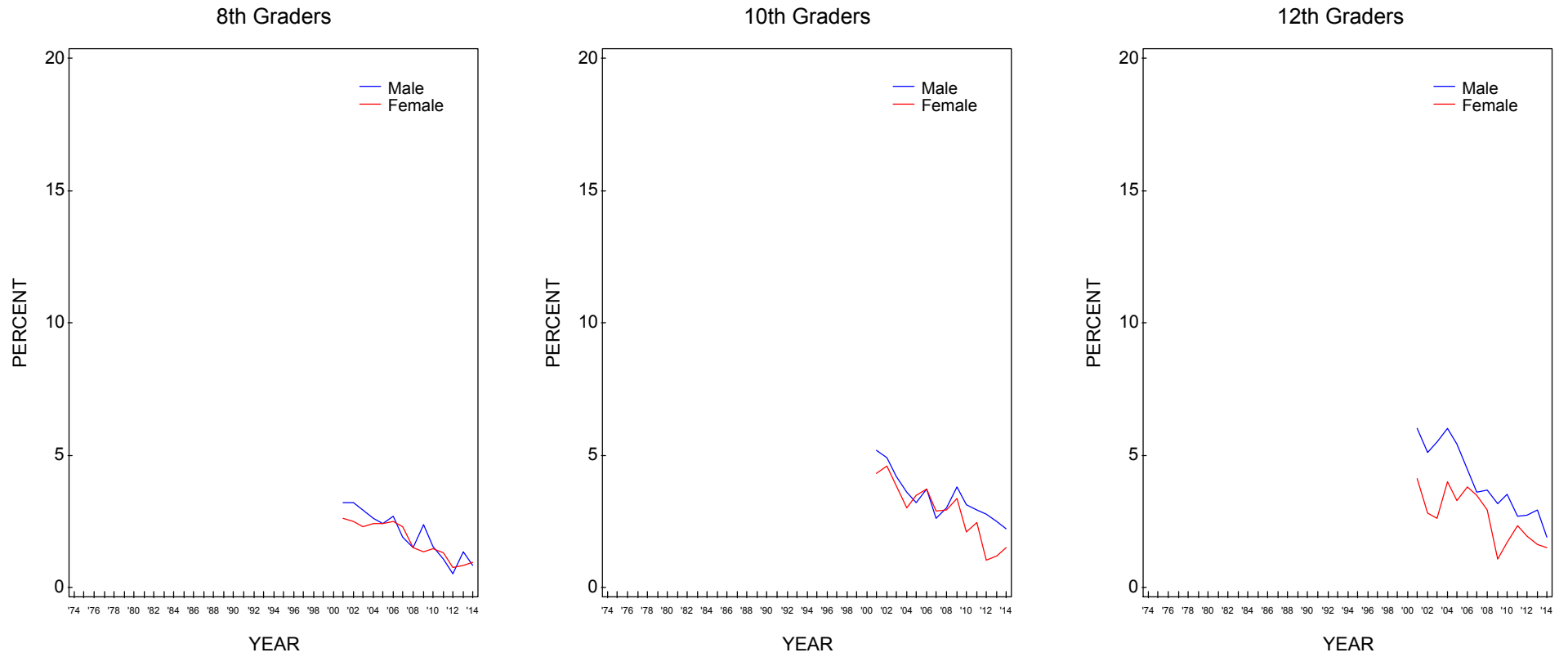
Source. The Monitoring the Future study, the University of Michigan.

*After 1982, the question about amphetamine use was revised to further clarify that nonprescription stimulants should not be included in the answers.

In 2013, for the questions on the use of amphetamines, the text was changed on two of the questionnaire forms for 8th and 10th graders and four of the questionnaire forms for 12th graders. Data presented here for 2013 include only the unchanged forms.

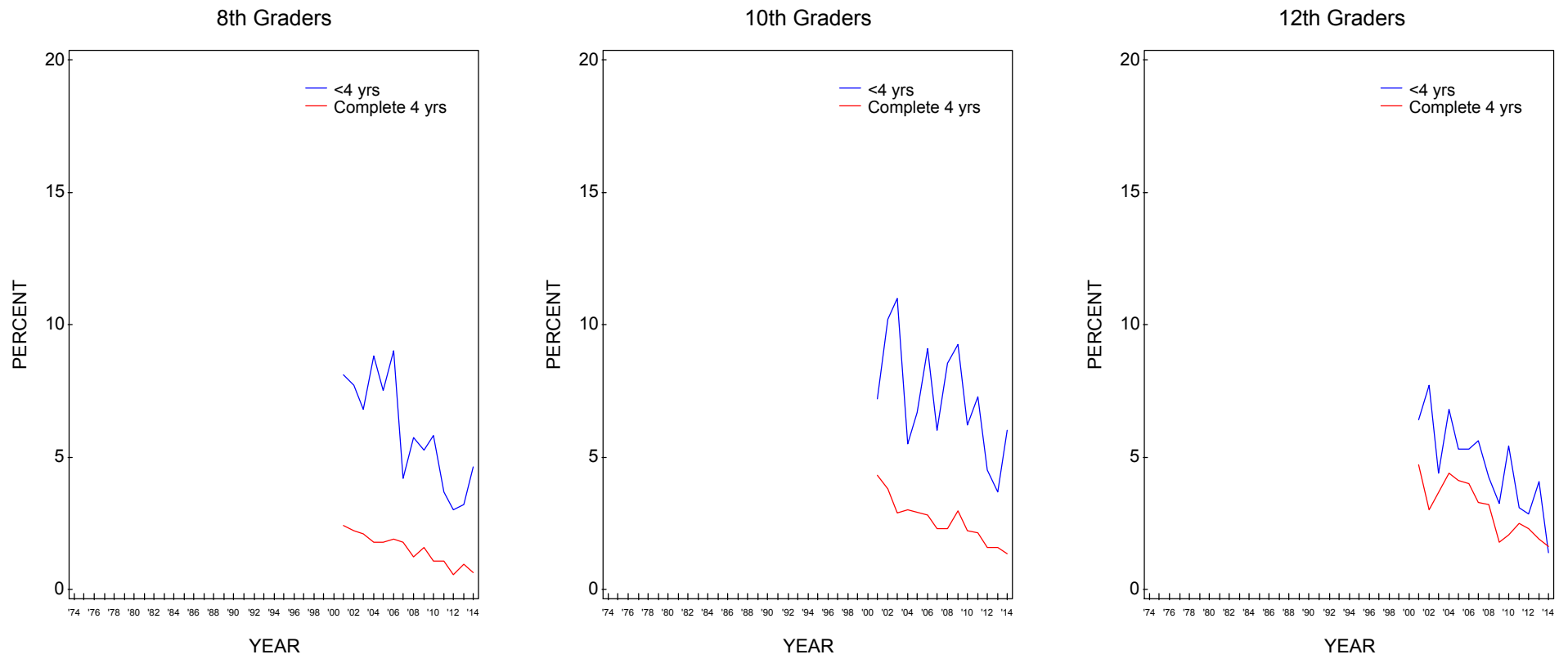
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 139
Ritalin: Trends in Annual Prevalence by Gender



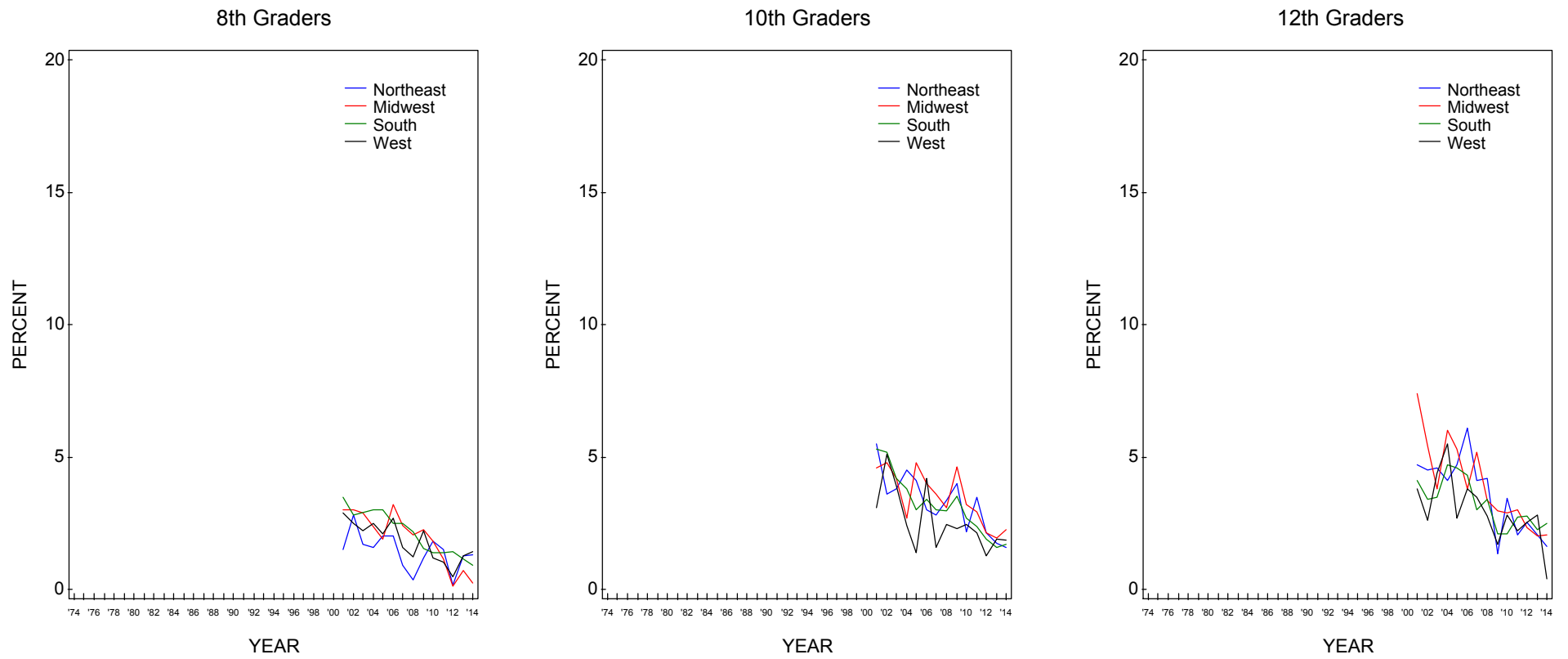
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 140
Ritalin: Trends in Annual Prevalence by College Plans



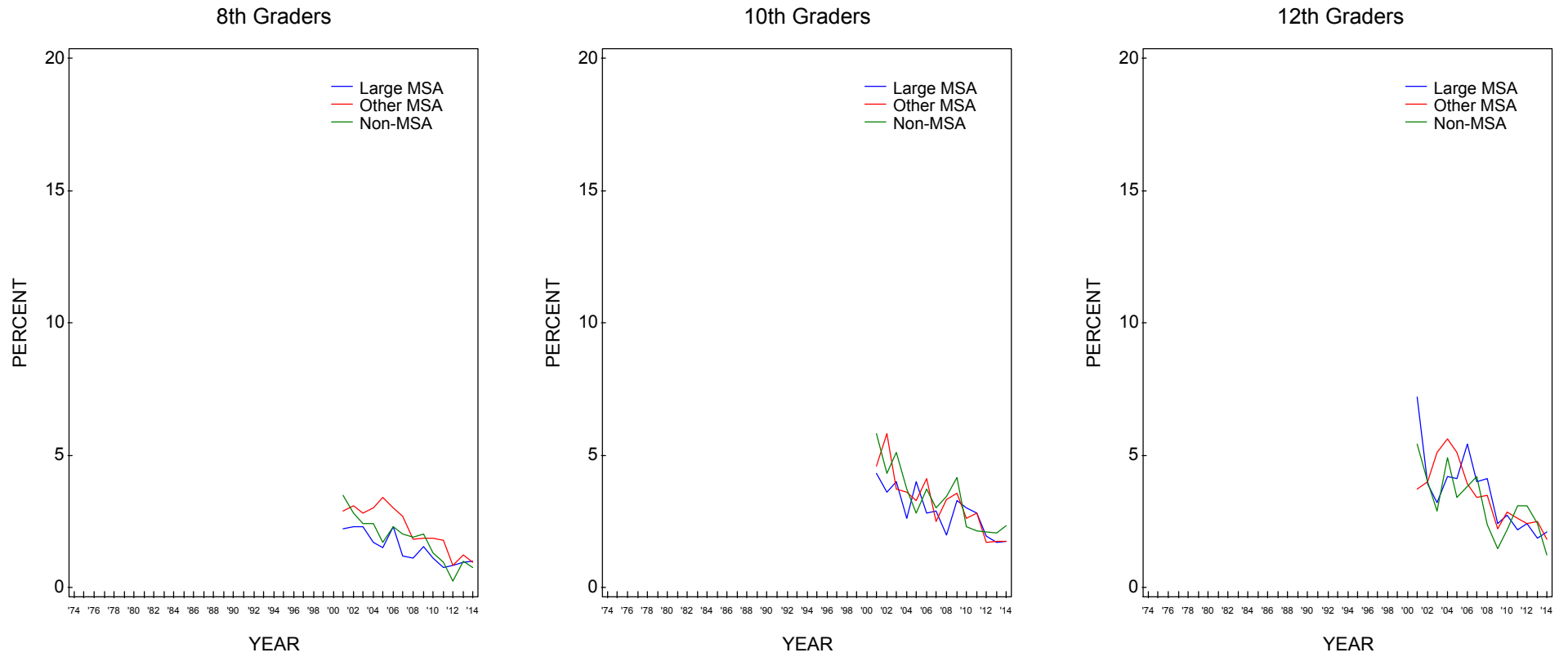
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 141
Ritalin: Trends in Annual Prevalence by Region



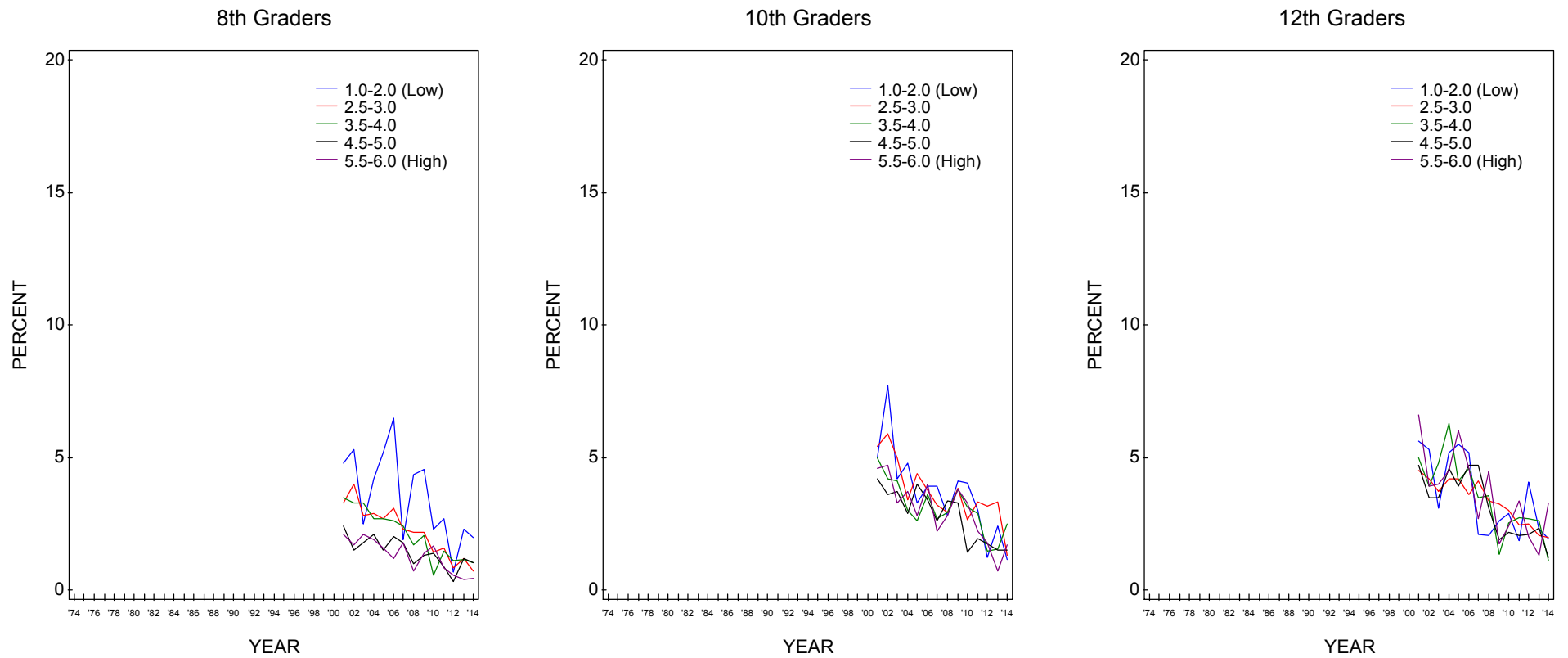
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 142
Ritalin: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

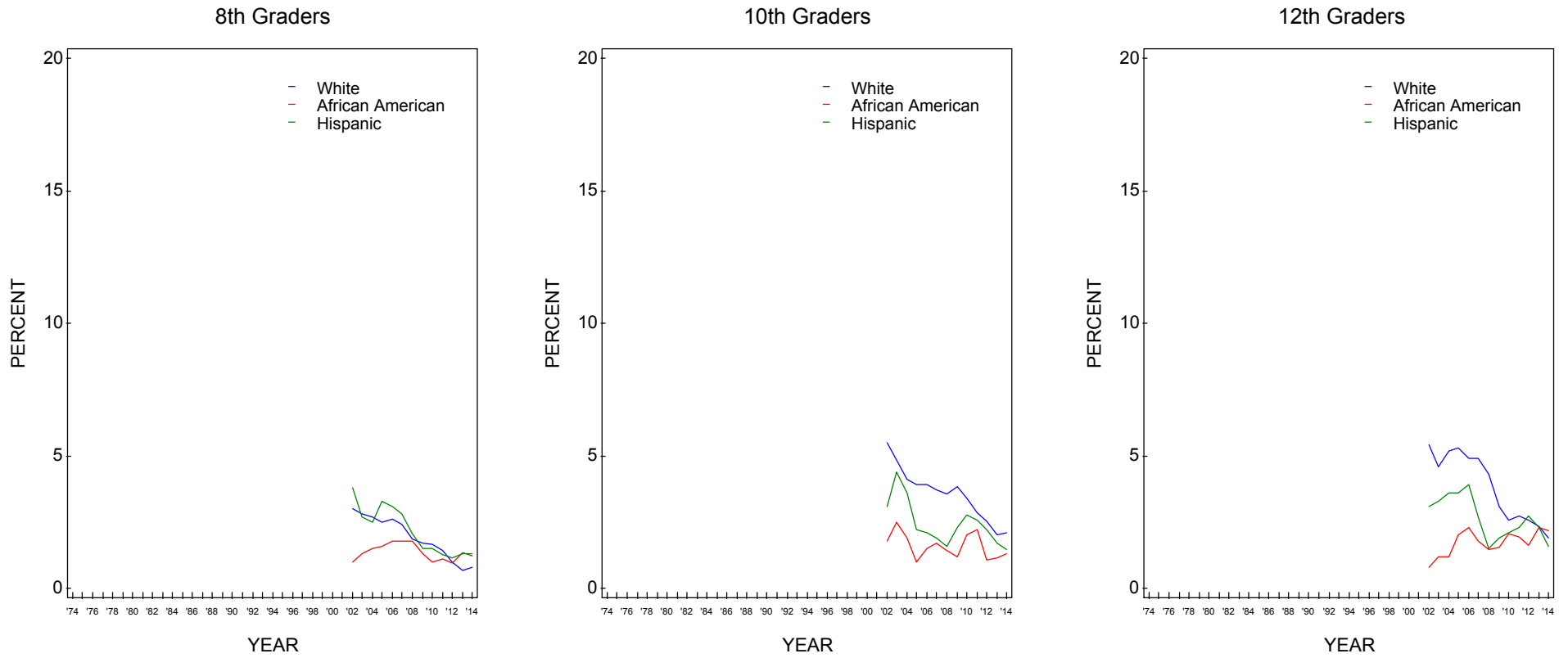
FIGURE 143
Ritalin: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

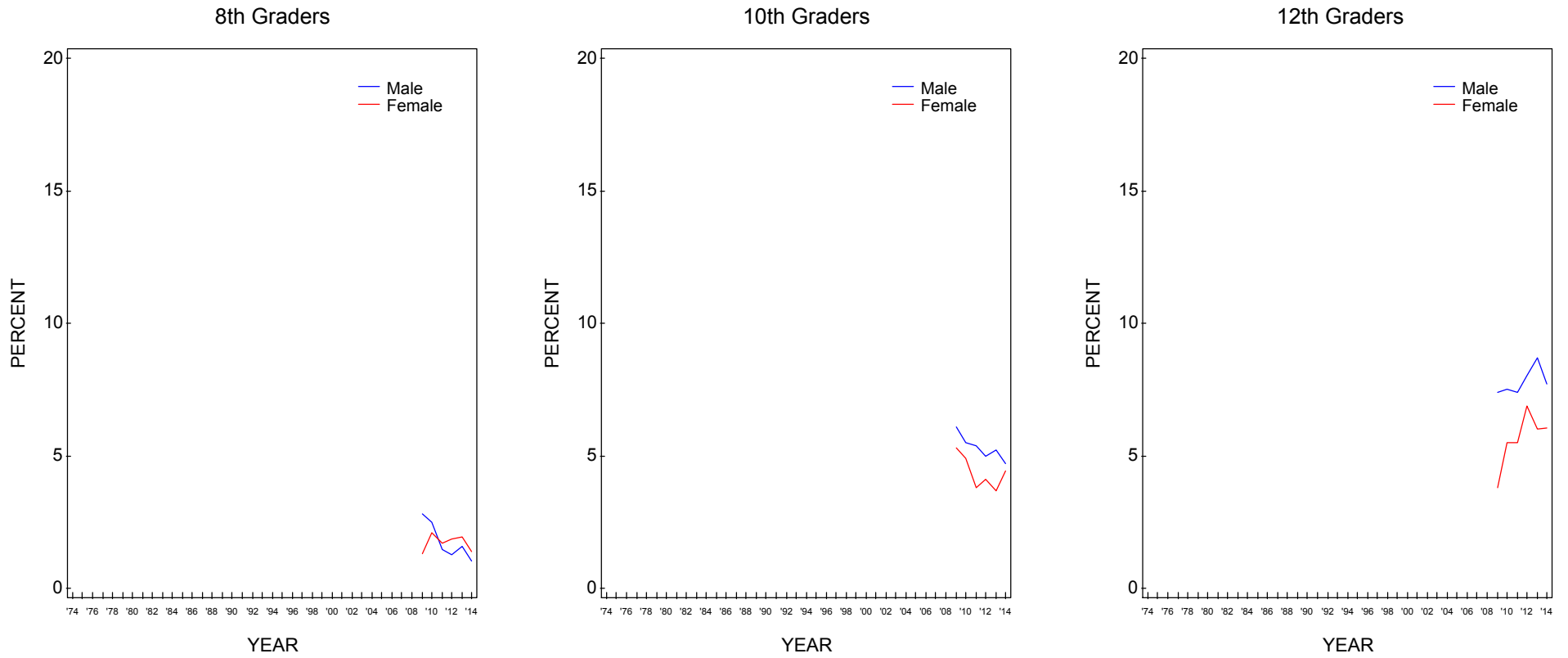
FIGURE 144
Ritalin: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

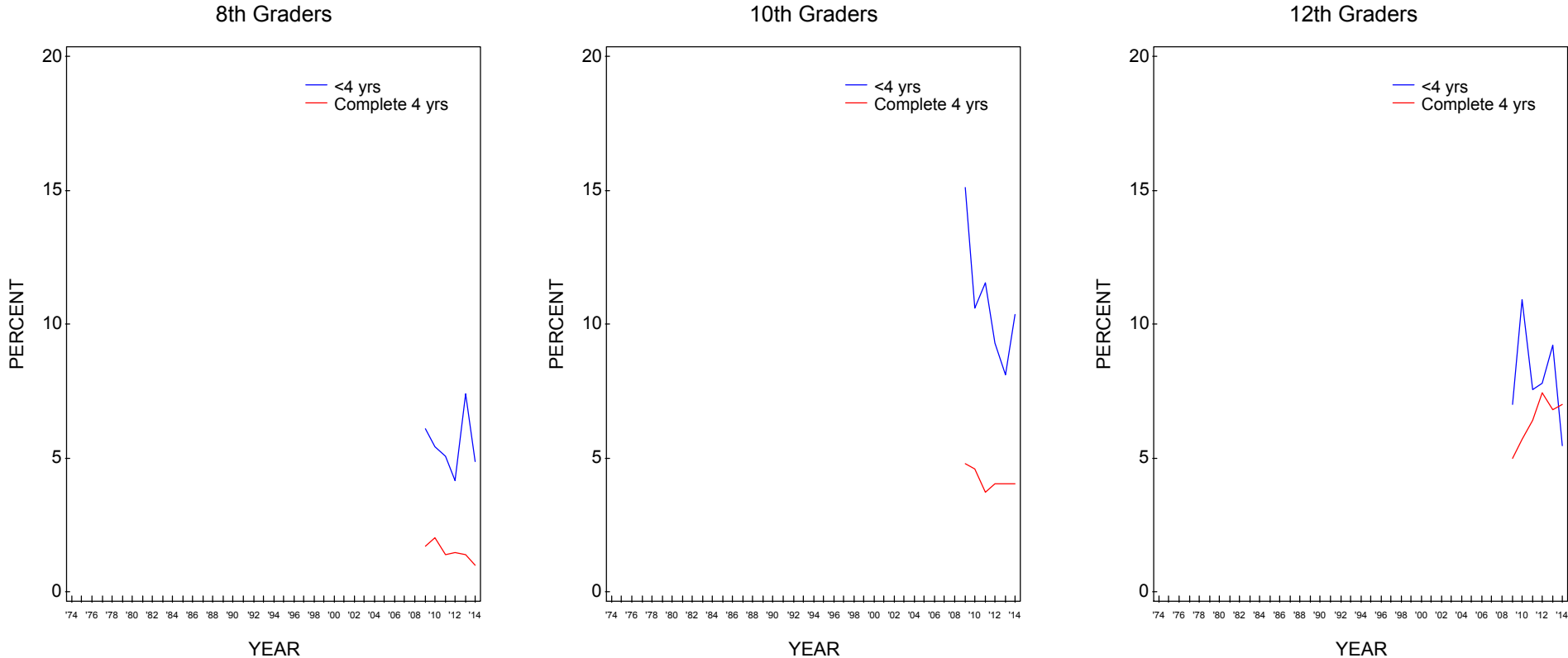
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 145
Adderall: Trends in Annual Prevalence by Gender



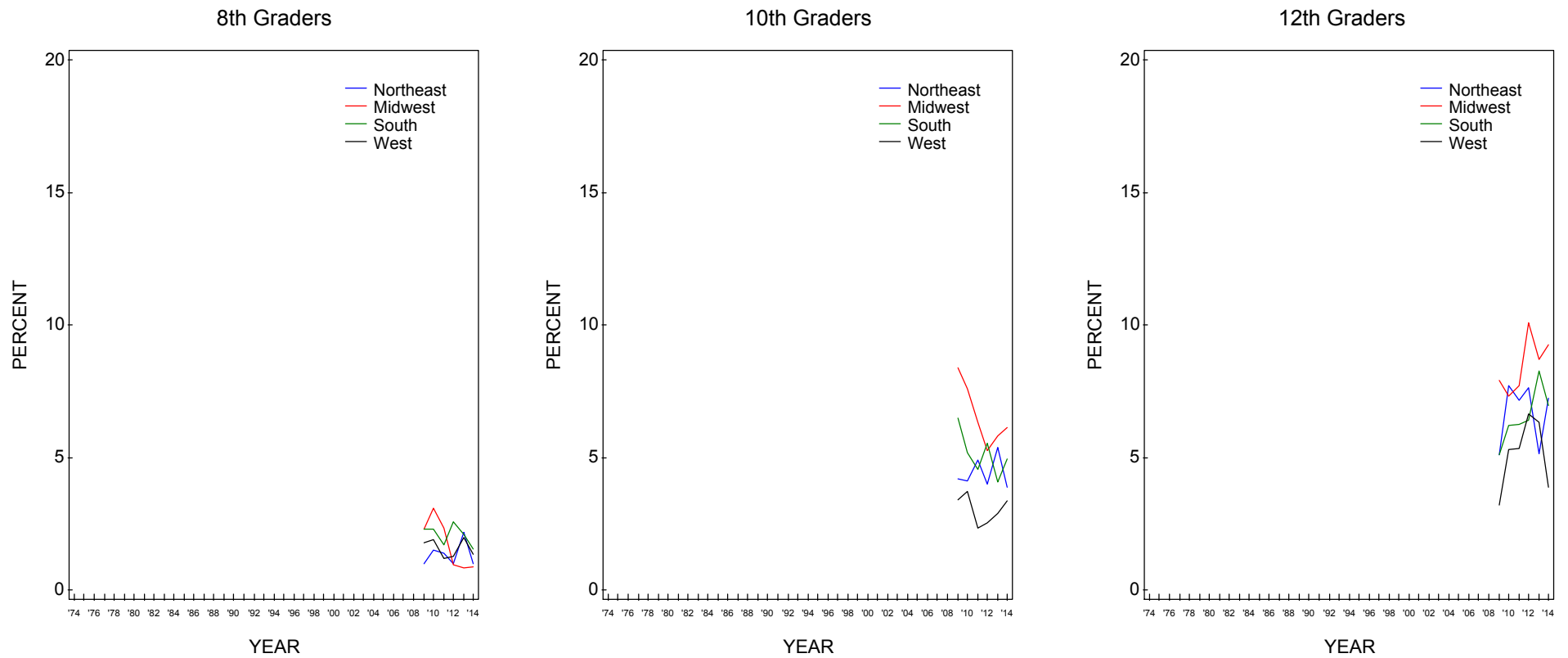
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 146
Adderall: Trends in Annual Prevalence by College Plans



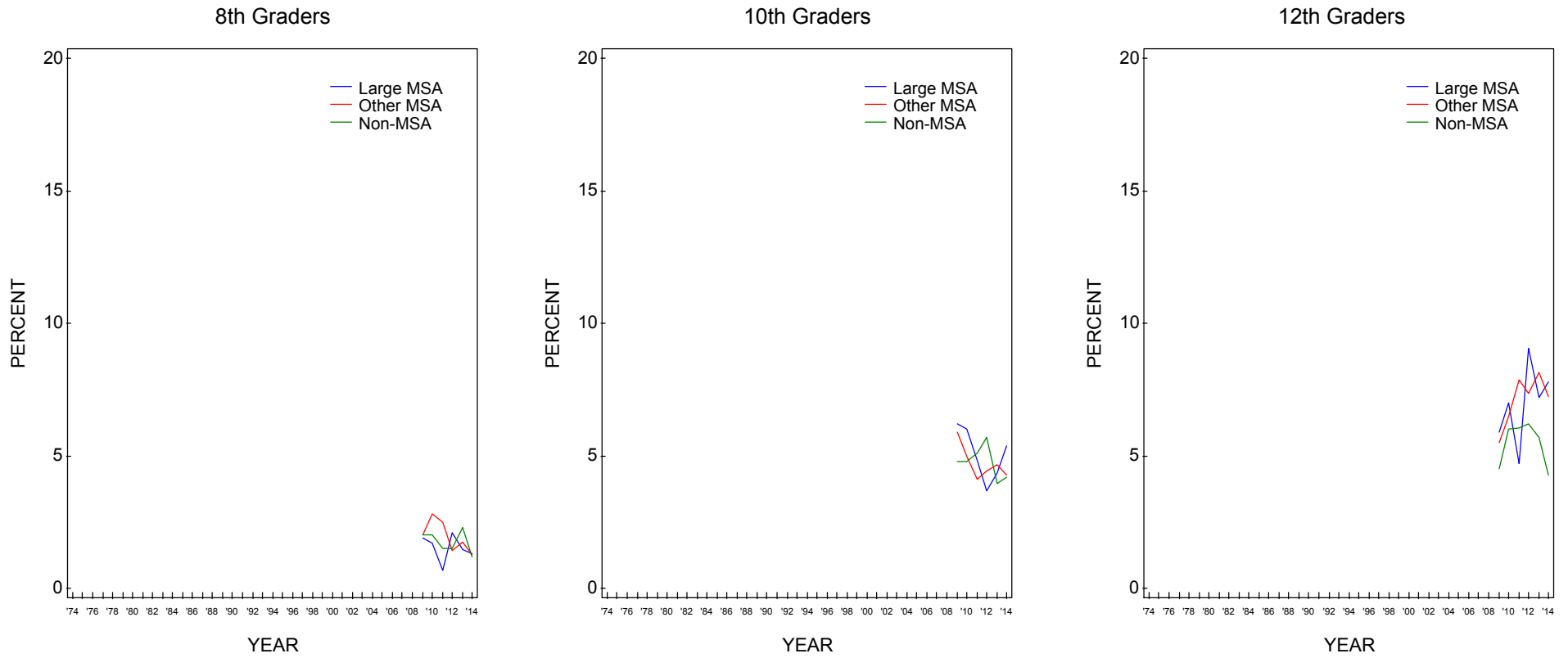
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 147
Adderall: Trends in Annual Prevalence by Region



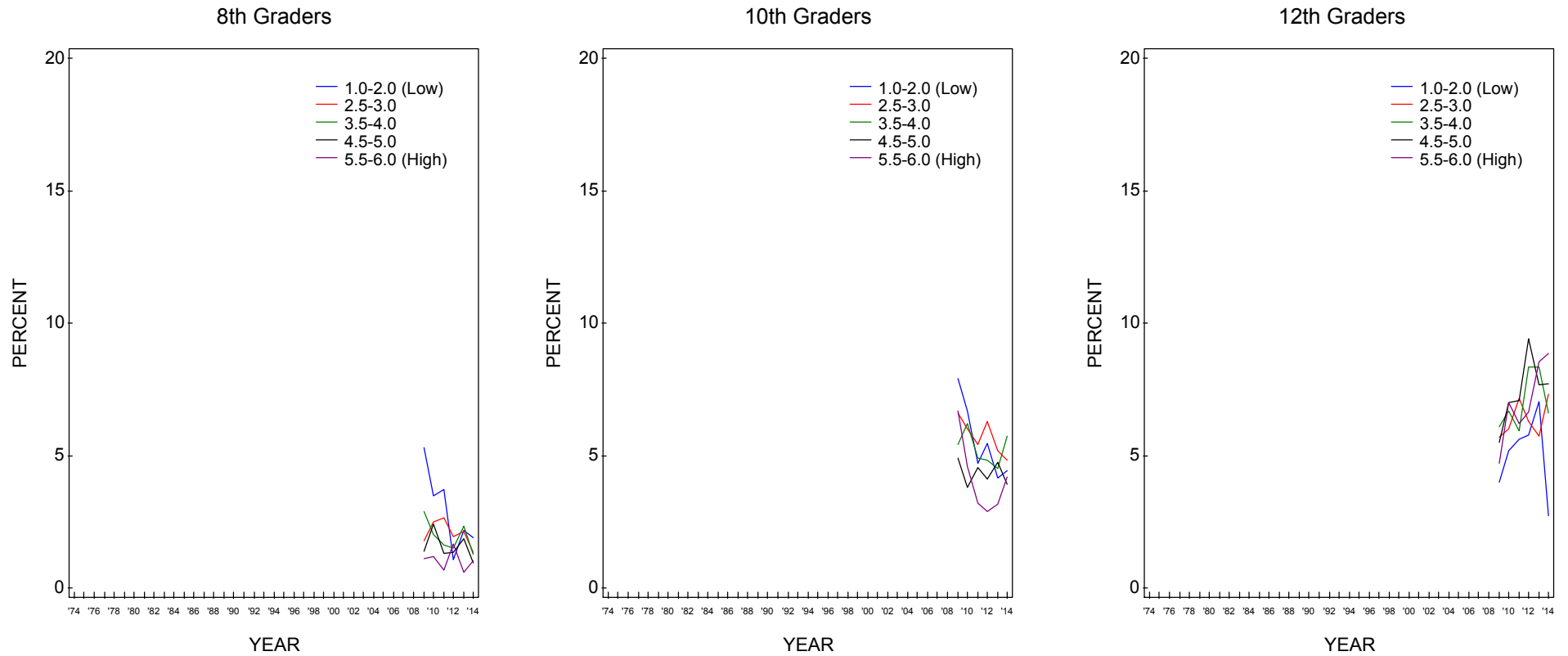
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 148
Adderall: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

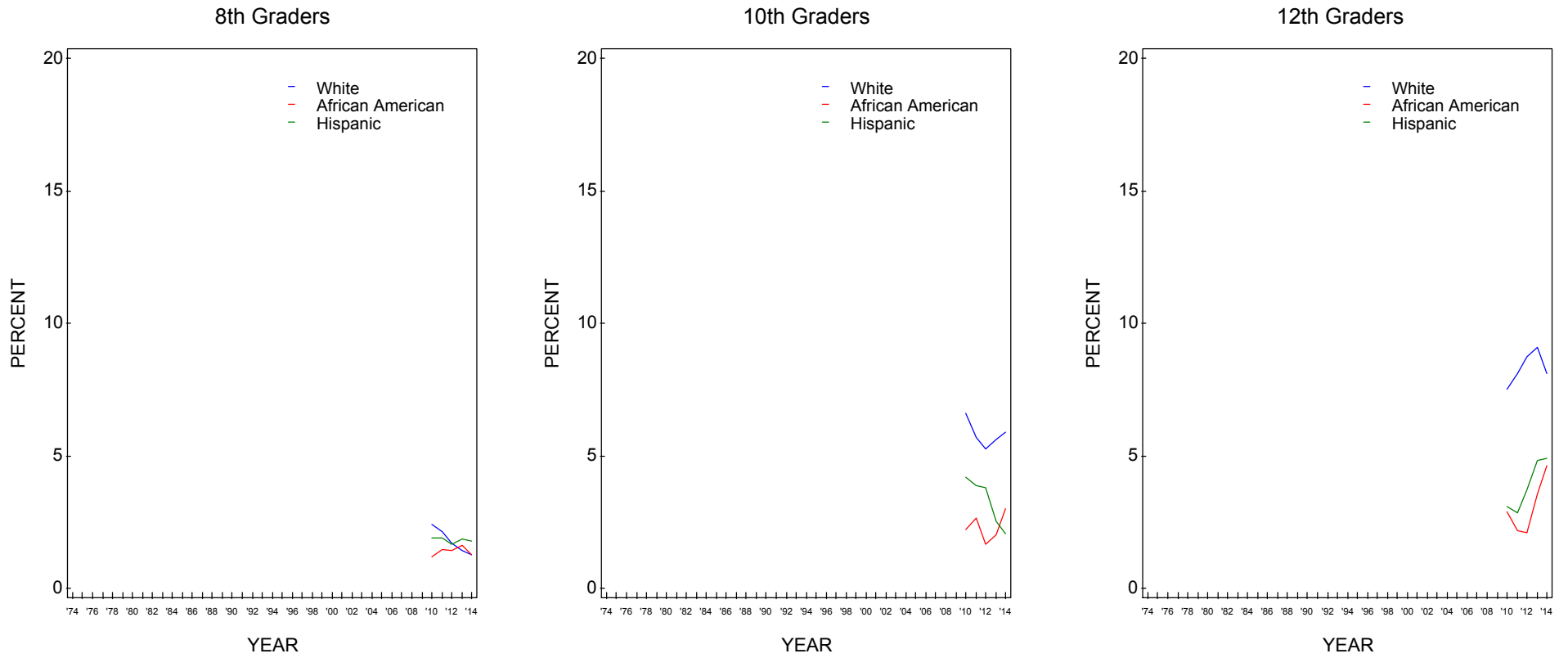
FIGURE 149
Adderall: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

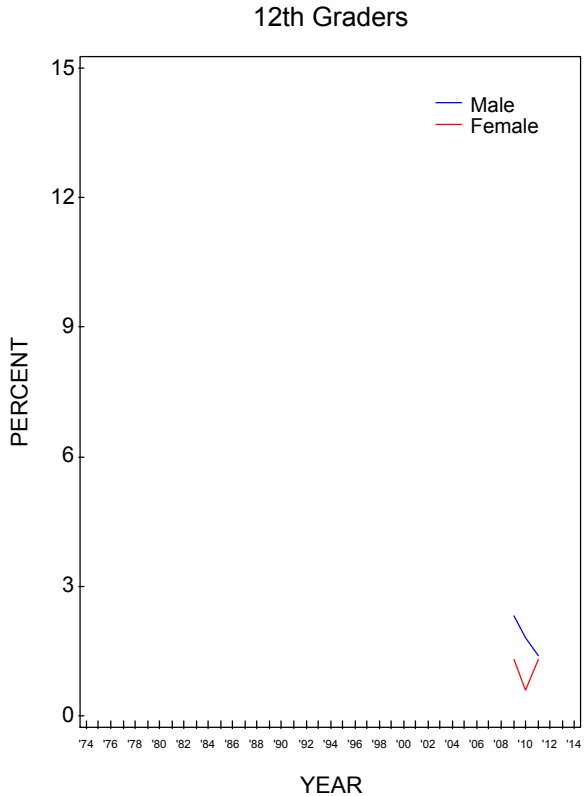
FIGURE 150
Adderall: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

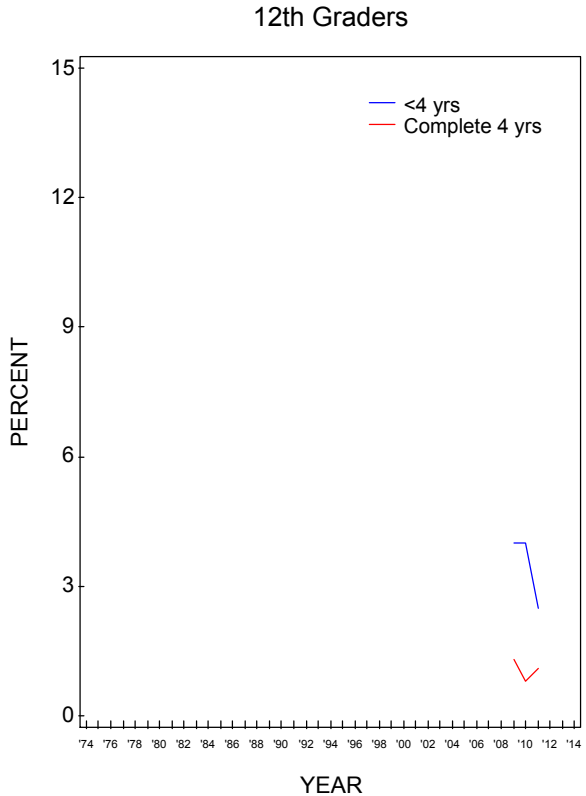
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 151
Provigil:* Trends in Annual Prevalence by Gender



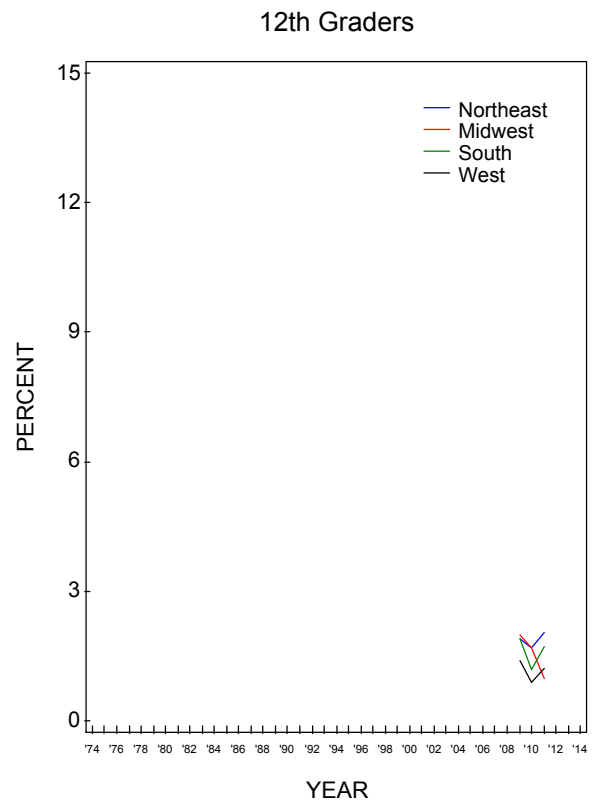
Source. The Monitoring the Future study, the University of Michigan.
*Question discontinued in 2012.

FIGURE 152
Provigil:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.
*Question discontinued in 2012.

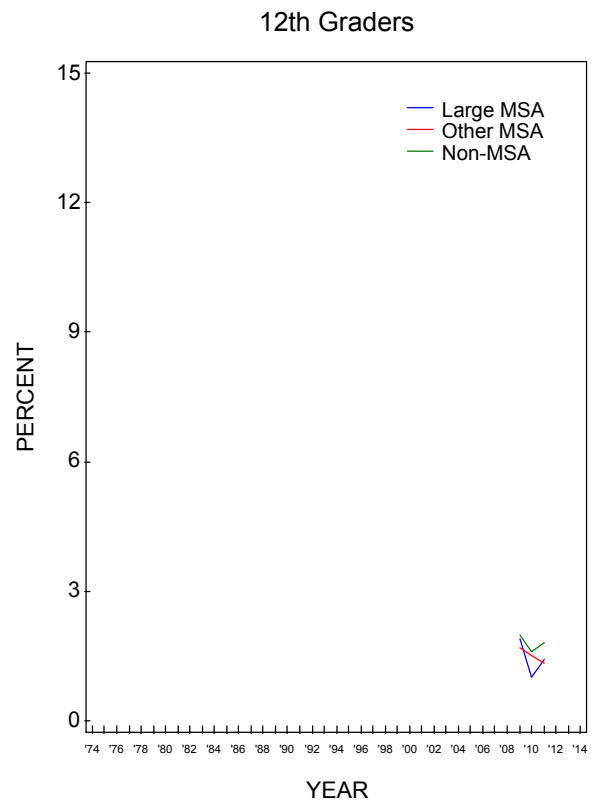
FIGURE 153
Provigil:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*Question discontinued in 2012.

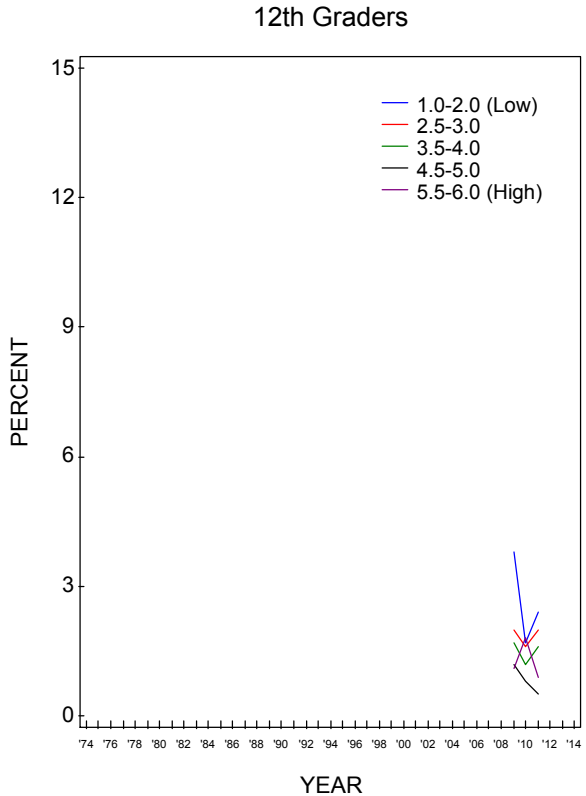
FIGURE 154
Provigil:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*Question discontinued in 2012.

FIGURE 155
Provigil: * Trends in Annual Prevalence by Average Education Level of Parents**

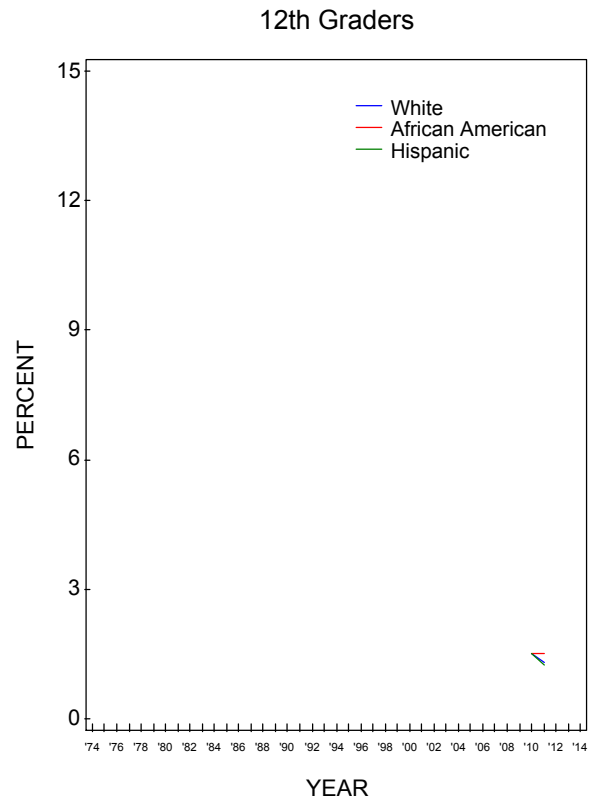


Source. The Monitoring the Future study, the University of Michigan.

*Question discontinued in 2012.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 156
Provigil:* Trends in Annual Prevalence by Race/Ethnicity**

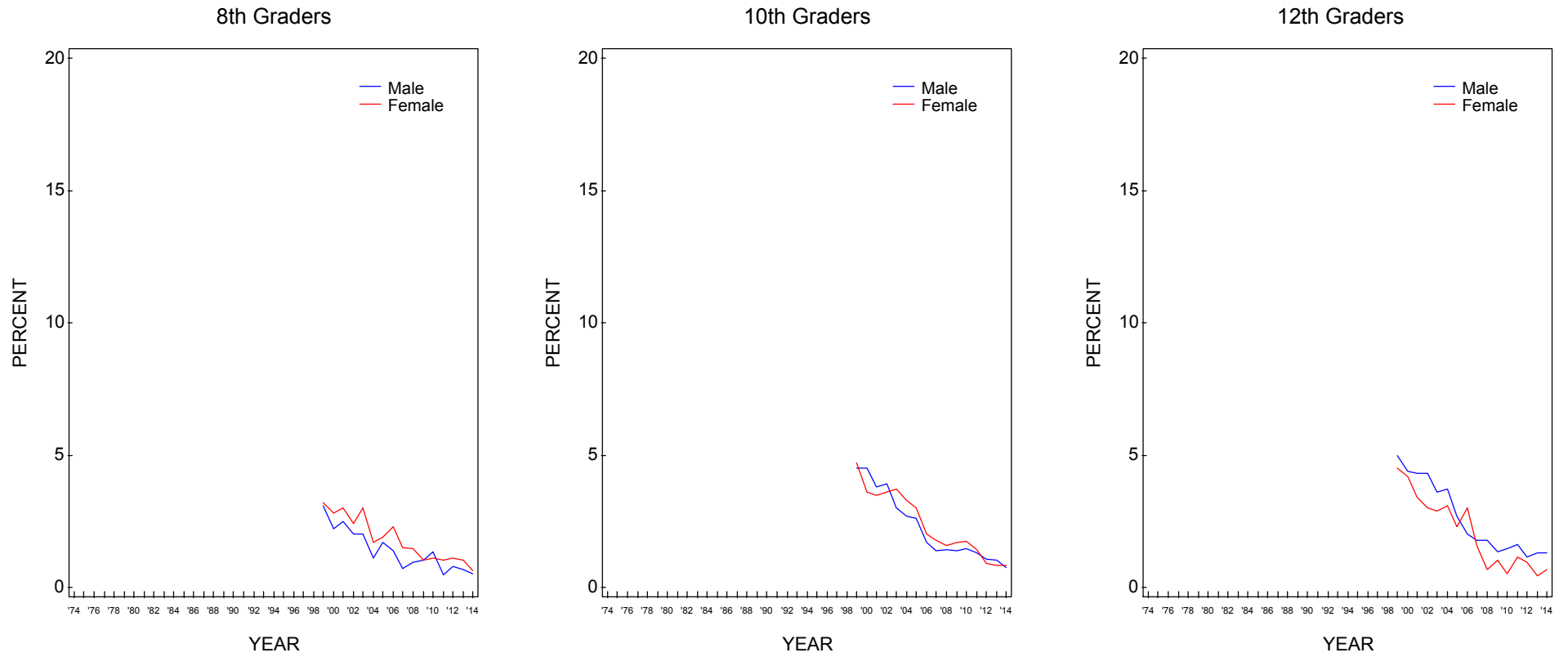


Source. The Monitoring the Future study, the University of Michigan.

*Question discontinued in 2012.

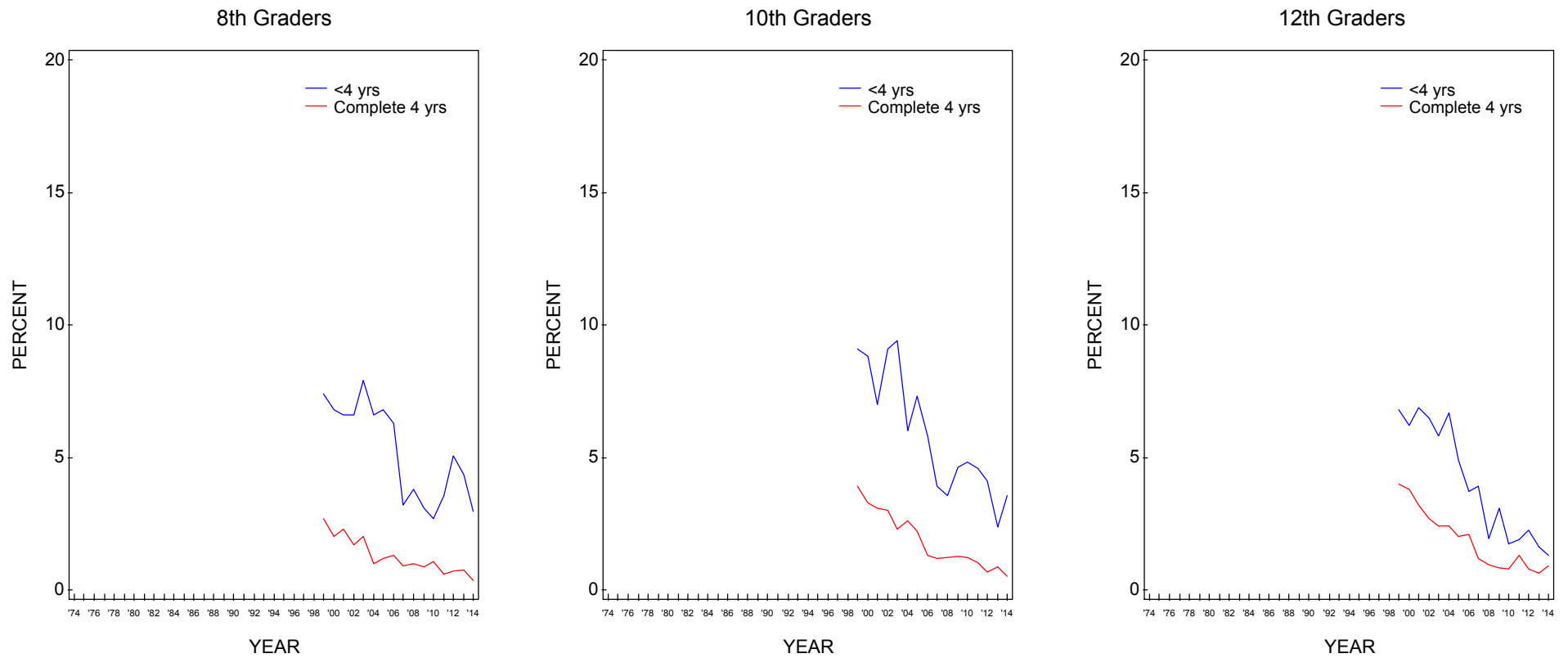
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 157
Methamphetamine: Trends in Annual Prevalence by Gender



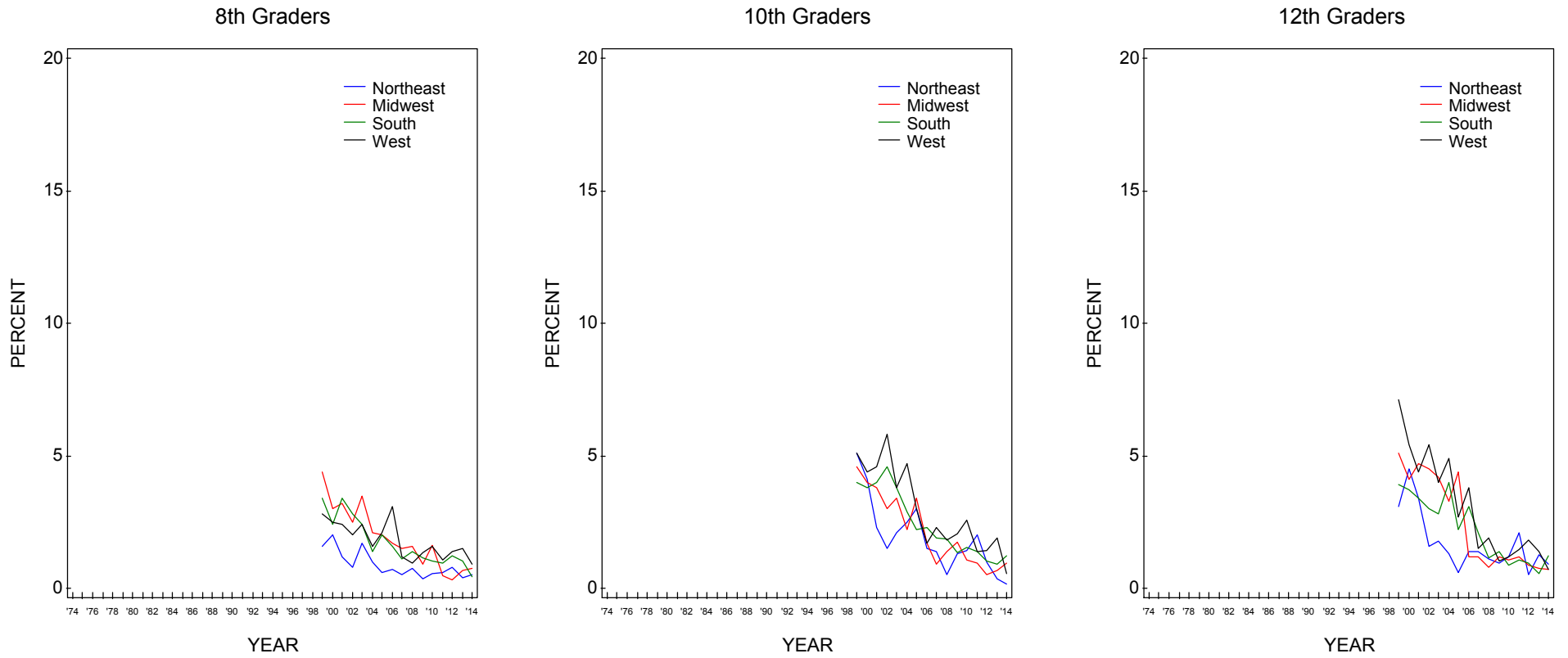
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 158
Methamphetamine: Trends in Annual Prevalence by College Plans



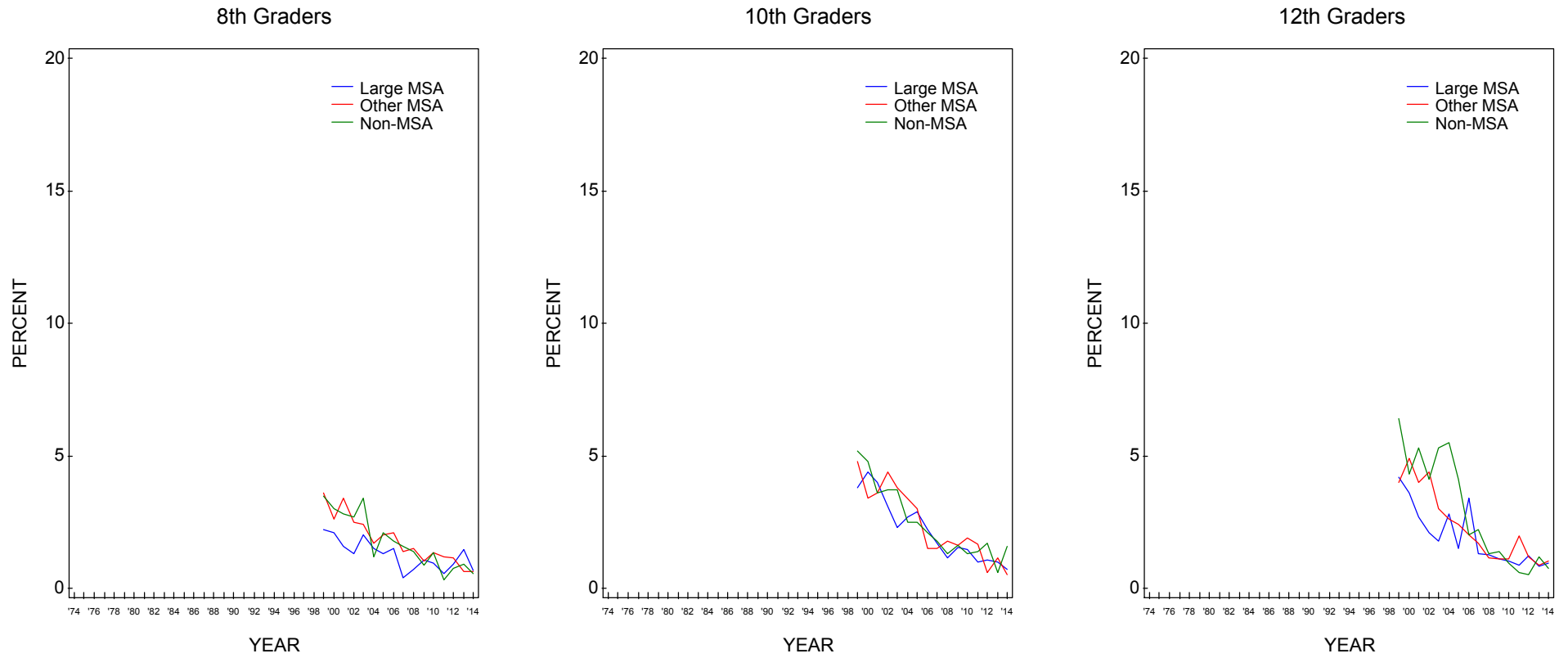
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 159
Methamphetamine: Trends in Annual Prevalence by Region



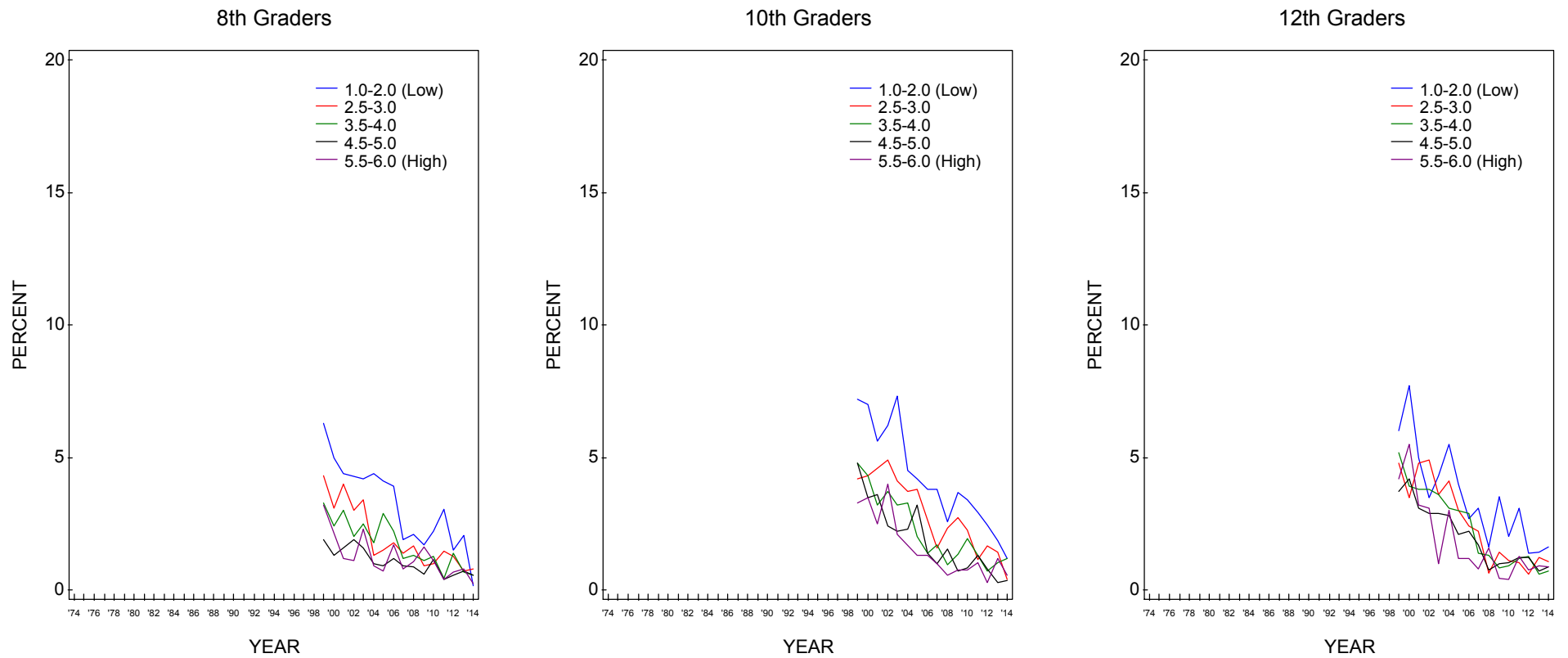
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 160
Methamphetamine: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

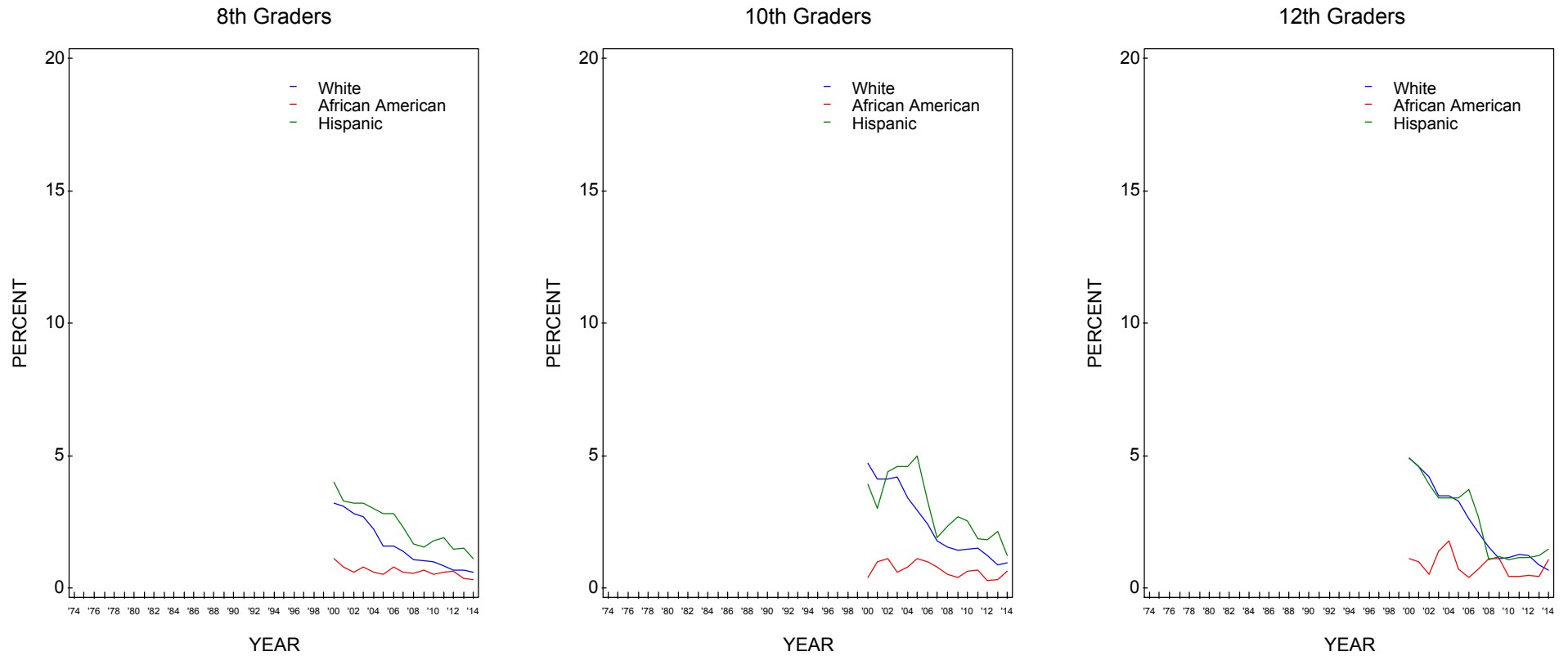
FIGURE 161
Methamphetamine: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

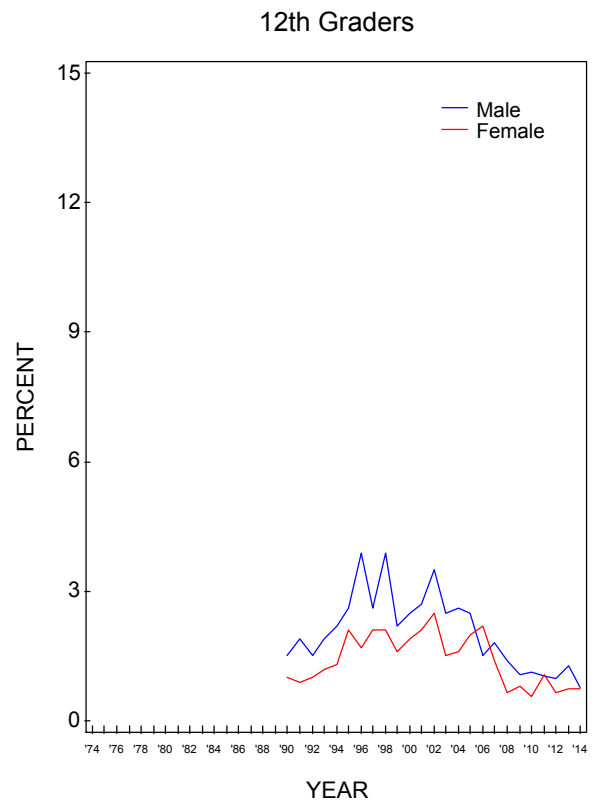
FIGURE 162
Methamphetamine: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

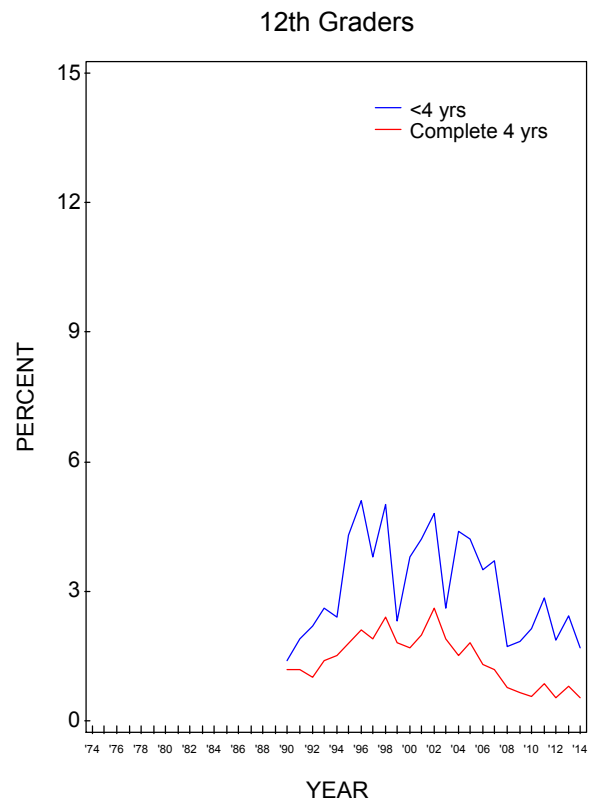
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 163
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Gender



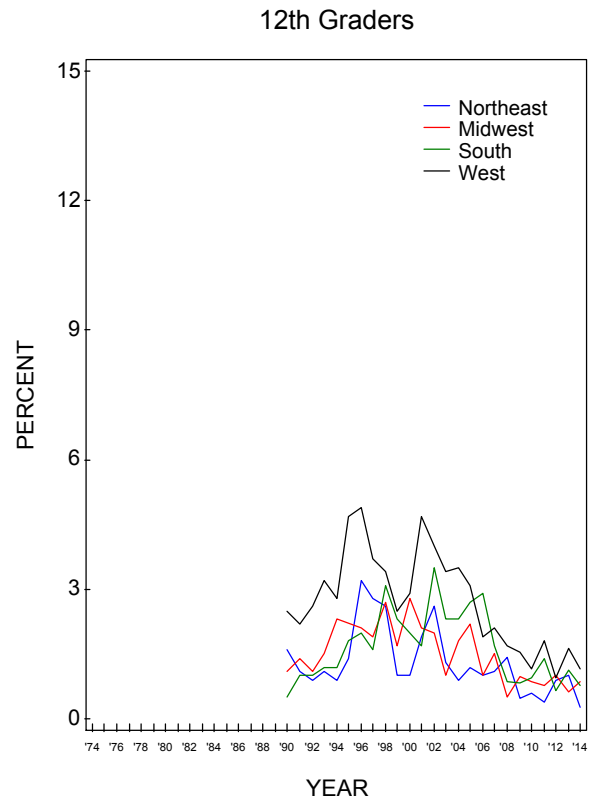
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 164
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by College Plans



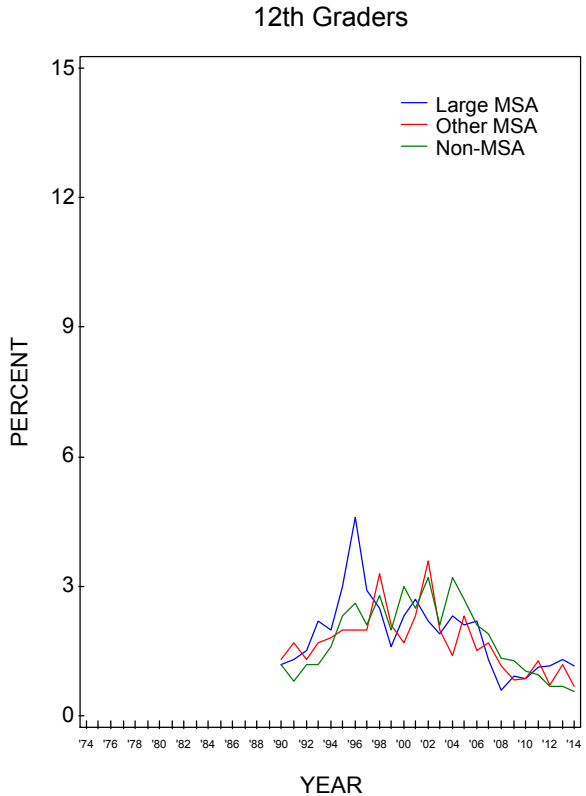
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 165
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Region



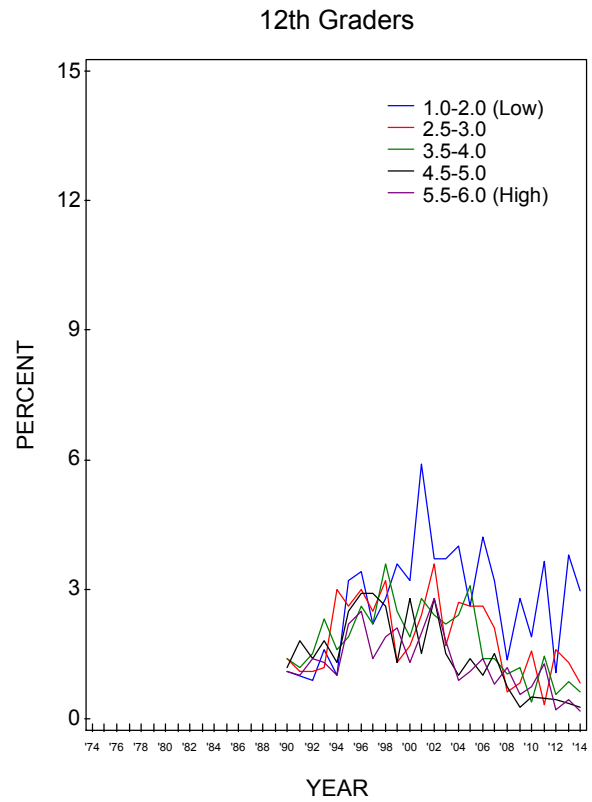
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 166
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

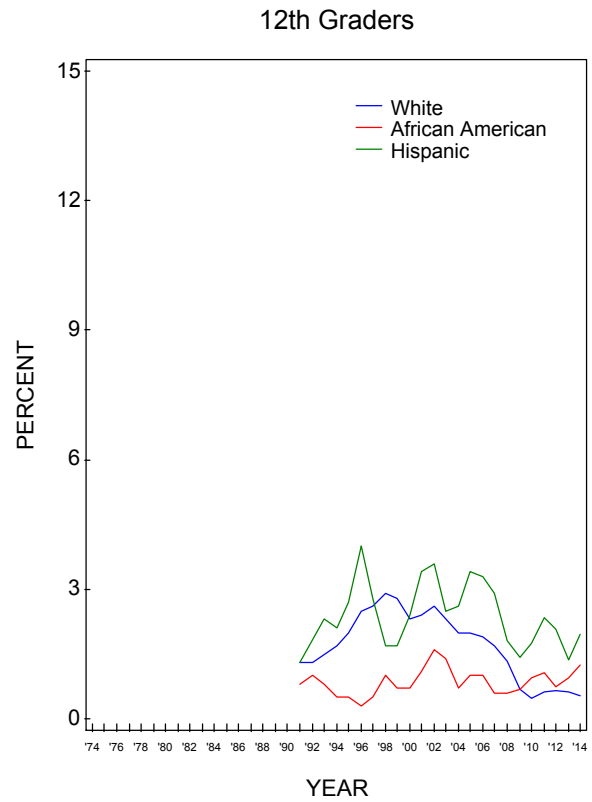
FIGURE 167
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

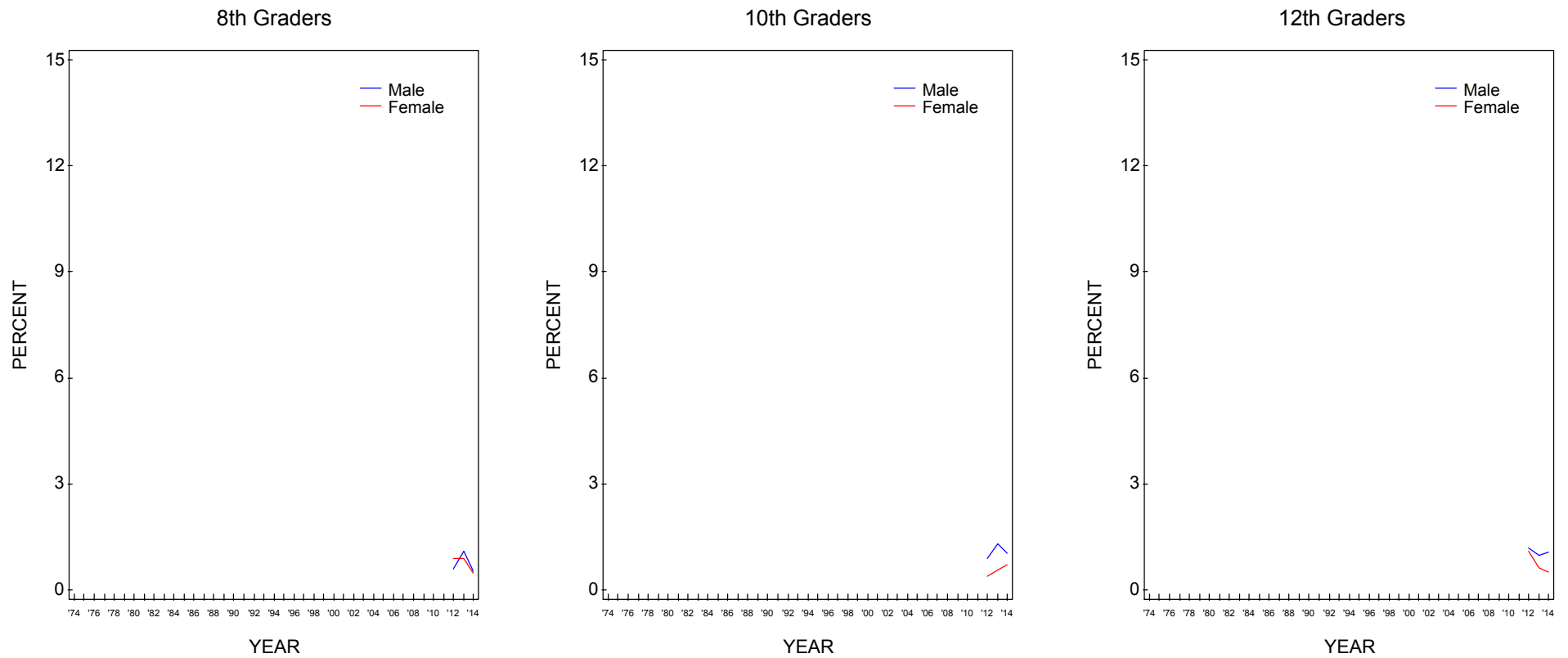
FIGURE 168
Crystal Methamphetamine (Ice): Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

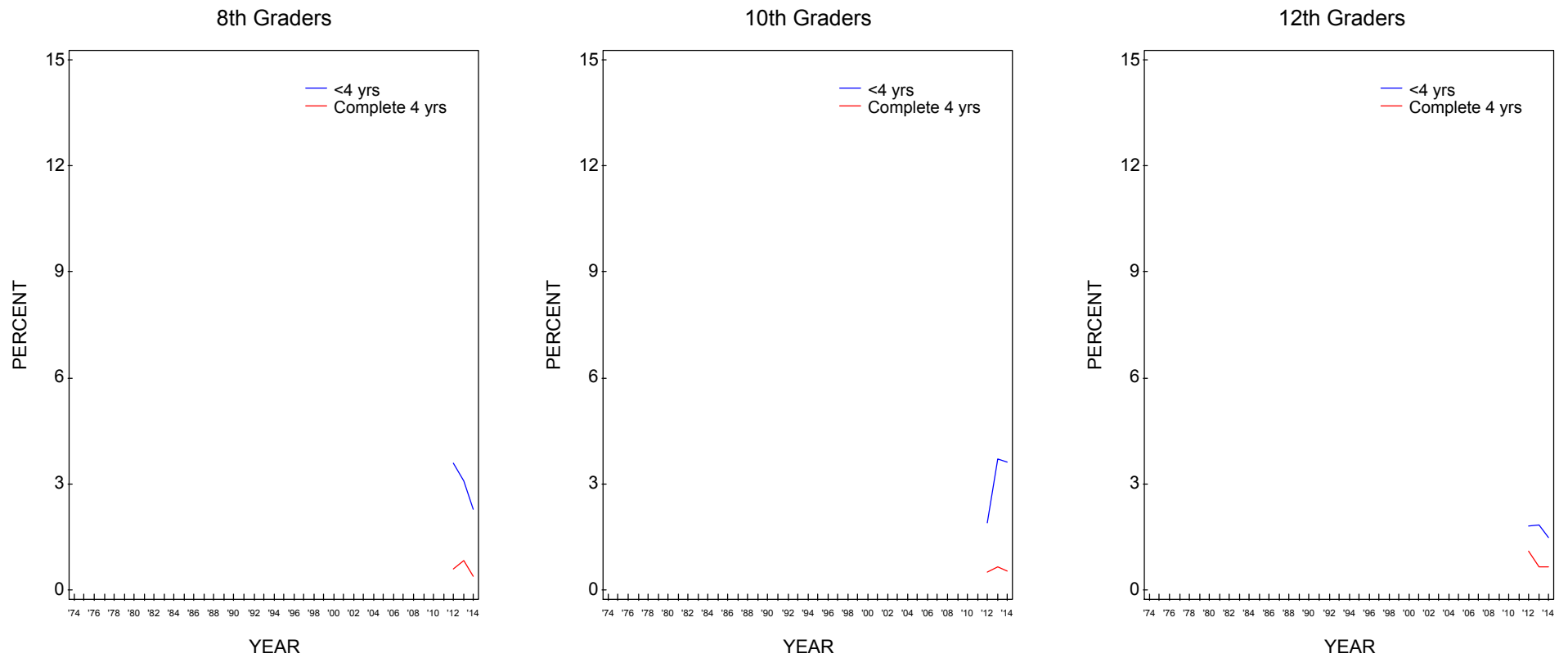
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 169
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by Gender



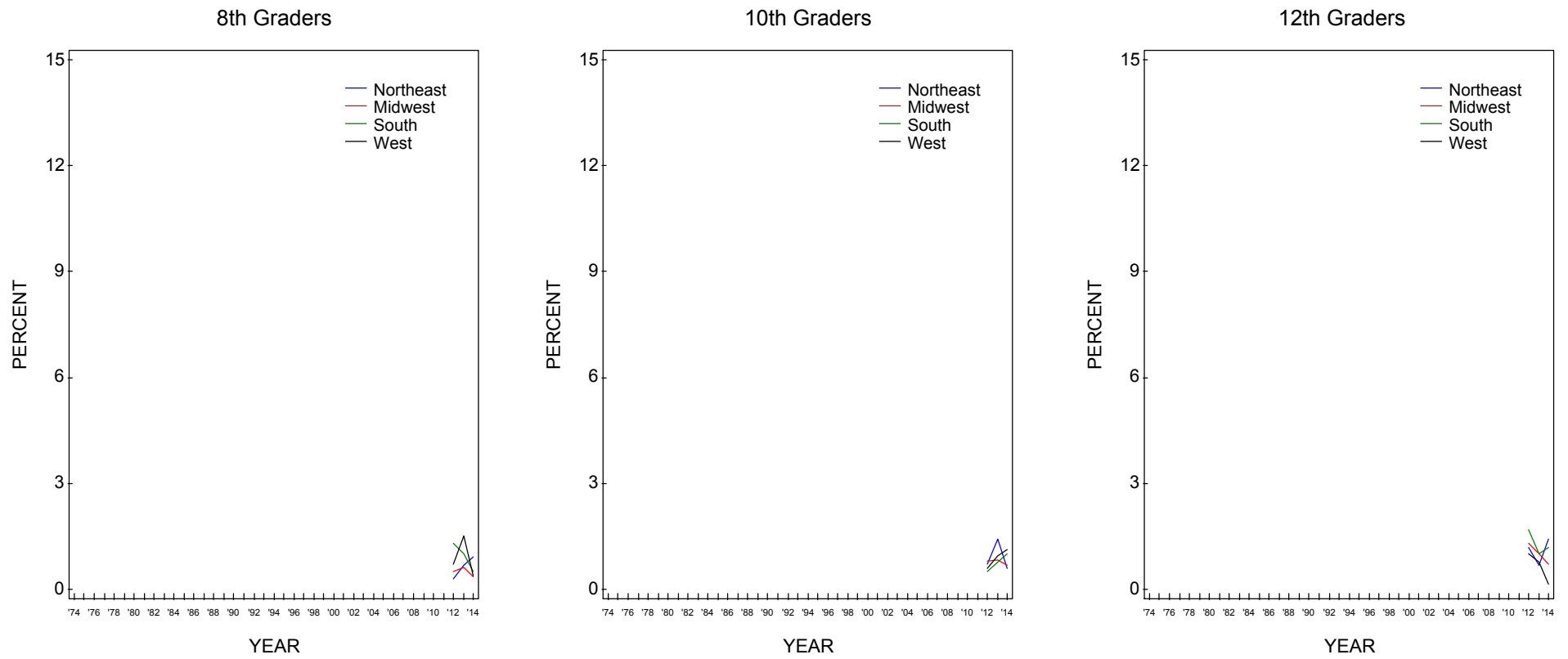
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 170
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by College Plans



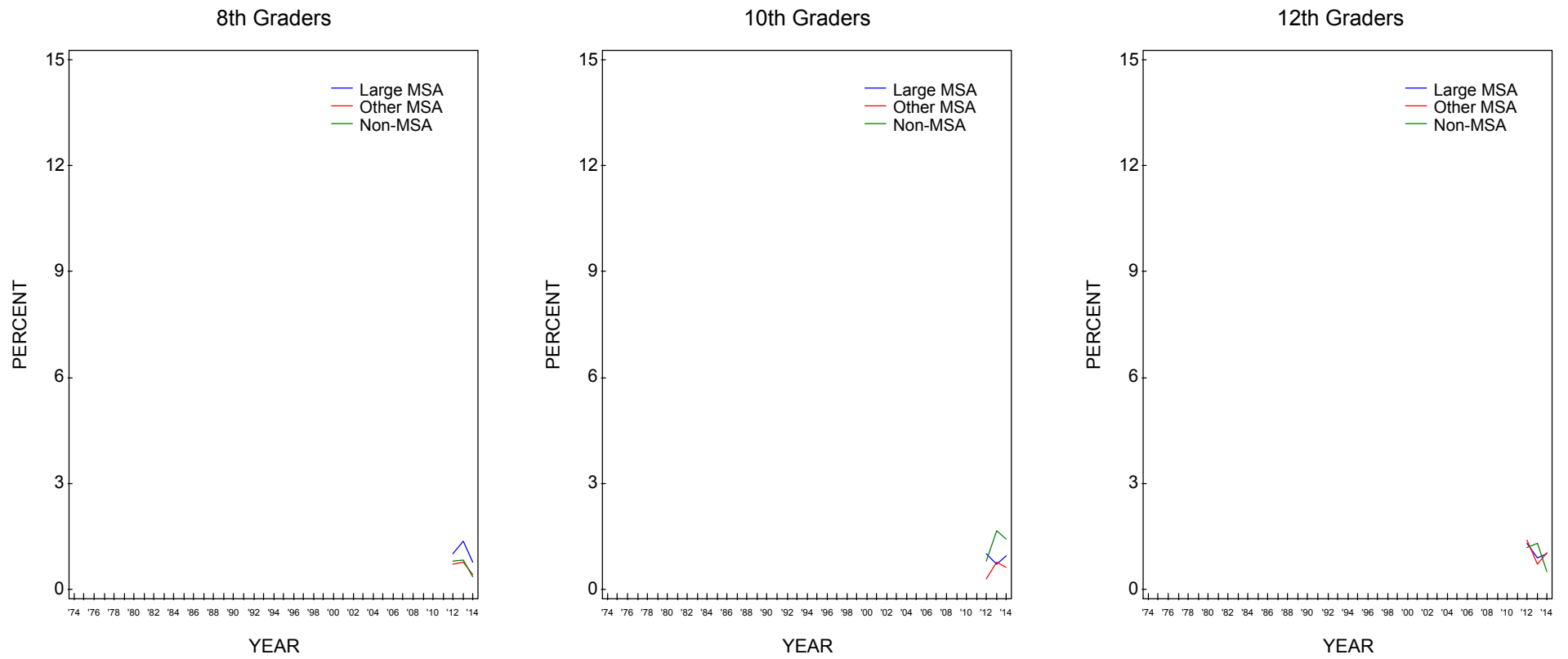
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 171
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by Region



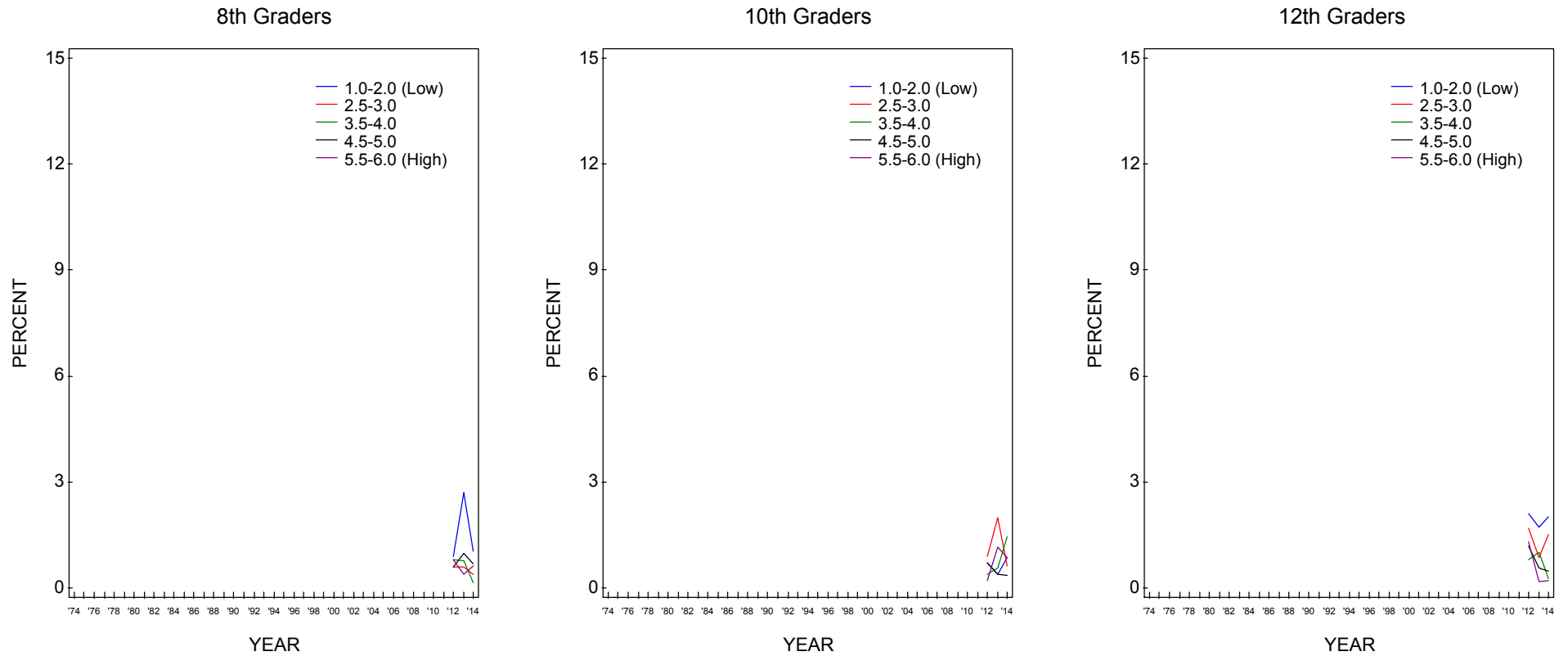
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 172
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

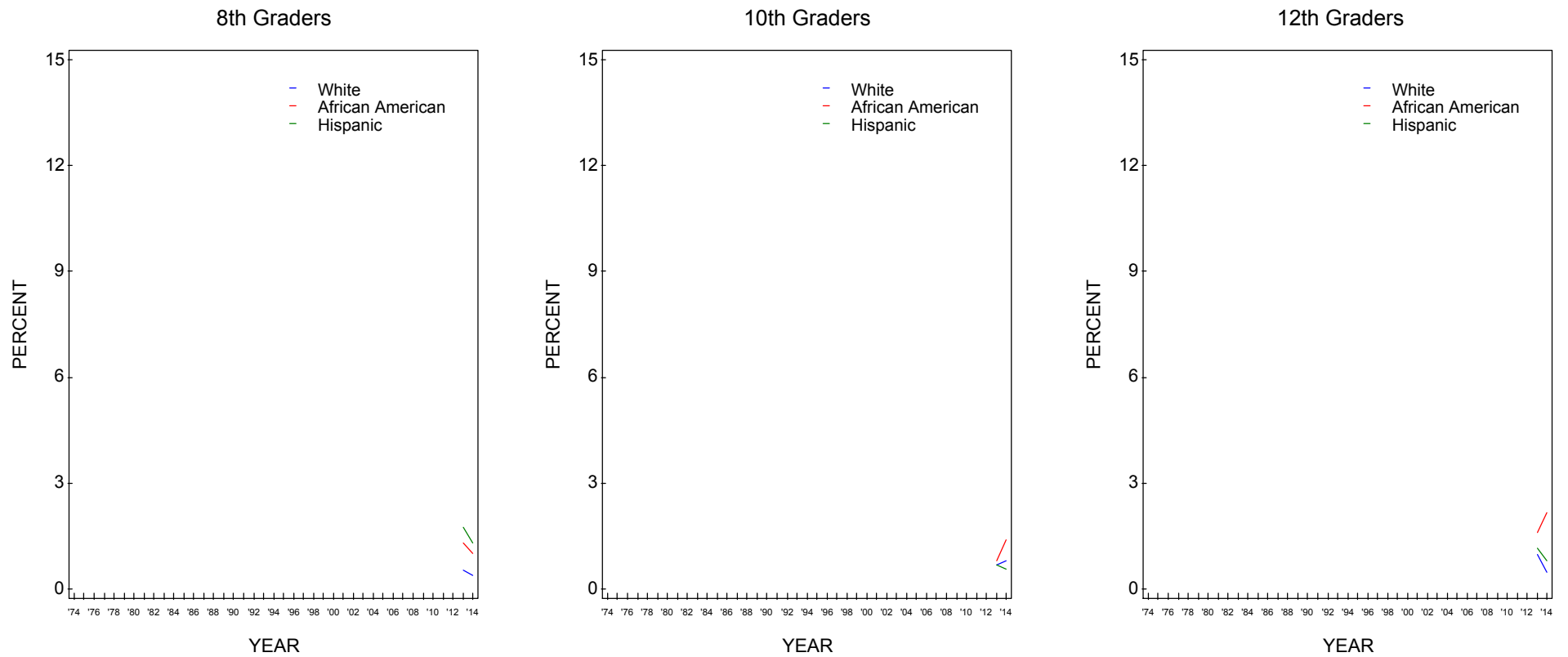
FIGURE 173
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

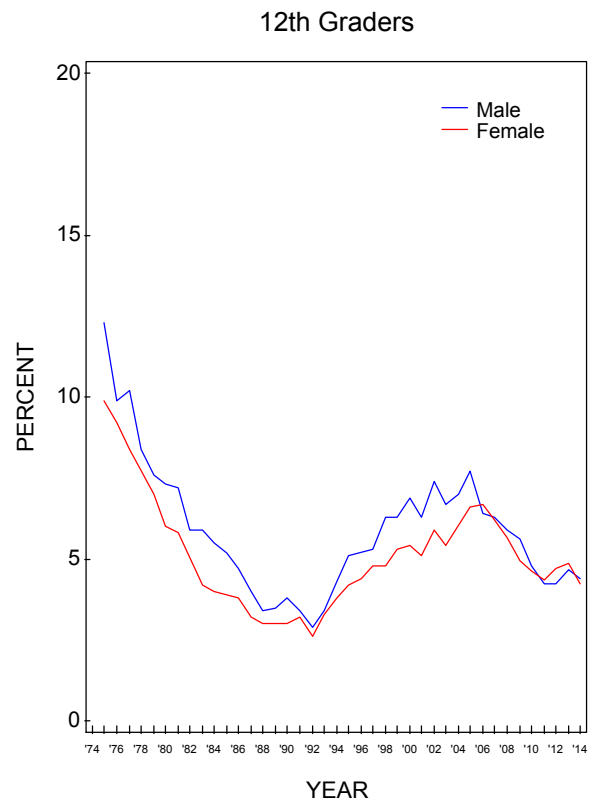
FIGURE 174
Bath Salts (Synthetic Stimulants): Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

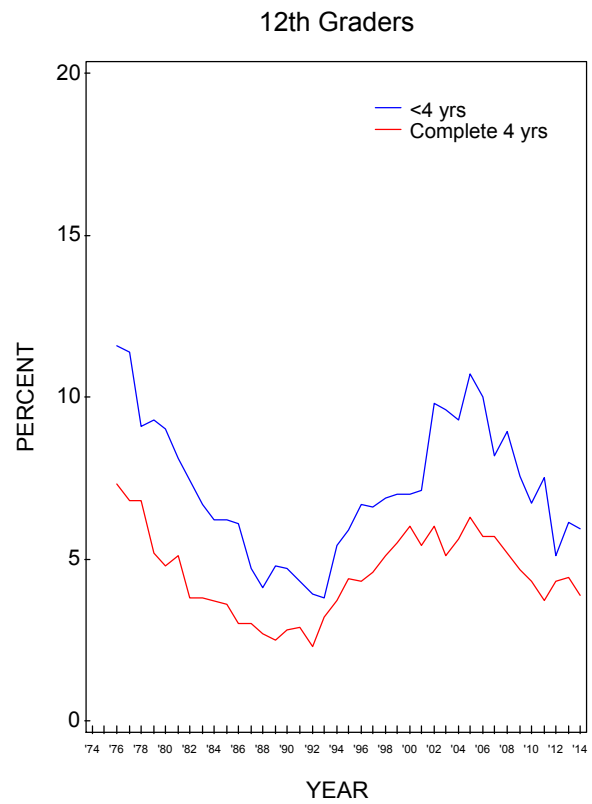
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 175
Sedatives (Barbiturates): Trends in Annual Prevalence by Gender



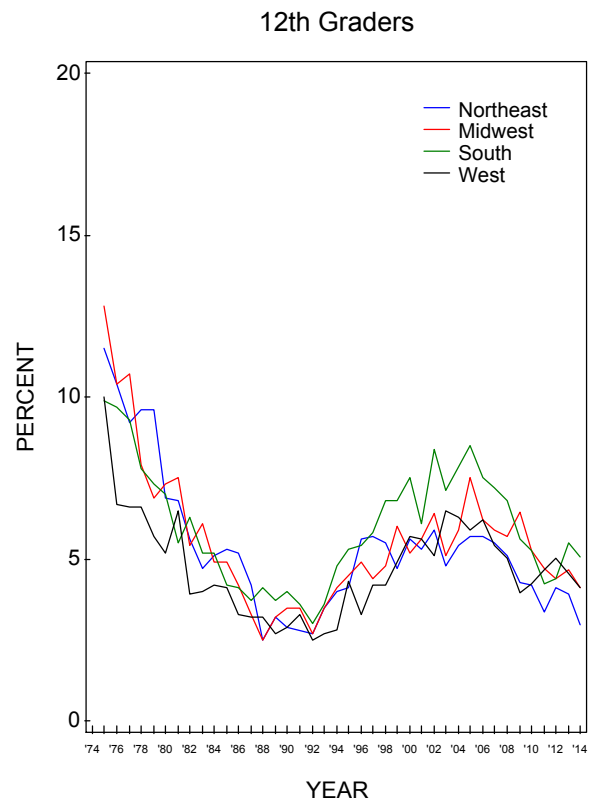
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 176
Sedatives (Barbiturates): Trends in Annual Prevalence by College Plans



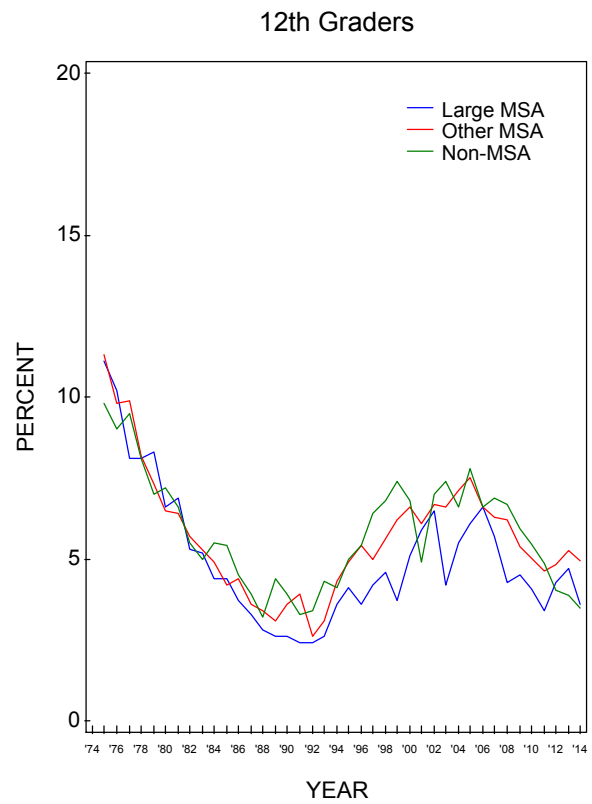
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 177
Sedatives (Barbiturates): Trends in Annual Prevalence by Region



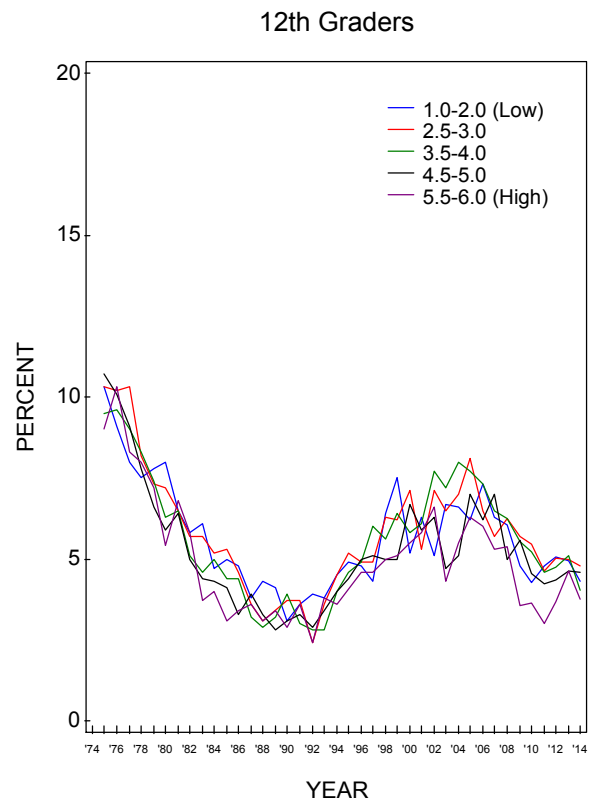
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 178
Sedatives (Barbiturates): Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

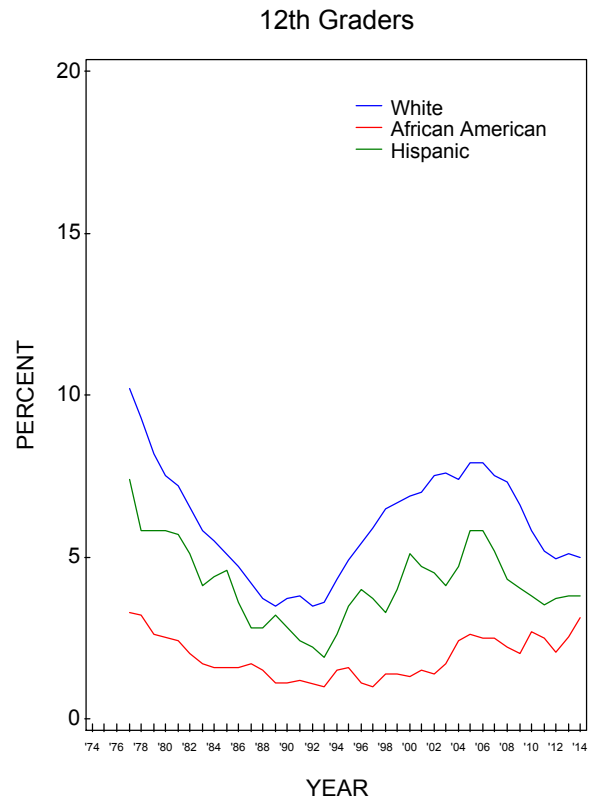
FIGURE 179
Sedatives (Barbiturates): Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

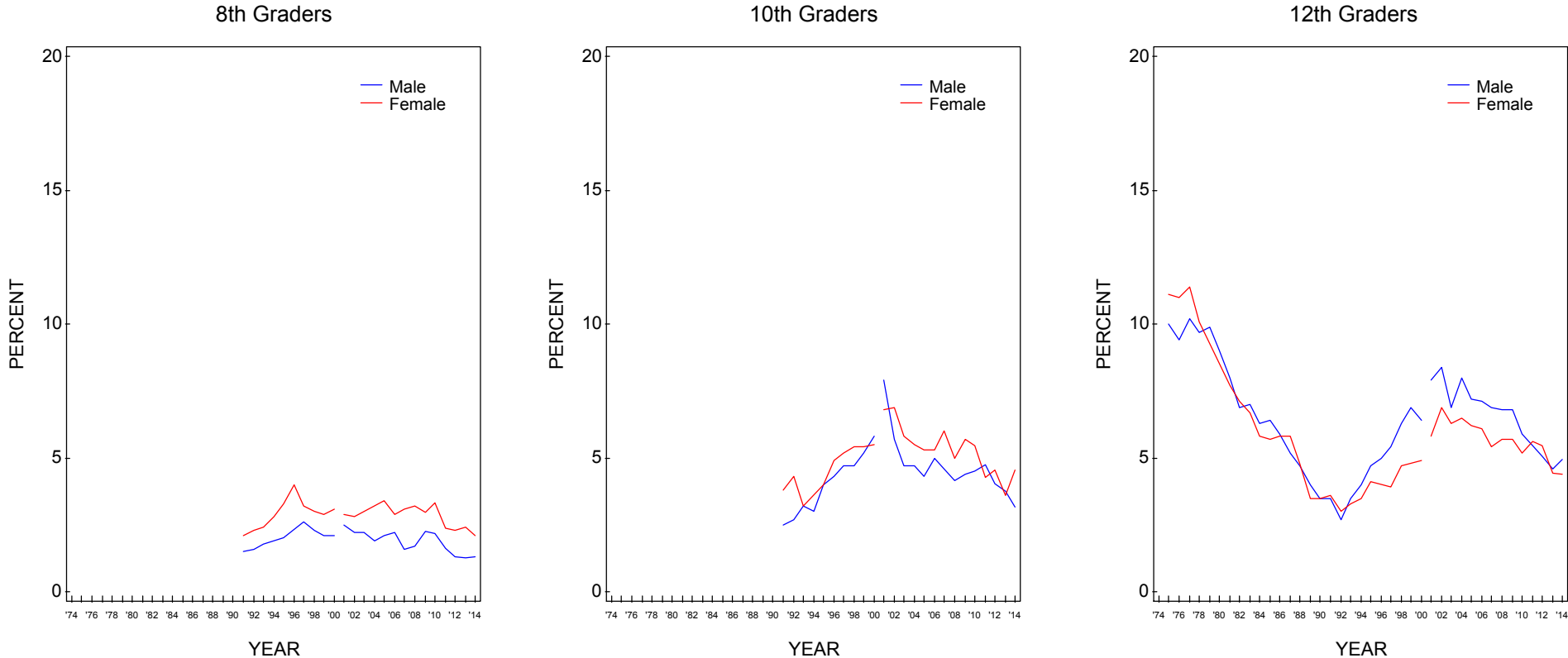
FIGURE 180
Sedatives (Barbiturates): Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

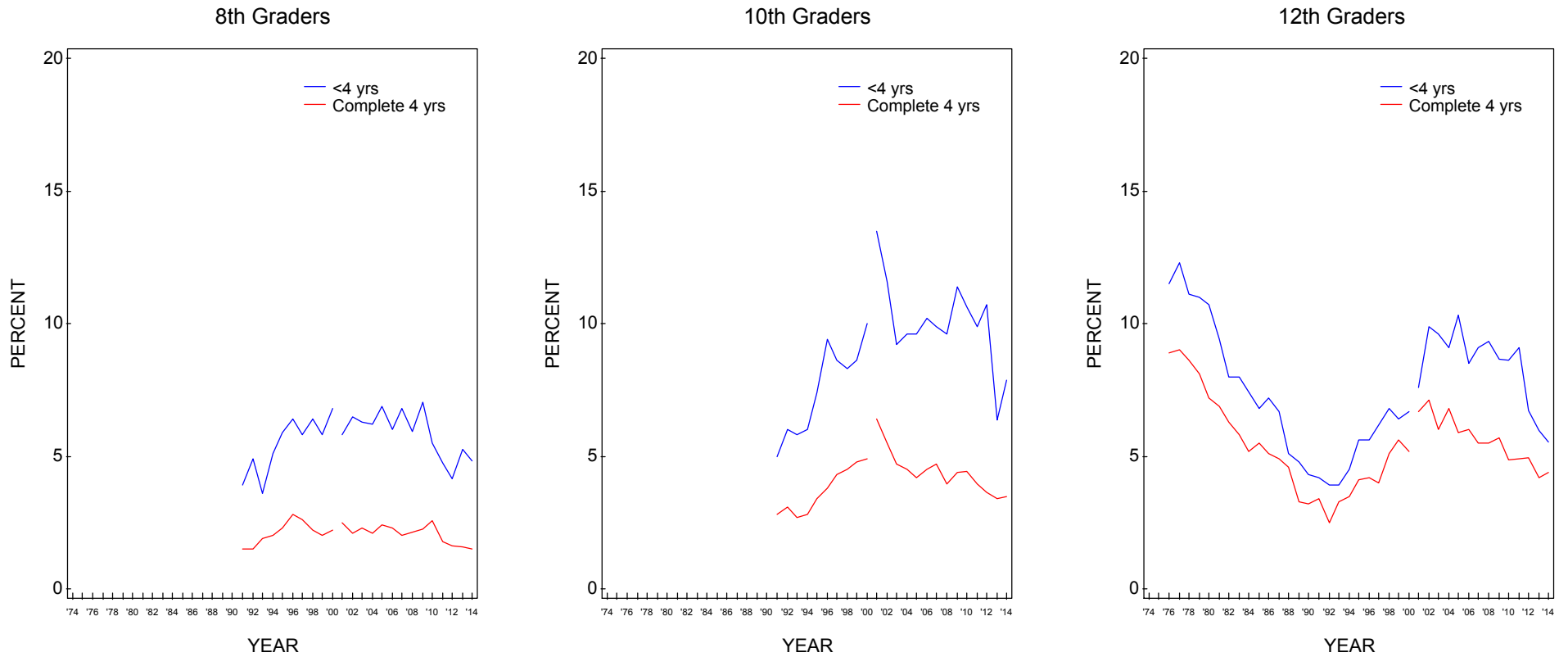
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 181
Tranquilizers:* Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

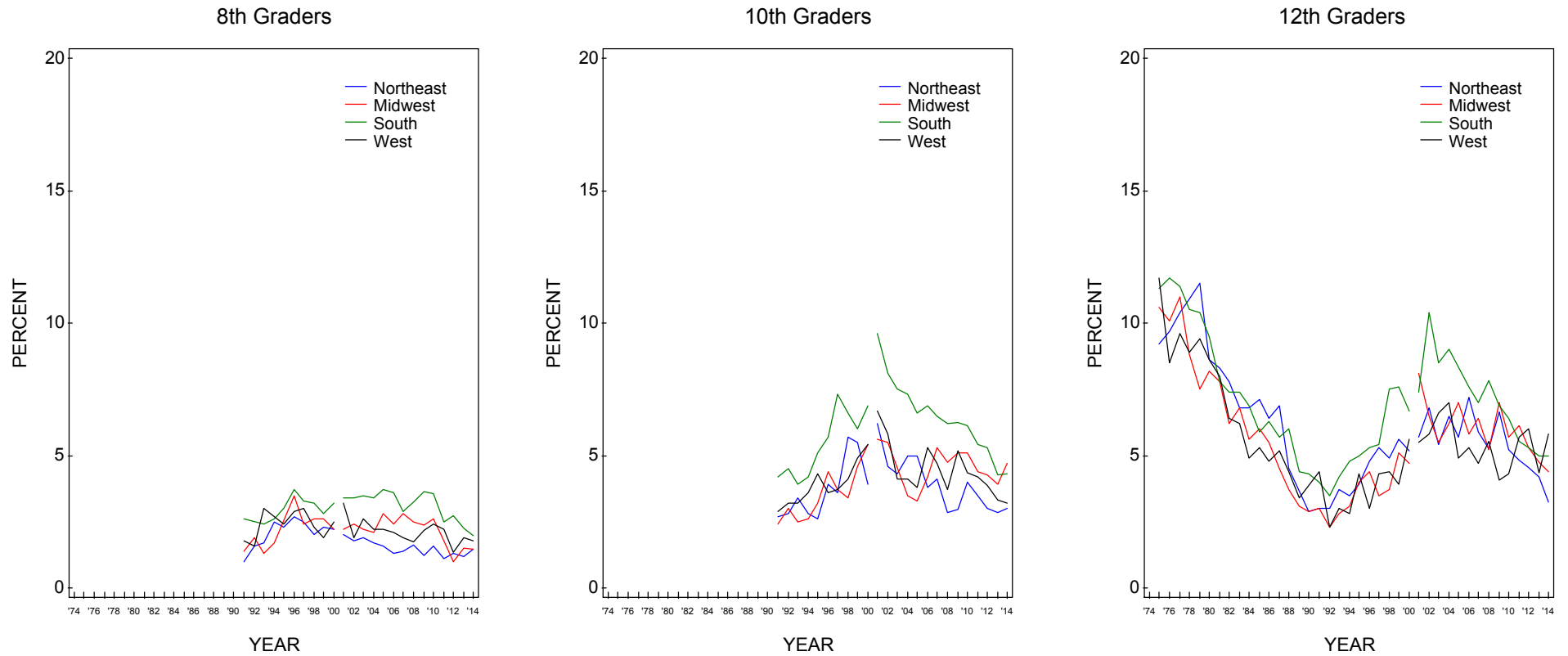
FIGURE 182
Tranquilizers:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

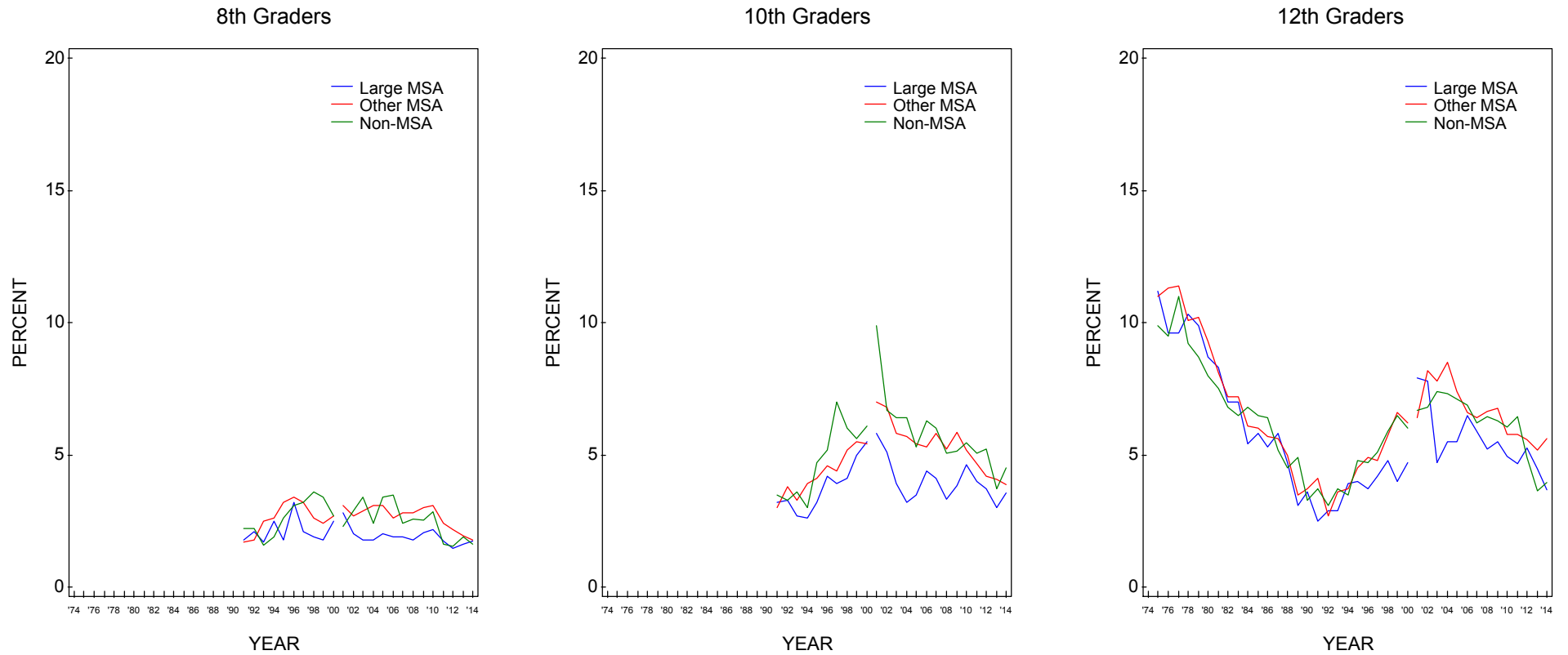
FIGURE 183
Tranquilizers:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

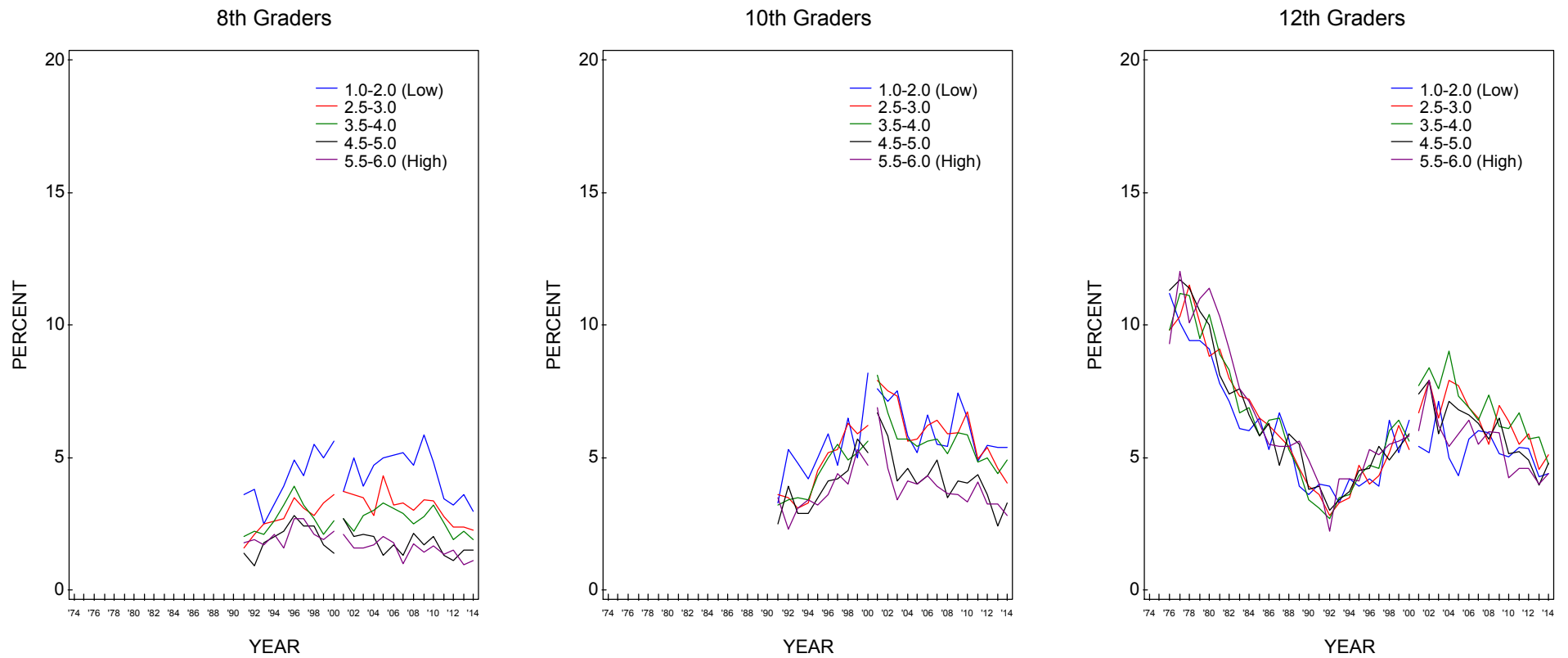
FIGURE 184
Tranquilizers:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

FIGURE 185
Tranquilizers:* Trends in Annual Prevalence by Average Education Level of Parents**

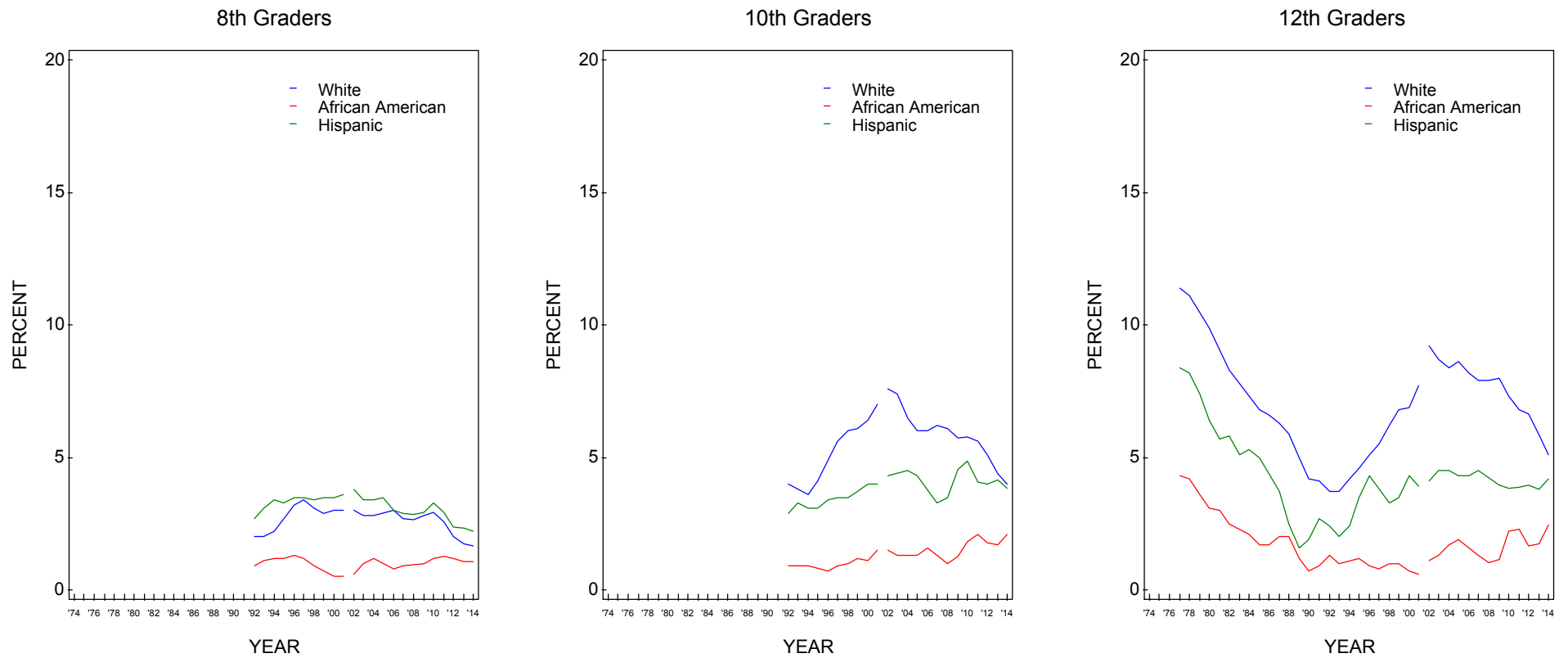


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 186
Tranquilizers:* Trends in Annual Prevalence by Race/Ethnicity**

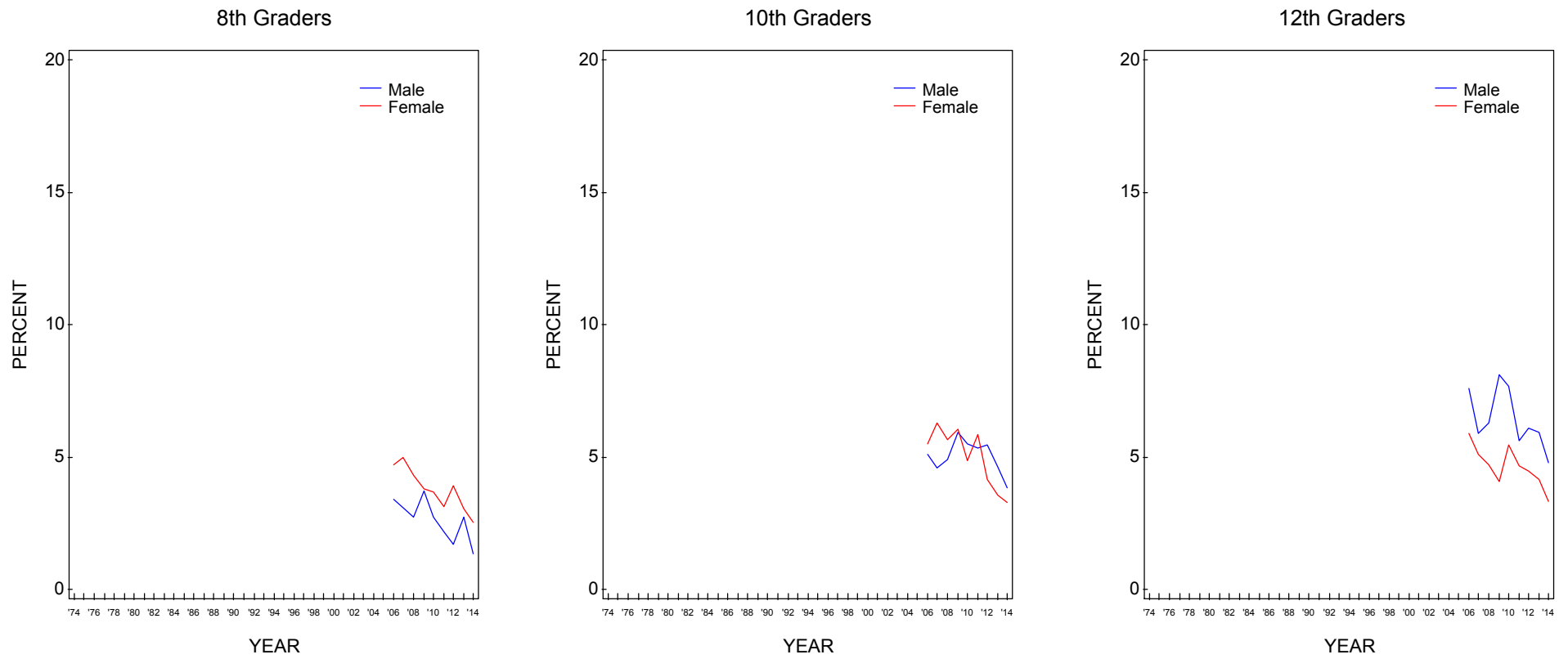


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2001, a revised set of questions on tranquilizer use was introduced. Refer to corresponding tables for further details.

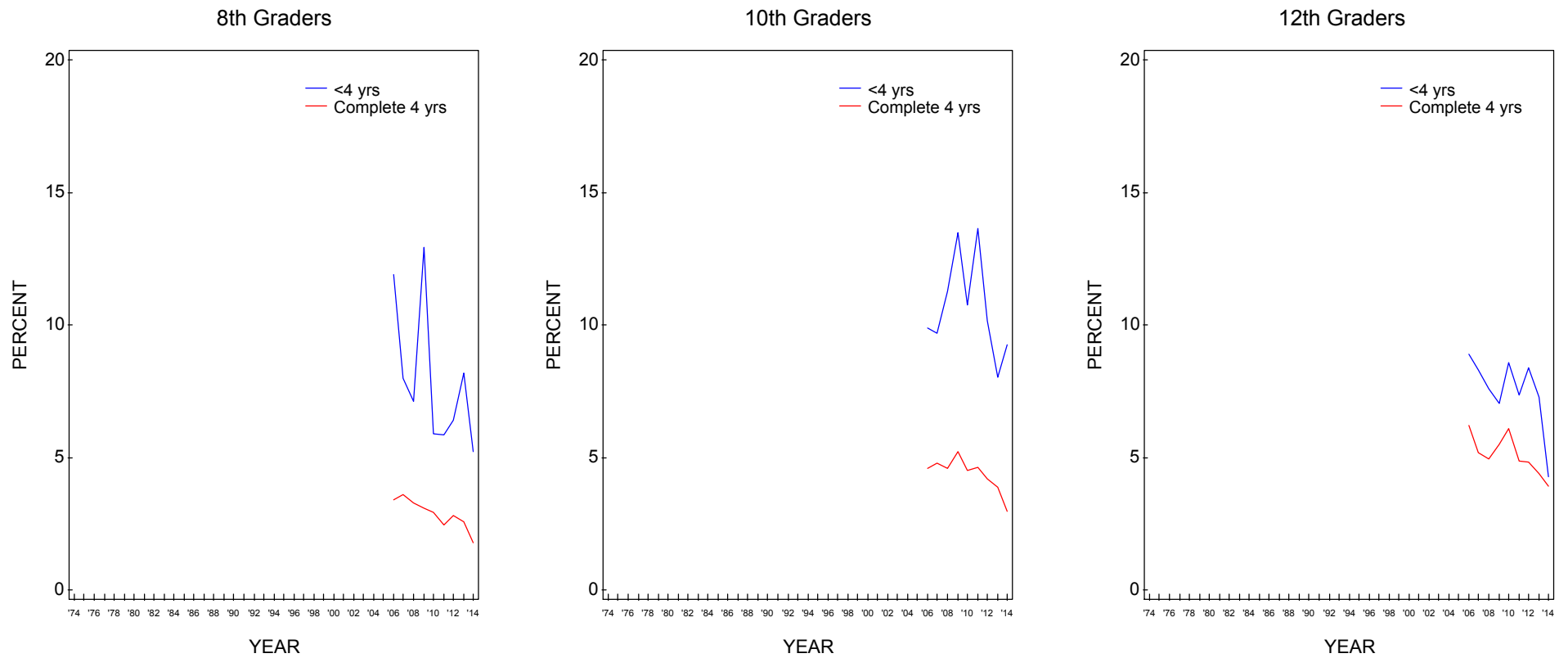
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 187
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Gender



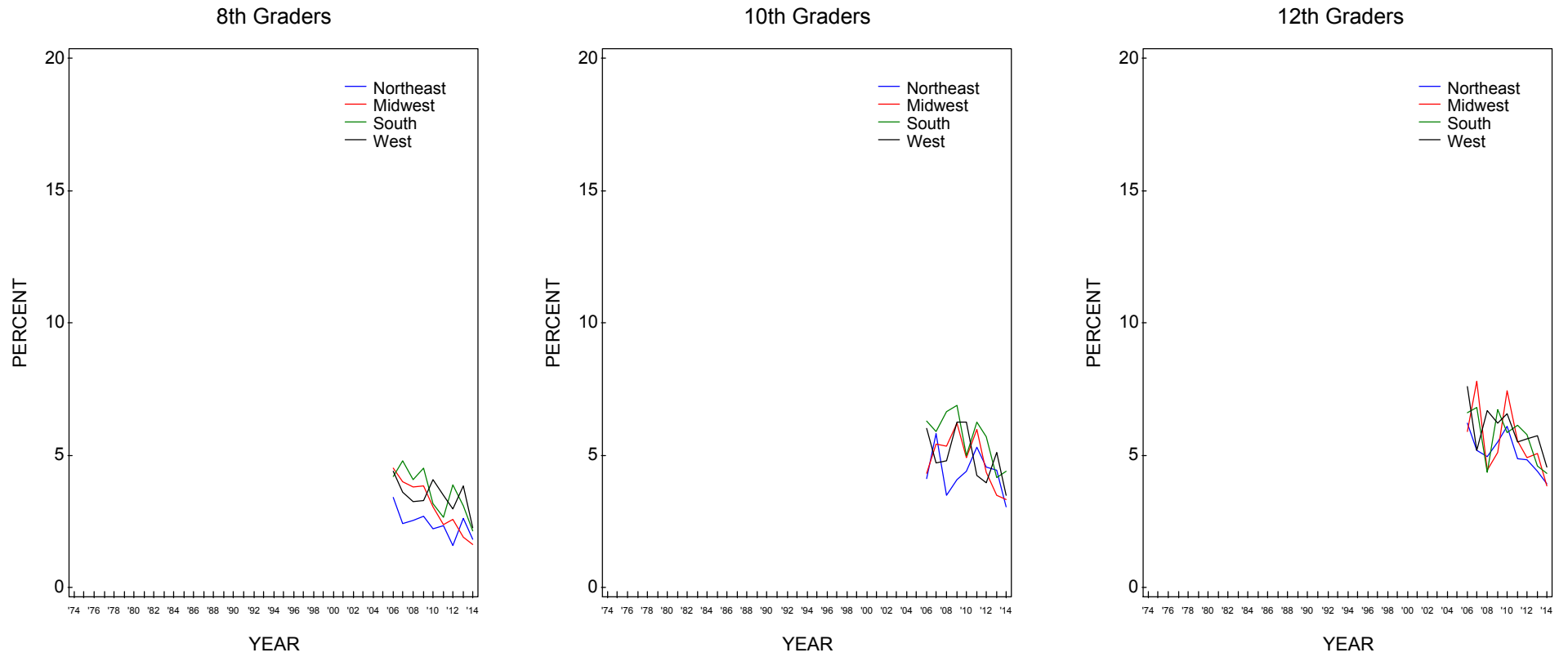
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 188
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by College Plans



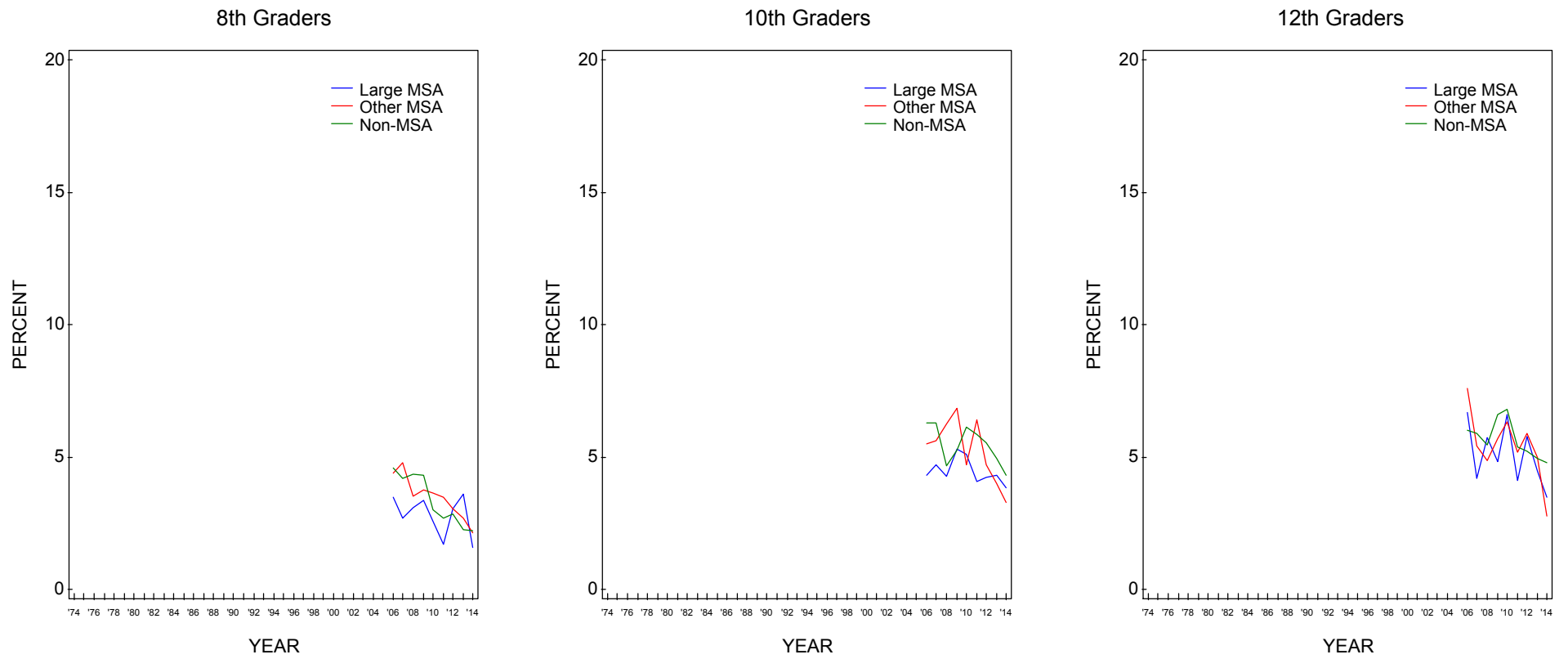
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 189
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Region



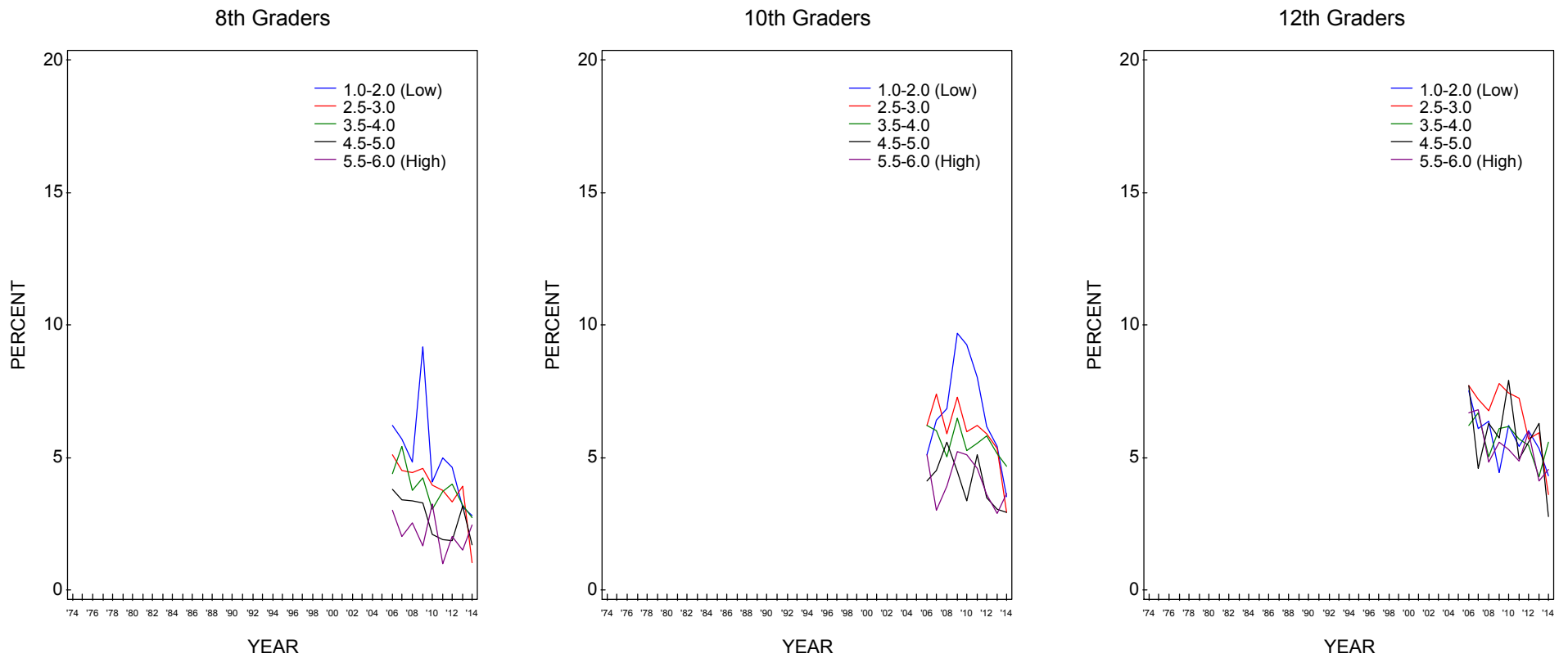
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 190
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

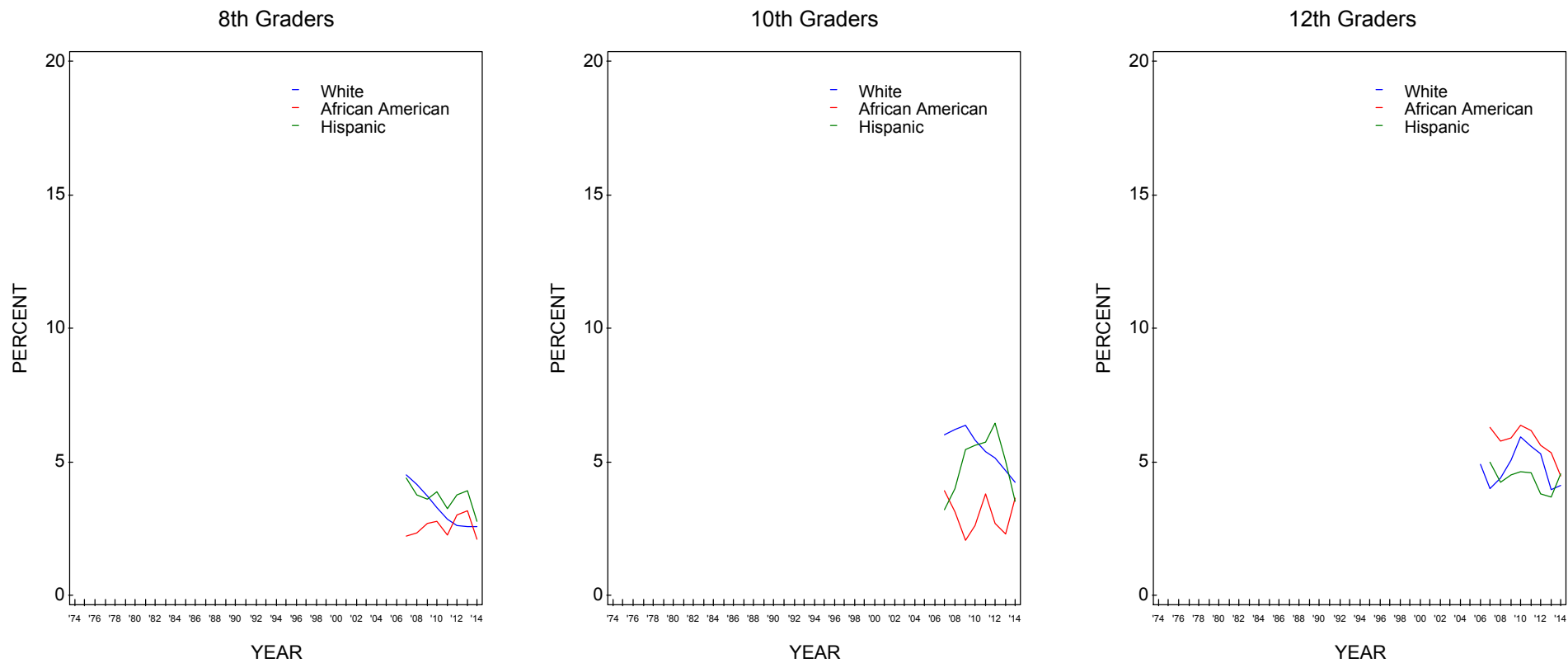
FIGURE 191
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

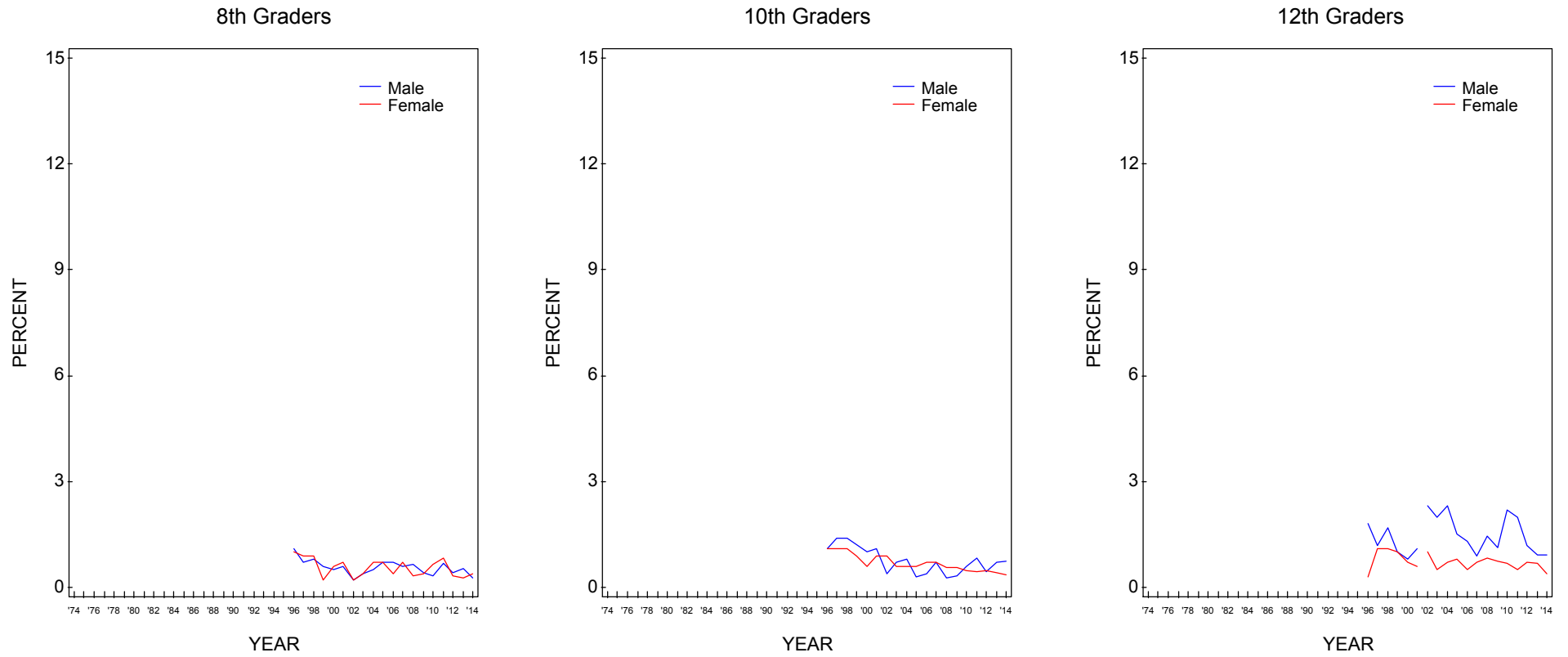
FIGURE 192
Over-the-Counter Cough/Cold Medicines: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

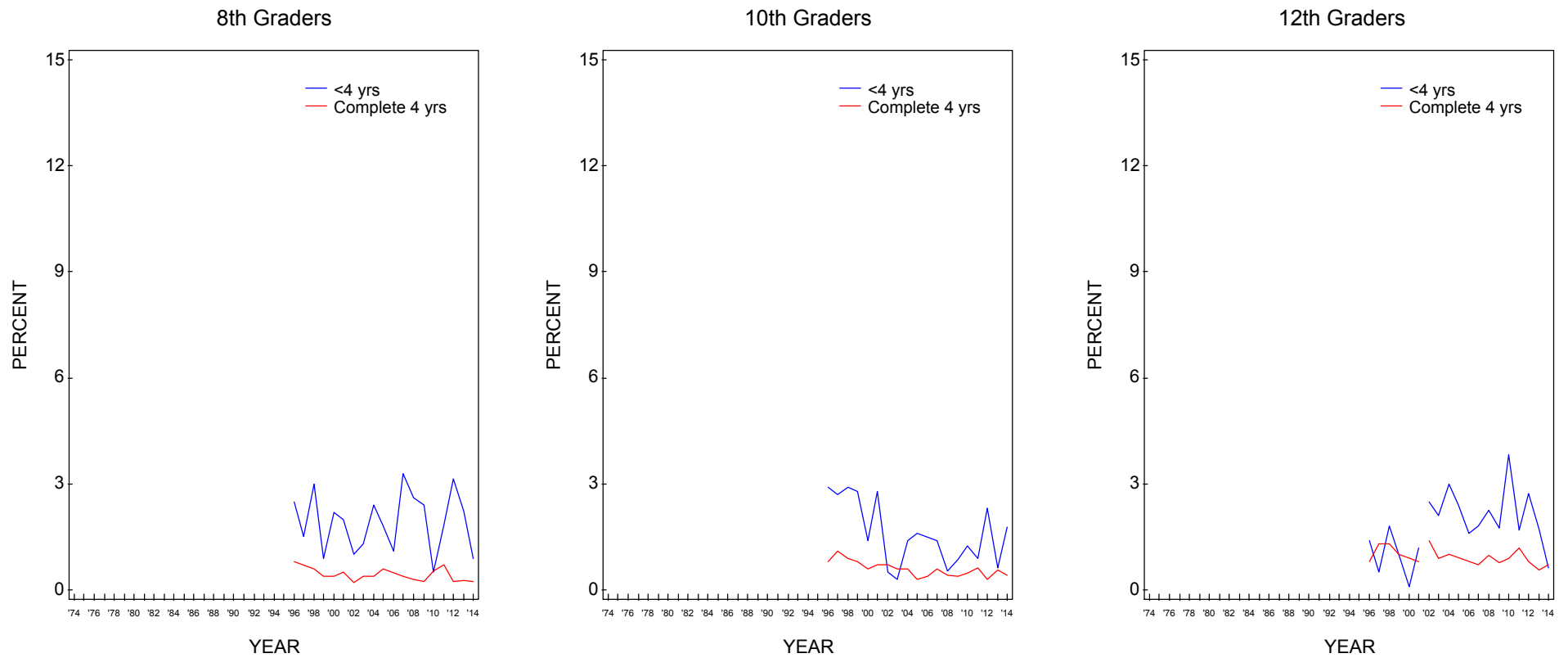
FIGURE 193
Rohypnol:* Trends in Annual Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on Rohypnol use was introduced among 12th graders. Refer to corresponding tables for further details.

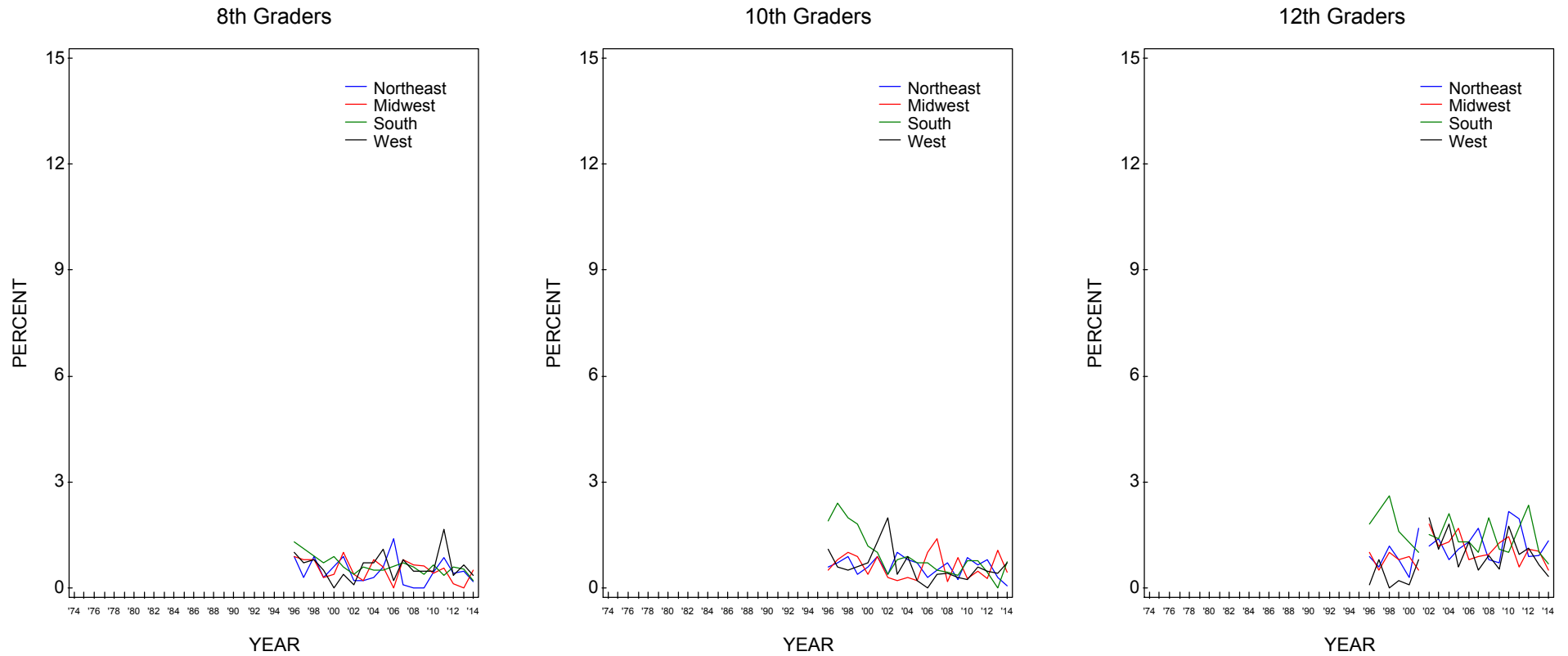
FIGURE 194
Rohypnol:* Trends in Annual Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on Rohypnol use was introduced among 12th graders. Refer to corresponding tables for further details.

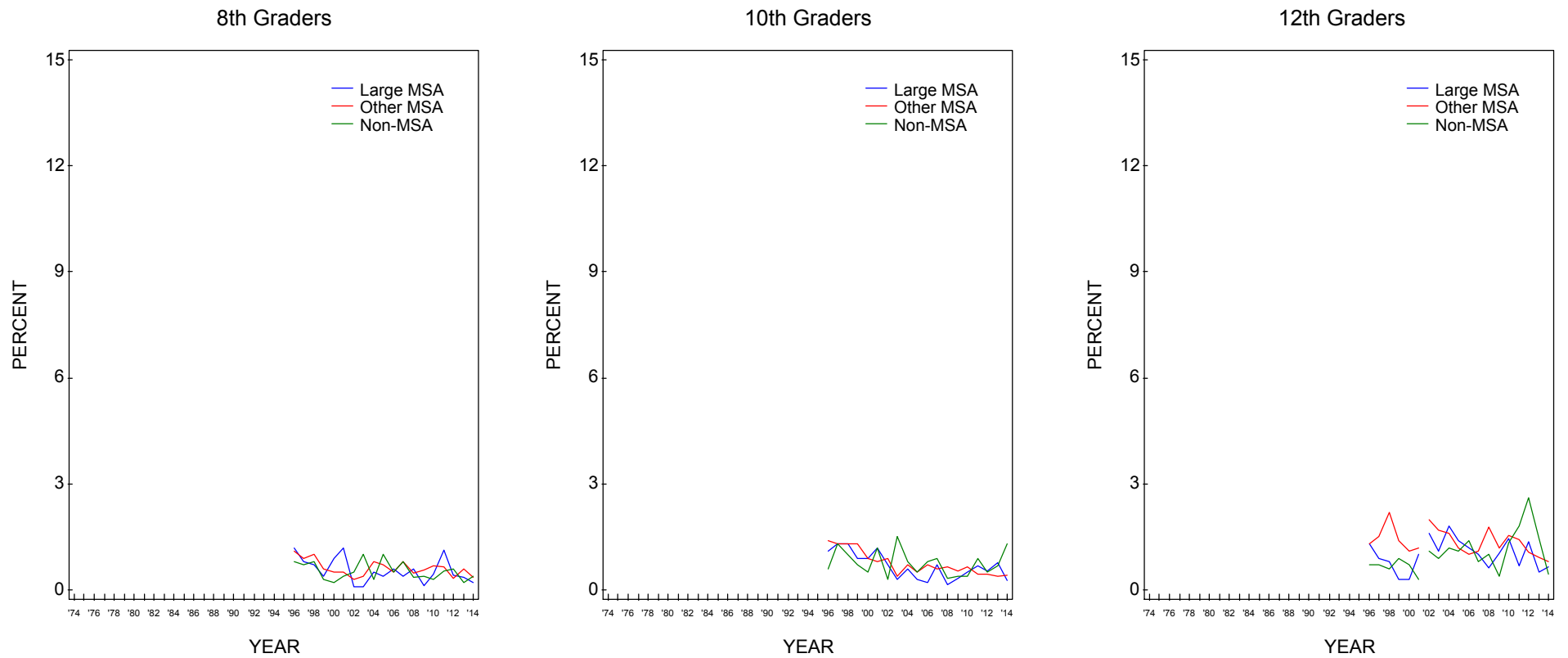
FIGURE 195
Rohypnol:* Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on Rohypnol use was introduced among 12th graders. Refer to corresponding tables for further details.

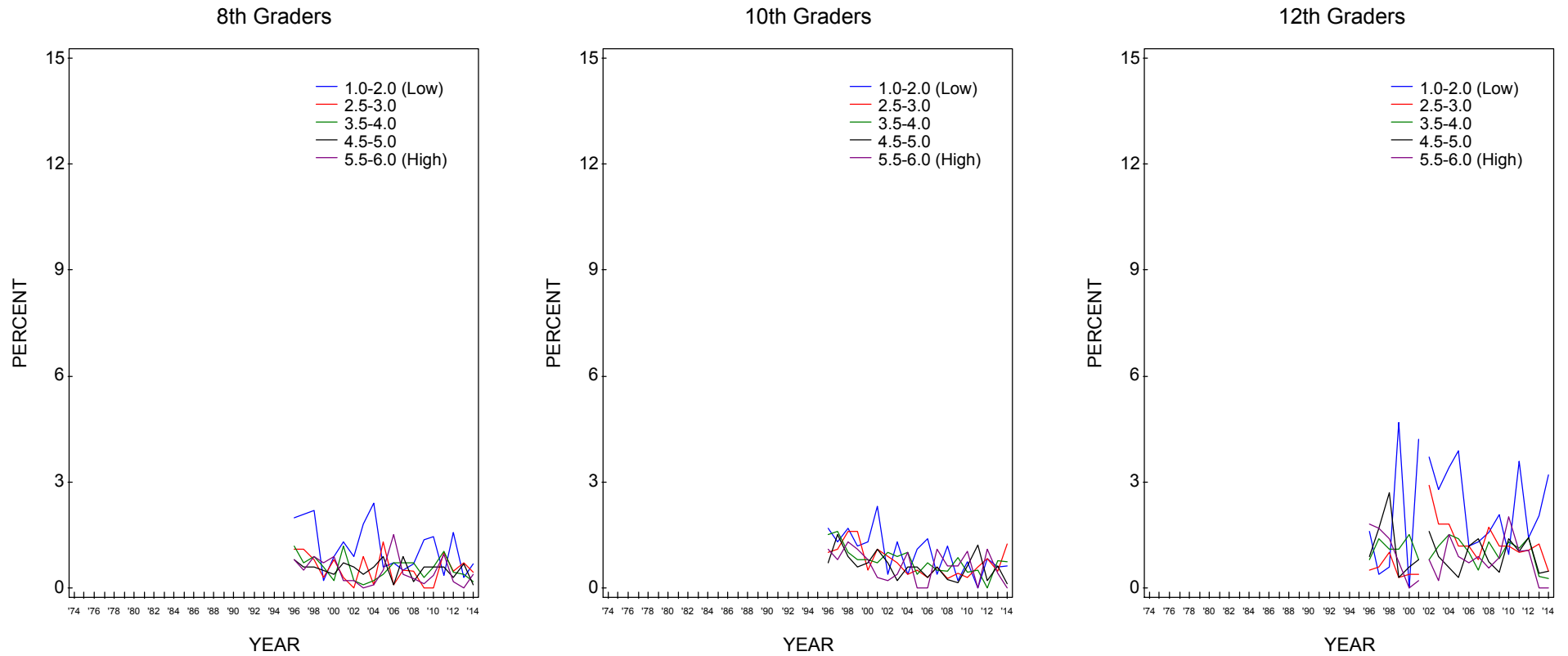
FIGURE 196
Rohypnol:* Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on Rohypnol use was introduced among 12th graders. Refer to corresponding tables for further details.

FIGURE 197
Rohypnol:* Trends in Annual Prevalence by Average Education Level of Parents**

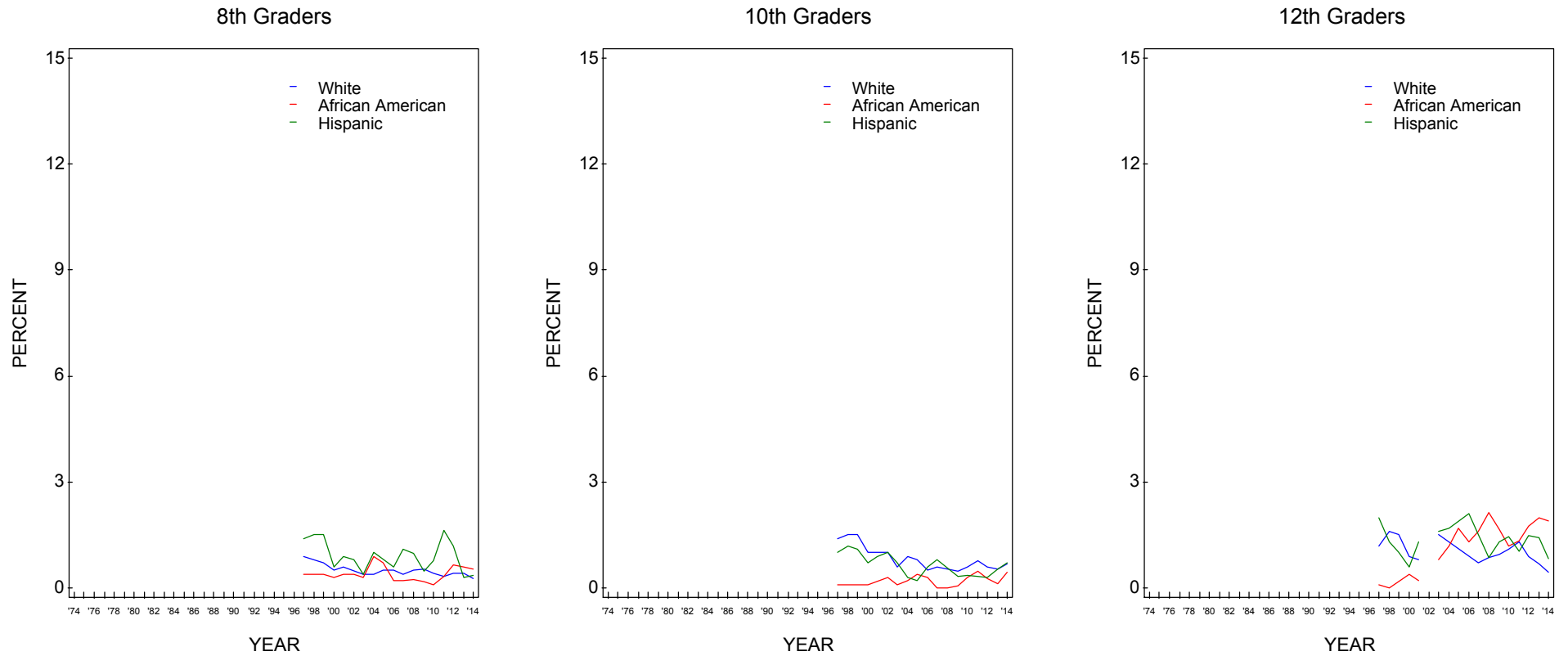


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on Rohypnol use was introduced among 12th graders. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 198
Rohypnol:* Trends in Annual Prevalence by Race/Ethnicity**

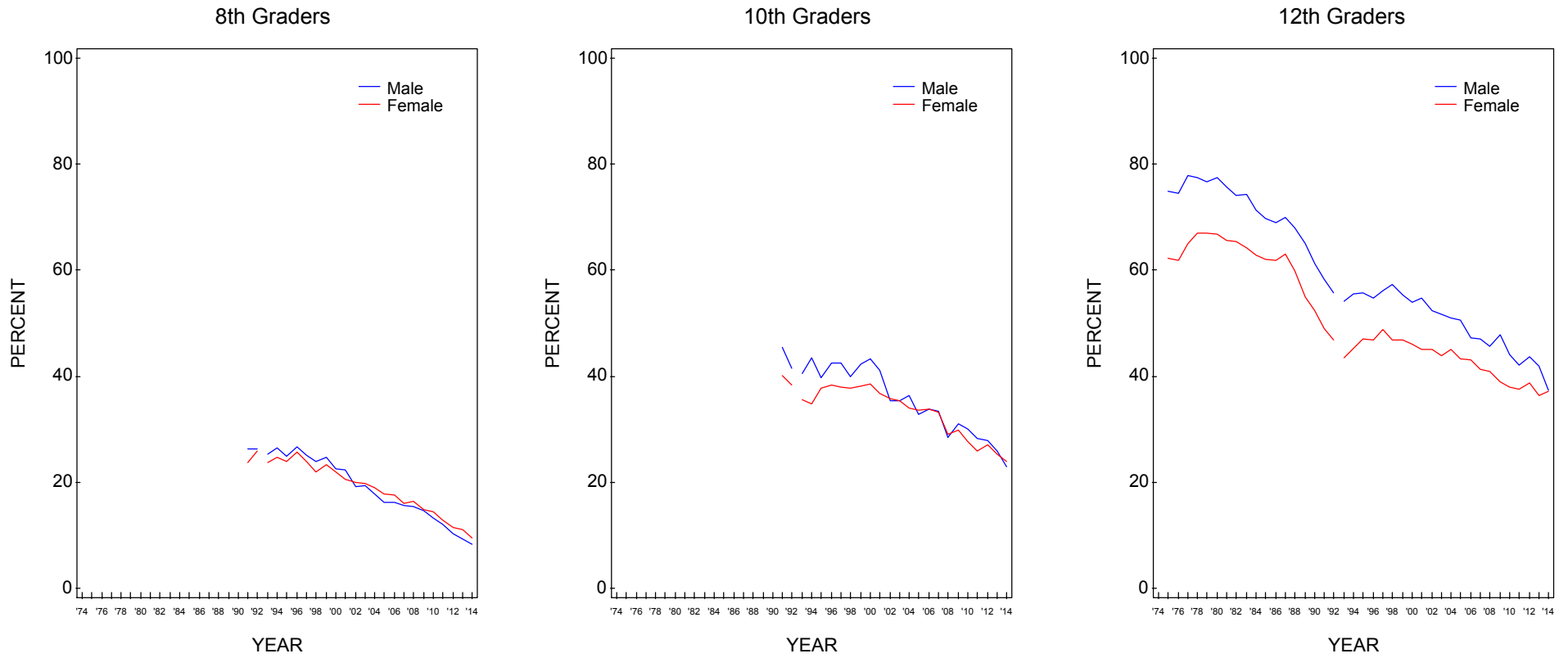


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 2002, a revised set of questions on Rohypnol use was introduced among 12th graders. Refer to corresponding tables for further details.

**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

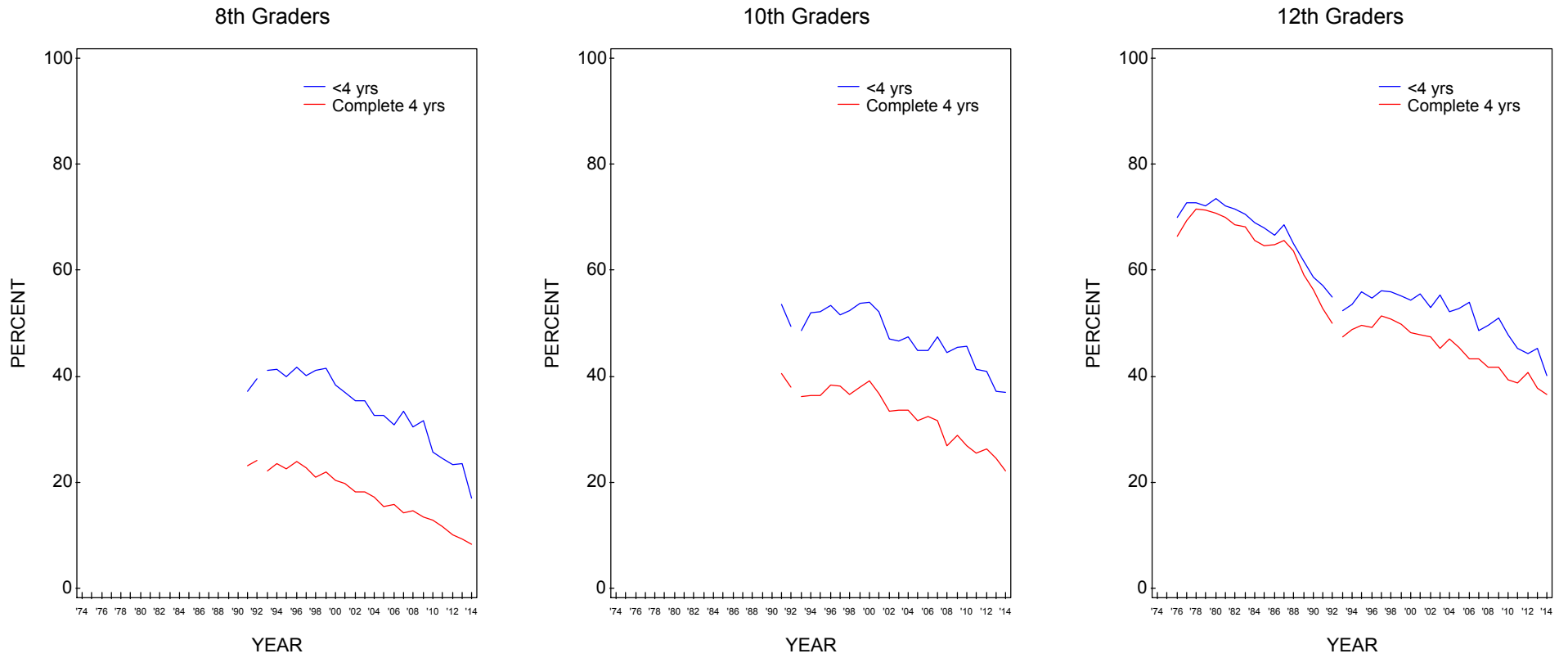
FIGURE 199
Alcohol:* Trends in 30-Day Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

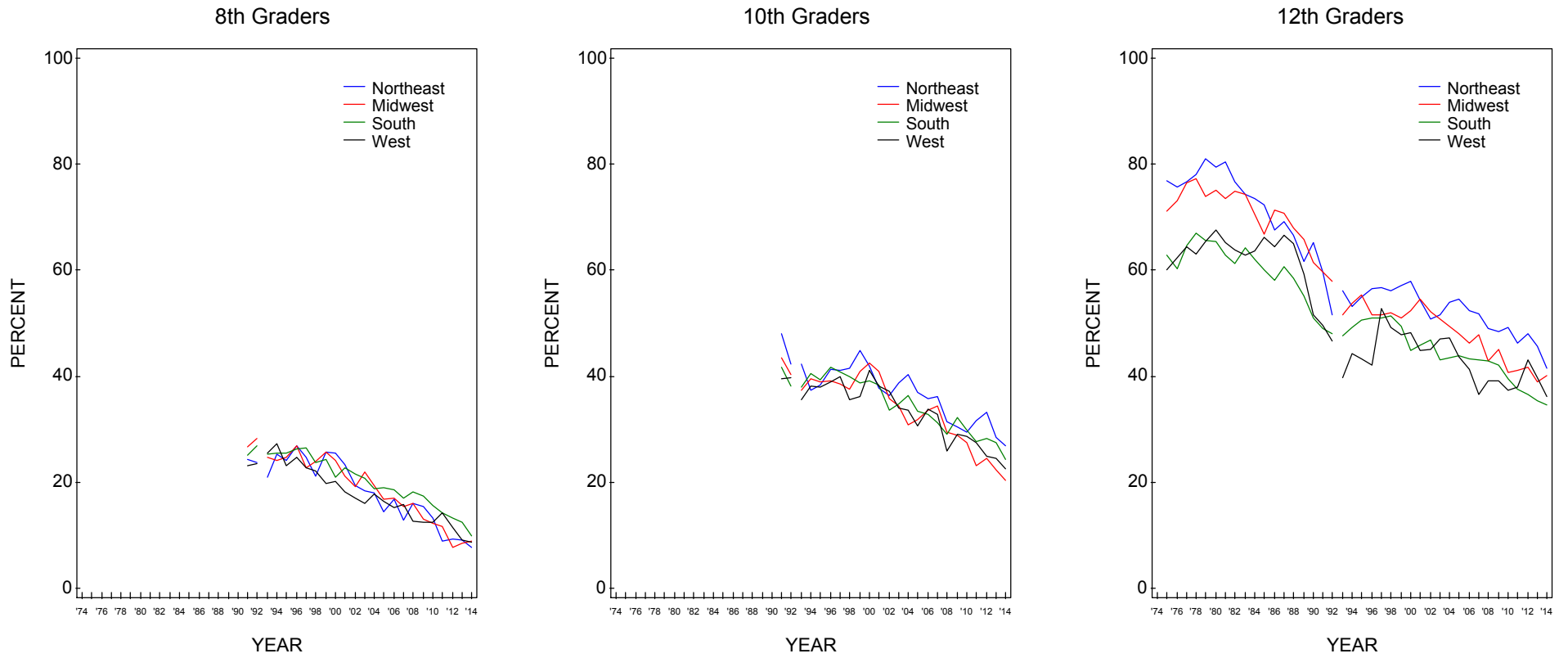
*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 200
Alcohol:* Trends in 30-Day Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

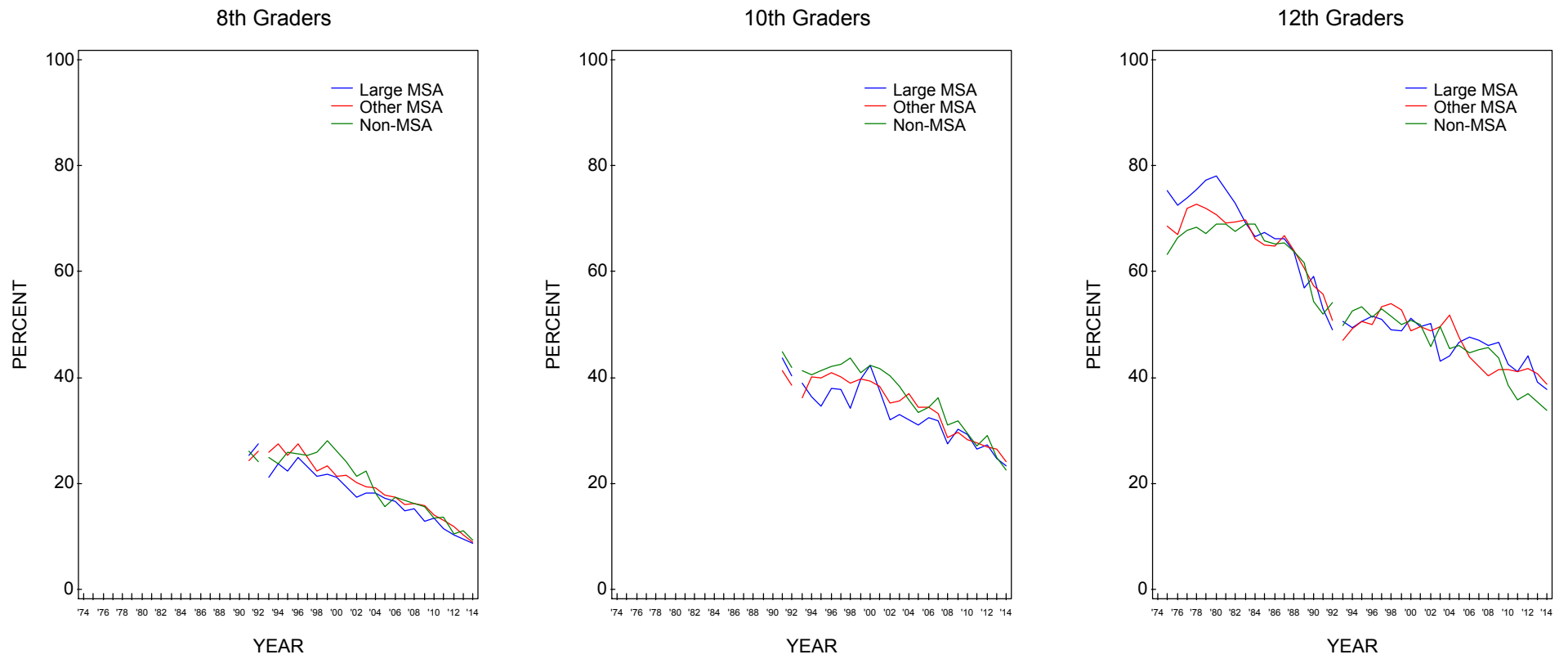
FIGURE 201
Alcohol:* Trends in 30-Day Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

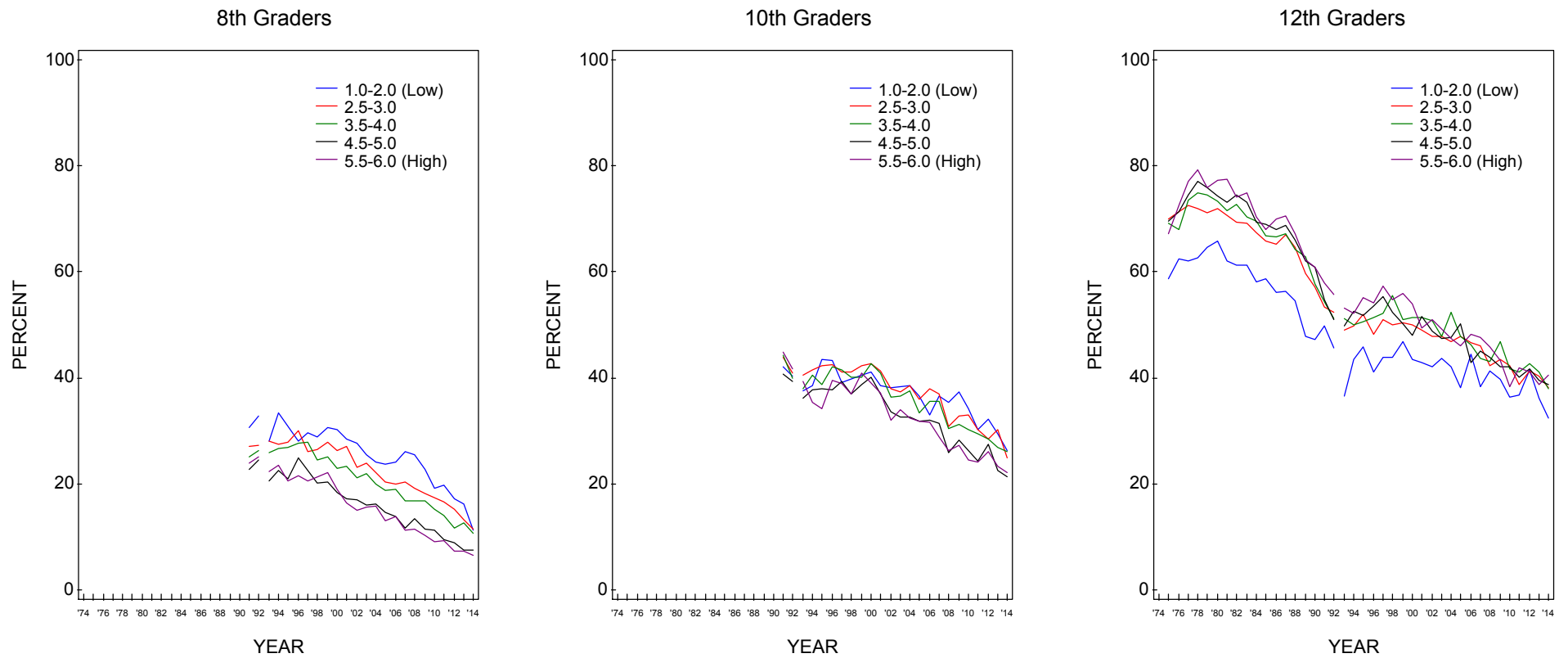
*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 202
Alcohol:* Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 203
Alcohol:* Trends in 30-Day Prevalence by Average Education Level of Parents**

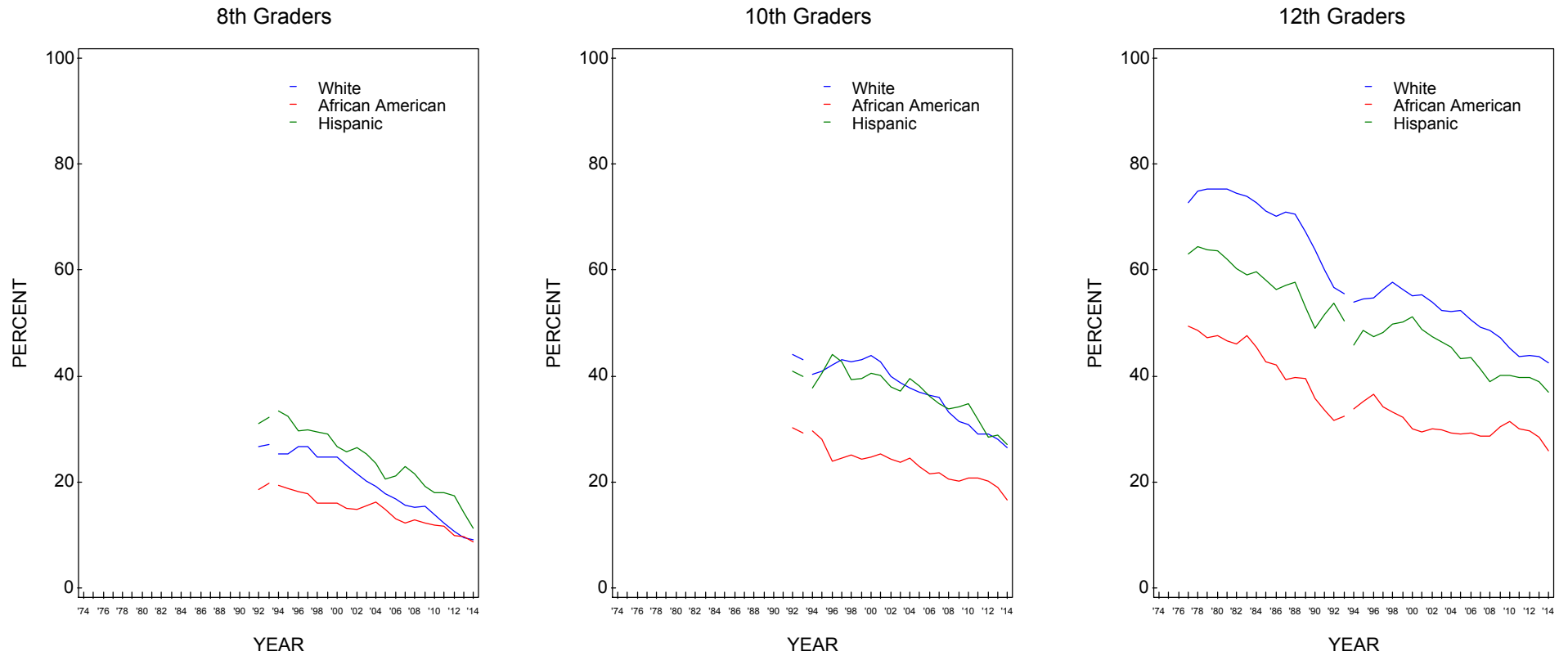


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 204
Alcohol:* Trends in 30-Day Prevalence by Race/Ethnicity**

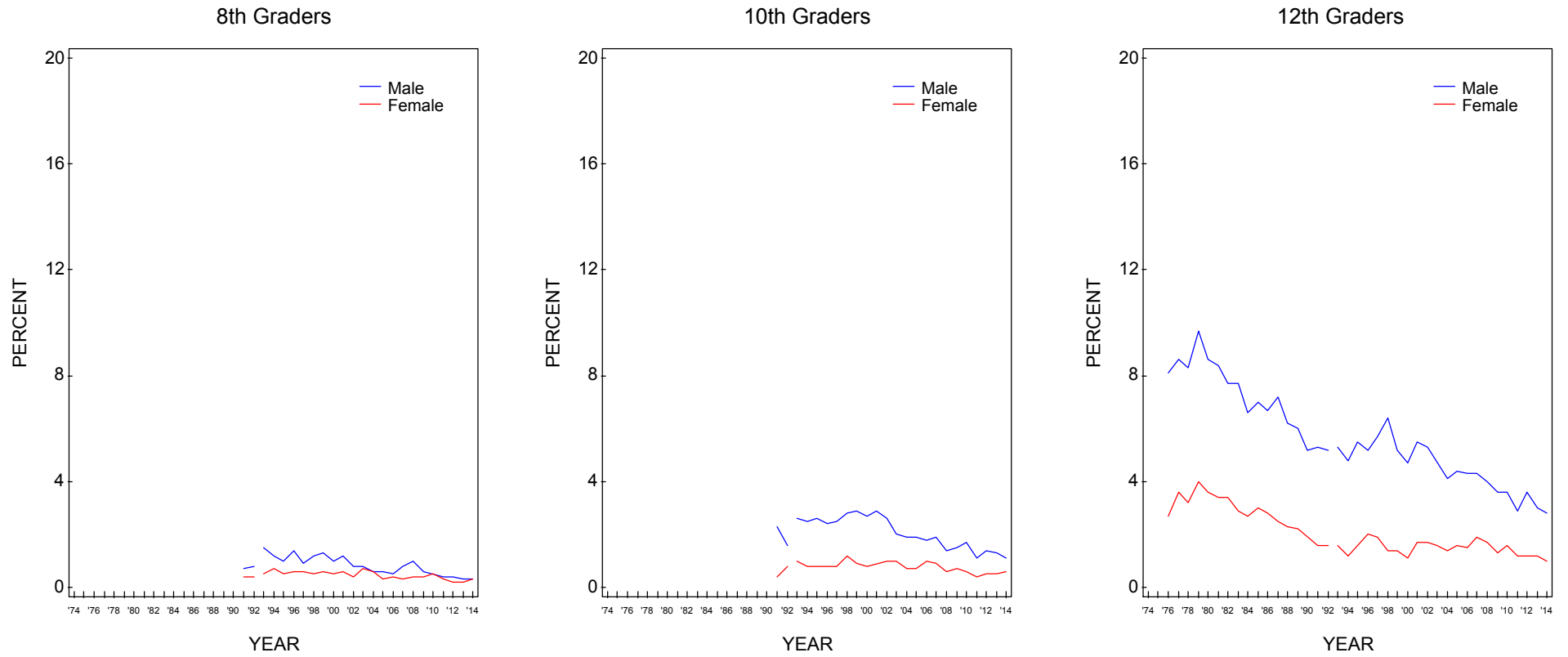


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

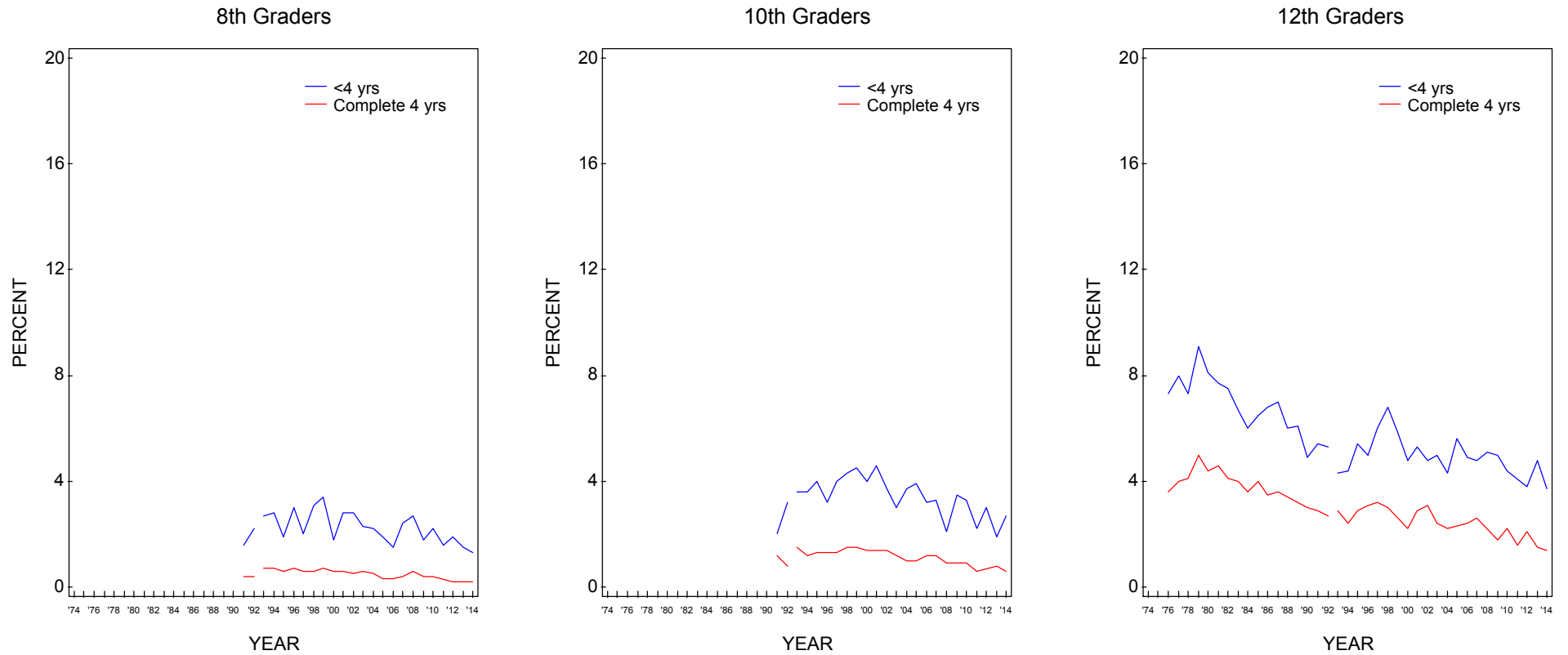
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 205
Alcohol:* Trends in Daily Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

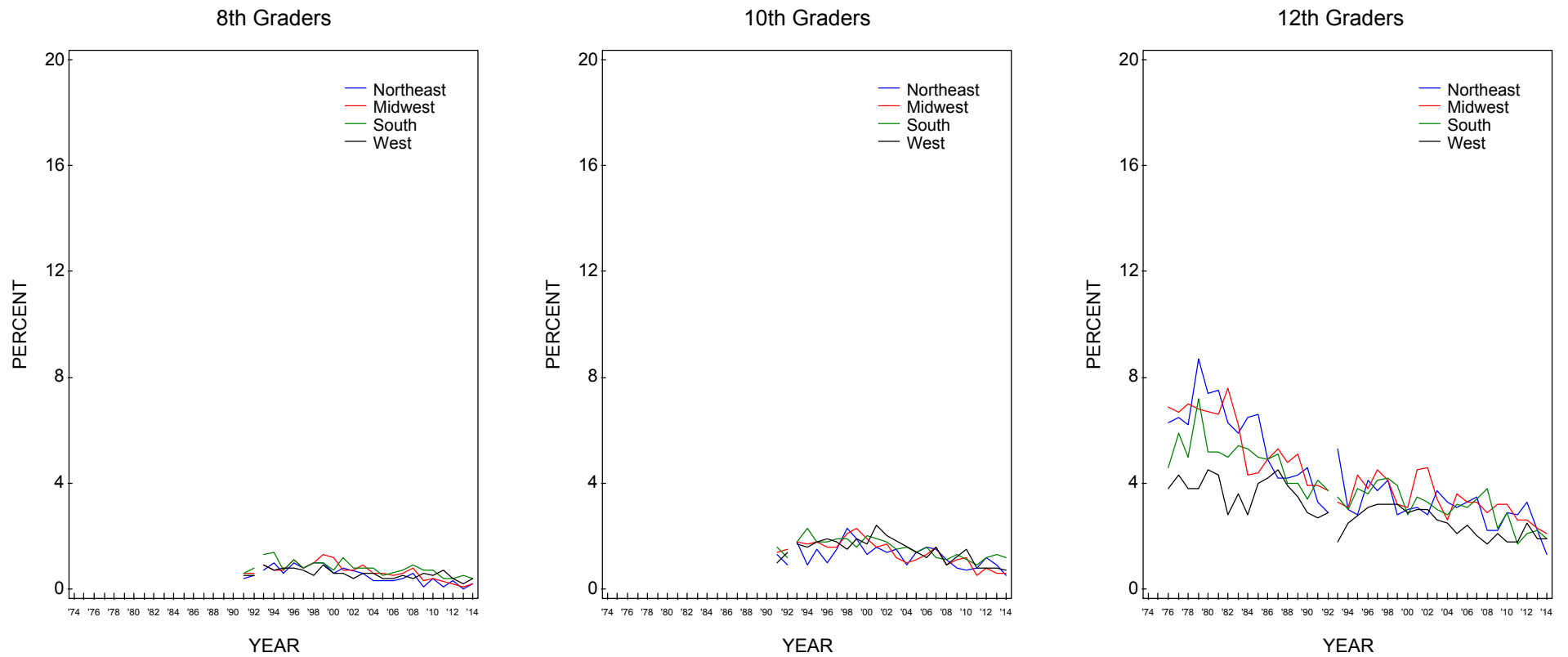
FIGURE 206
Alcohol:* Trends in Daily Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

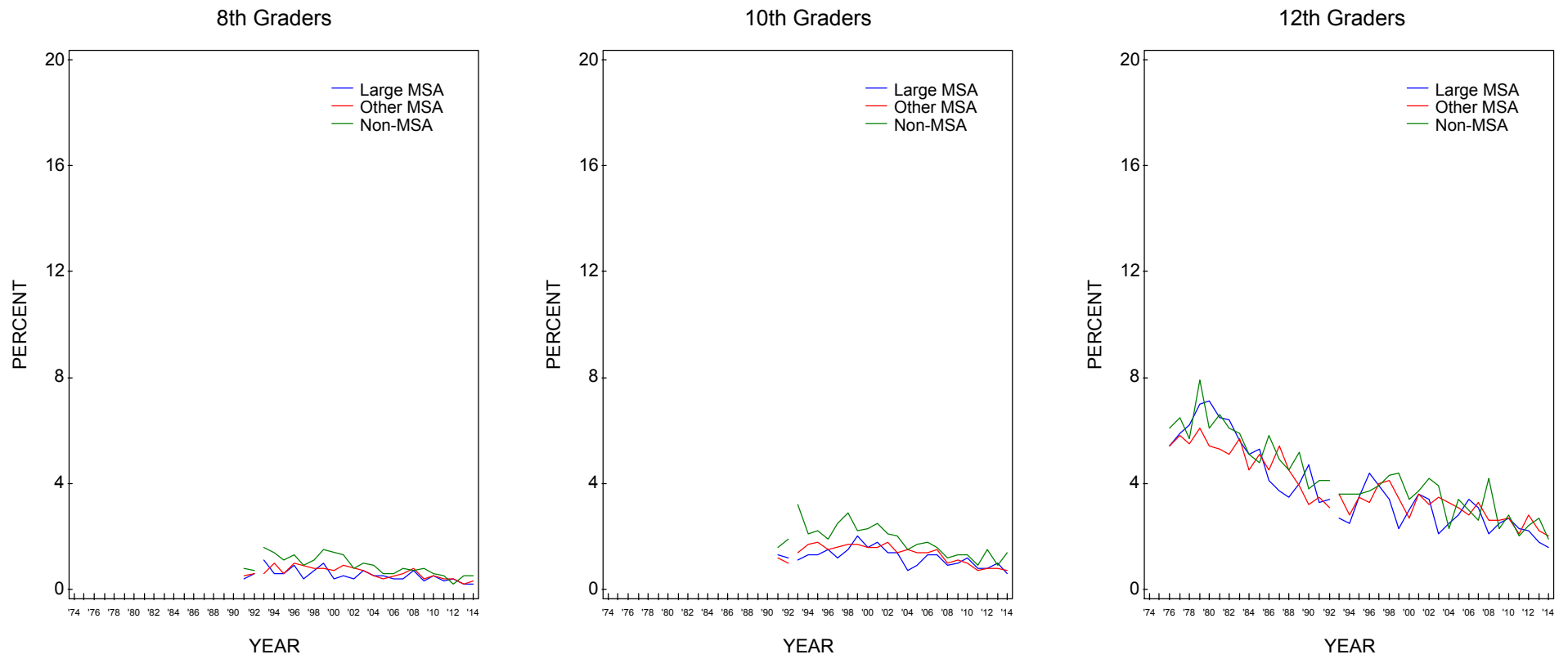
*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 207
Alcohol:* Trends in Daily Prevalence by Region



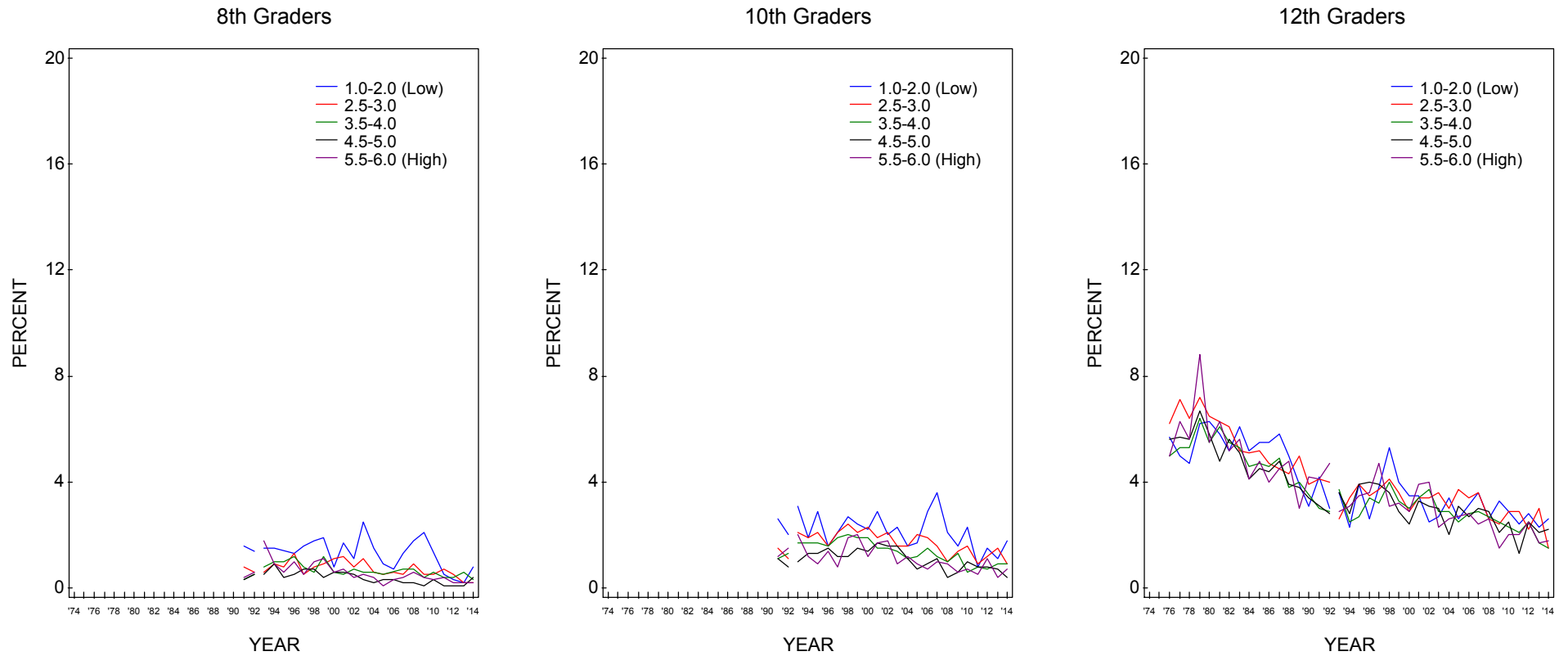
Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 208
Alcohol:* Trends in Daily Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.
 *Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

FIGURE 209
Alcohol:* Trends in Daily Prevalence by Average Education Level of Parents**

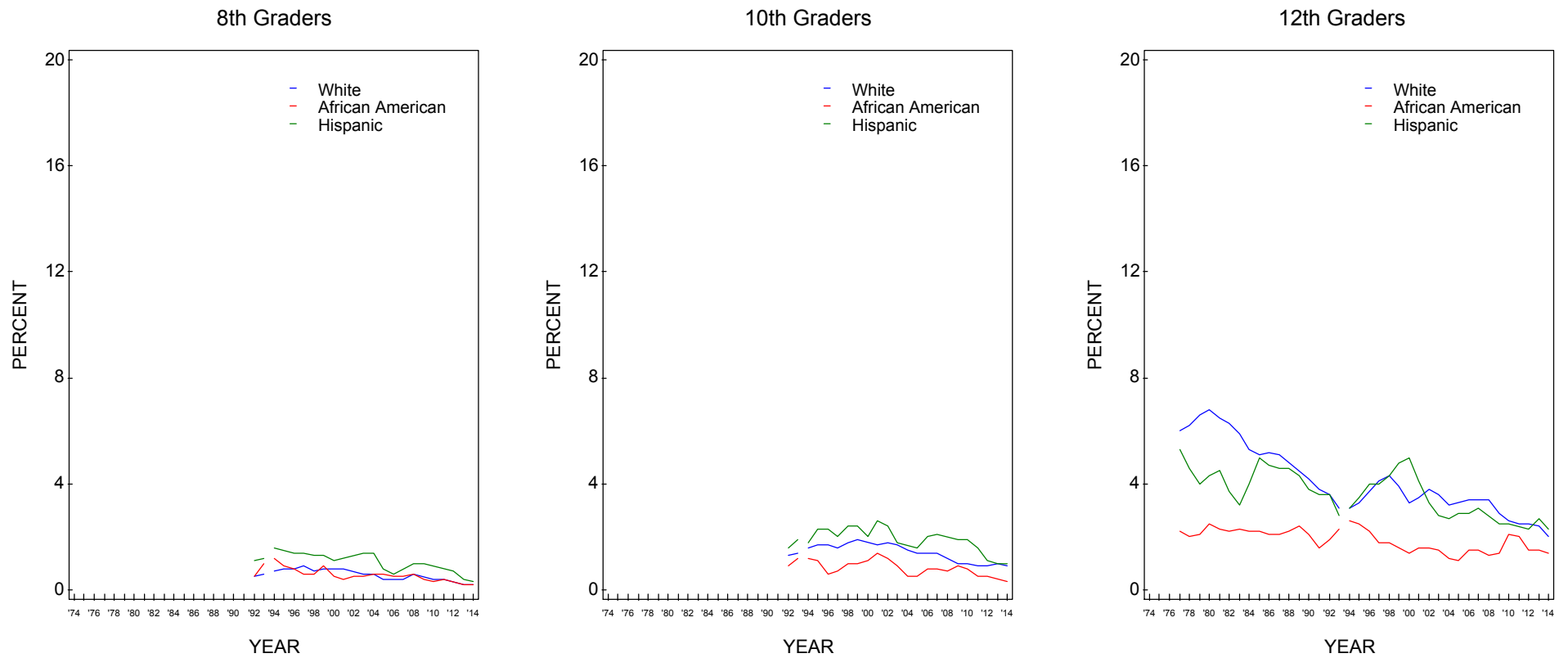


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 210
Alcohol:* Trends in Daily Prevalence by Race/Ethnicity**

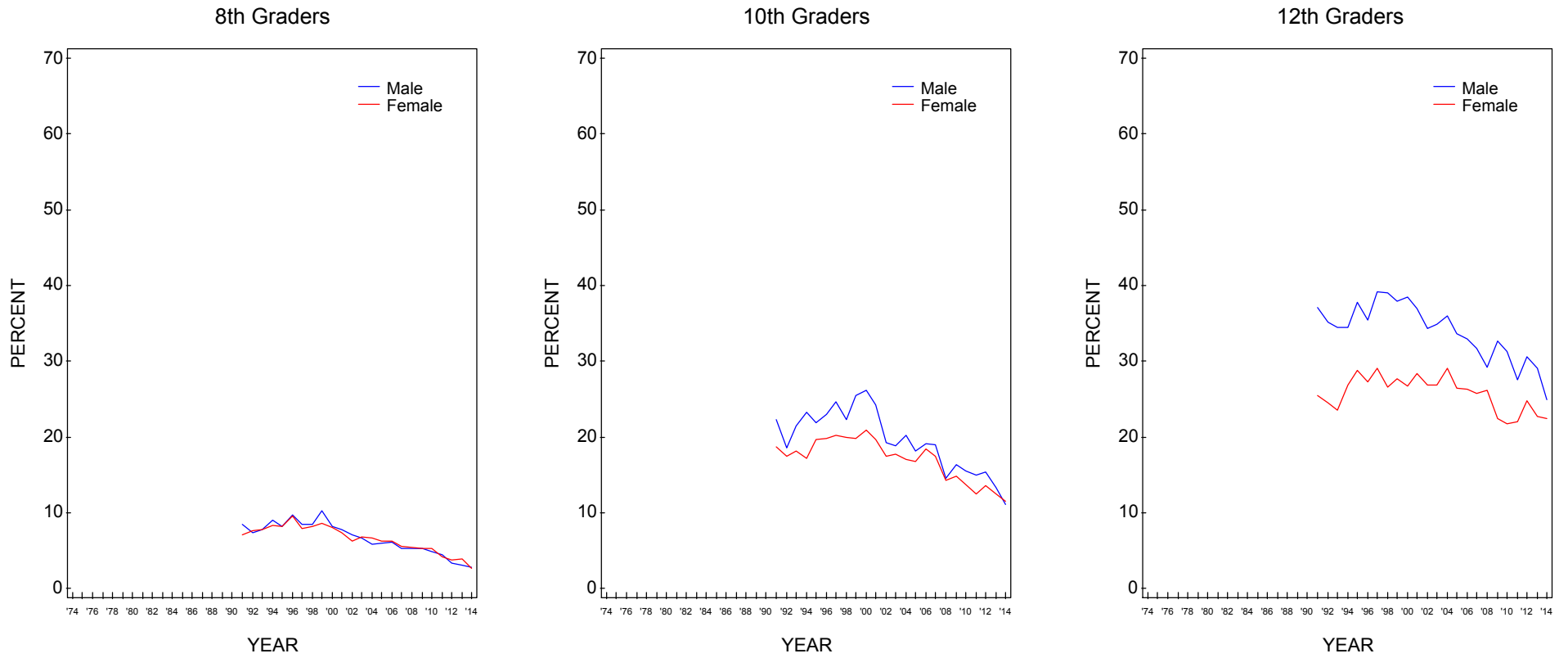


Source. The Monitoring the Future study, the University of Michigan.

*Beginning in 1993, a revised set of questions on alcohol use was introduced. Refer to corresponding tables for further details.

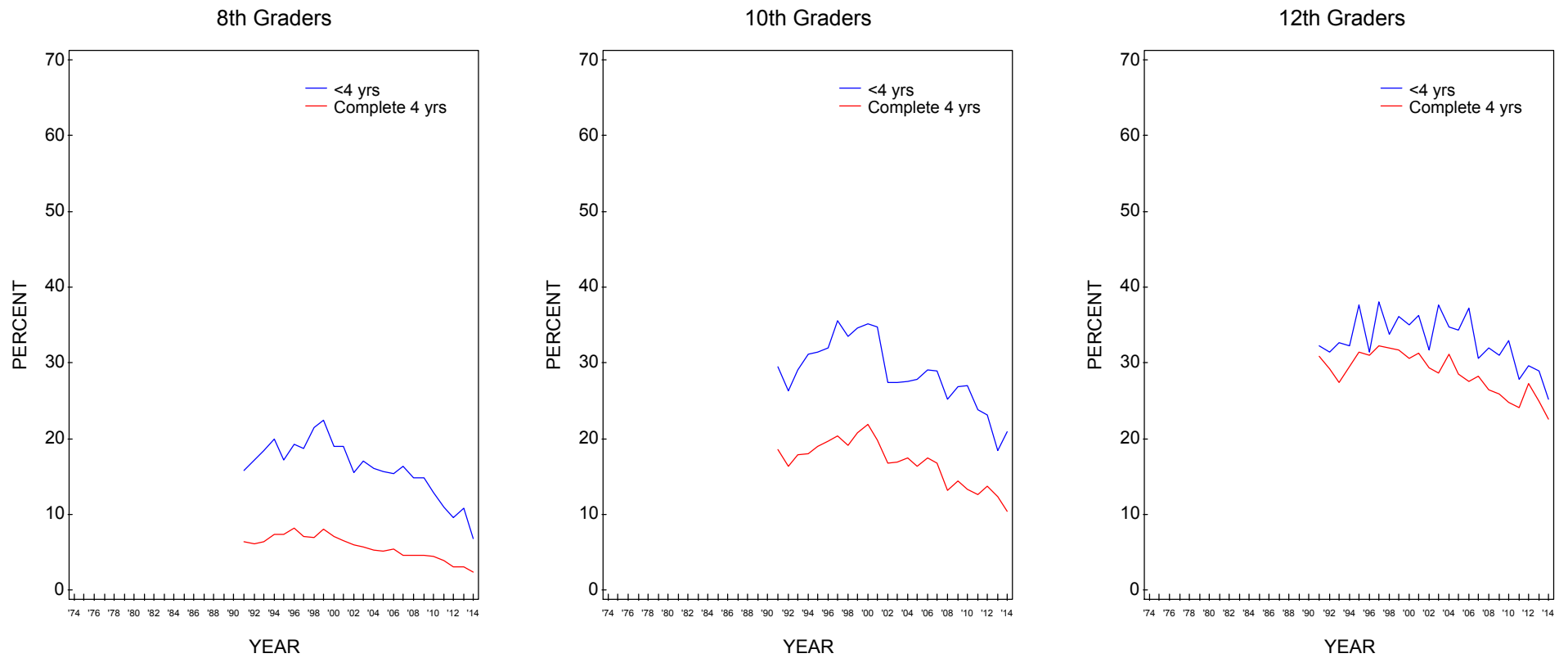
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 211
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Gender



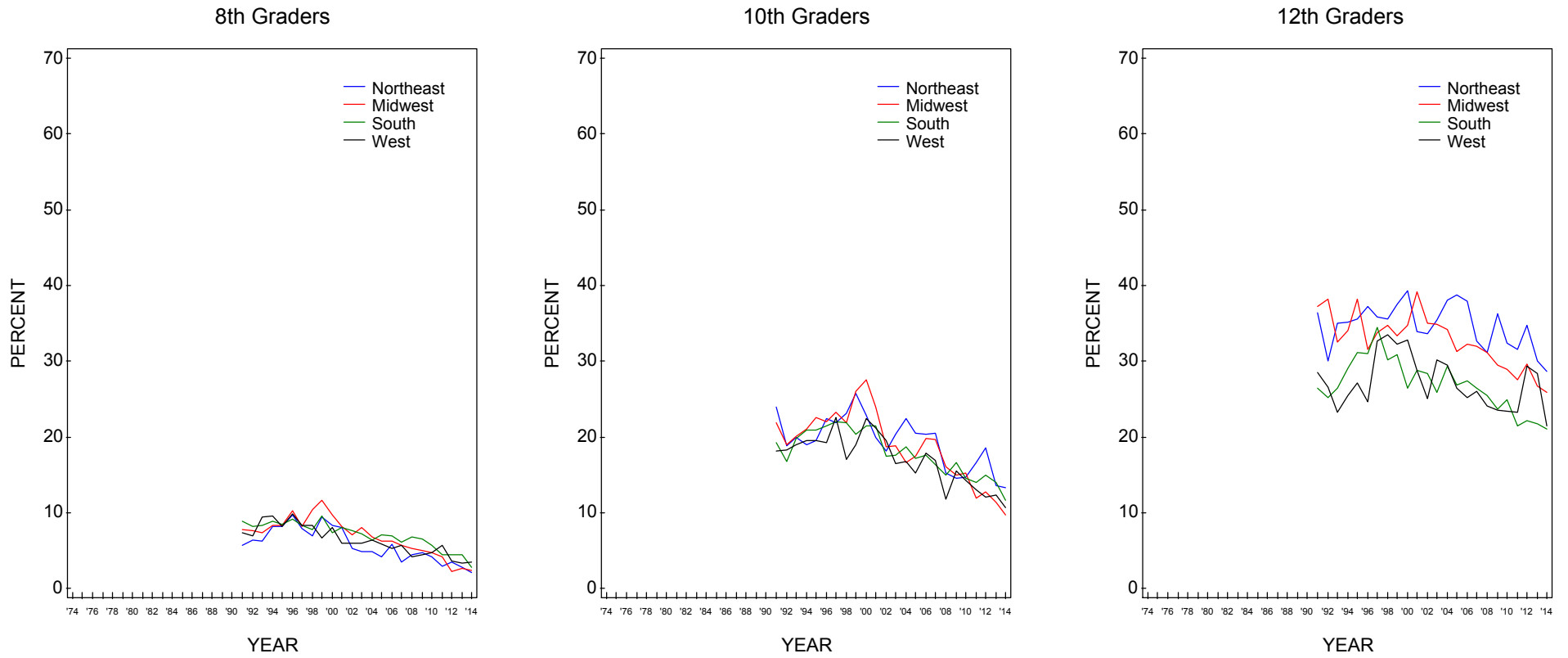
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 212
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by College Plans



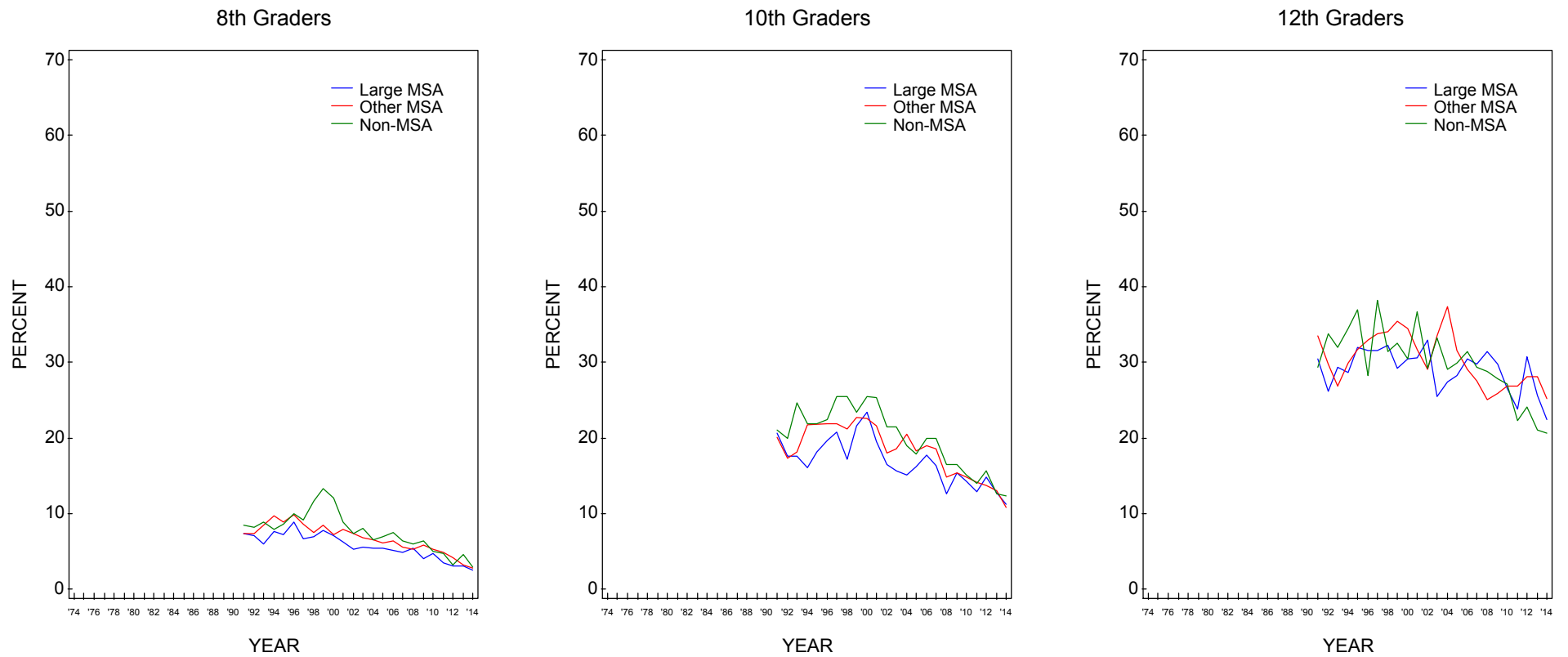
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 213
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Region



Source. The Monitoring the Future study, the University of Michigan.

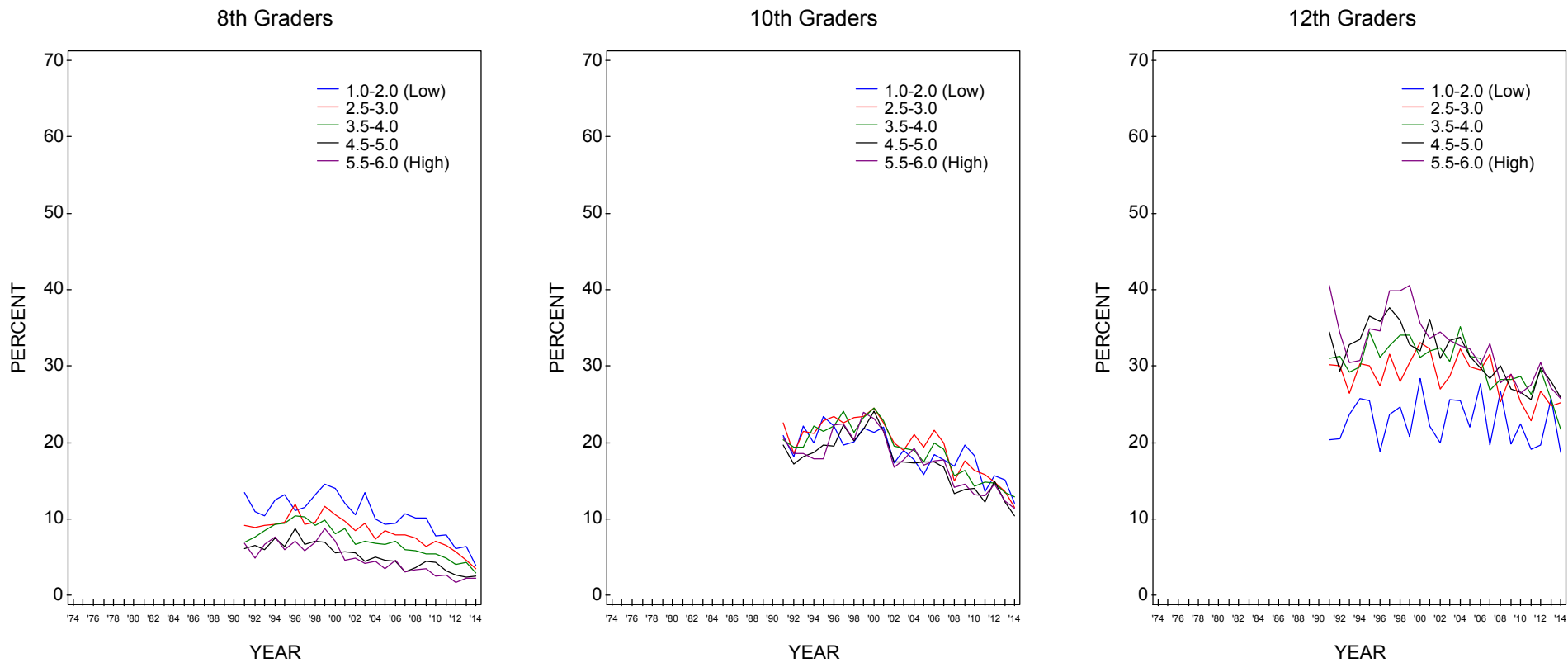
FIGURE 214
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 215

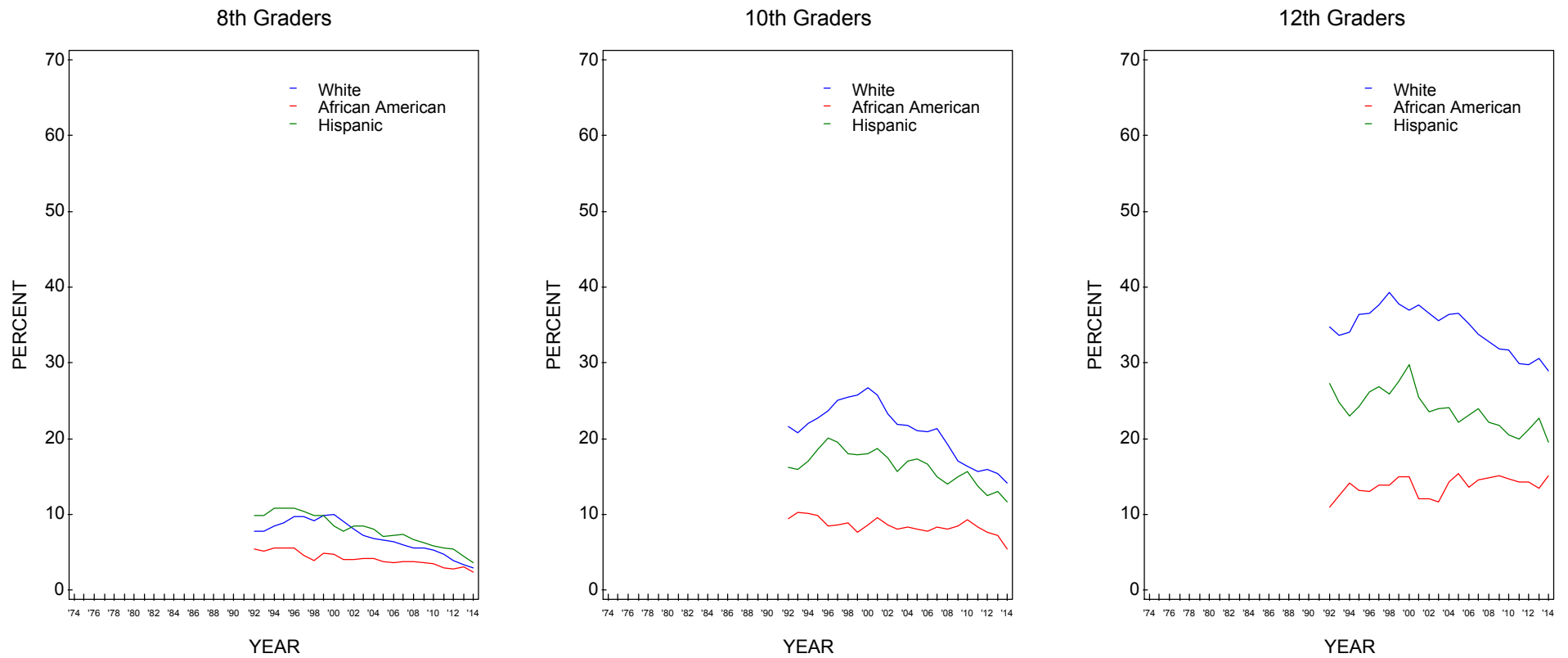
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

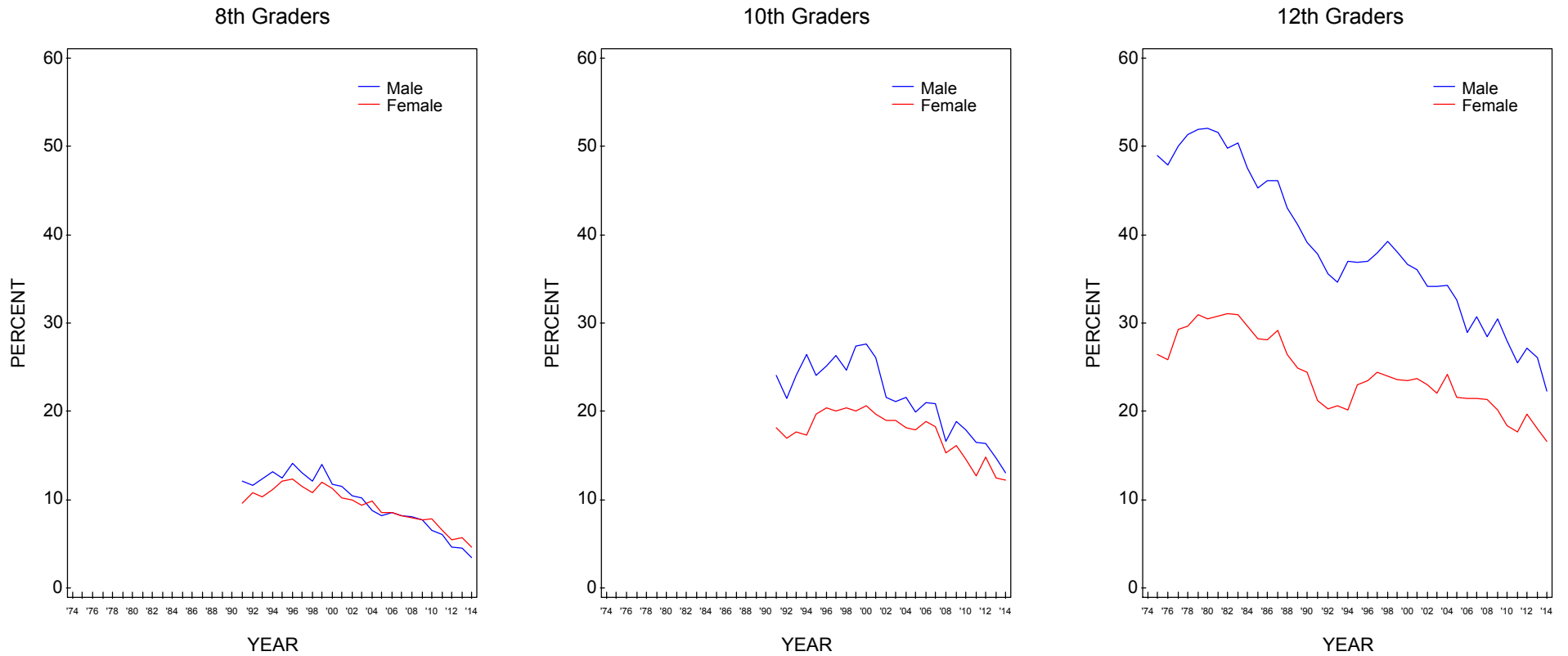
FIGURE 216
Alcohol: Trends in 30-Day Prevalence of Having Been Drunk by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

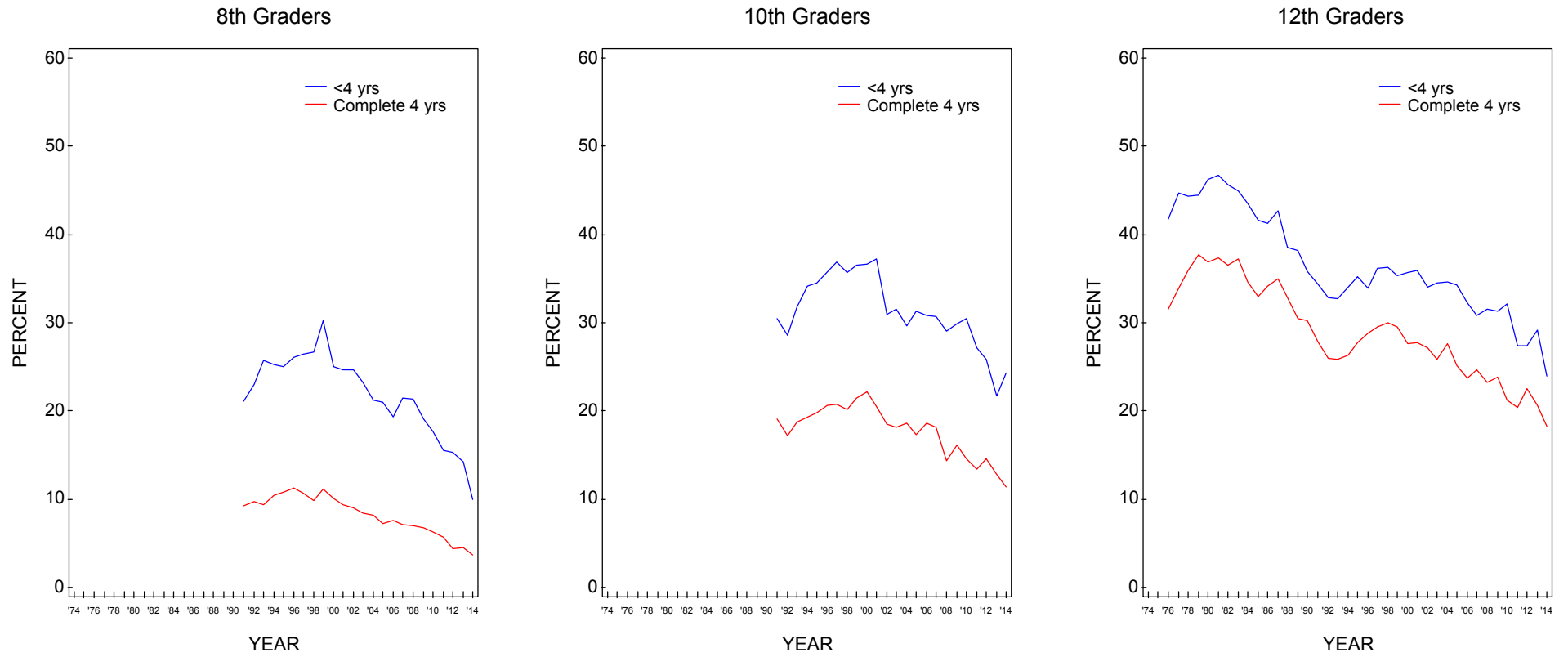
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 217
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Gender



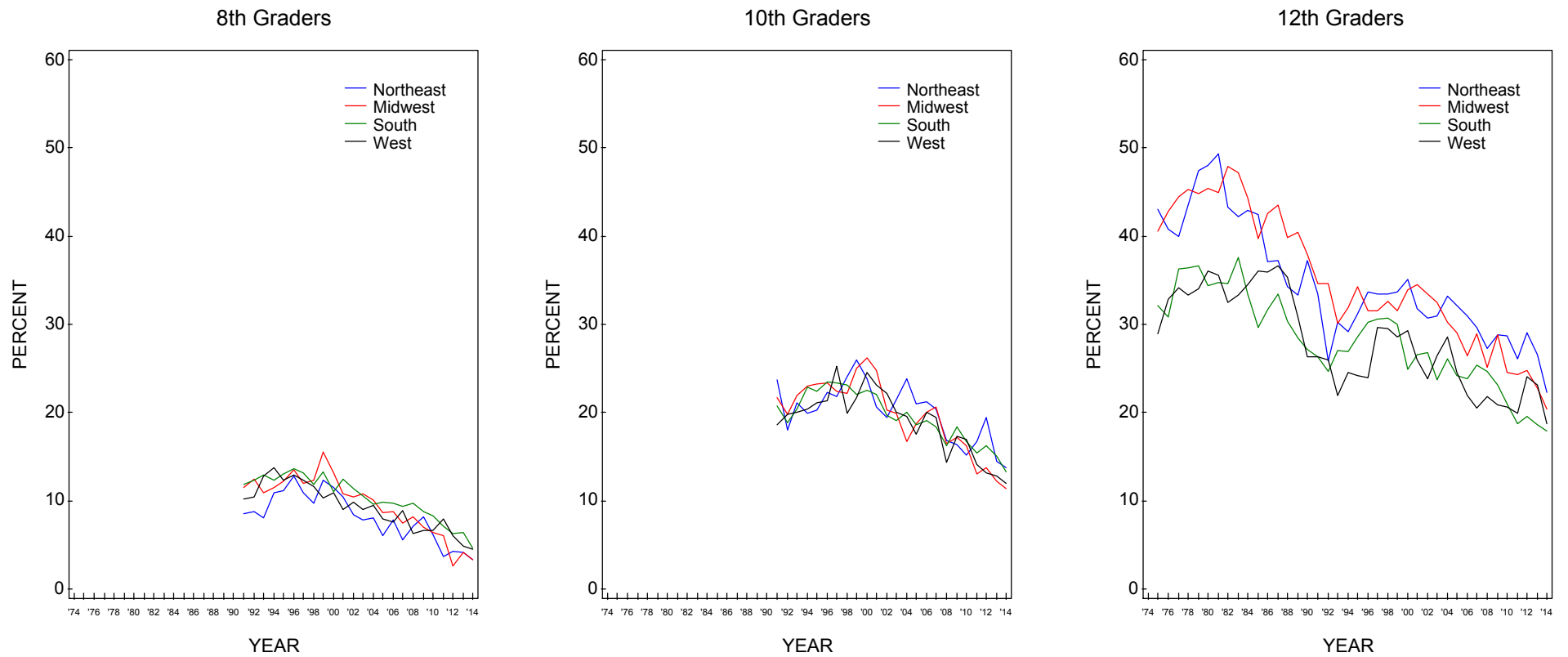
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 218
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by College Plans



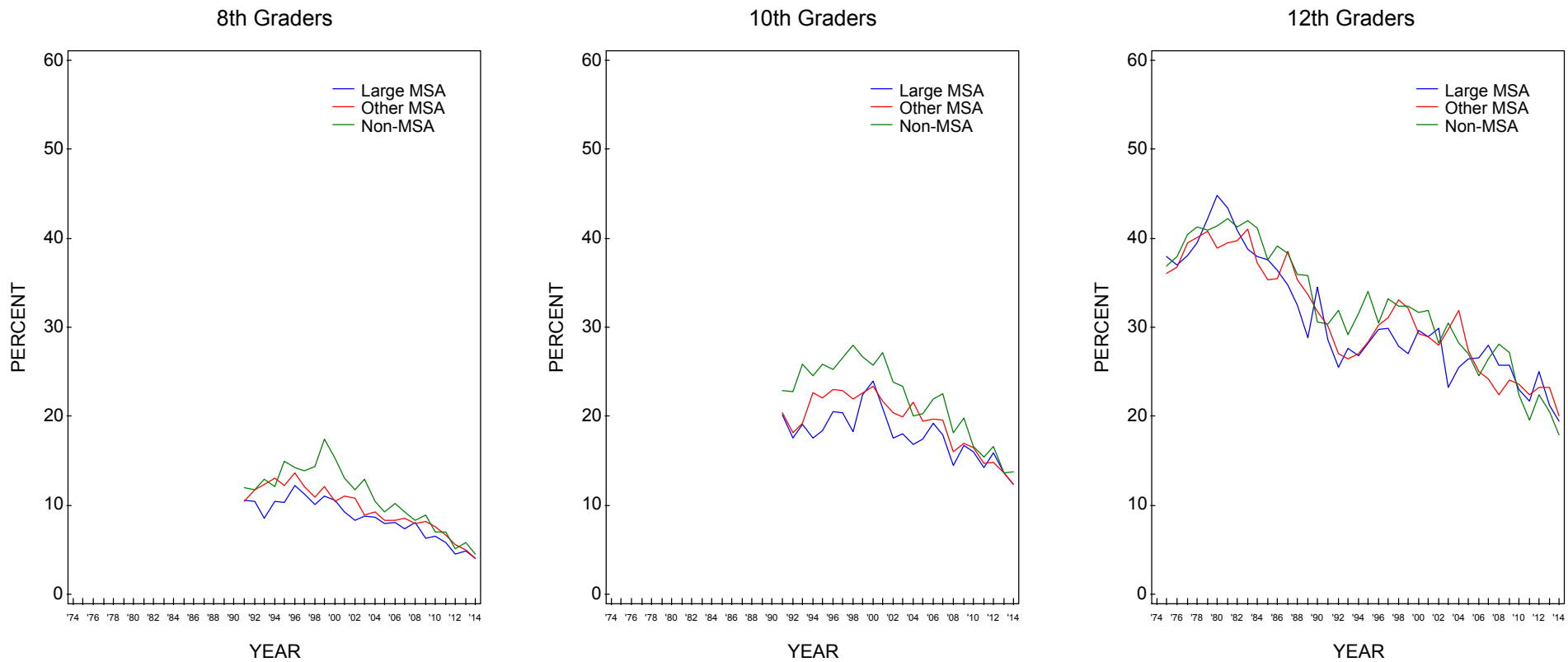
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 219
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Region



Source. The Monitoring the Future study, the University of Michigan.

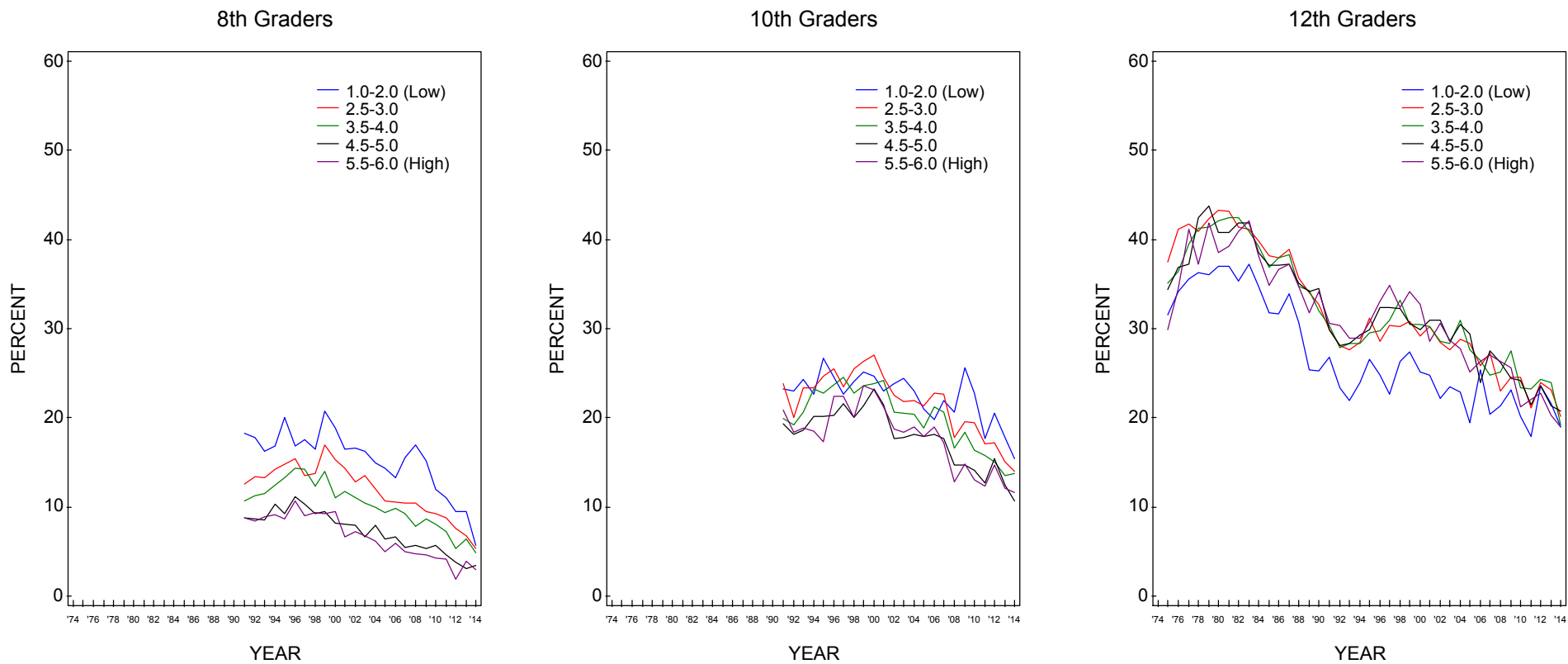
FIGURE 220
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 221

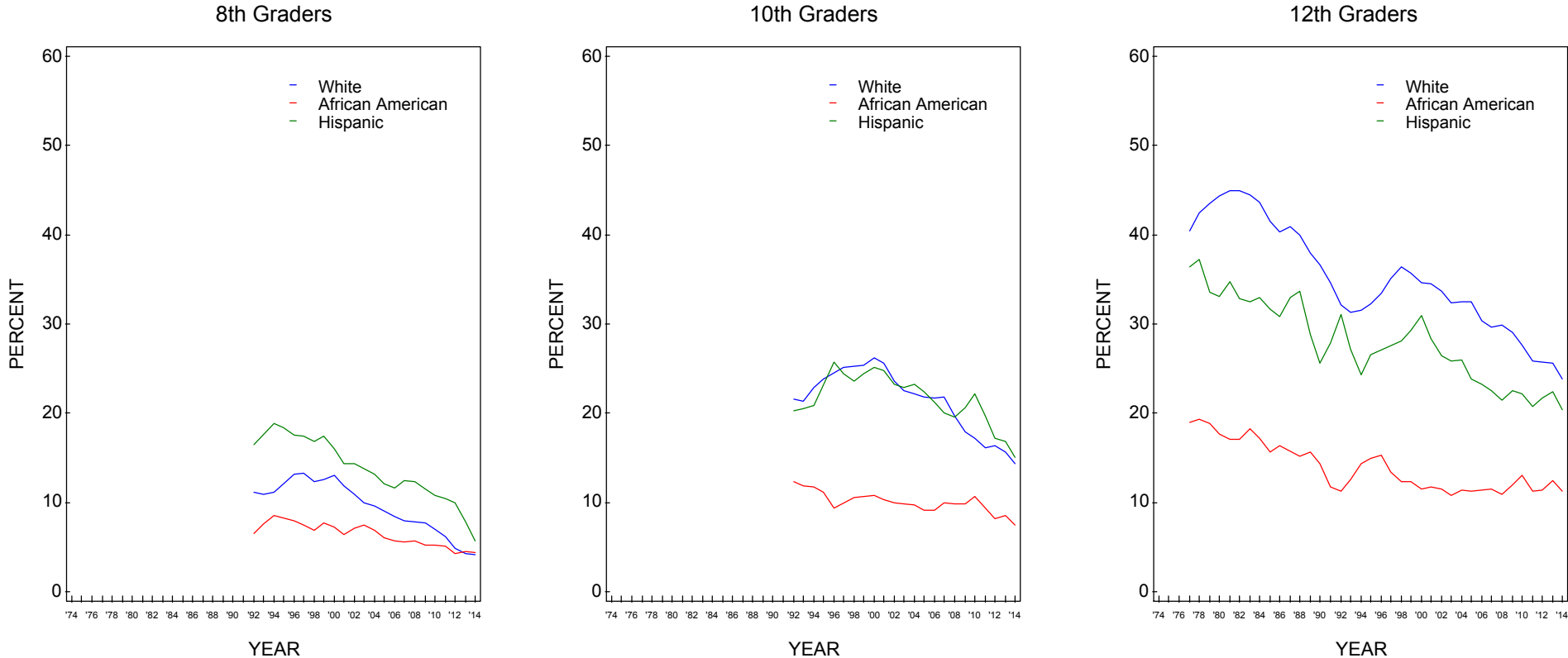
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

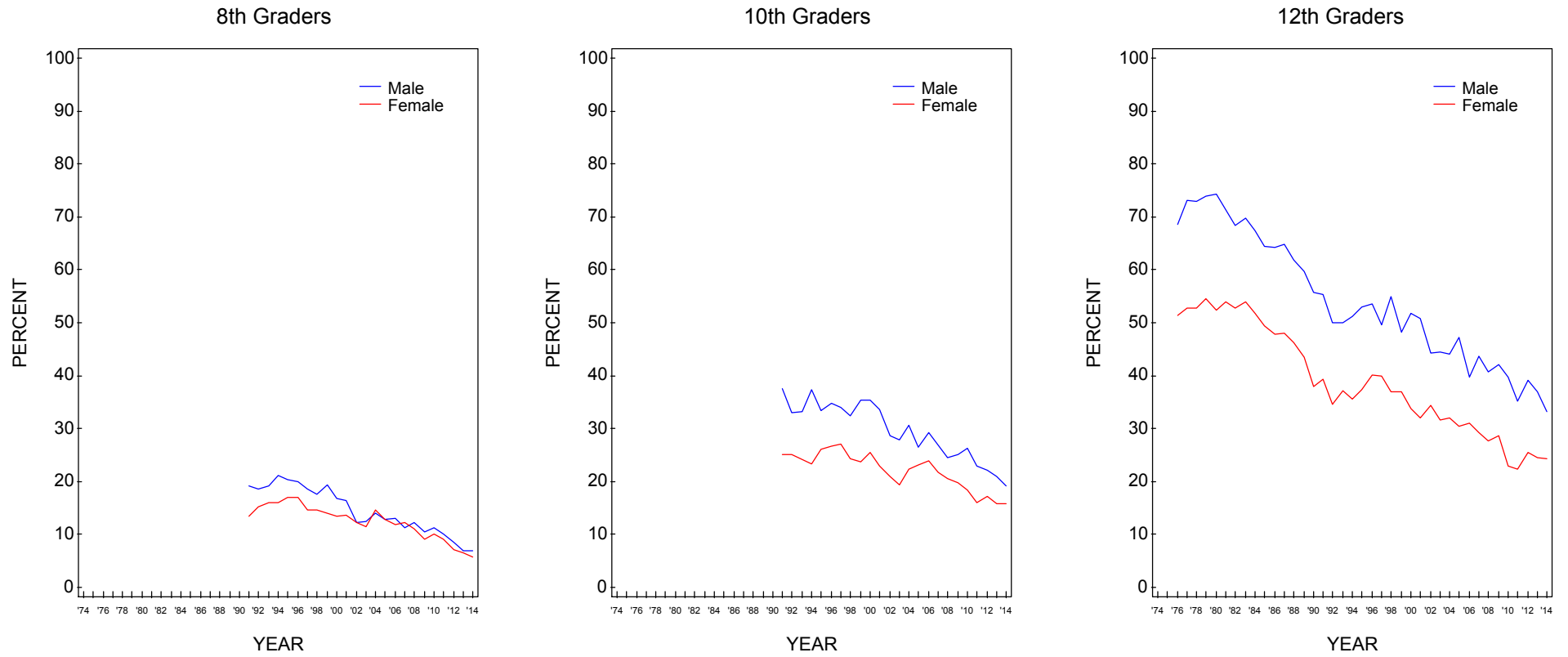
*Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 222
Alcohol: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Race/Ethnicity*



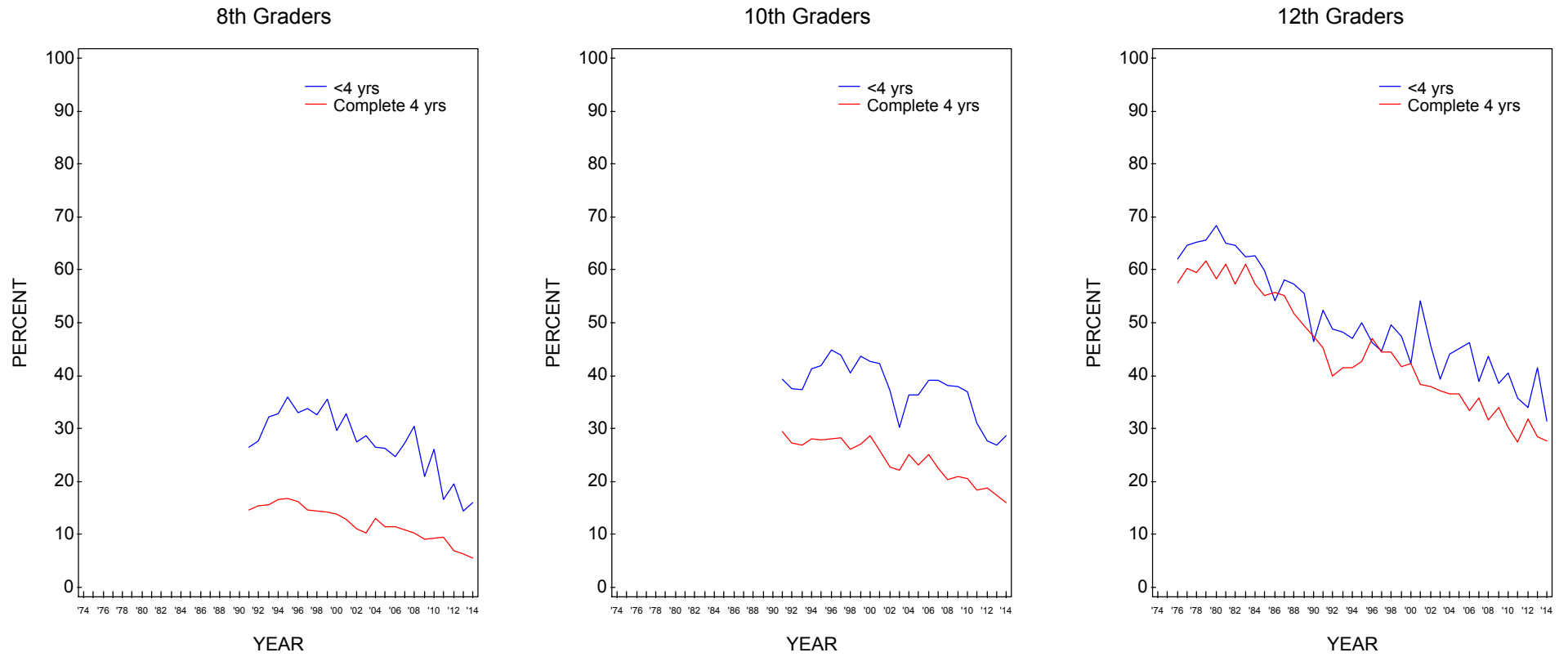
Source. The Monitoring the Future study, the University of Michigan.
 *To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 223
Beer: Trends in 30-Day Prevalence by Gender



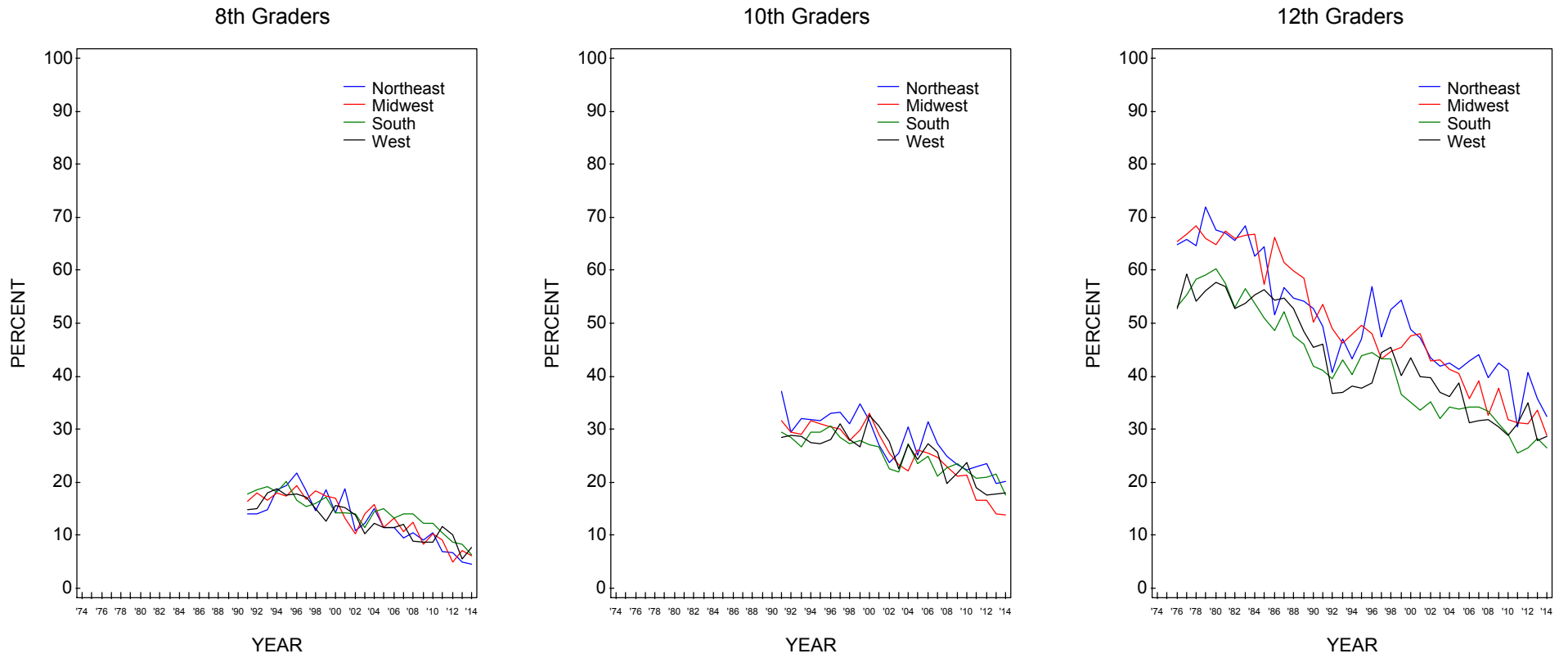
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 224
Beer: Trends in 30-Day Prevalence by College Plans



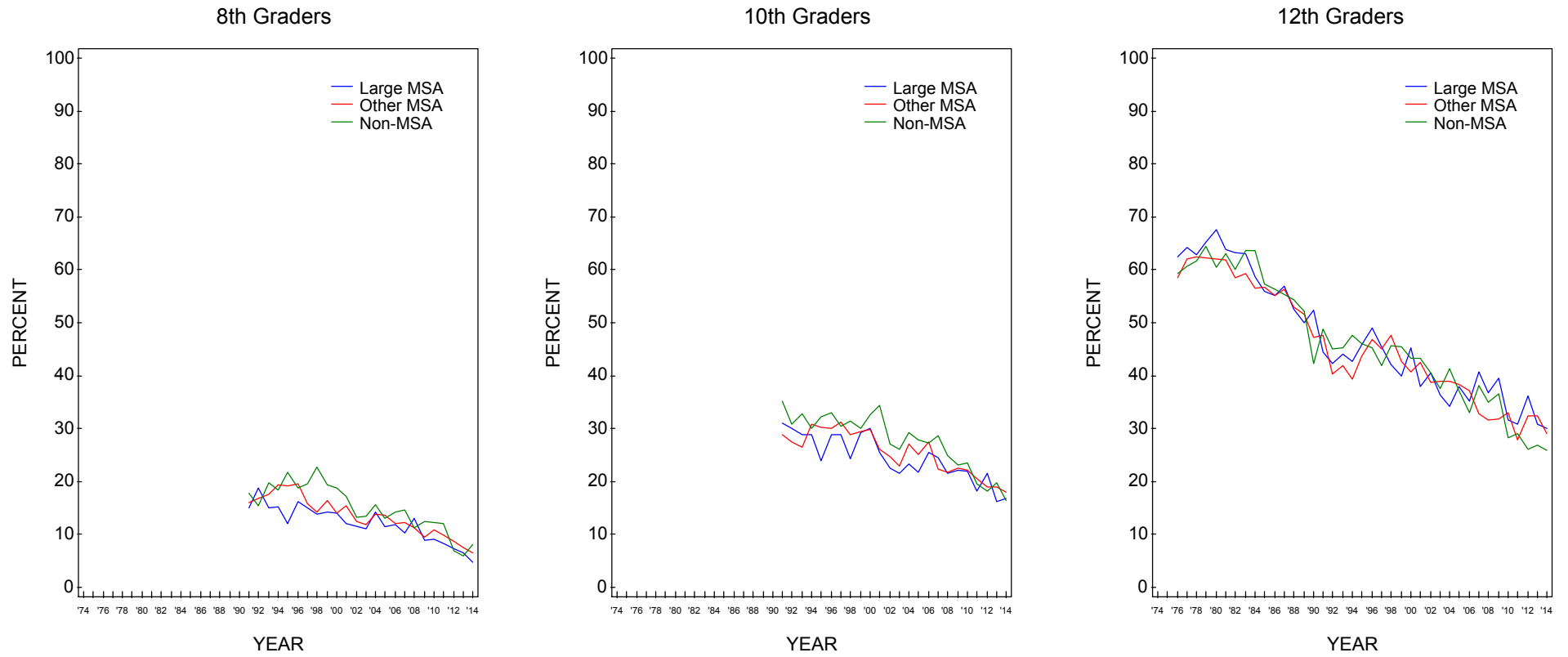
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 225
Beer: Trends in 30-Day Prevalence by Region



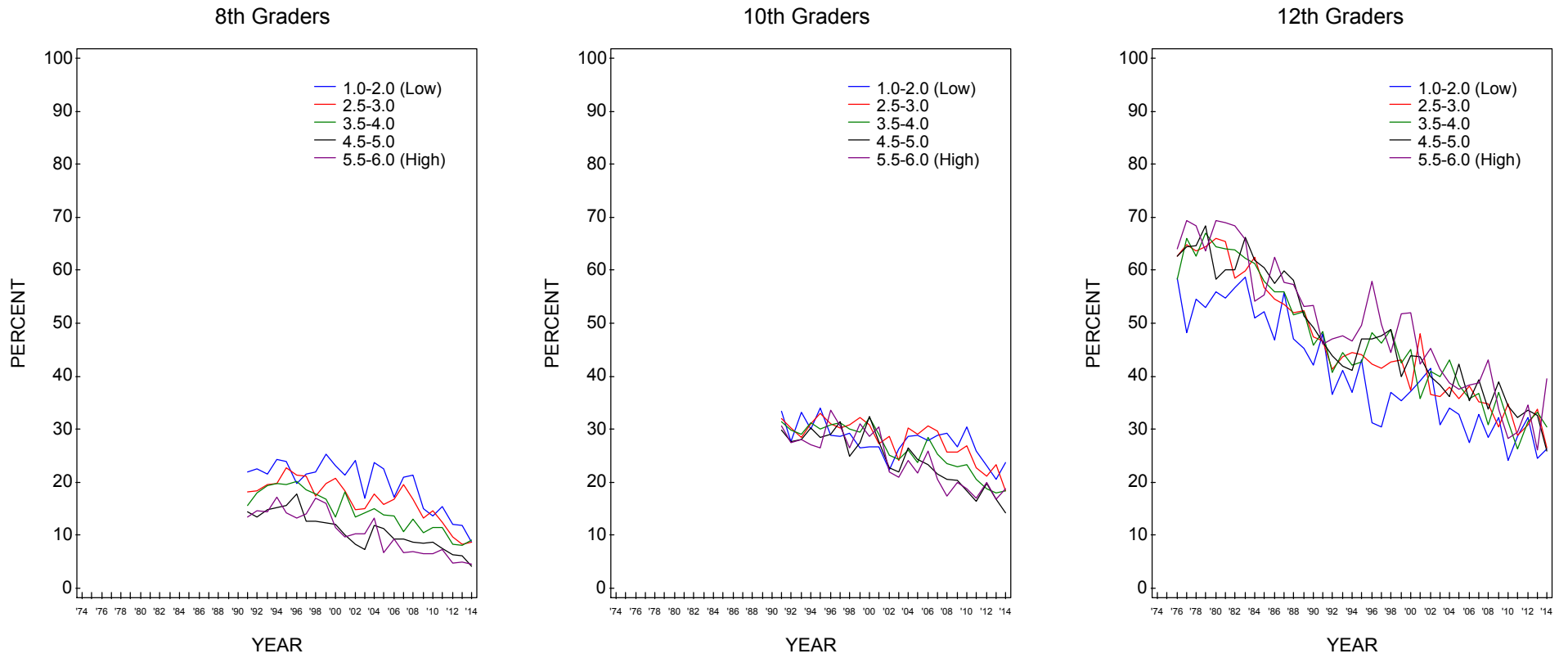
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 226
Beer: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

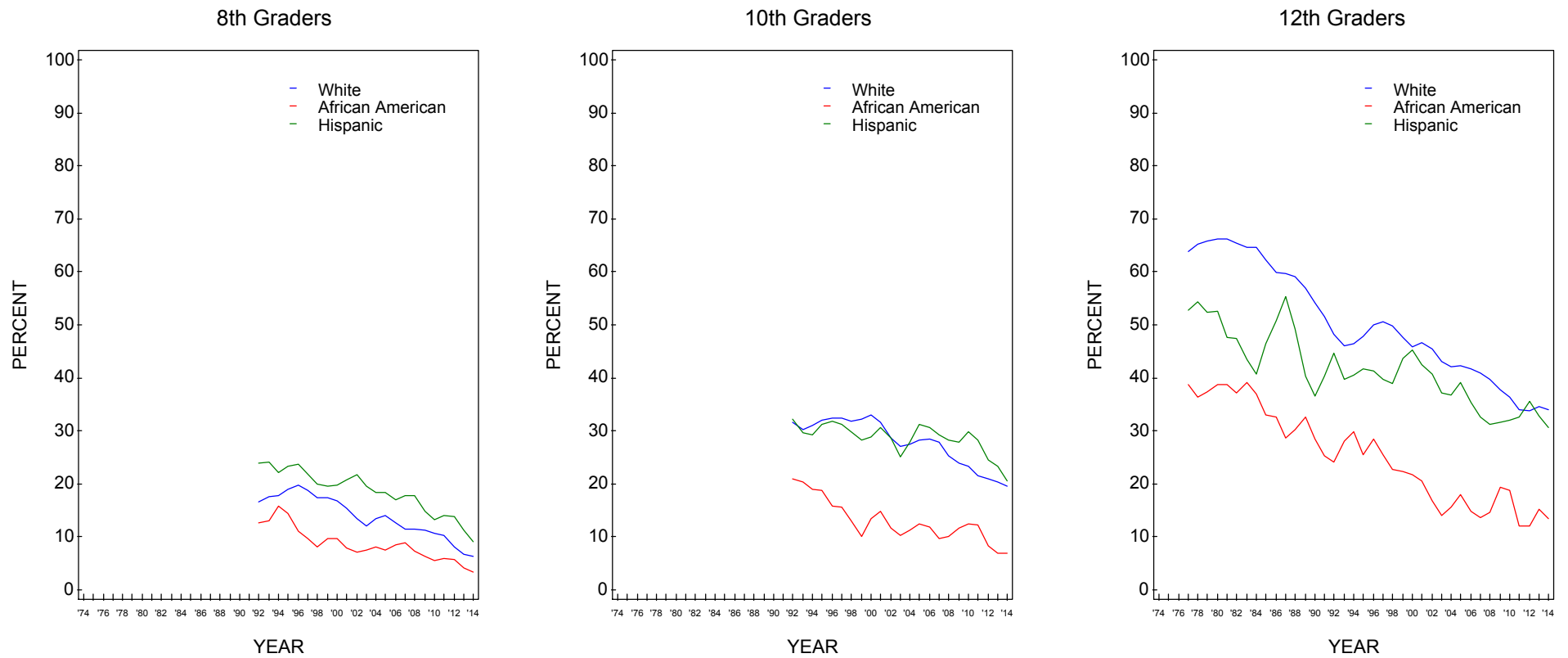
FIGURE 227
Beer: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

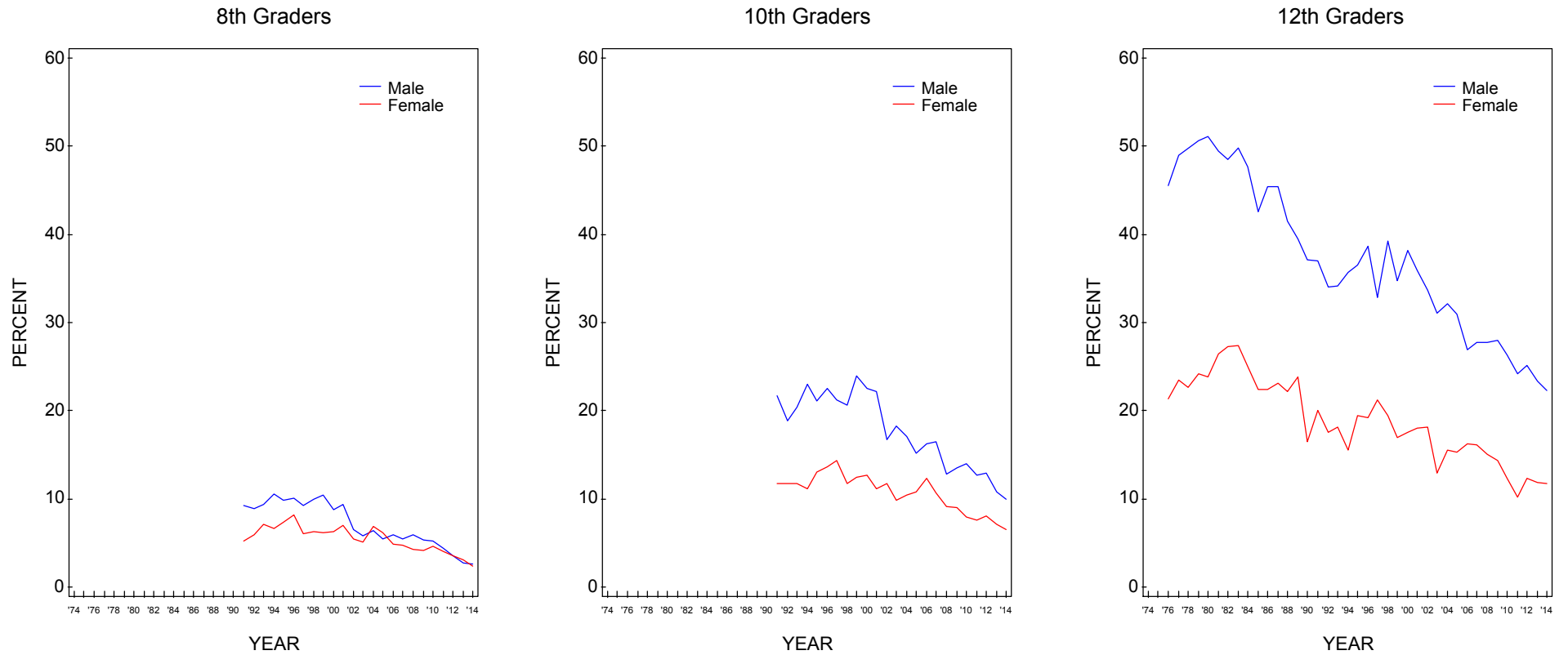
FIGURE 228
Beer: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

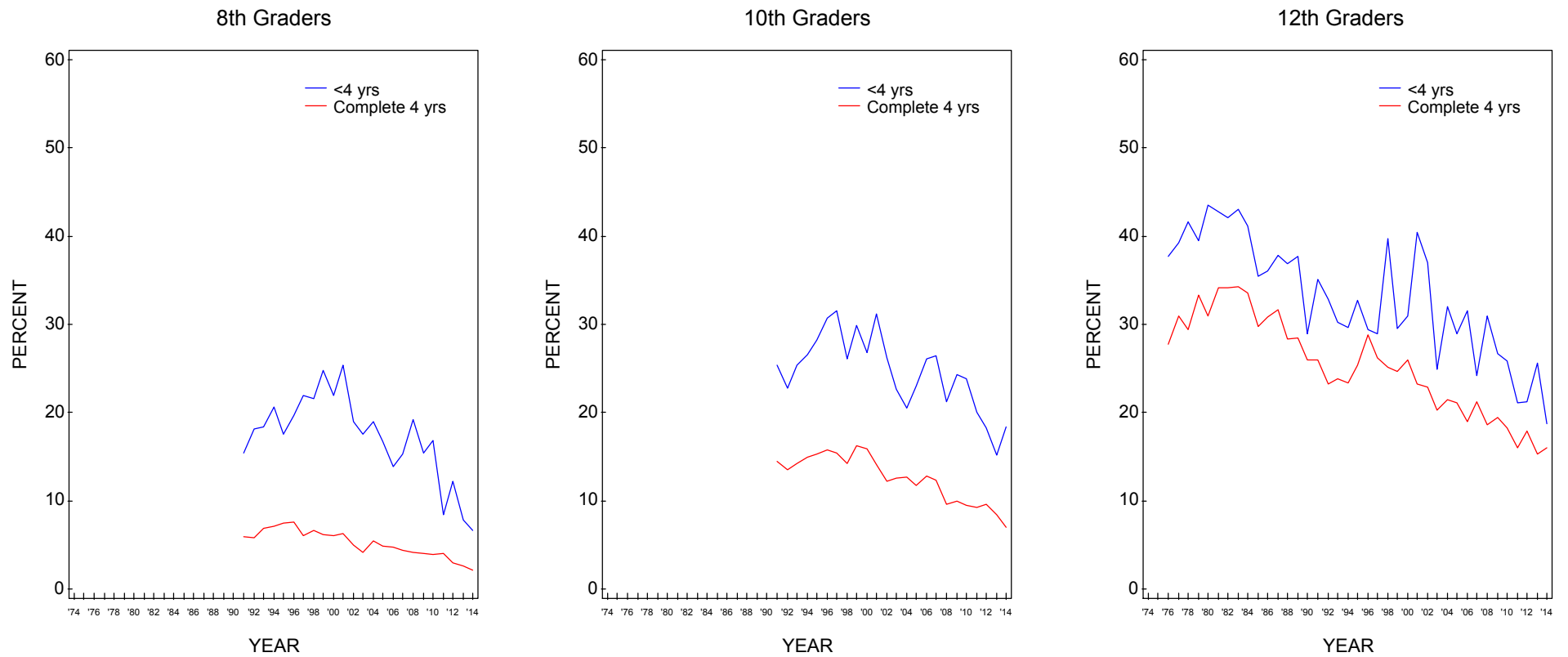
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 229
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Gender



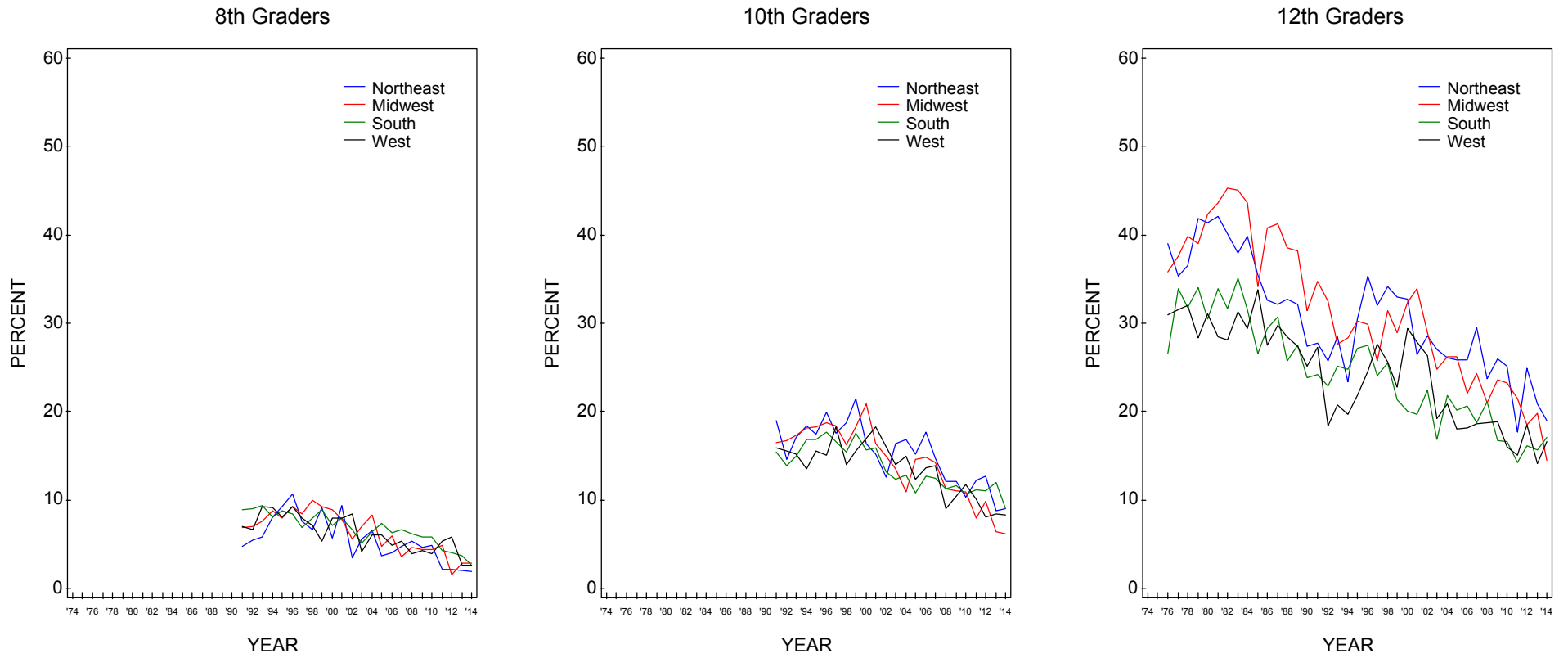
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 230
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by College Plans



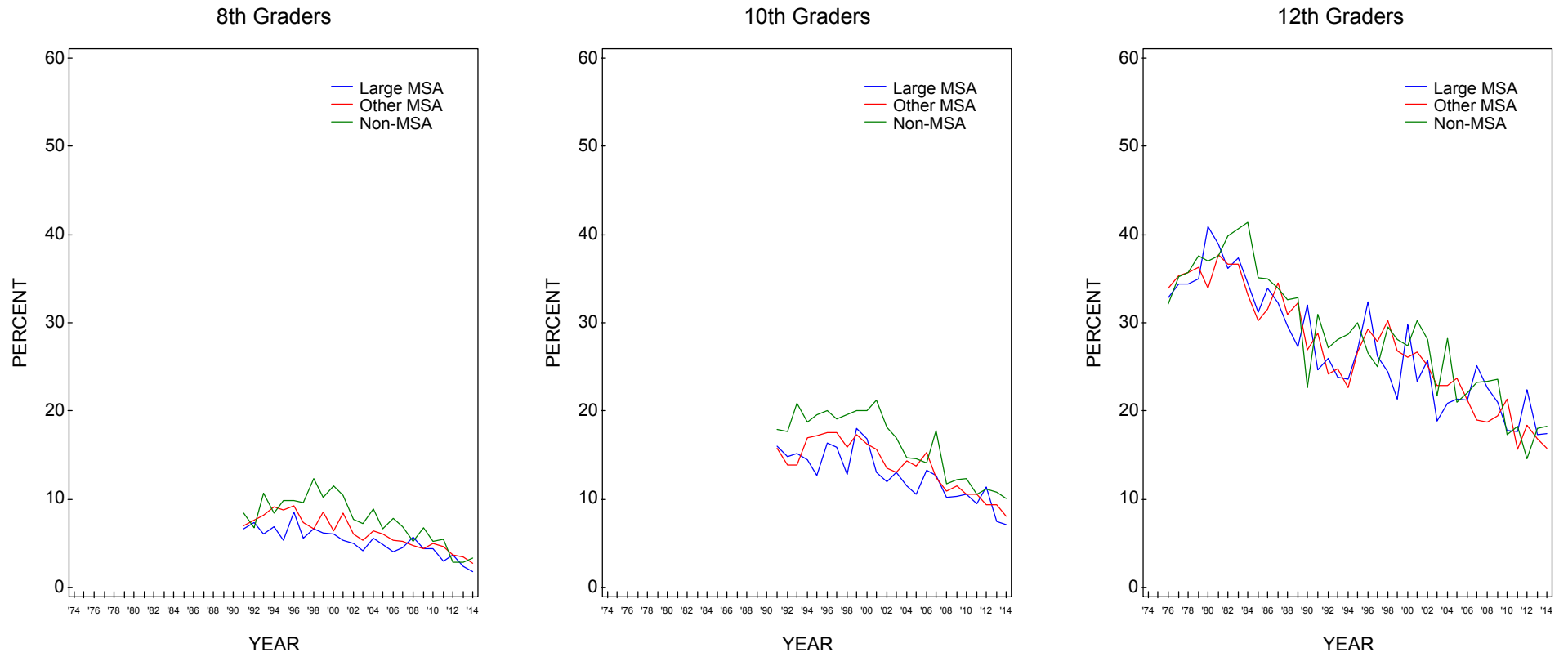
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 231
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Region



Source. The Monitoring the Future study, the University of Michigan.

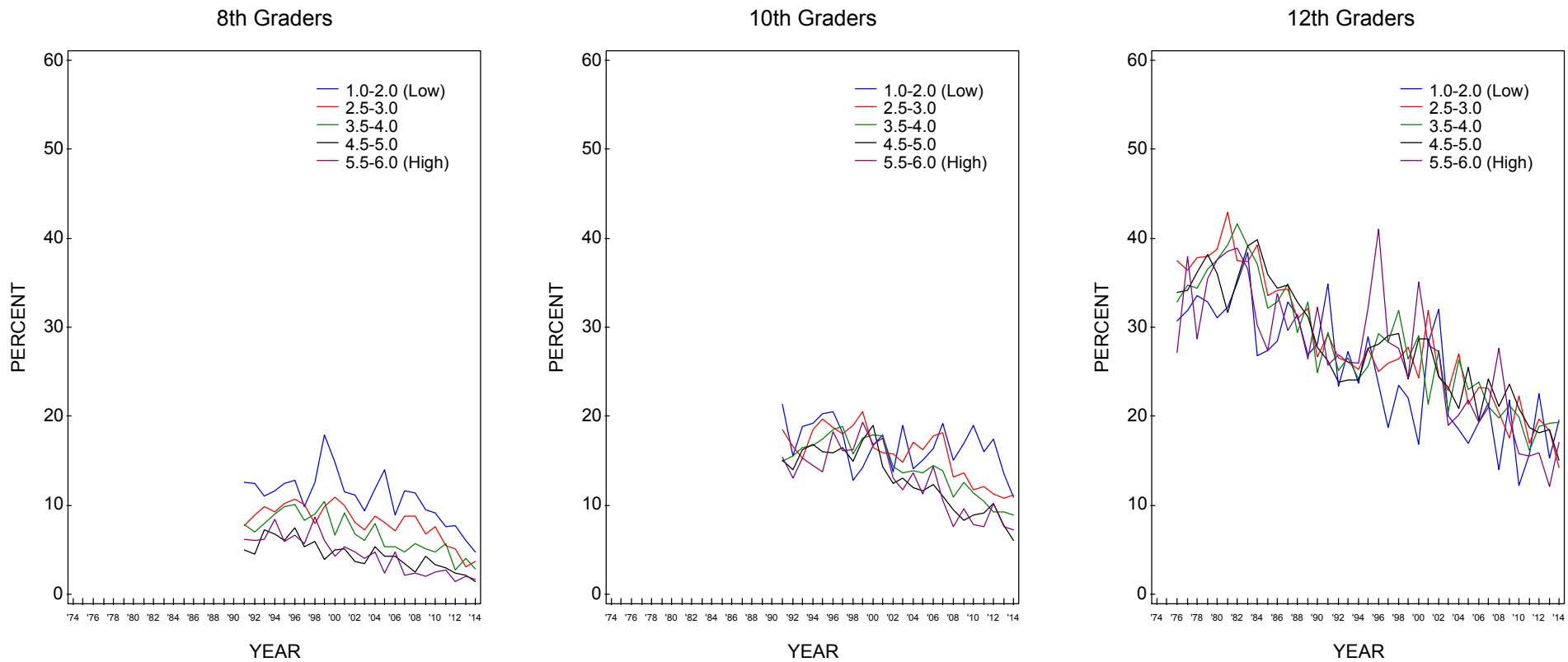
FIGURE 232
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 233

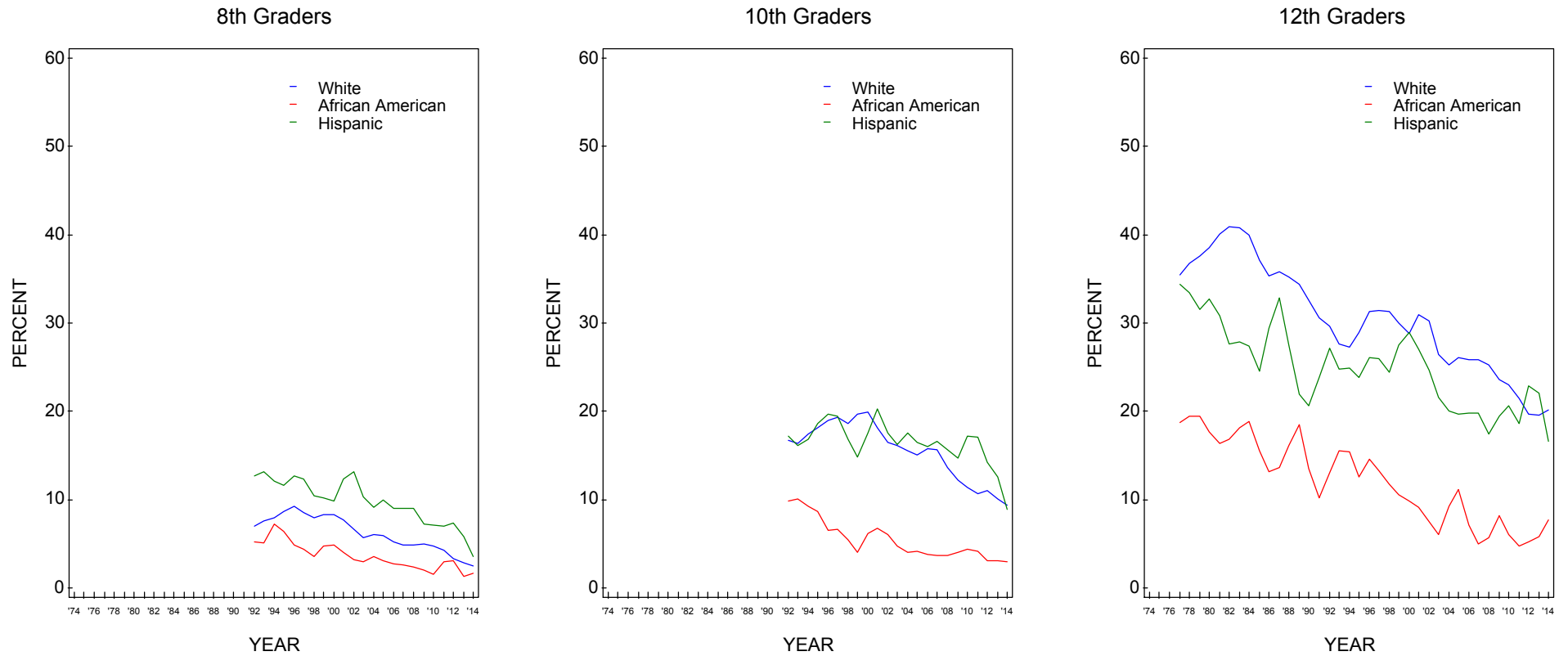
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

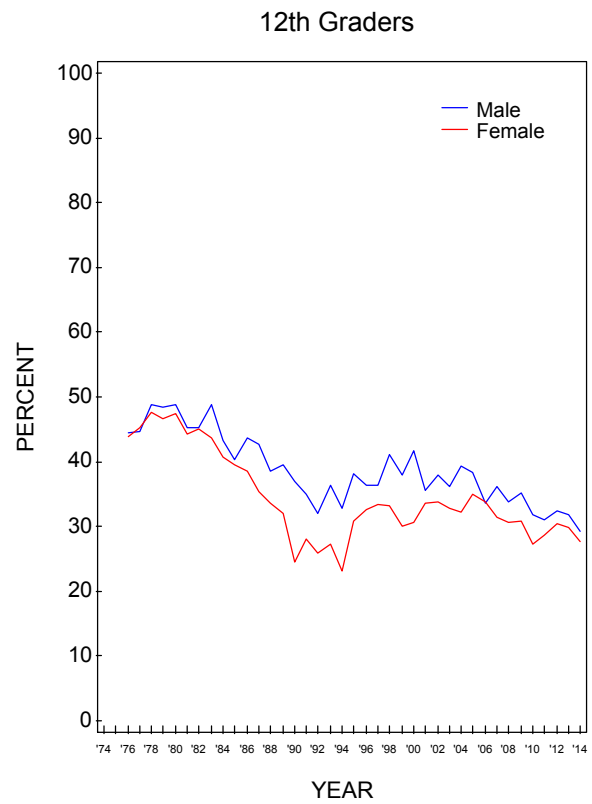
FIGURE 234
Beer: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

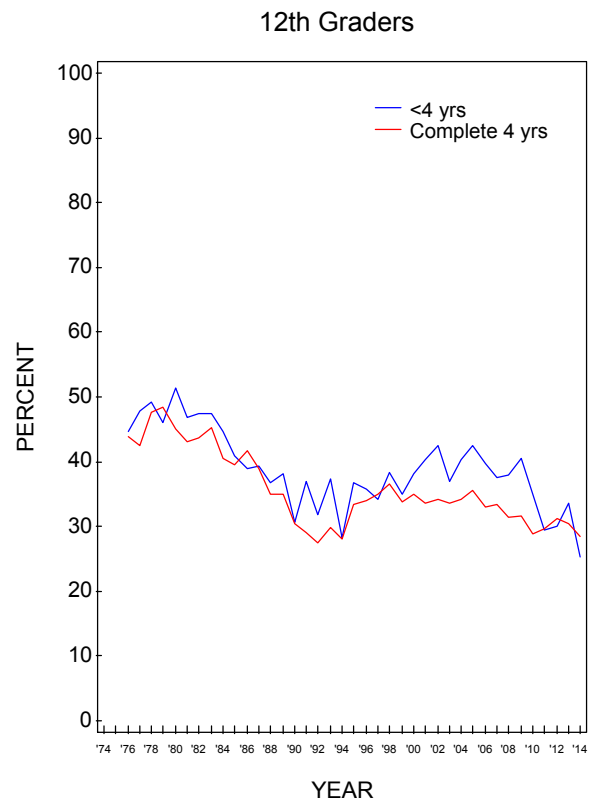
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 235
Liquor: Trends in 30-Day Prevalence by Gender



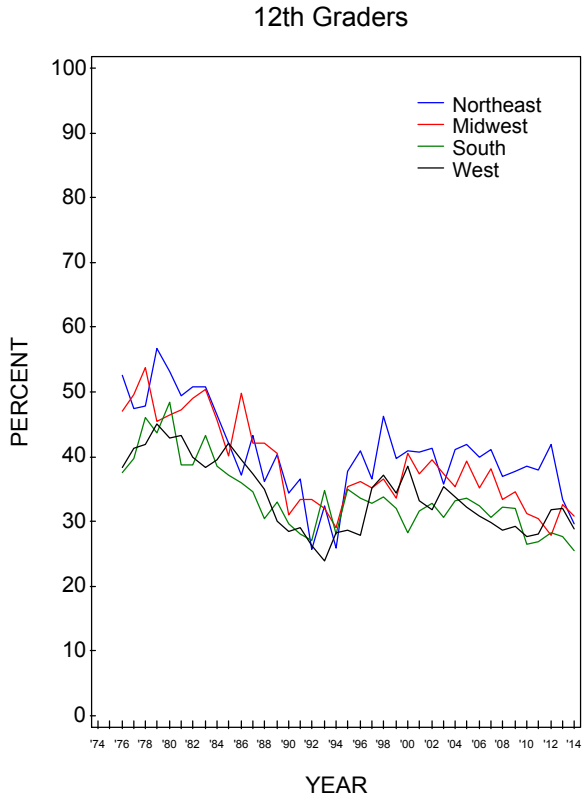
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 236
Liquor: Trends in 30-Day Prevalence by College Plans



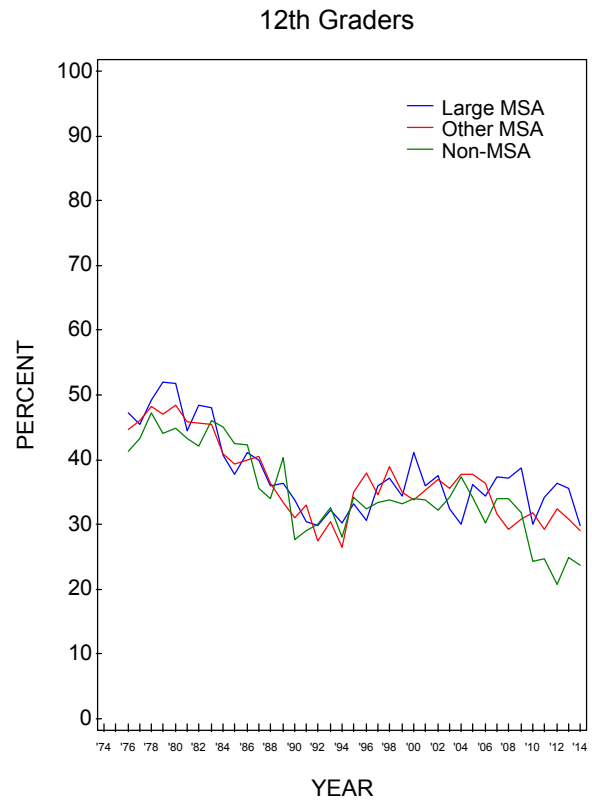
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 237
Liquor: Trends in 30-Day Prevalence by Region



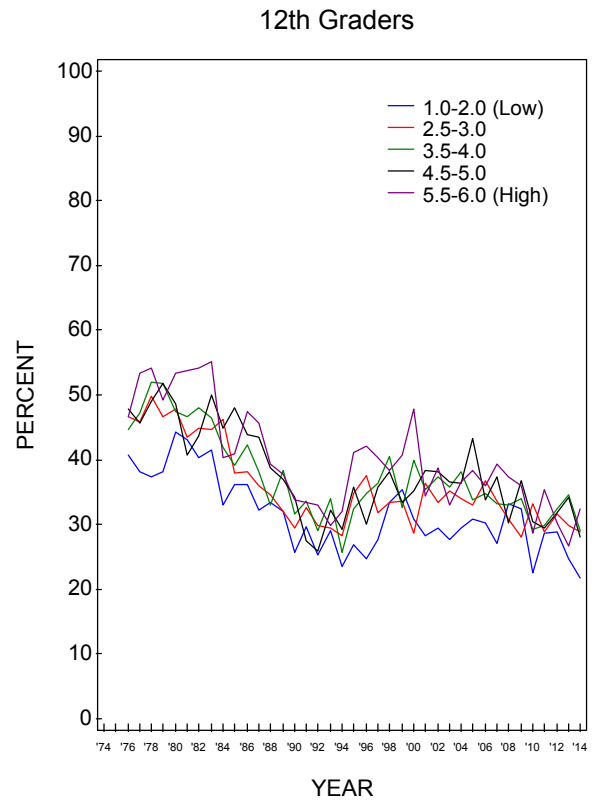
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 238
Liquor: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

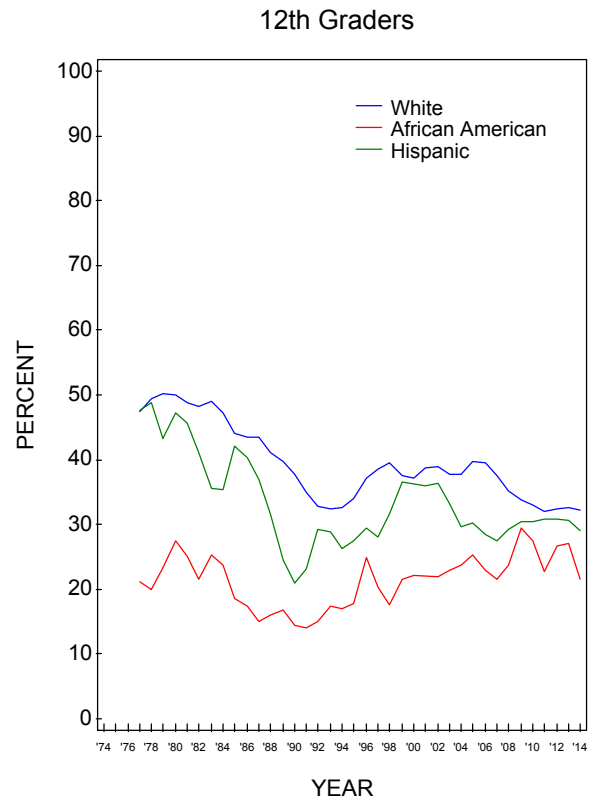
FIGURE 239
Liquor: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

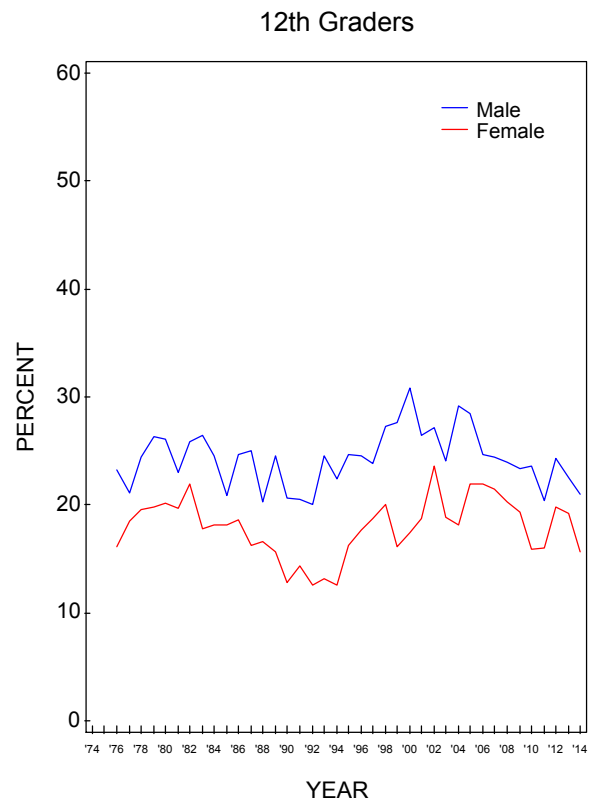
FIGURE 240
Liquor: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

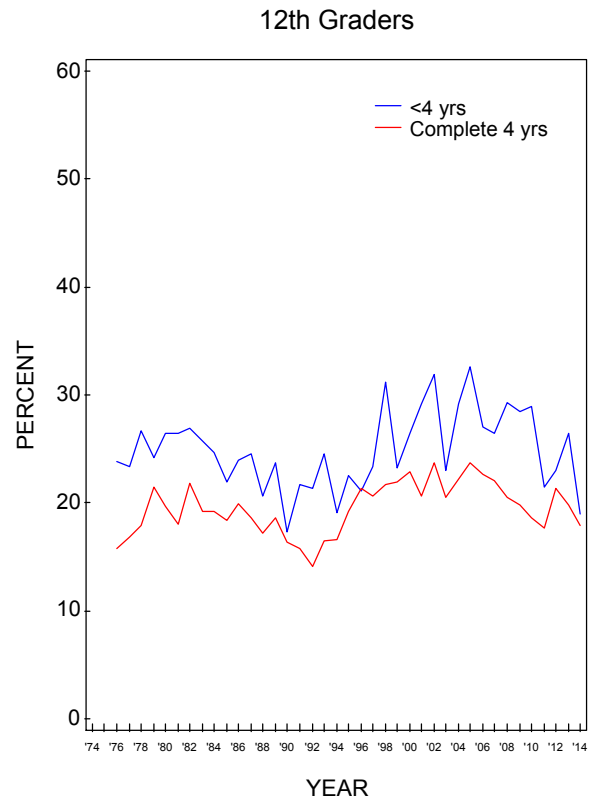
FIGURE 241
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender



Source. The Monitoring the Future study, the University of Michigan.

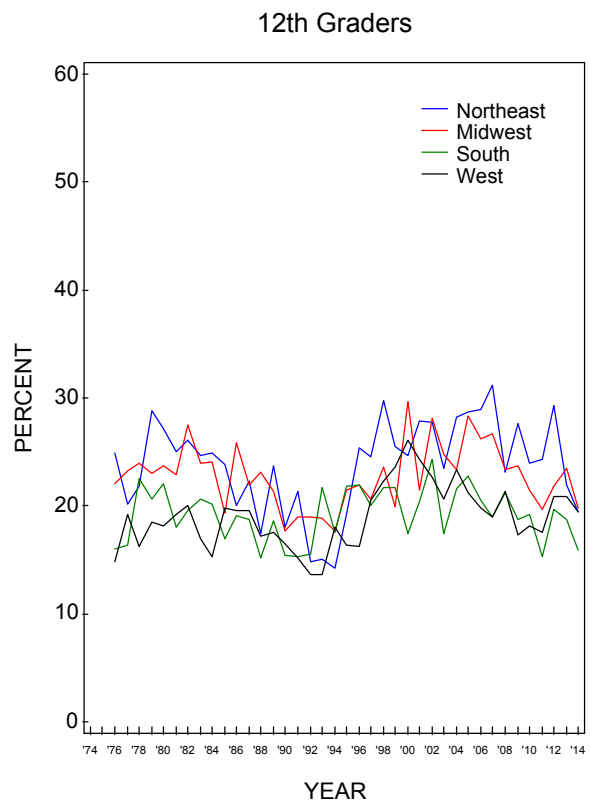
FIGURE 242

Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans



Source. The Monitoring the Future study, the University of Michigan.

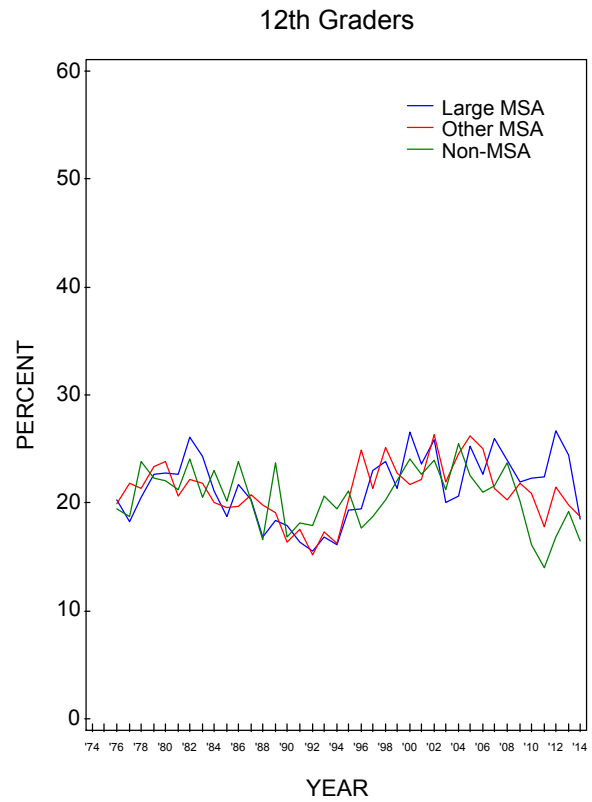
FIGURE 243
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 244

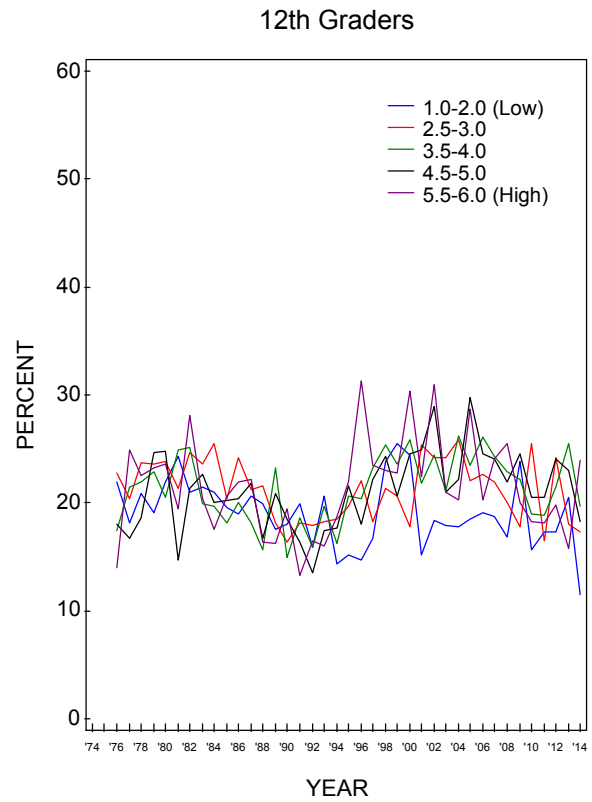
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 245

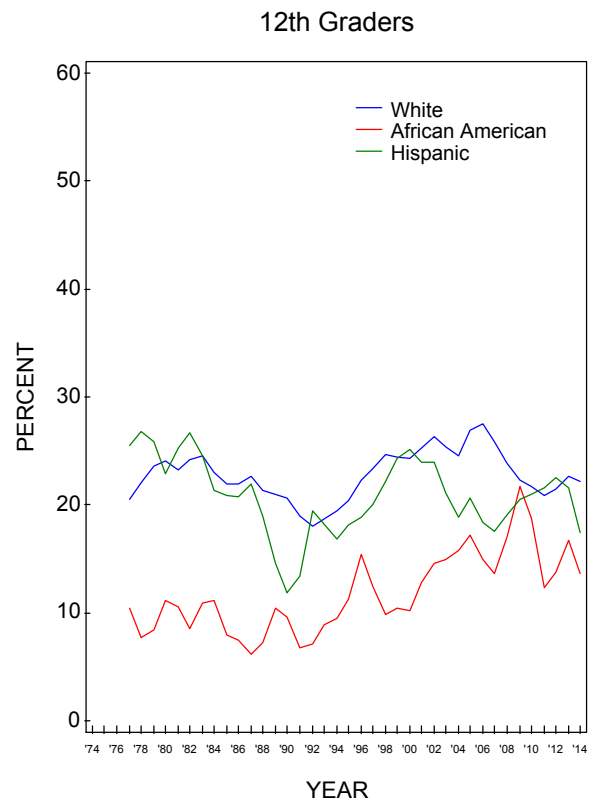
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

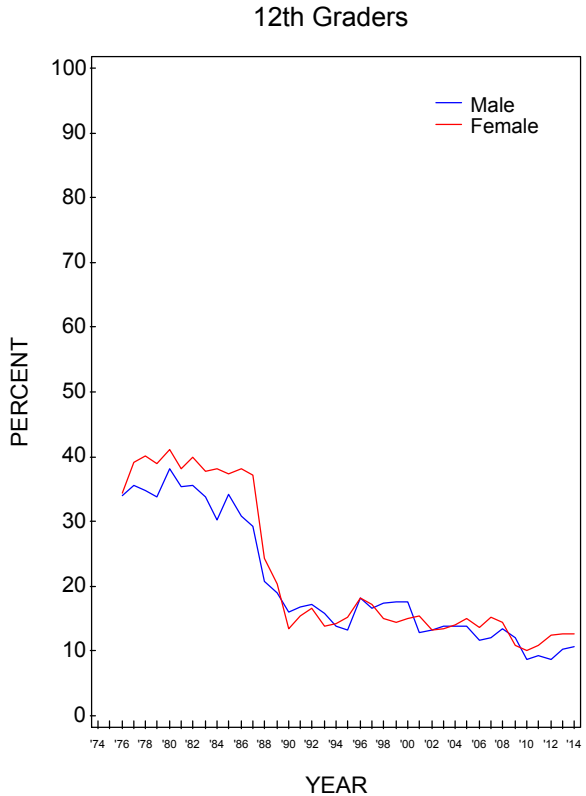
FIGURE 246
Liquor: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

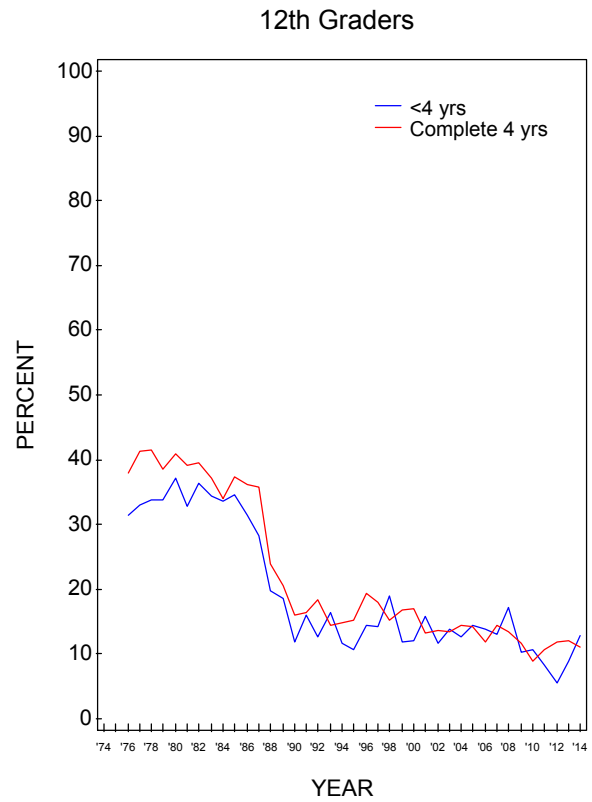
FIGURE 247
Wine:* Trends in 30-Day Prevalence by Gender



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

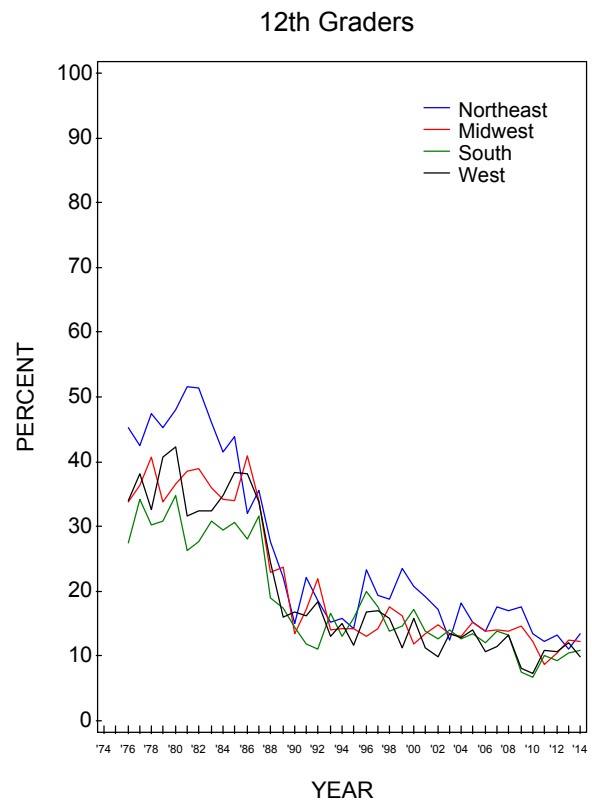
FIGURE 248
Wine:* Trends in 30-Day Prevalence by College Plans



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

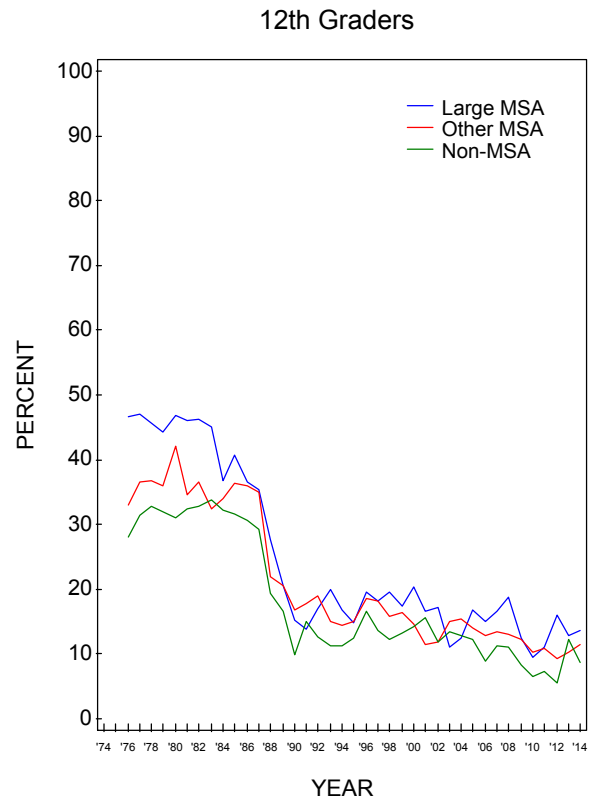
FIGURE 249
Wine:* Trends in 30-Day Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 250
Wine:* Trends in 30-Day Prevalence by Population Density

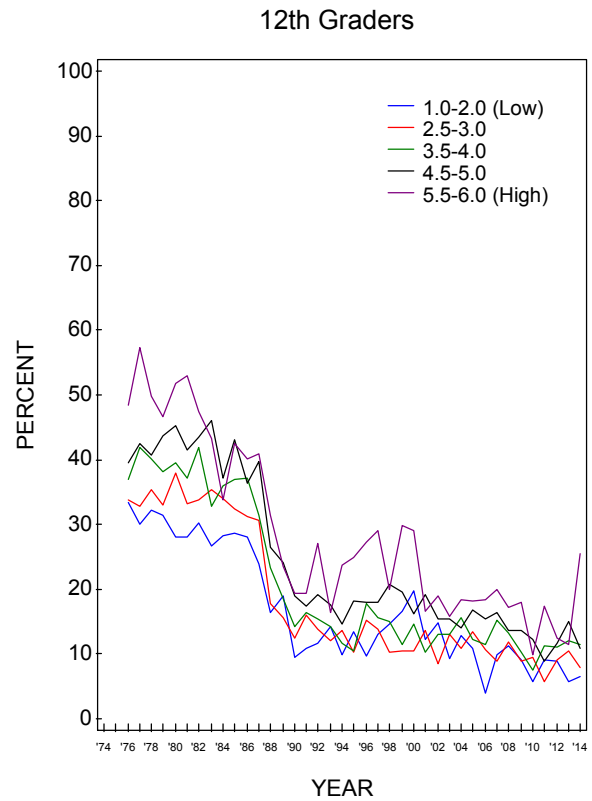


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 251

Wine:* Trends in 30-Day Prevalence by Average Education Level of Parents**

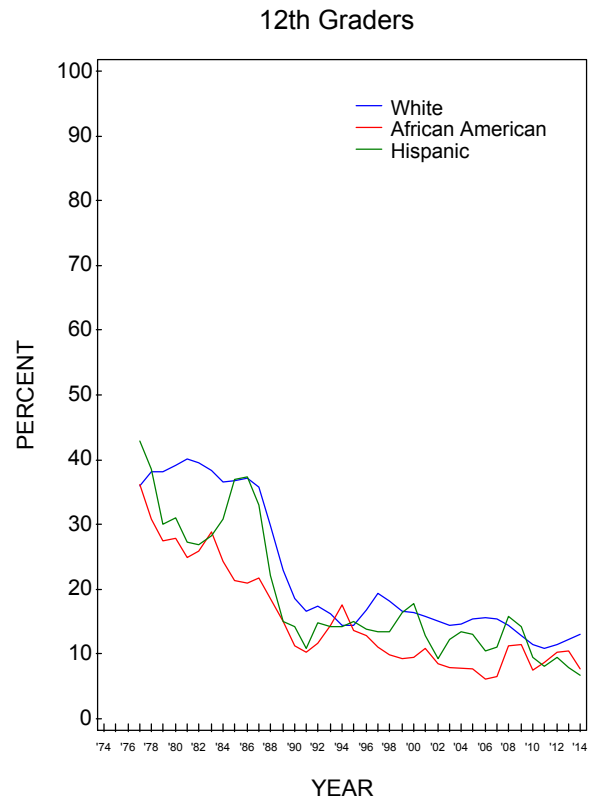


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 252
Wine:* Trends in 30-Day Prevalence by Race/Ethnicity**

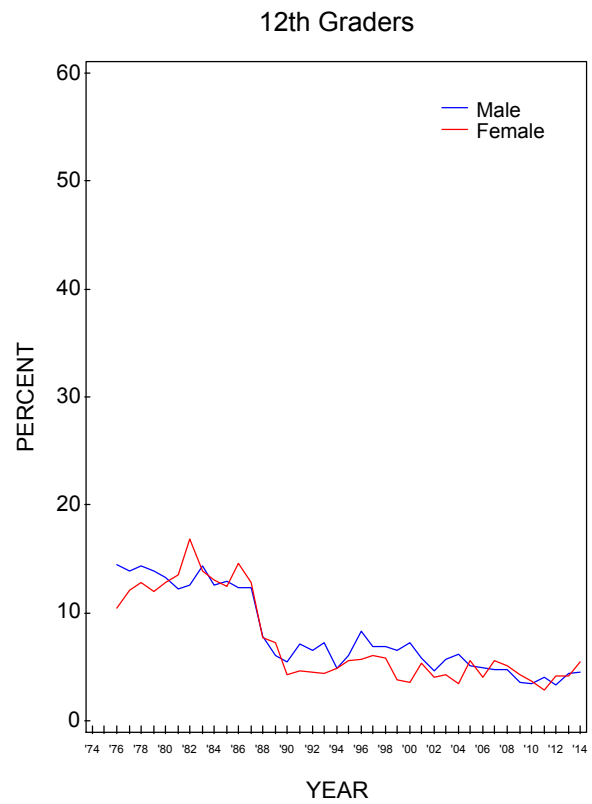


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 253
Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender

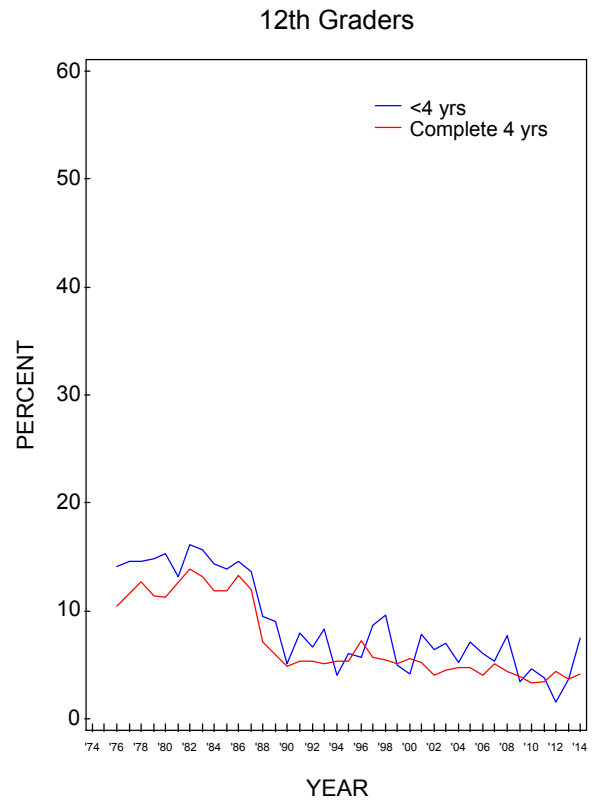


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 254

Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans

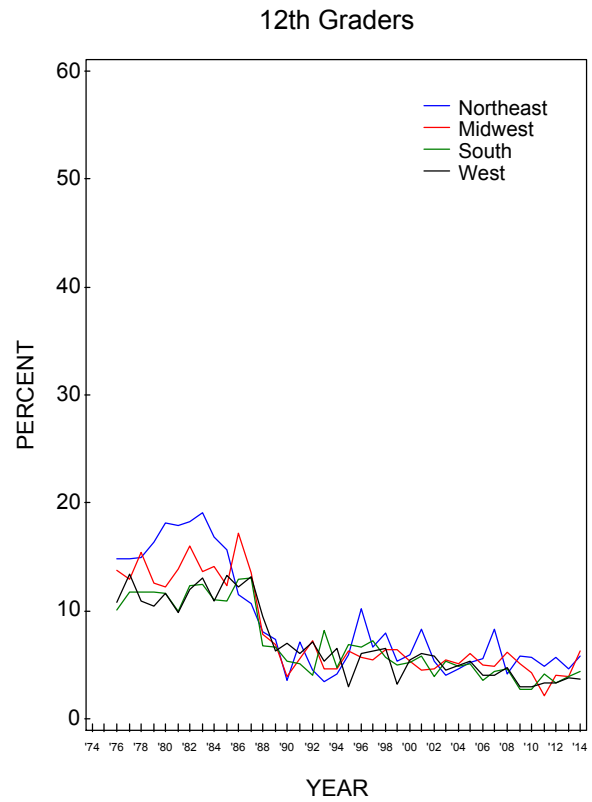


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 255

Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region

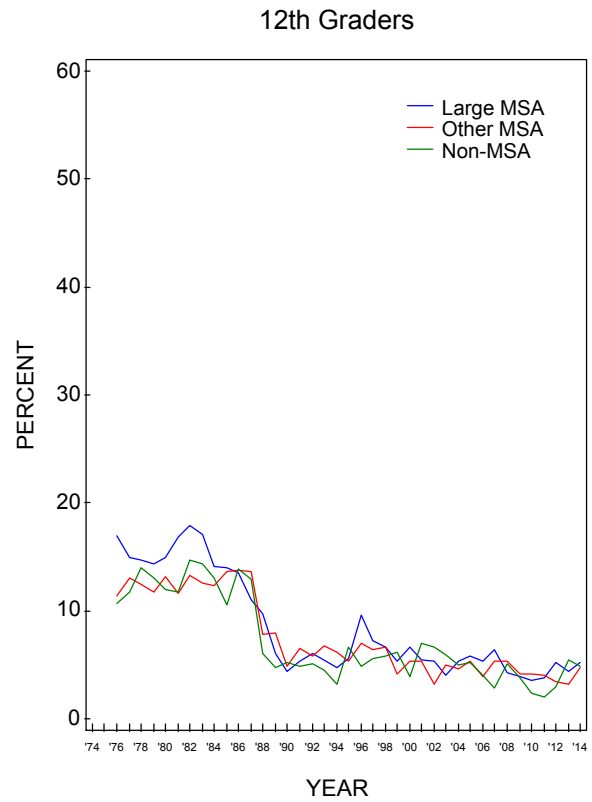


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 256

Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density

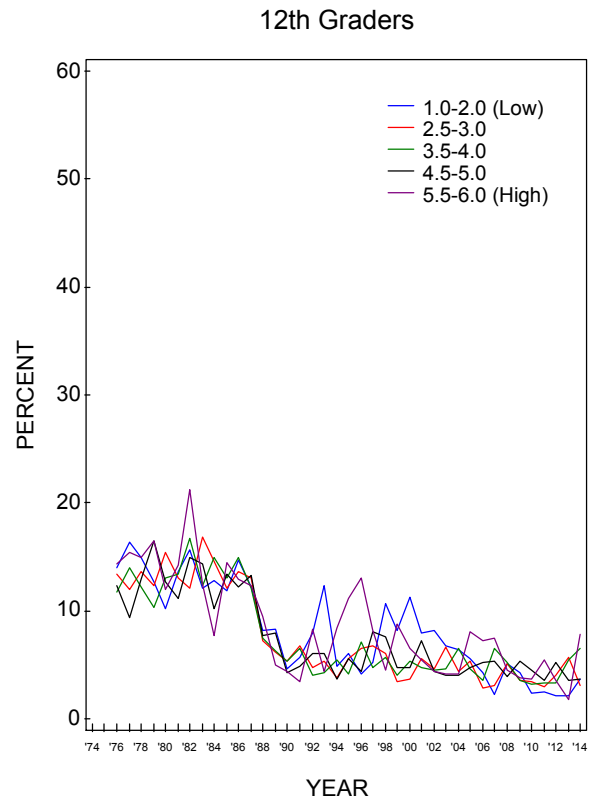


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

FIGURE 257

Wine: * Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents**



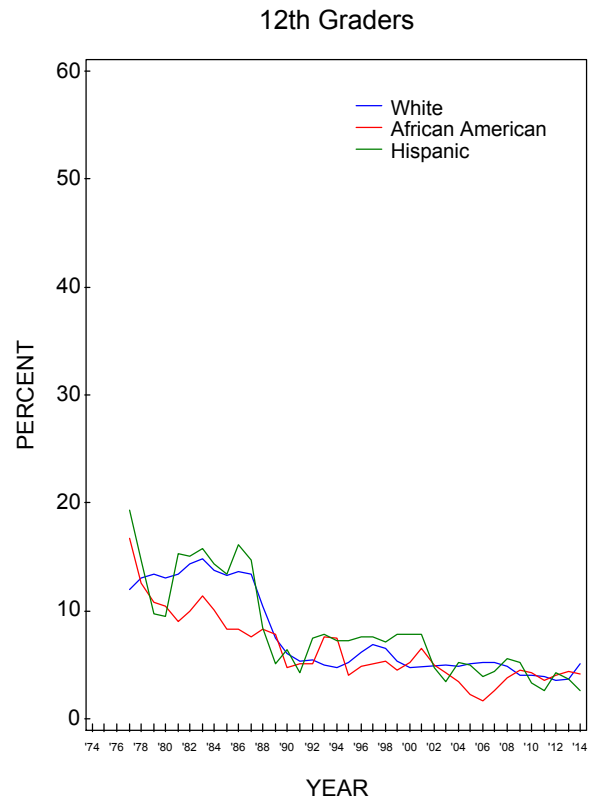
Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 258

Wine:* Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity**

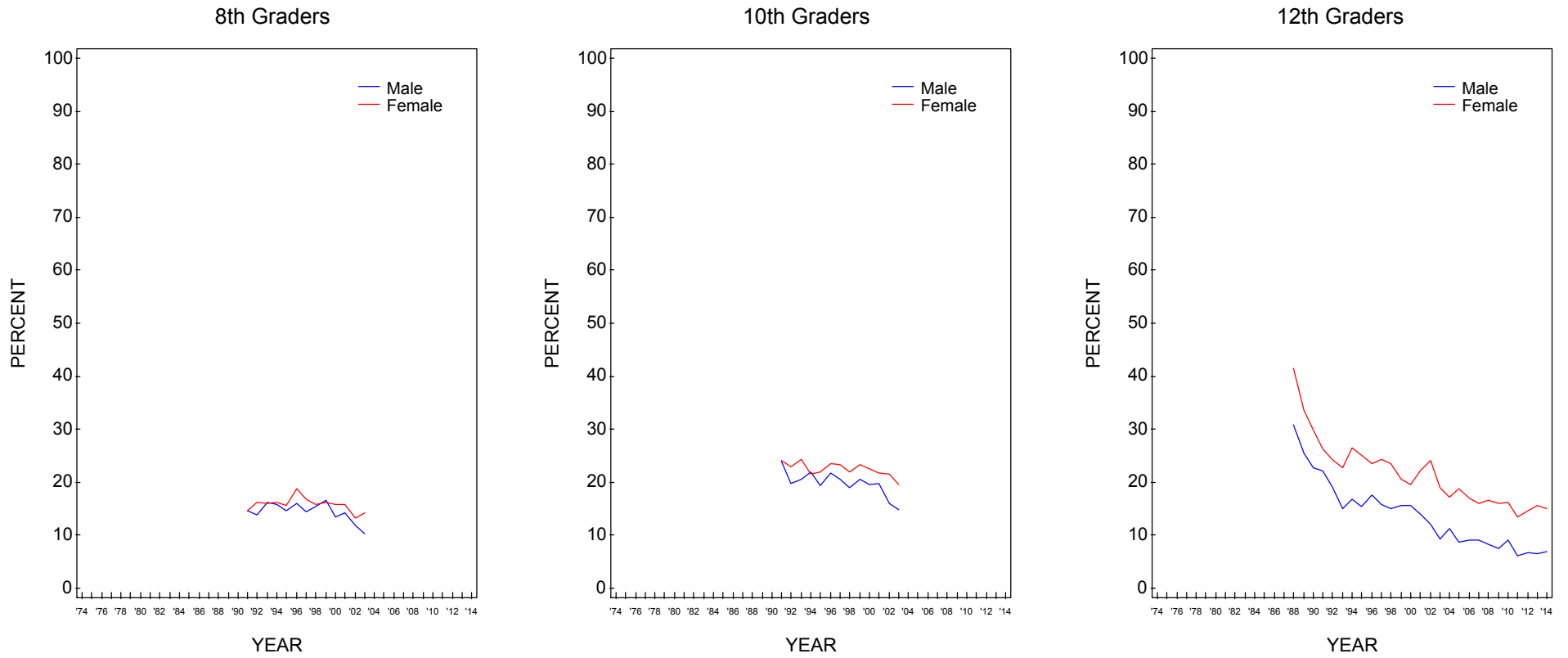


Source. The Monitoring the Future study, the University of Michigan.

*In the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

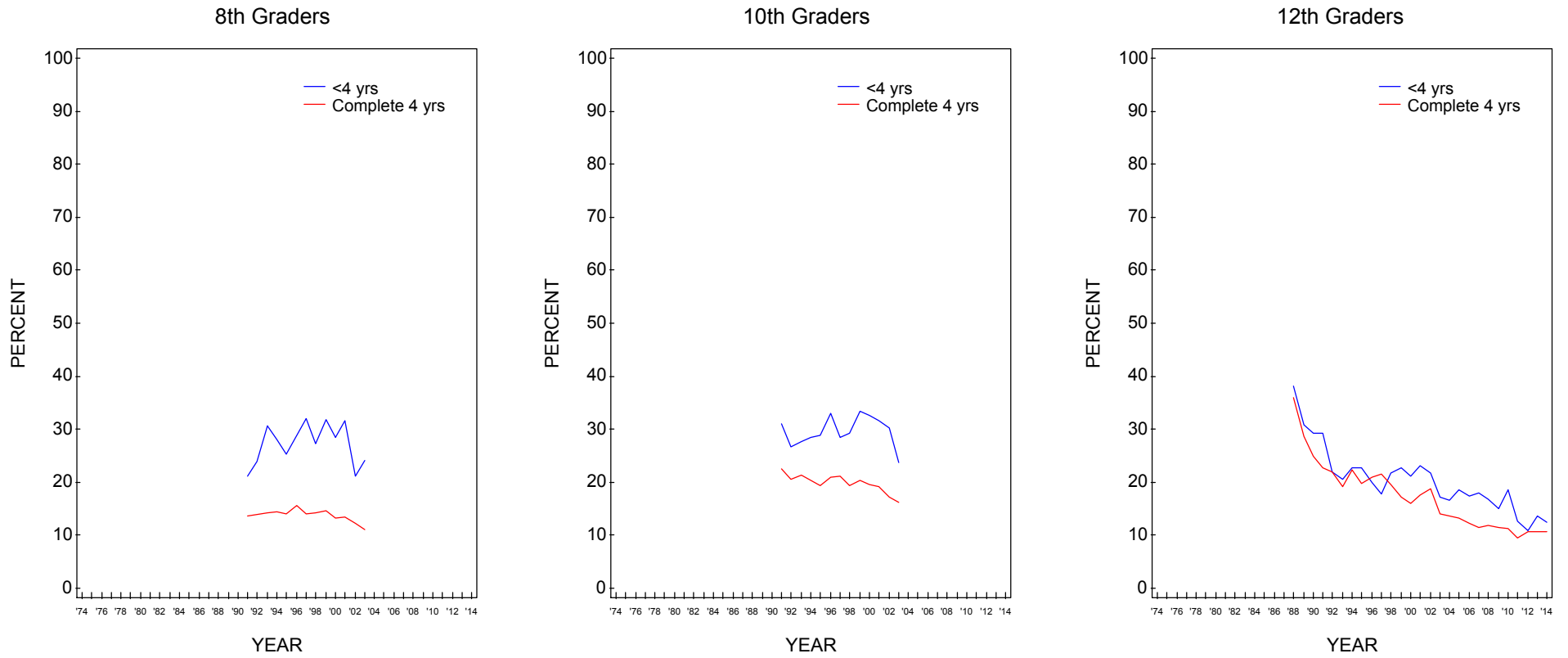
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 259
Wine Coolers:* Trends in 30-Day Prevalence by Gender



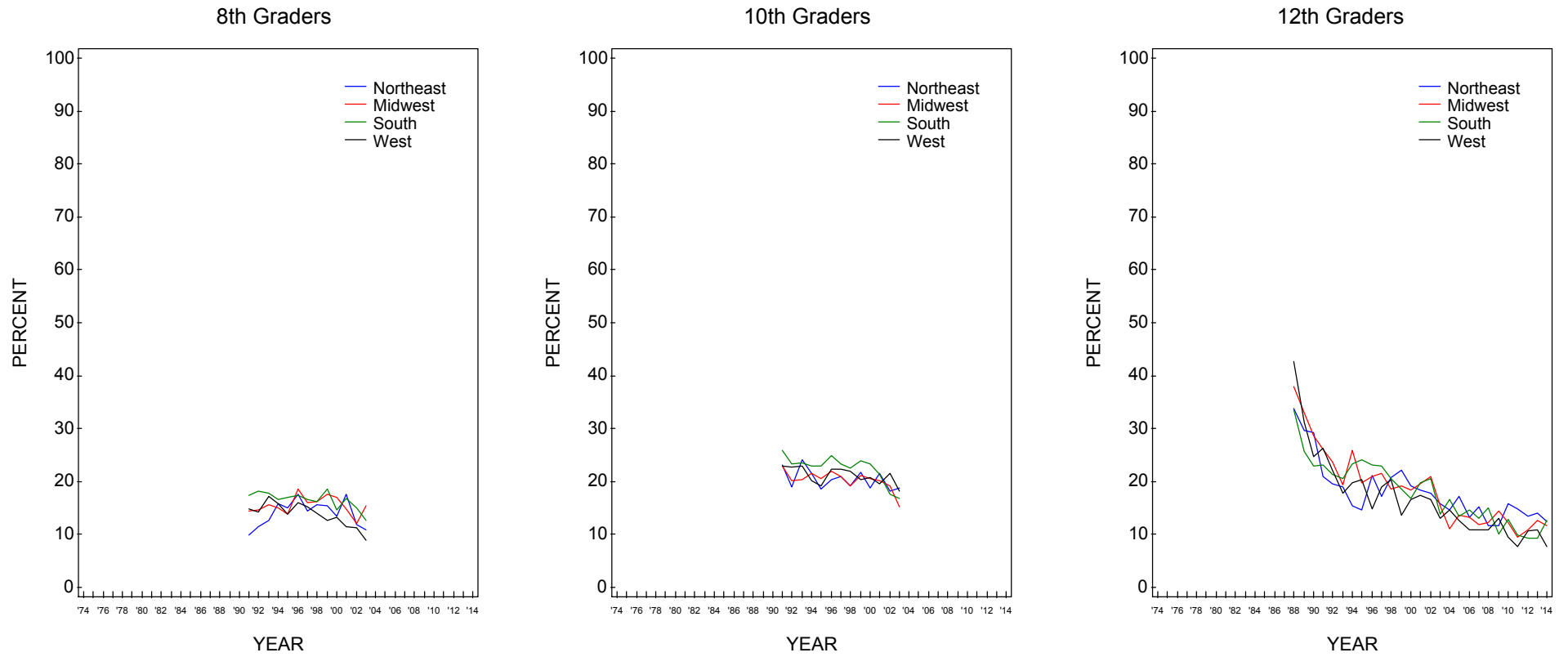
Source. The Monitoring the Future study, the University of Michigan.
 *Question discontinued for 8th and 10th graders in 2004.

FIGURE 260
Wine Coolers:* Trends in 30-Day Prevalence by College Plans



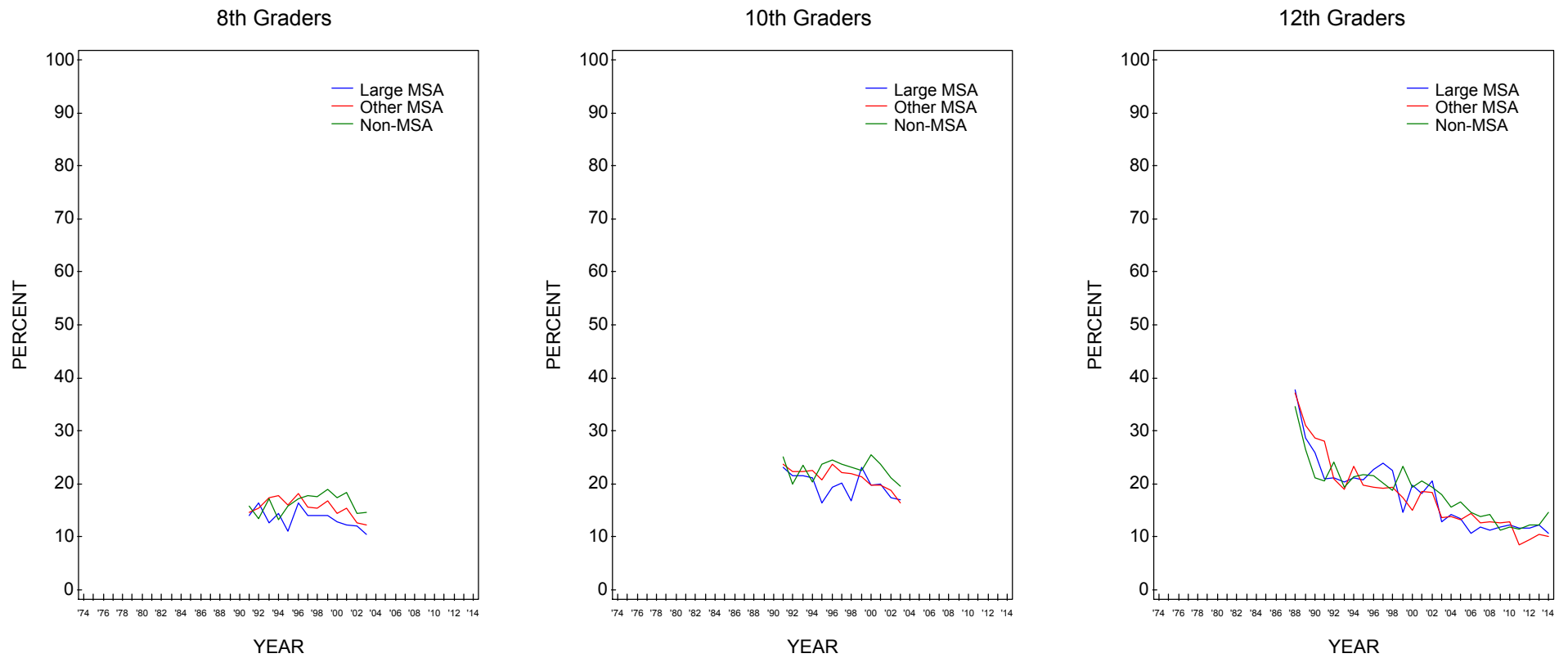
Source. The Monitoring the Future study, the University of Michigan.
 *Question discontinued for 8th and 10th graders in 2004.

FIGURE 261
Wine Coolers:* Trends in 30-Day Prevalence by Region



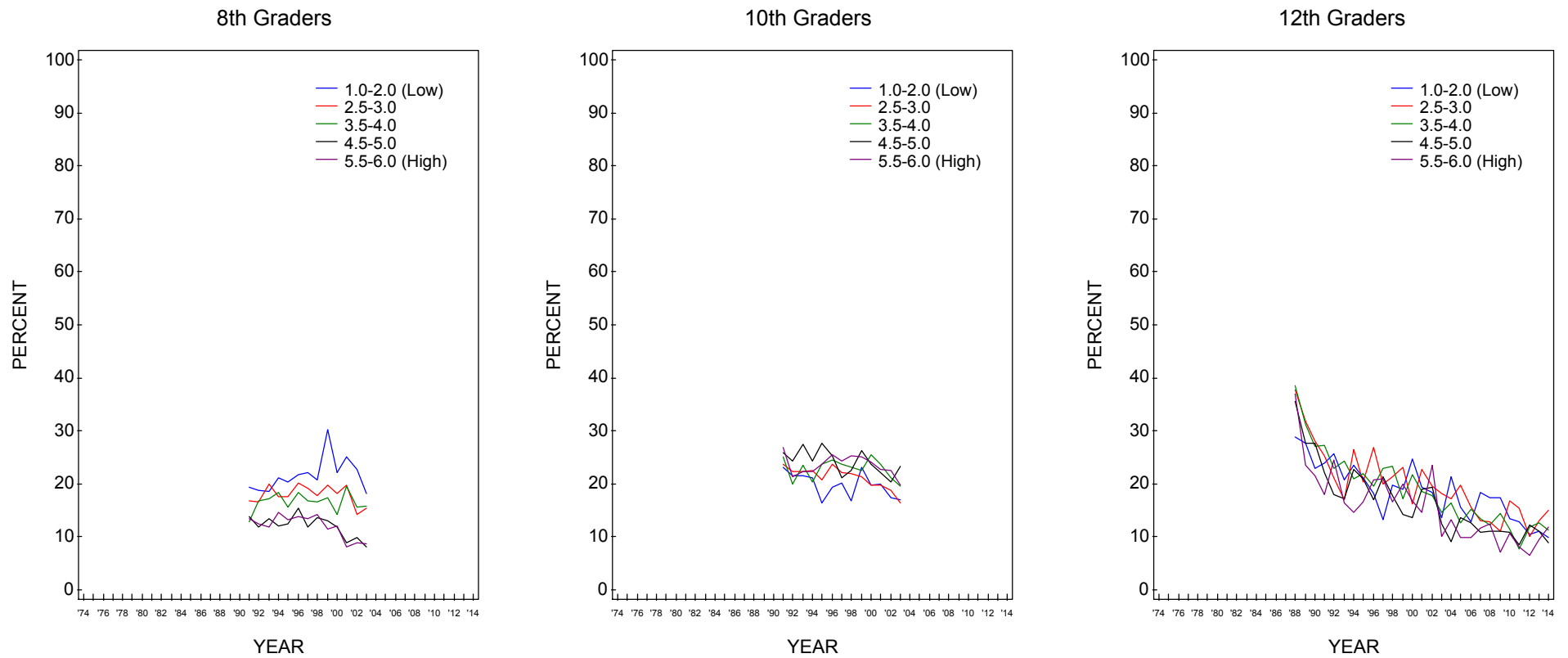
Source. The Monitoring the Future study, the University of Michigan.
 *Question discontinued for 8th and 10th graders in 2004.

FIGURE 262
Wine Coolers:* Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.
 *Question discontinued for 8th and 10th graders in 2004.

FIGURE 263
Wine Coolers:* Trends in 30-Day Prevalence by Average Education Level of Parents**

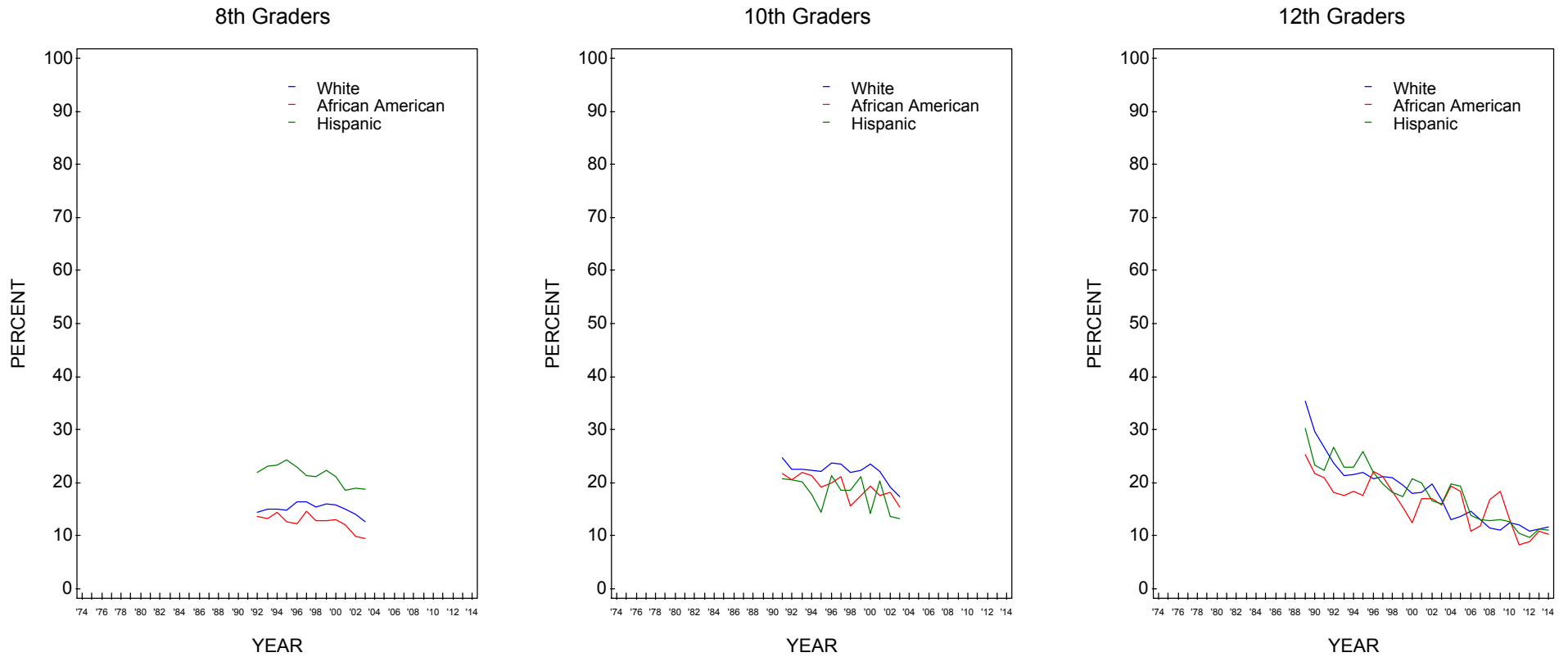


Source. The Monitoring the Future study, the University of Michigan.

*Question discontinued for 8th and 10th graders in 2004.

**Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 264
Wine Coolers:* Trends in 30-Day Prevalence by Race/Ethnicity**

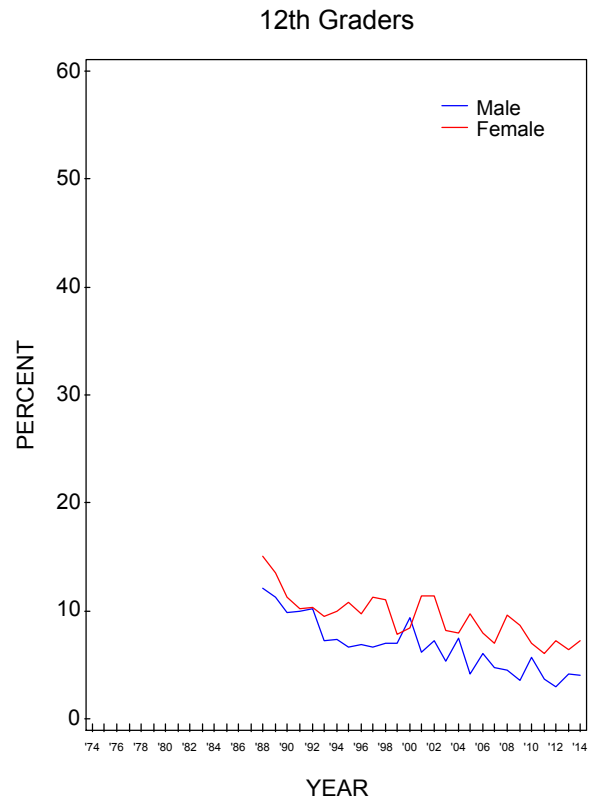


Source. The Monitoring the Future study, the University of Michigan.

*Question discontinued for 8th and 10th graders in 2004.

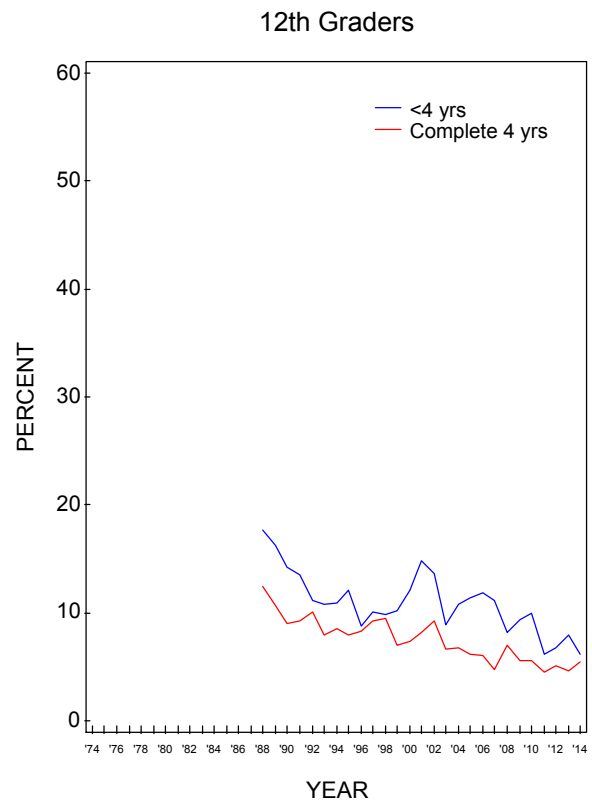
**To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 265
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Gender



Source. The Monitoring the Future study, the University of Michigan.

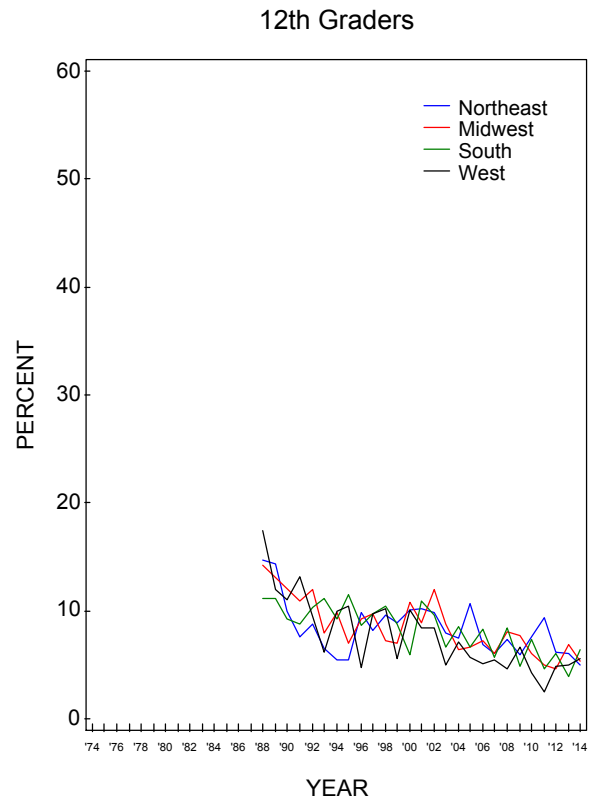
FIGURE 266
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by College Plans



Source. The Monitoring the Future study, the University of Michigan.

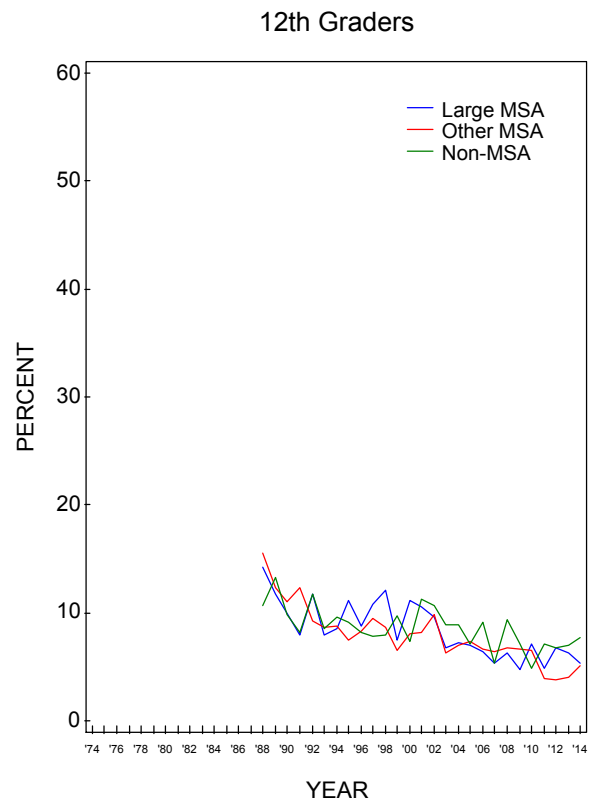
FIGURE 267

Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Region



Source. The Monitoring the Future study, the University of Michigan.

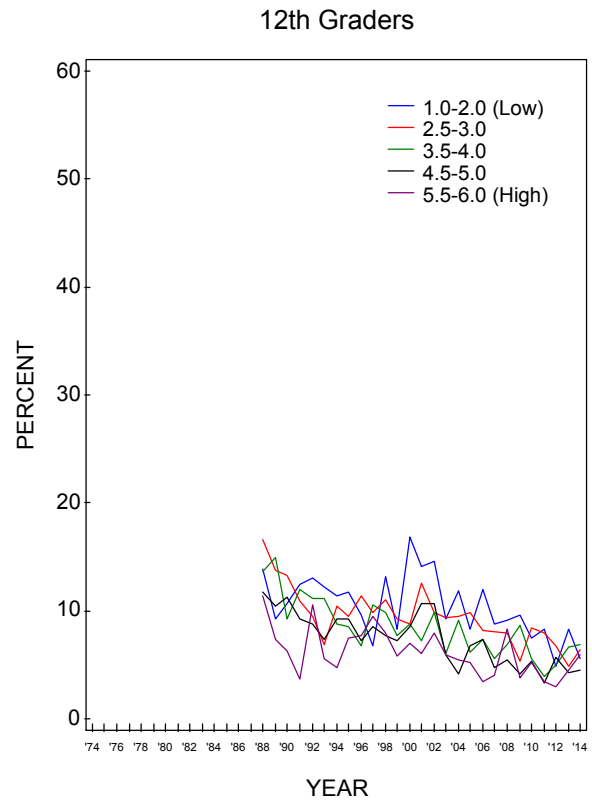
FIGURE 268
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 269

Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Average Education Level of Parents*

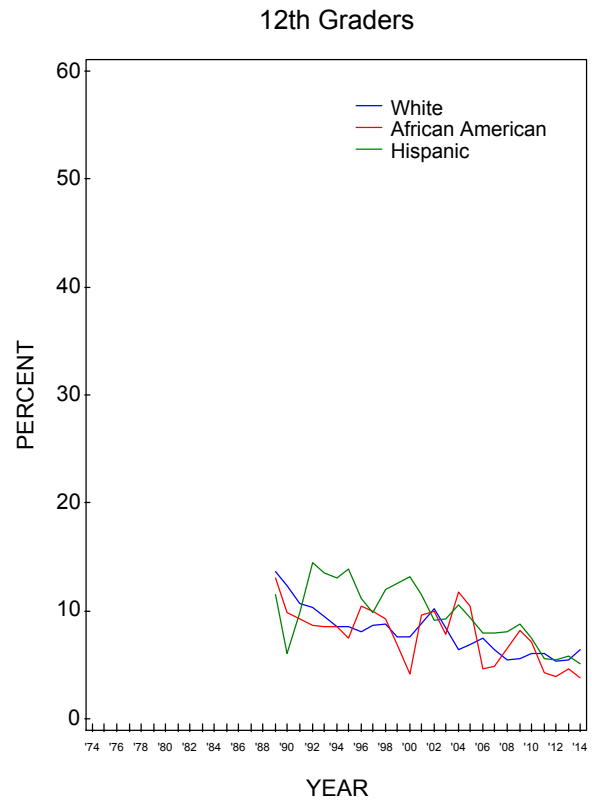


Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 270

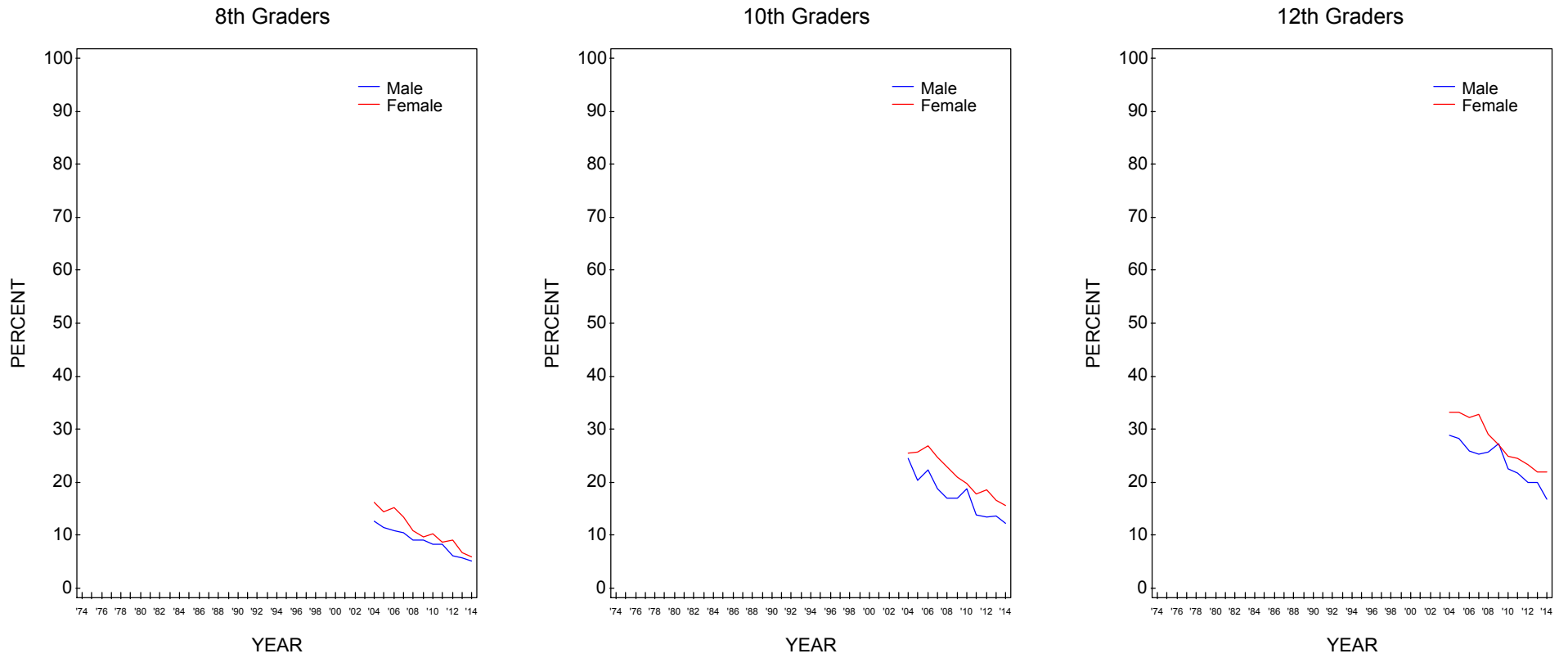
Wine Coolers: Trends in 2-Week Prevalence of Having 5 or More Drinks in a Row by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

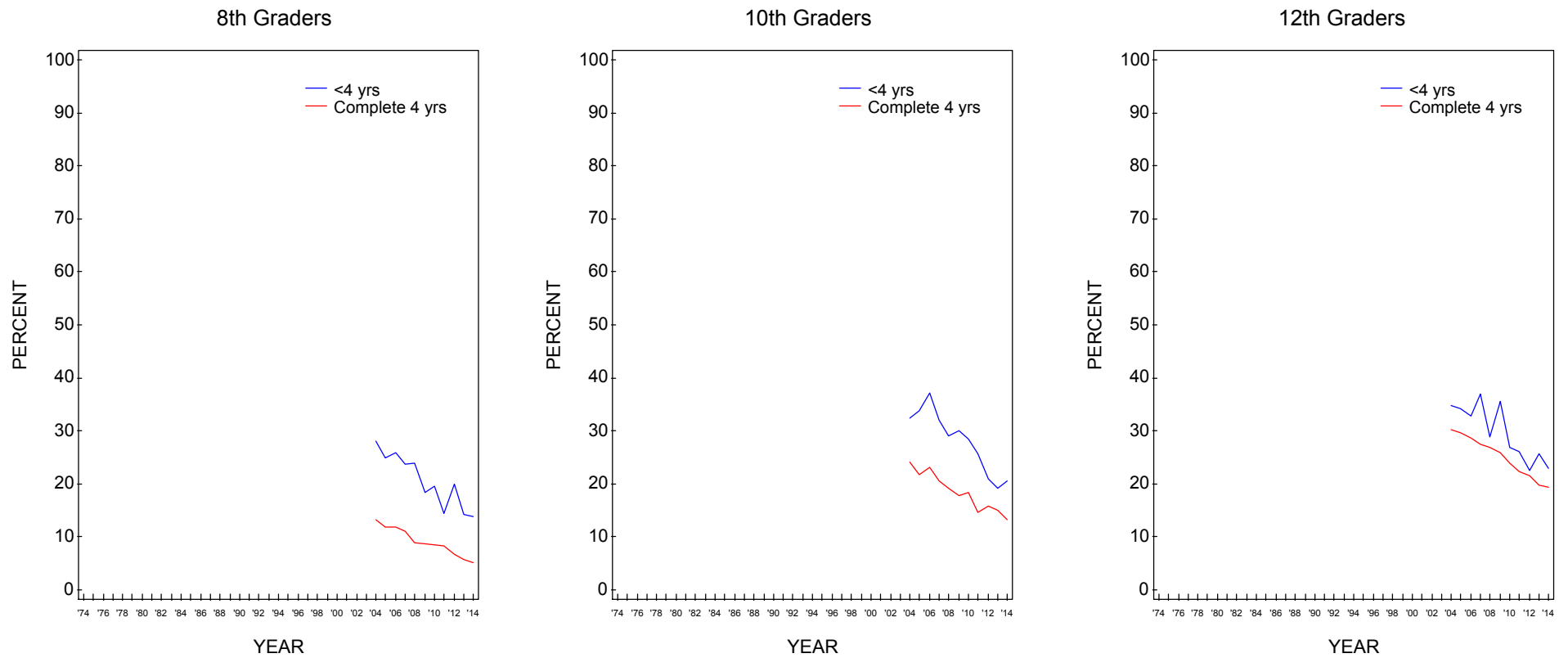
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 271
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Gender



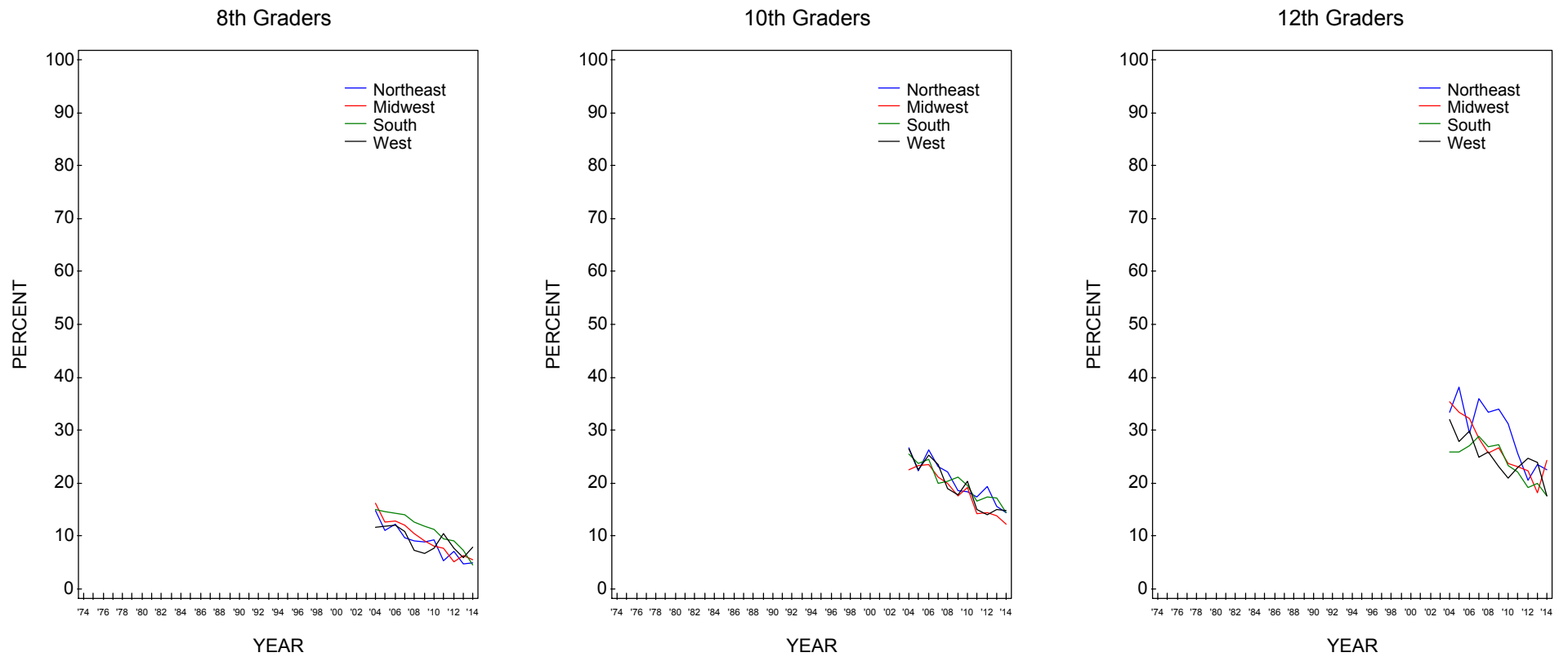
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 272
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by College Plans



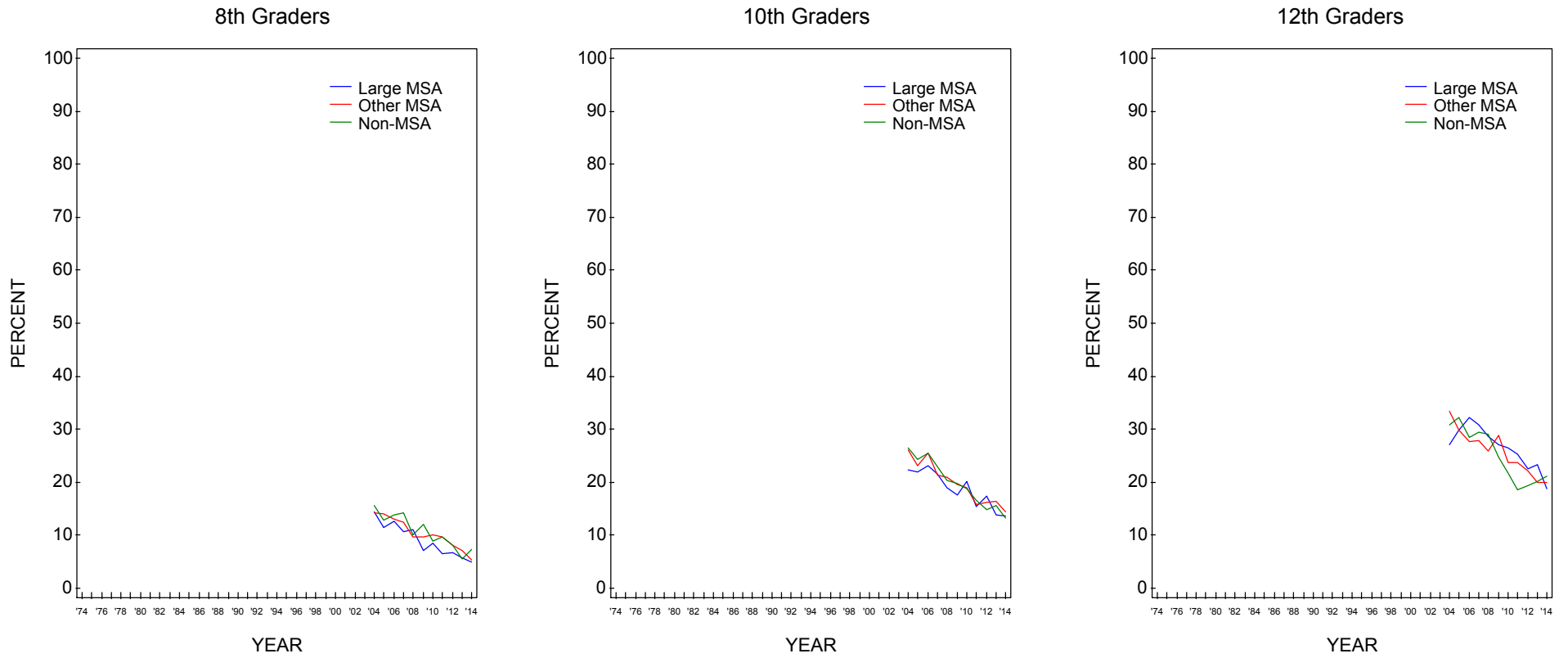
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 273
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Region



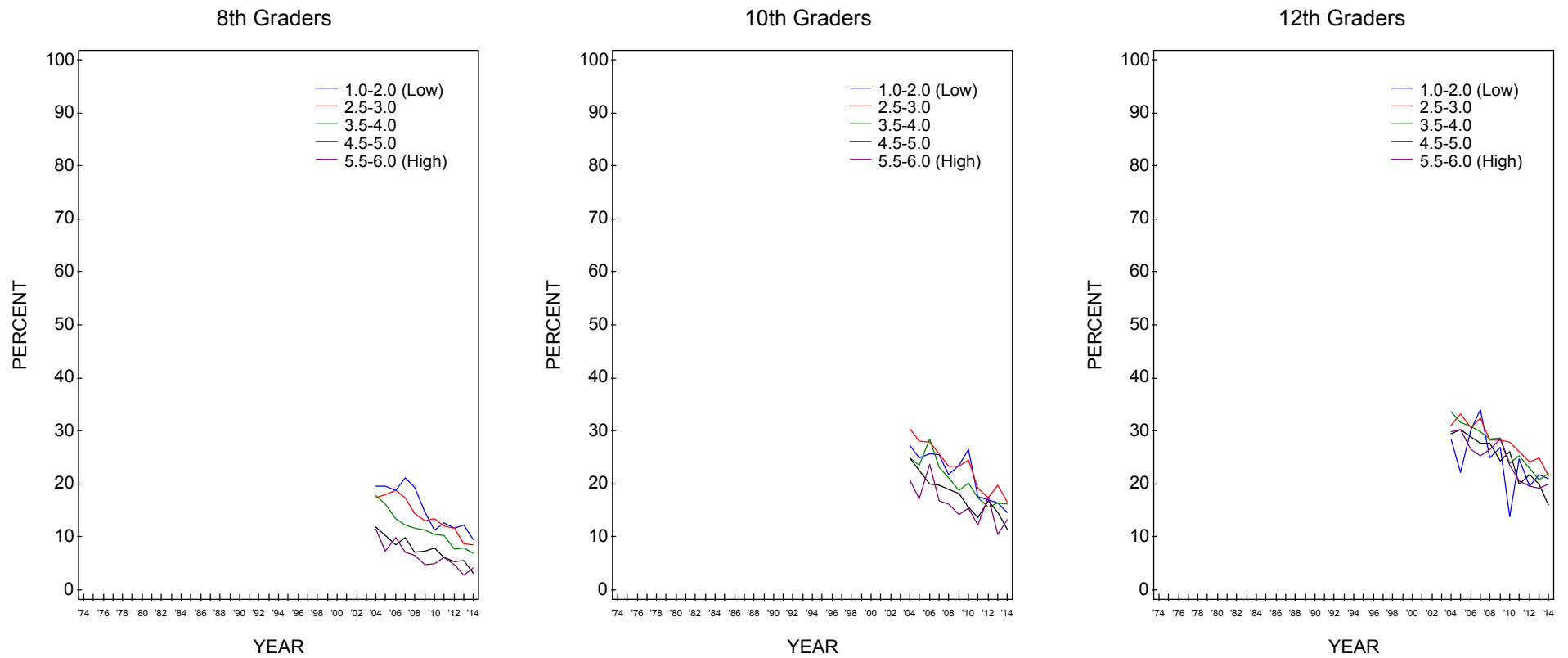
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 274
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

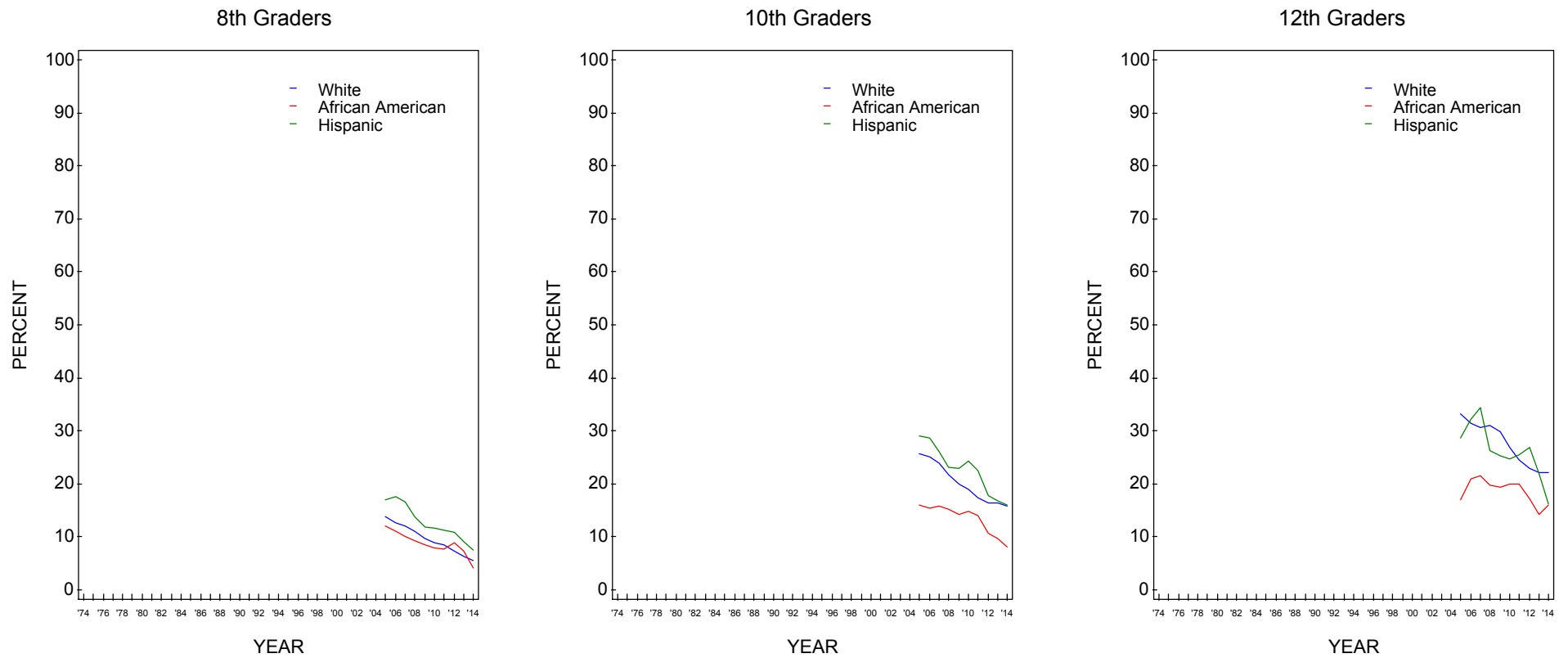
FIGURE 275
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

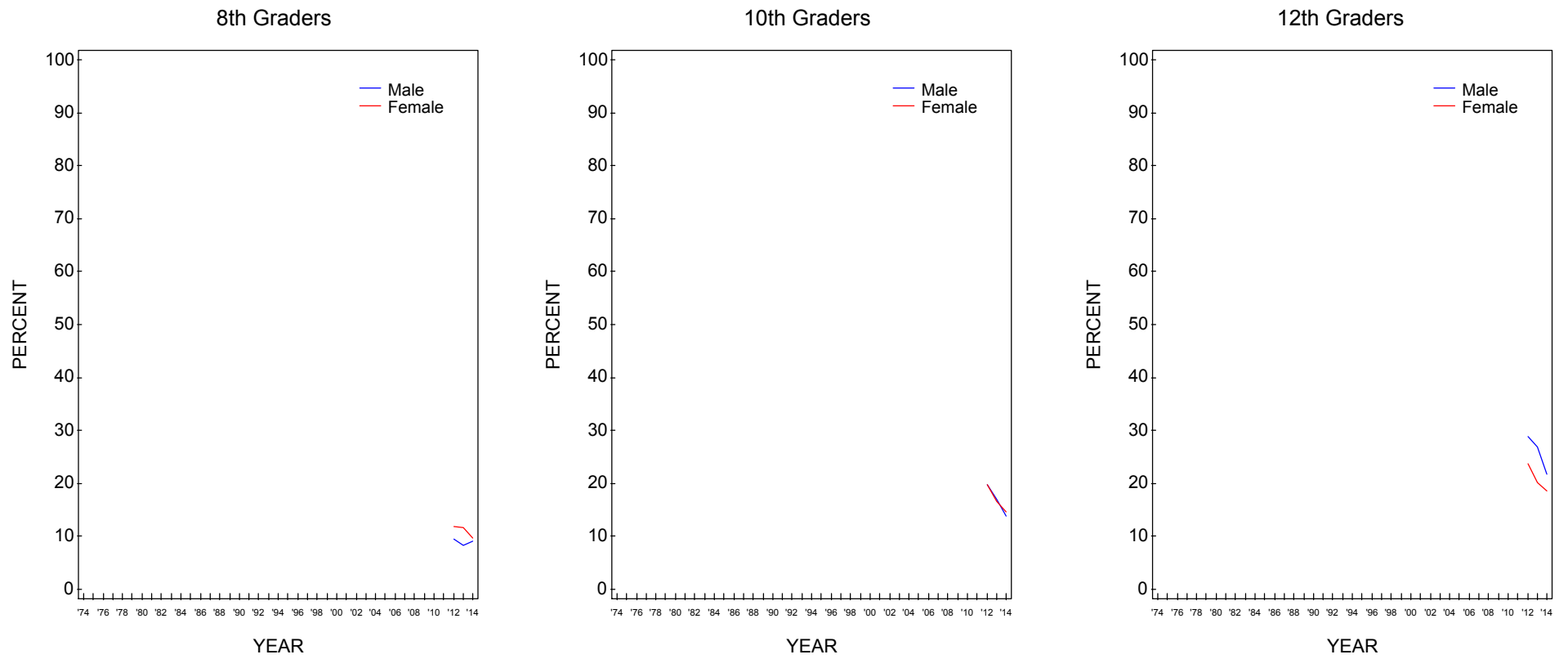
FIGURE 276
Flavored Alcoholic Beverages: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

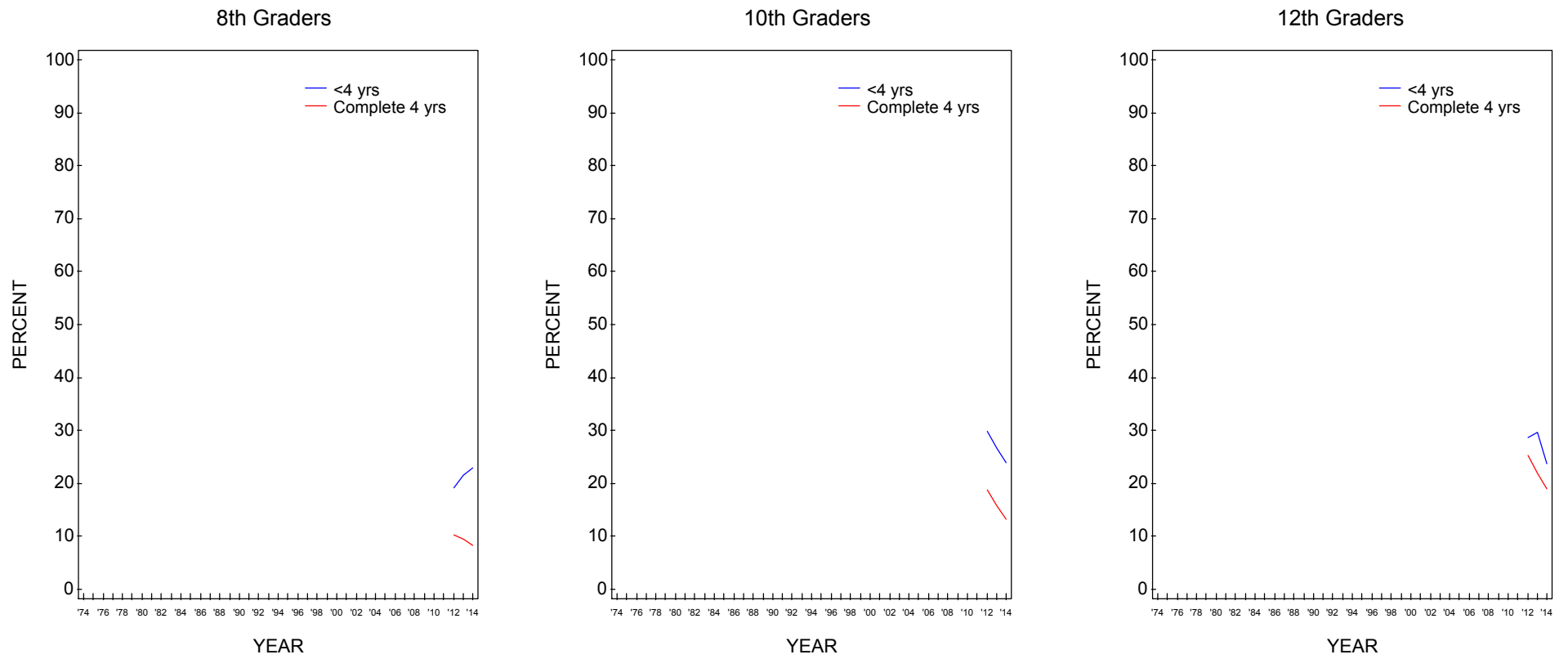
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 277
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Gender



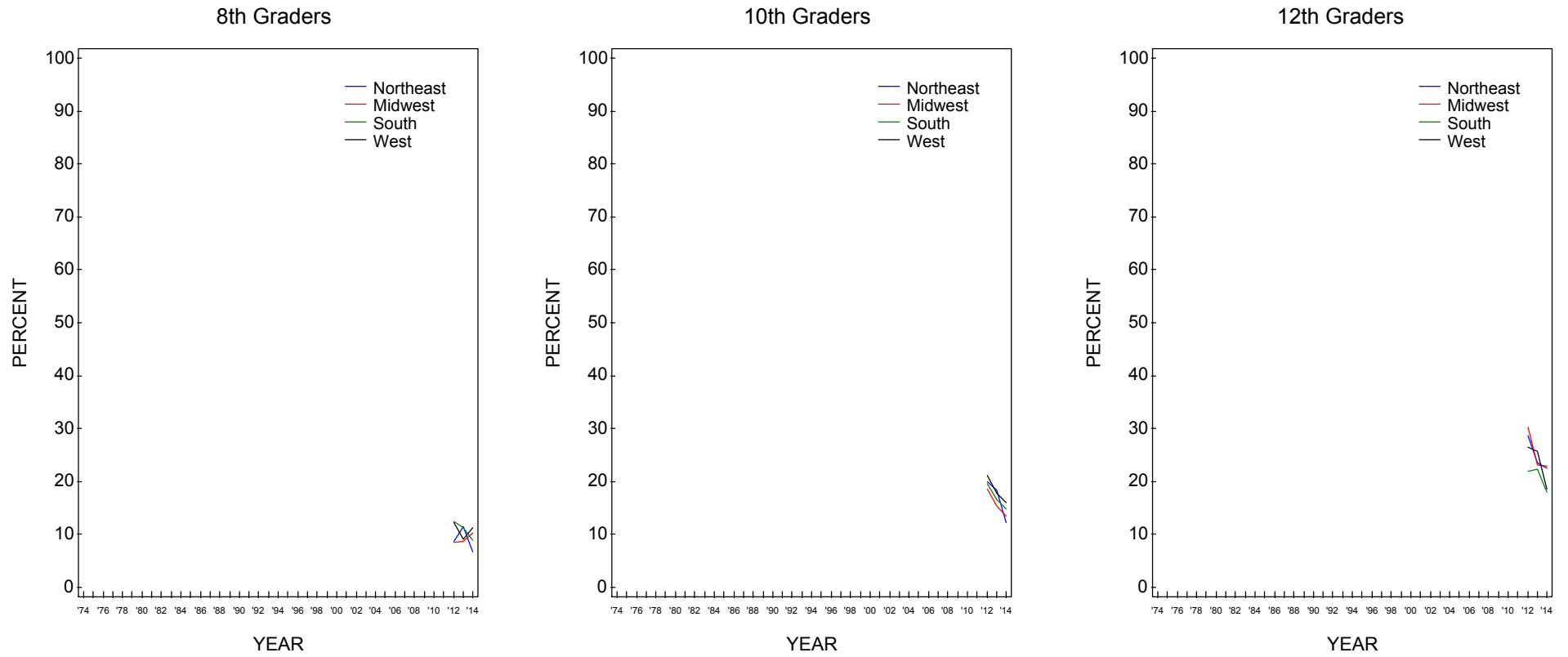
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 278
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by College Plans



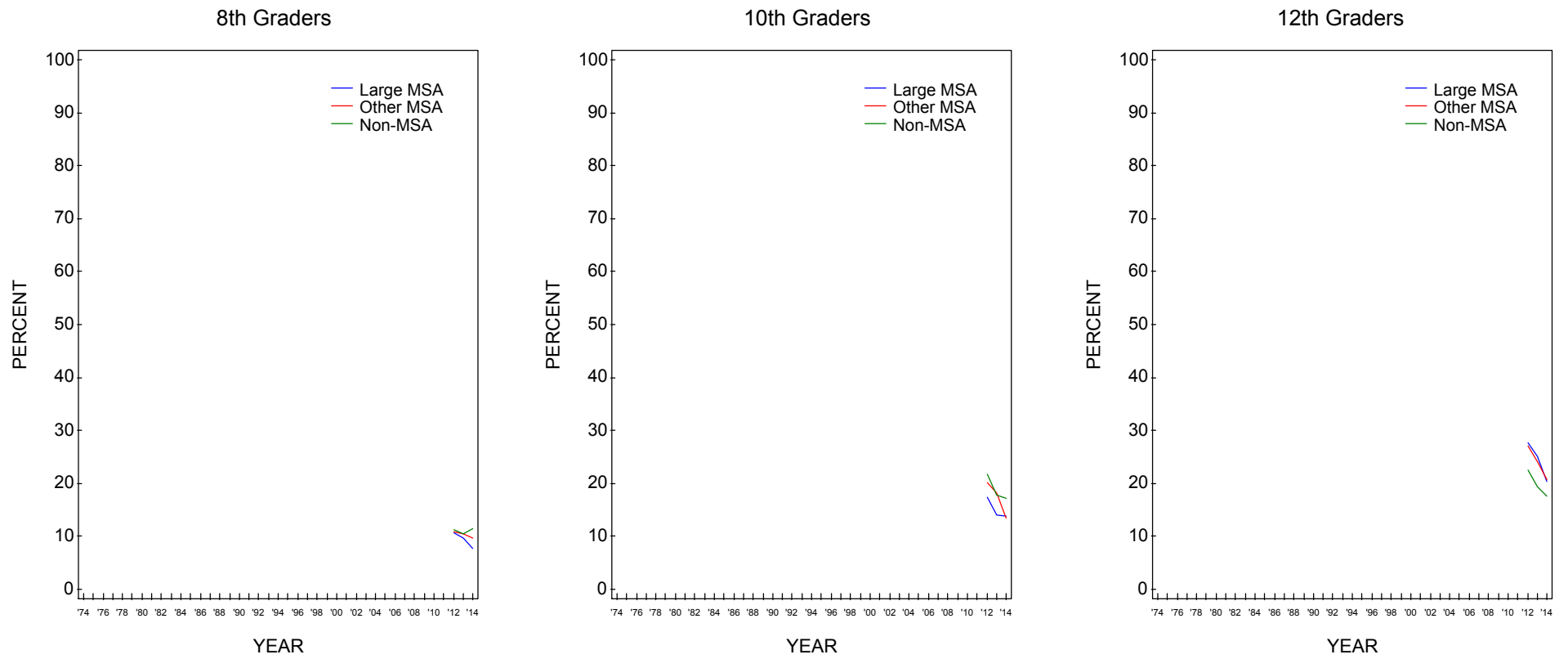
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 279
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

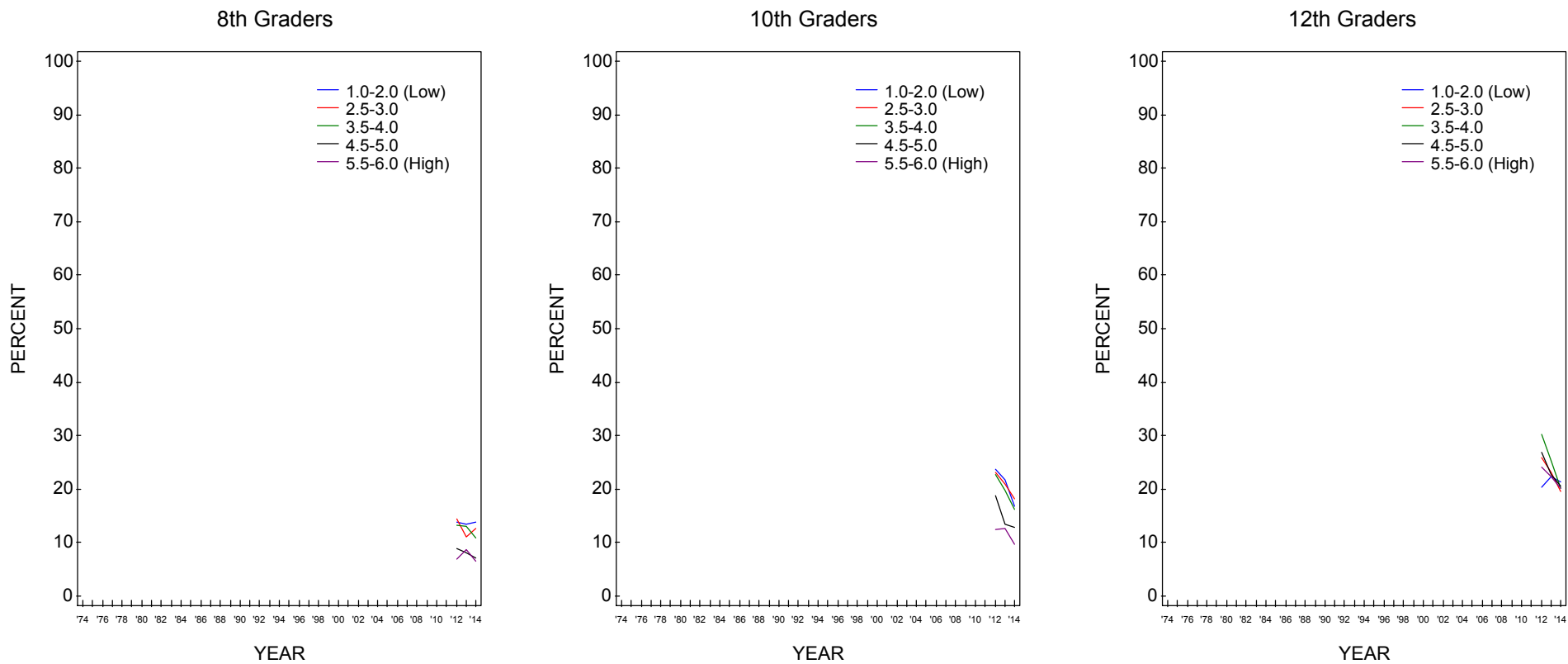
FIGURE 280
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 281

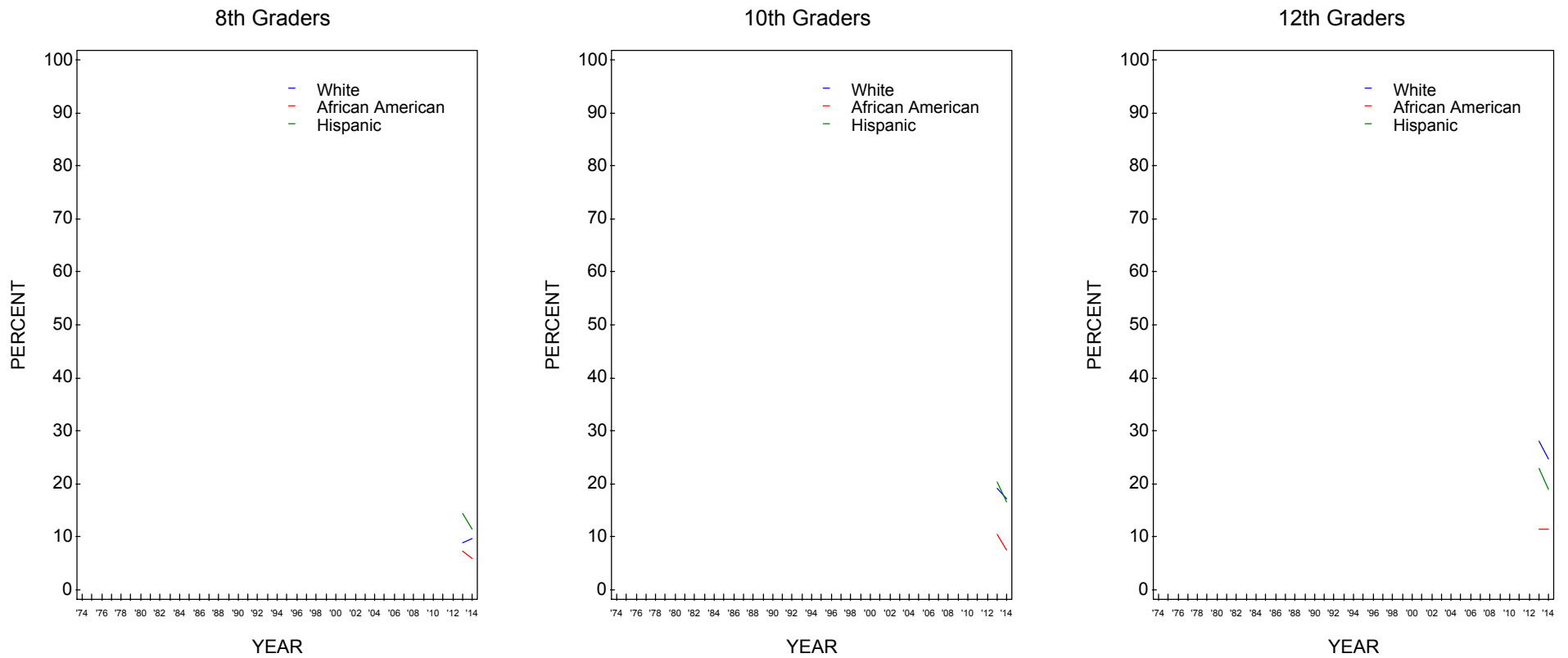
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

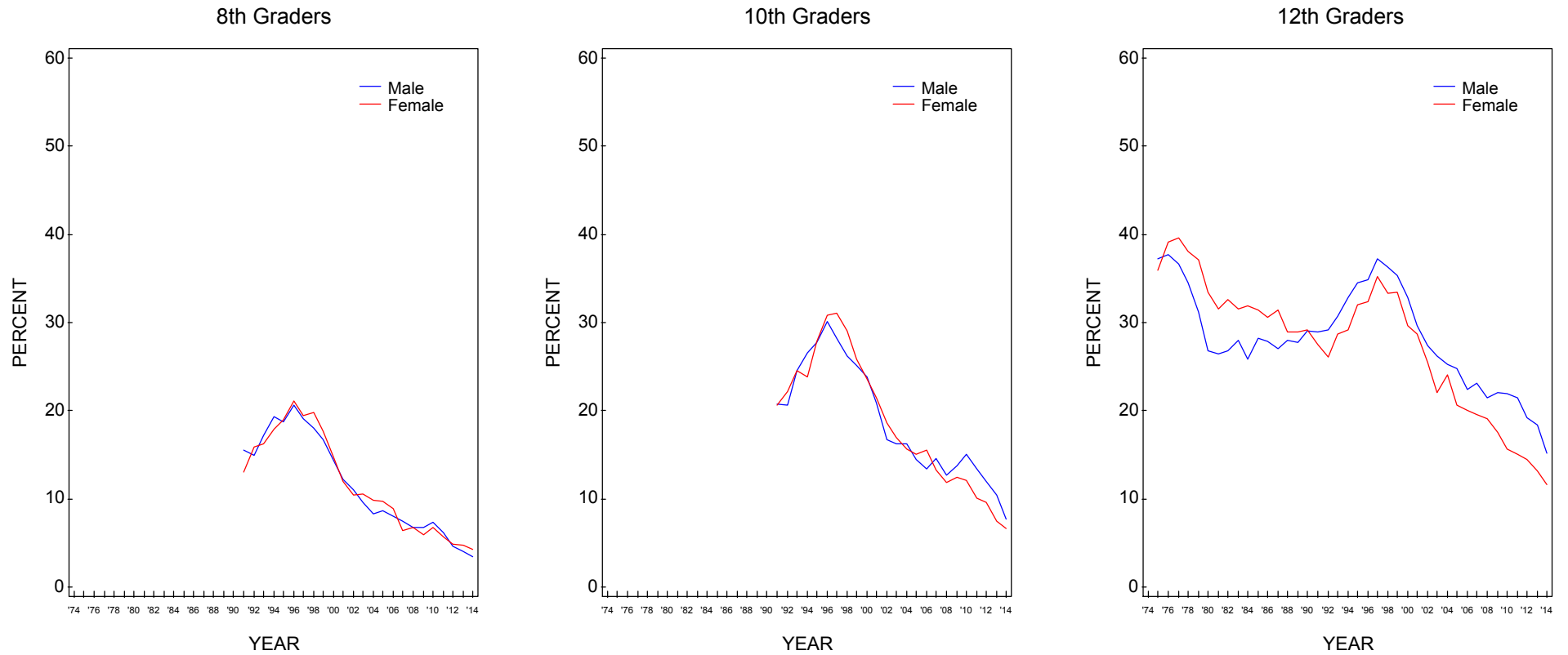
FIGURE 282
Alcoholic Beverages containing Caffeine: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

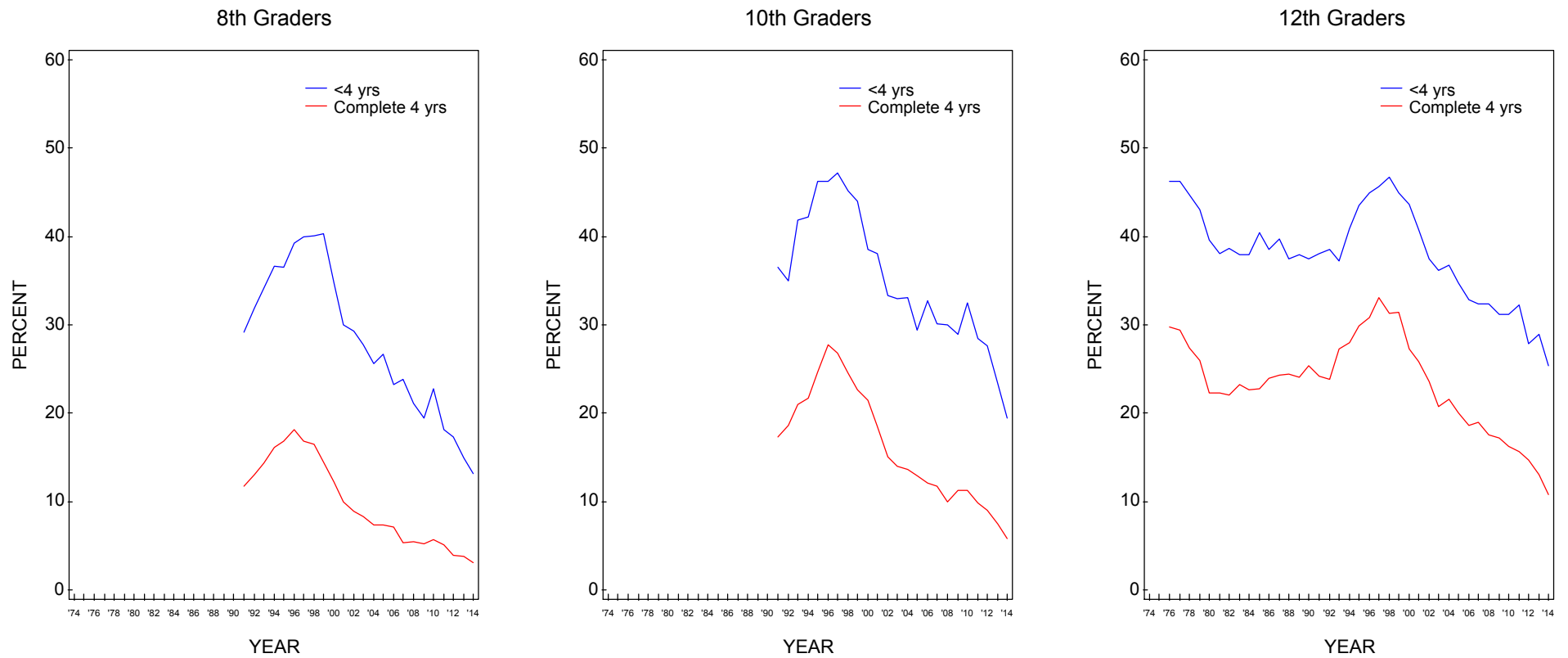
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 283
Cigarettes: Trends in 30-Day Prevalence by Gender



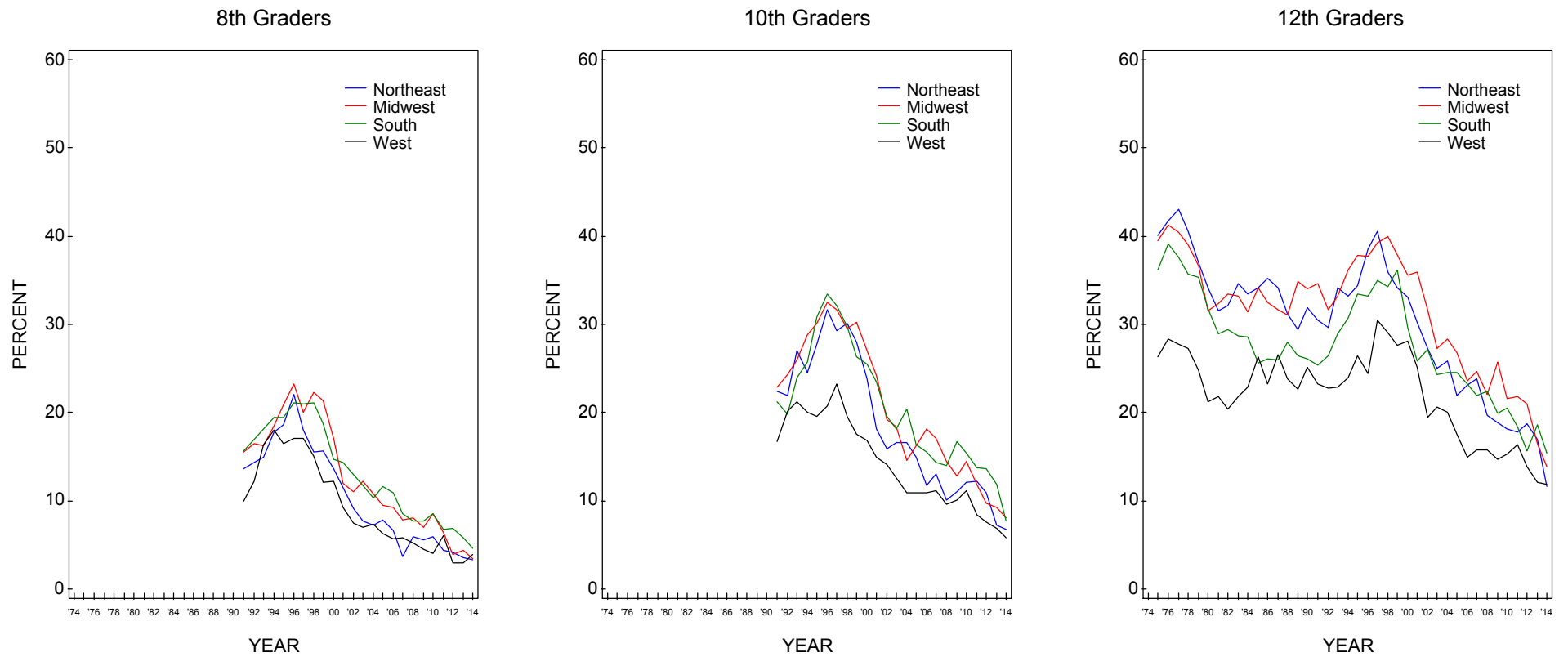
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 284
Cigarettes: Trends in 30-Day Prevalence by College Plans



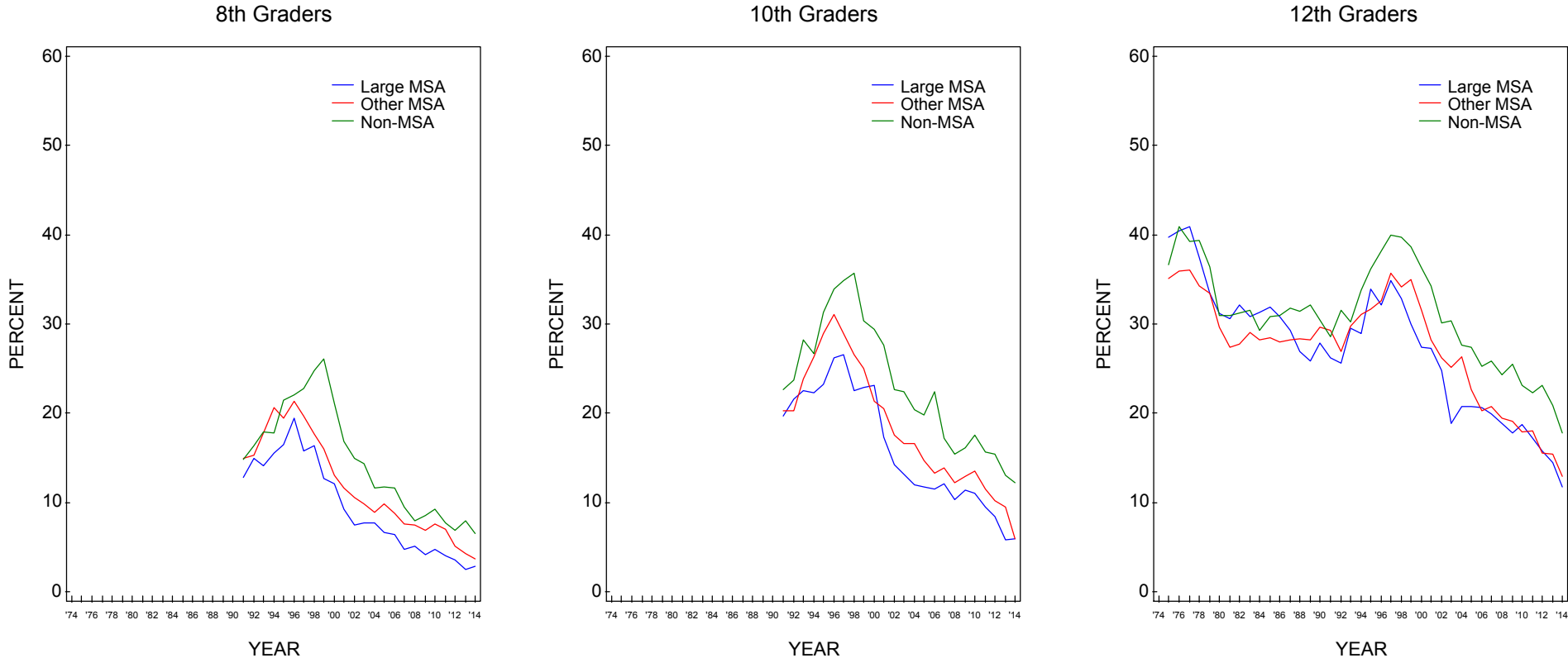
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 285
Cigarettes: Trends in 30-Day Prevalence by Region



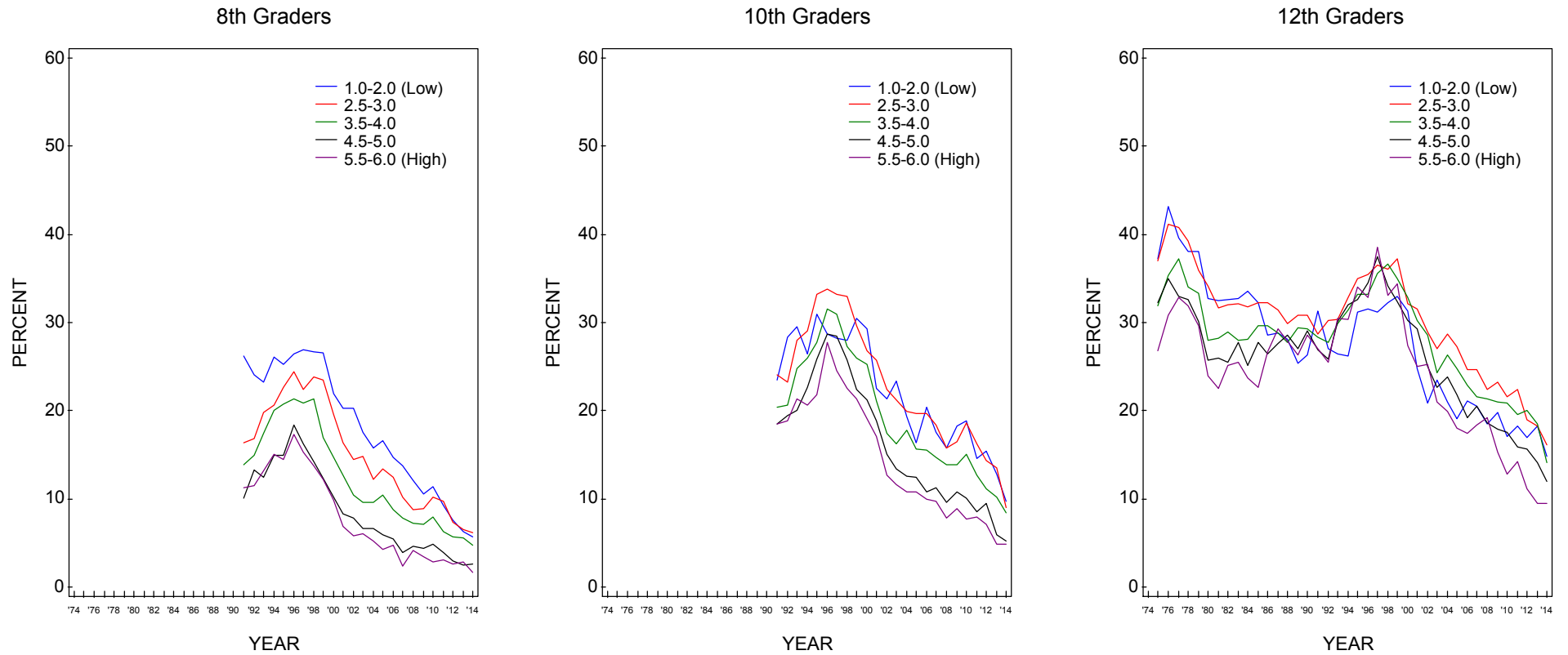
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 286
Cigarettes: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

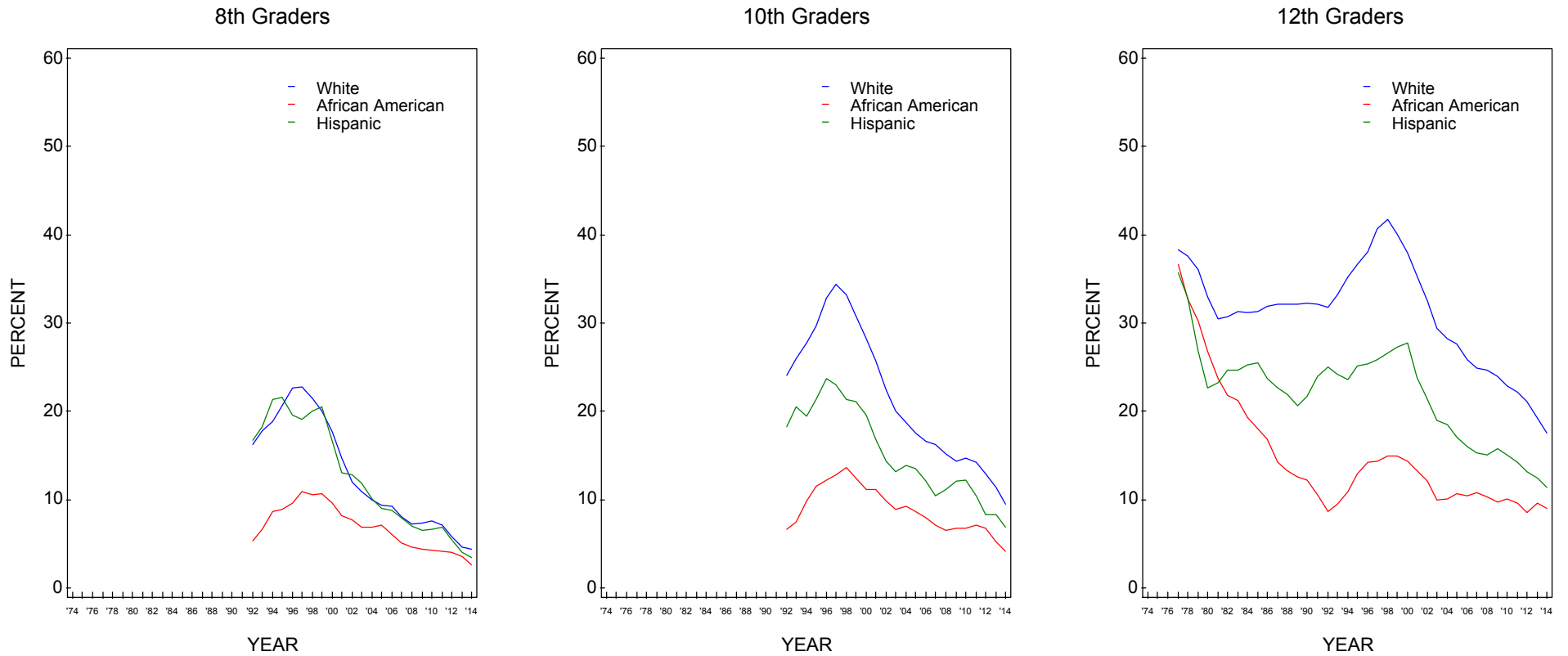
FIGURE 287
Cigarettes: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

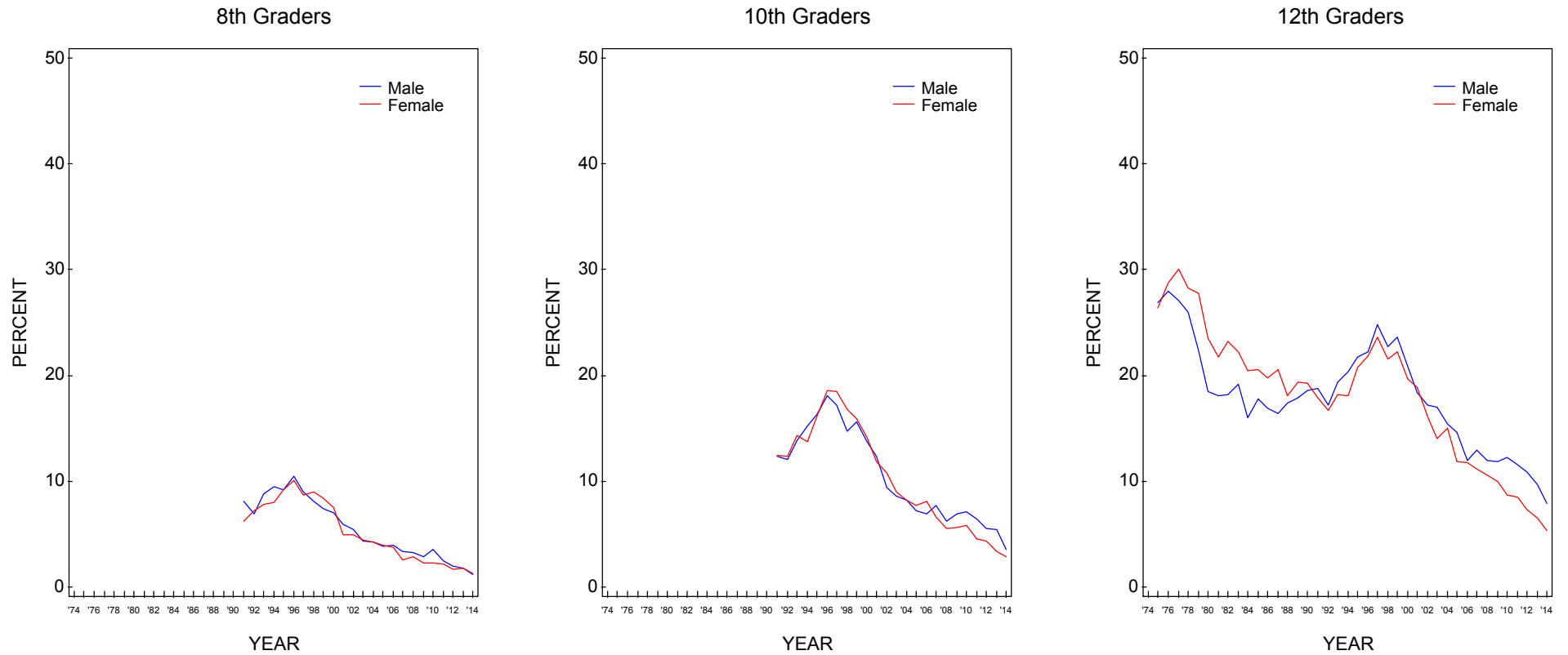
FIGURE 288
Cigarettes: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

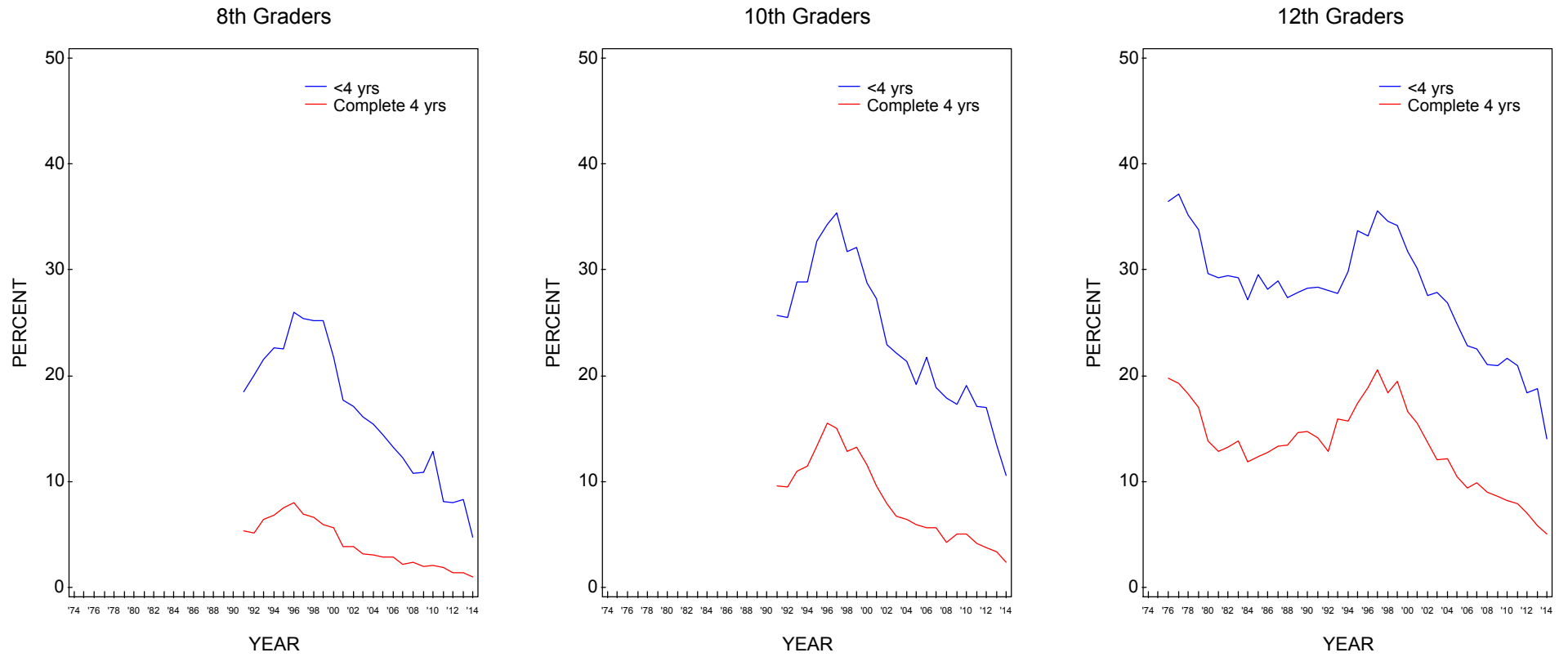
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 289
Cigarettes: Trends in 30-Day Prevalence of Daily Use by Gender



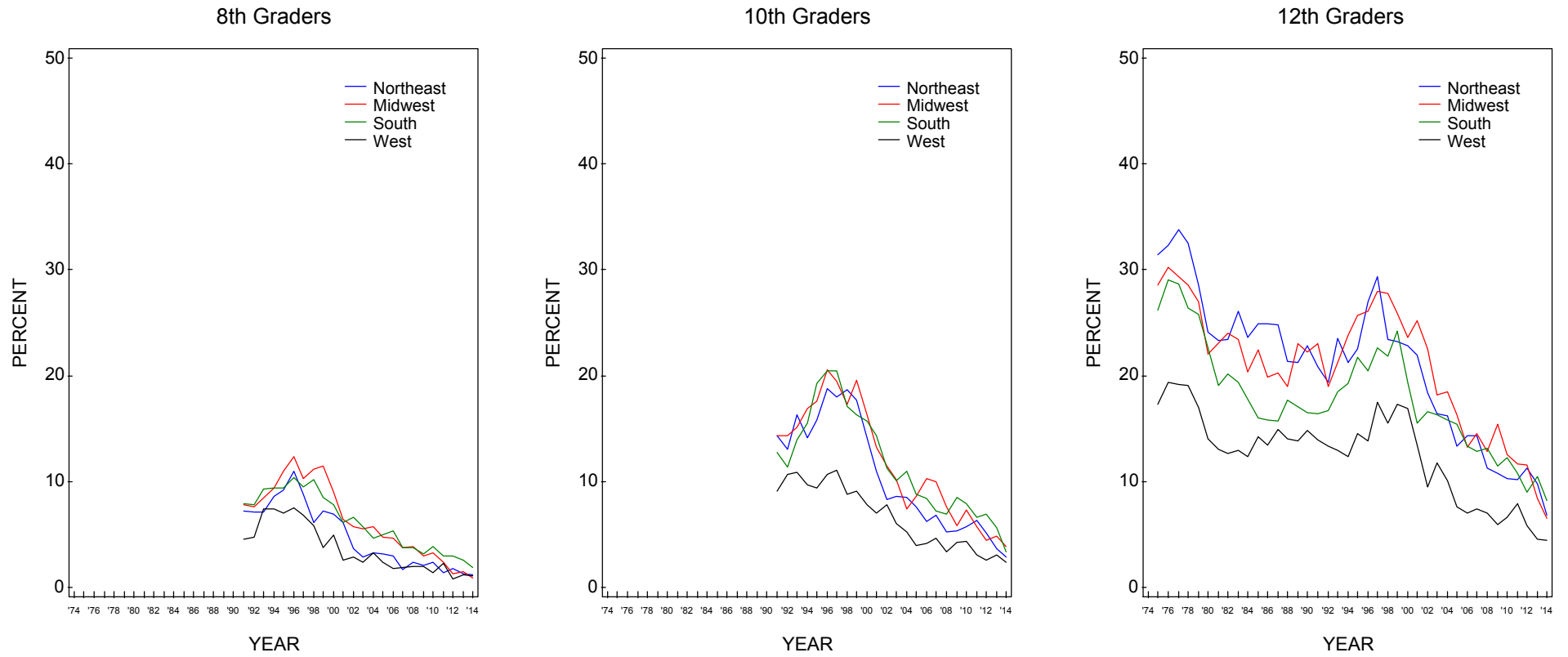
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 290
Cigarettes: Trends in 30-Day Prevalence of Daily Use by College Plans



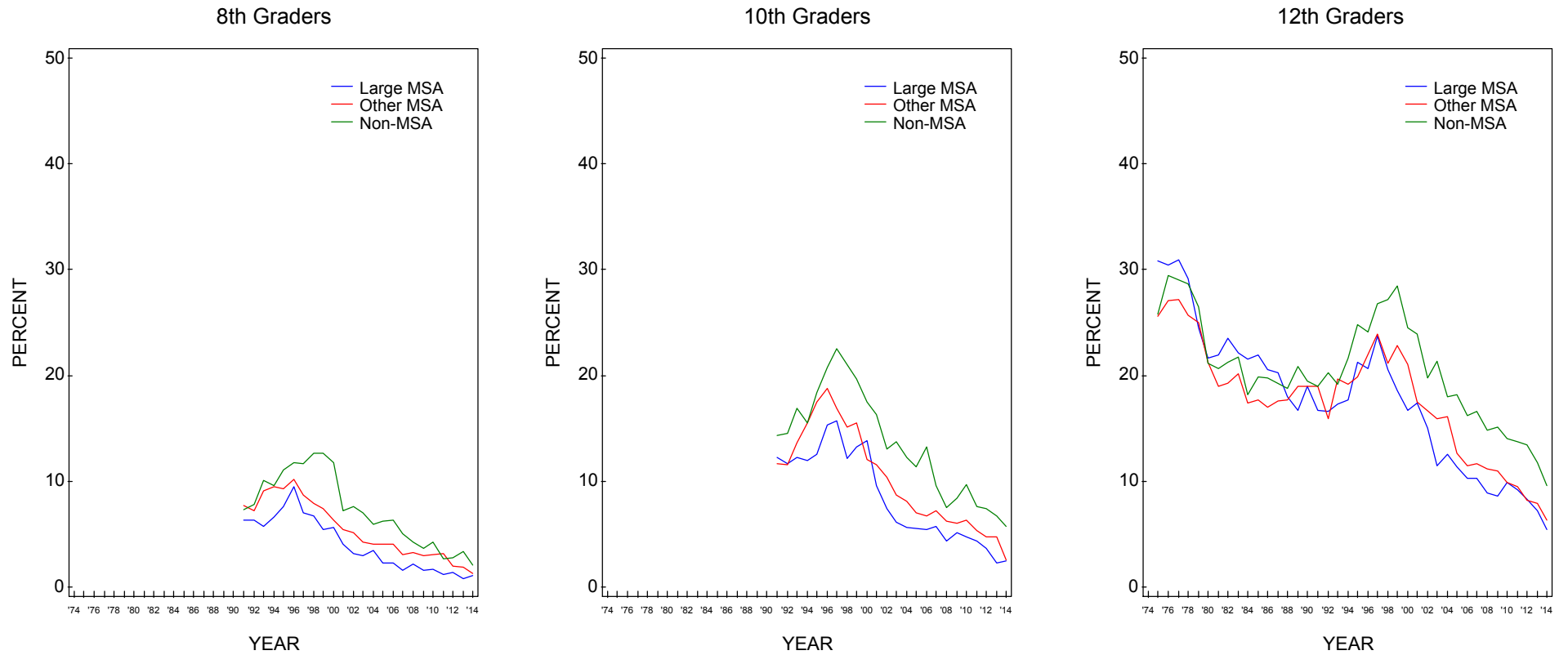
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 291
Cigarettes: Trends in 30-Day Prevalence of Daily Use by Region



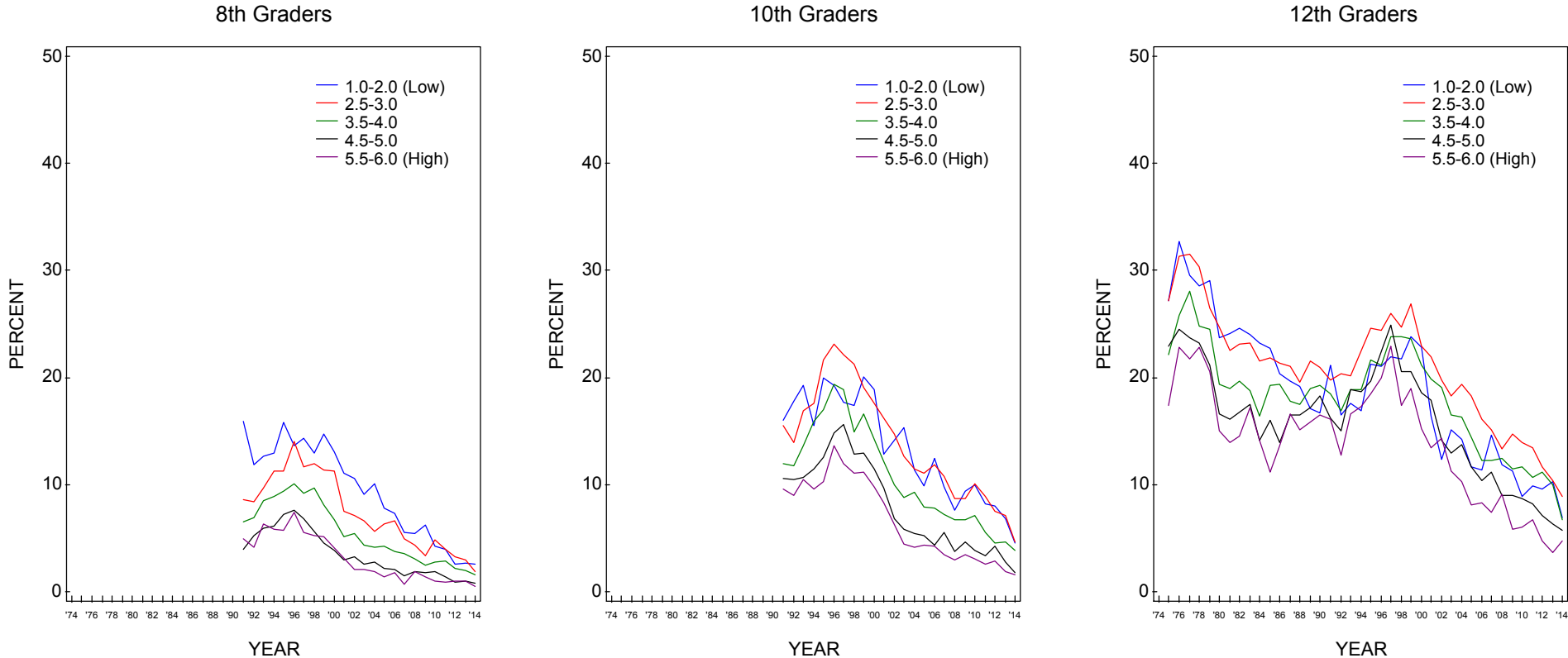
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 292
Cigarettes: Trends in 30-Day Prevalence of Daily Use by Population Density



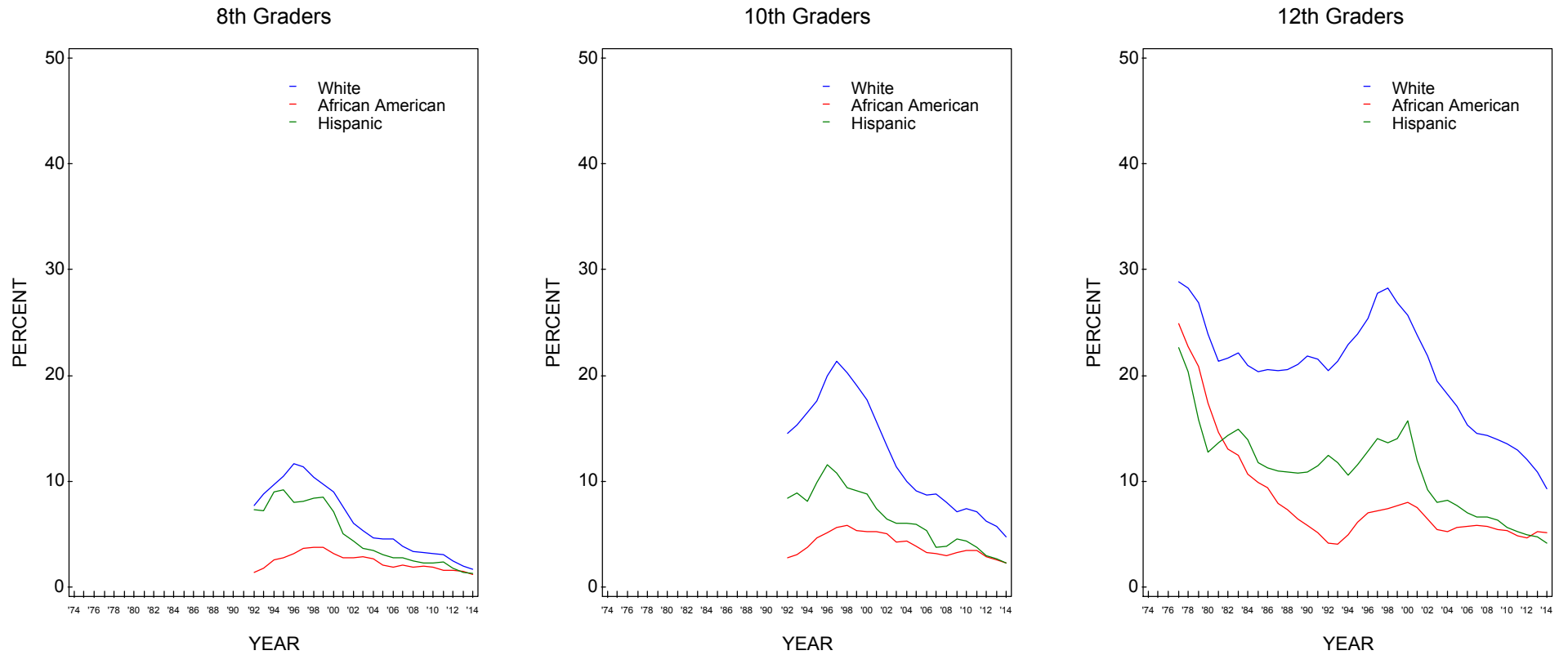
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 293
Cigarettes: Trends in 30-Day Prevalence of Daily Use by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.
 *Parental education is an average score of mother's education and father's education. See appendix B for details.

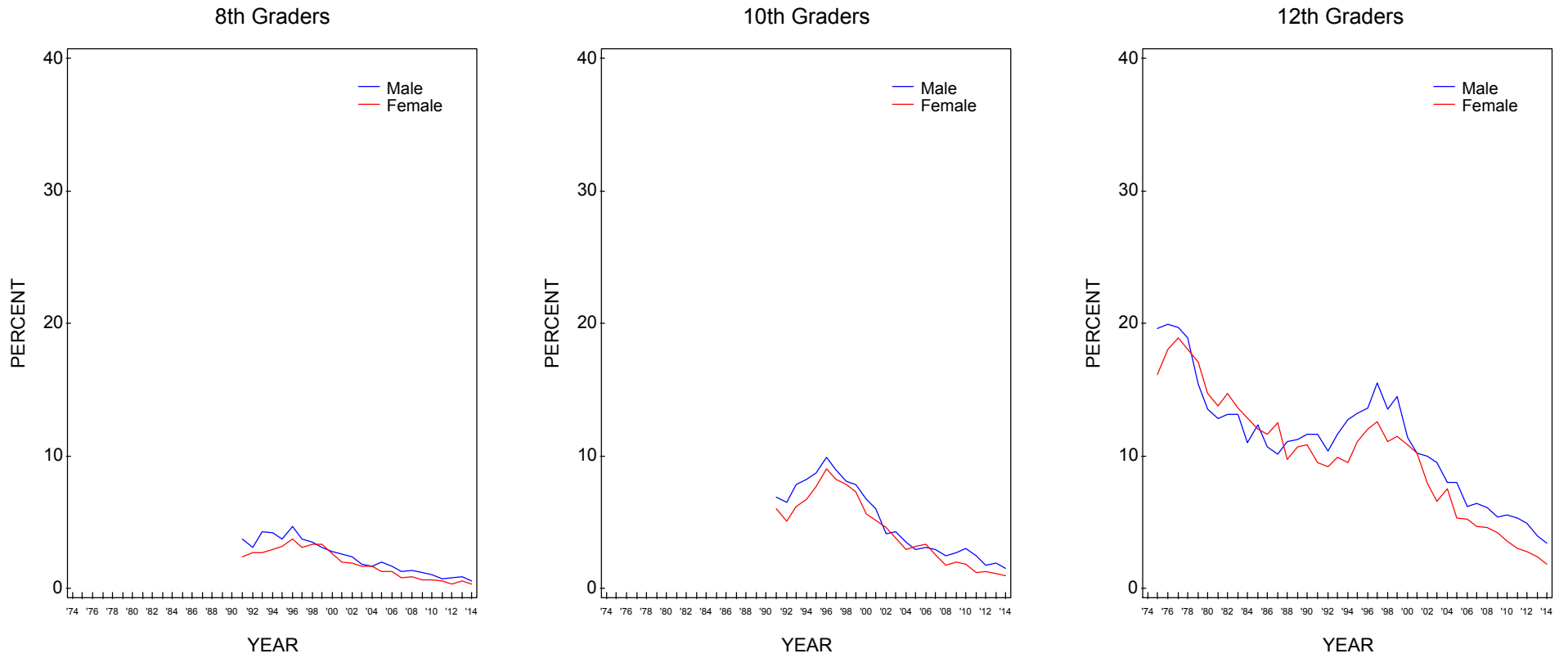
FIGURE 294
Cigarettes: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

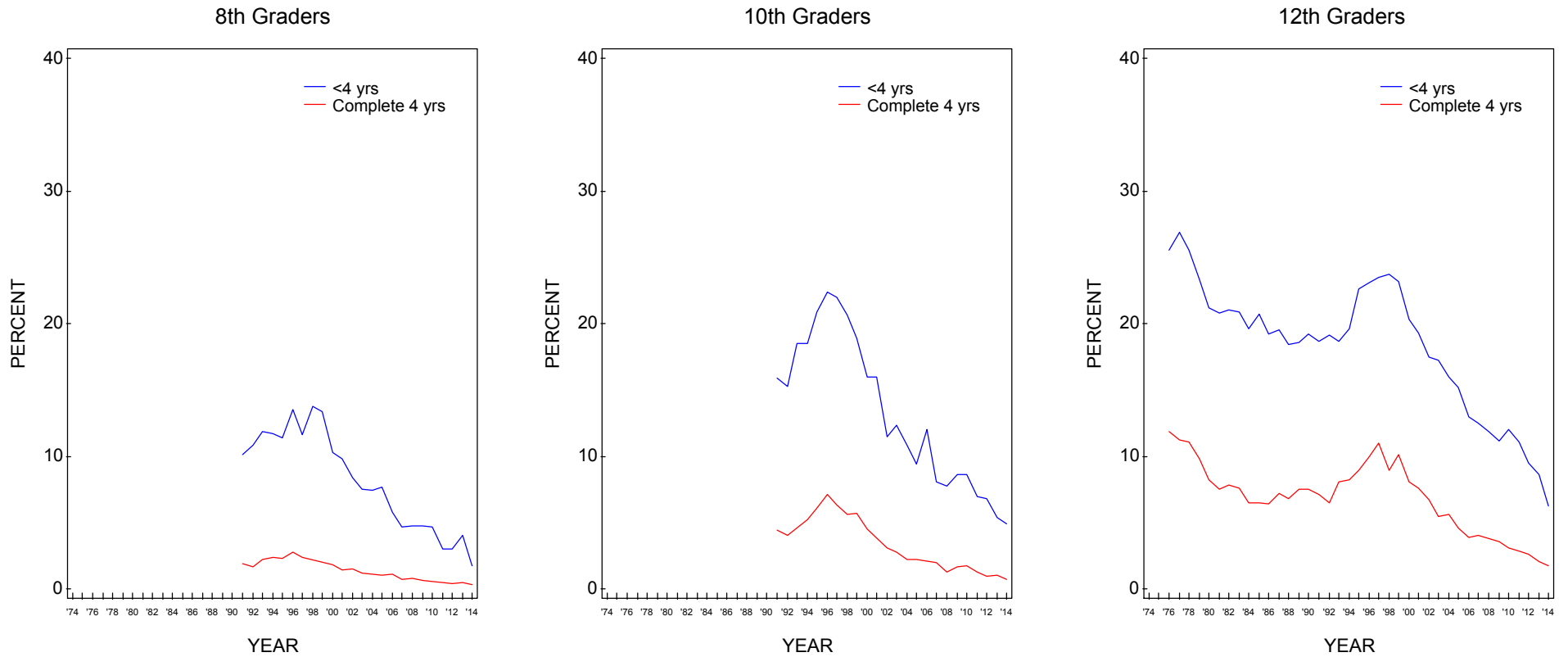
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 295
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Gender



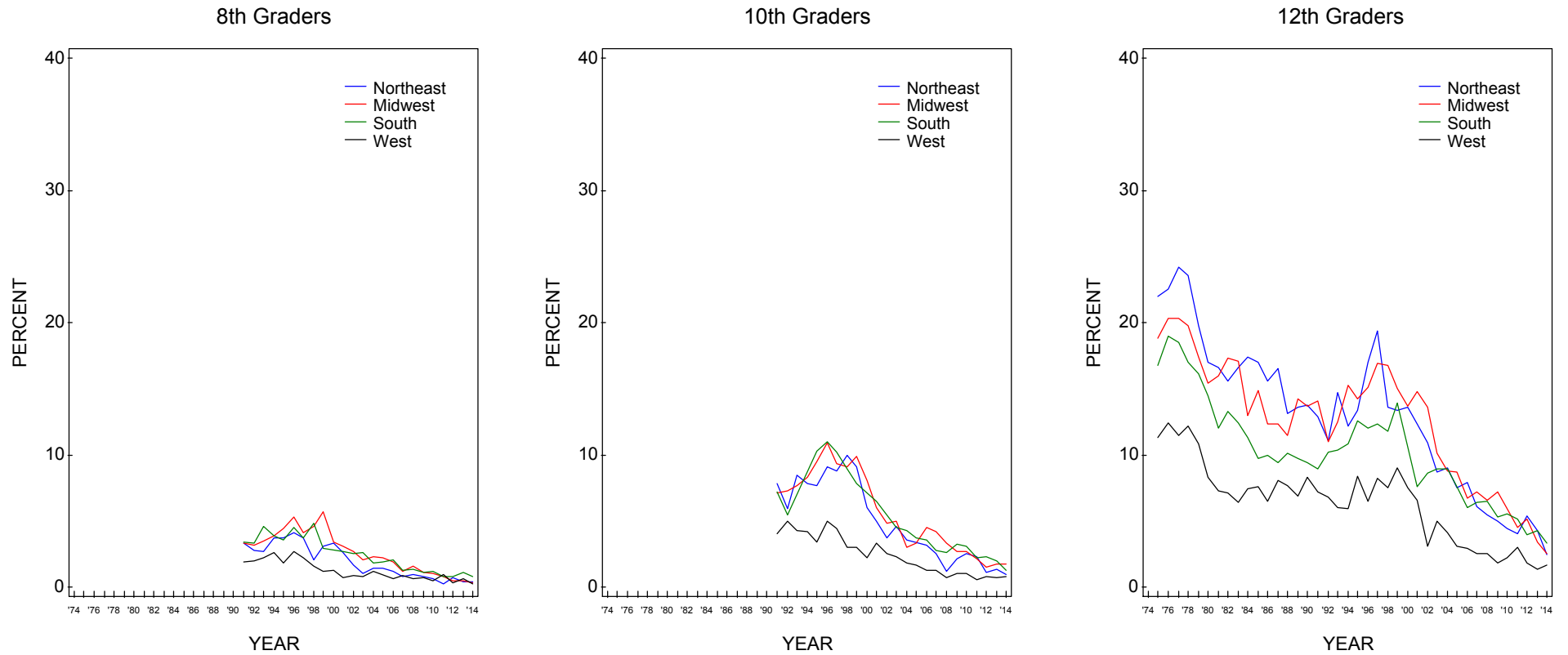
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 296
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by College Plans



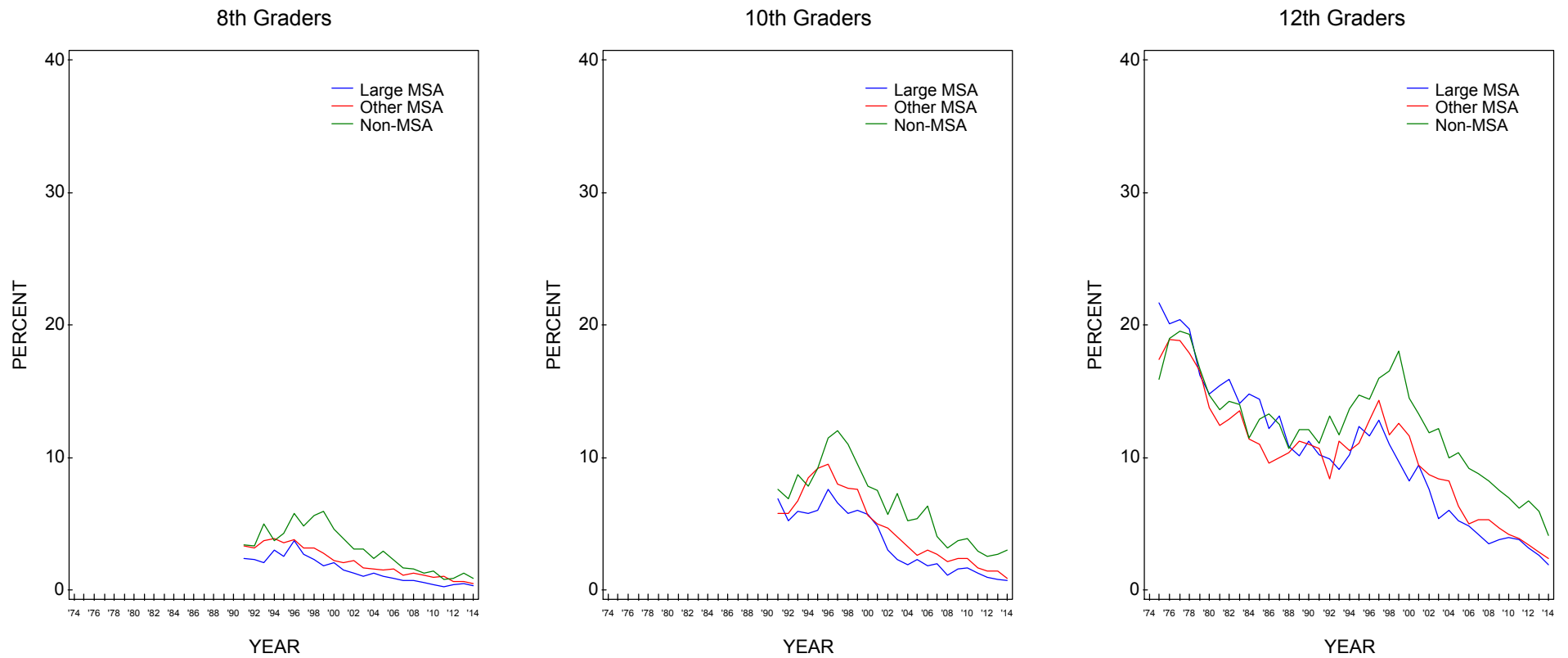
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 297
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Region



Source. The Monitoring the Future study, the University of Michigan.

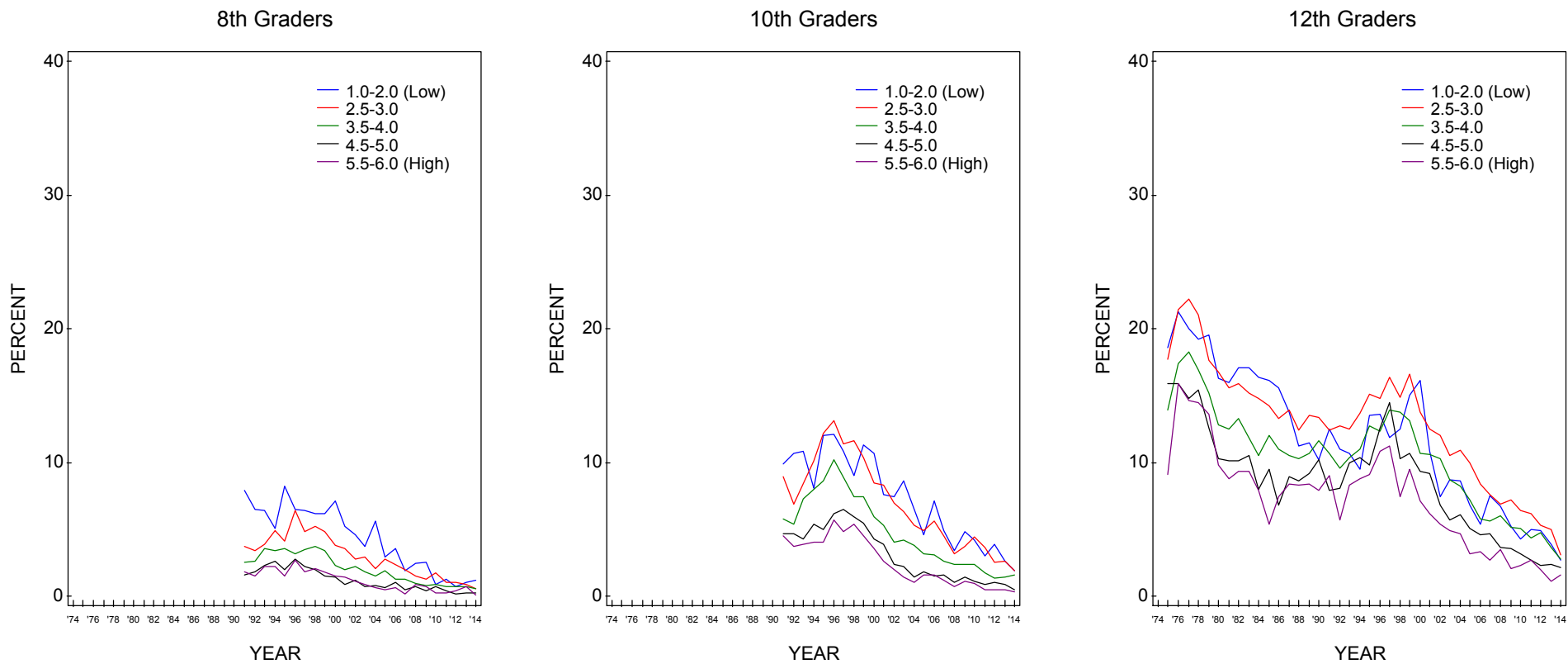
FIGURE 298
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 299

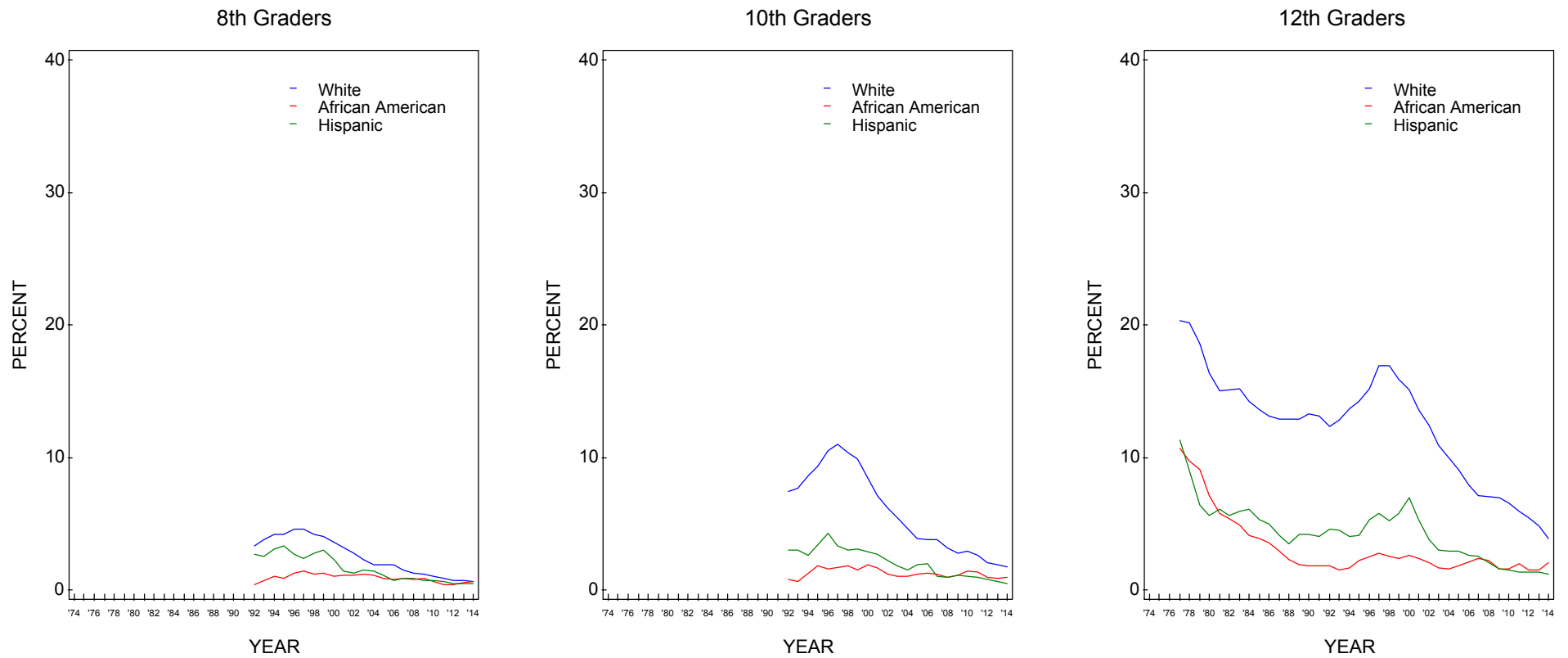
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

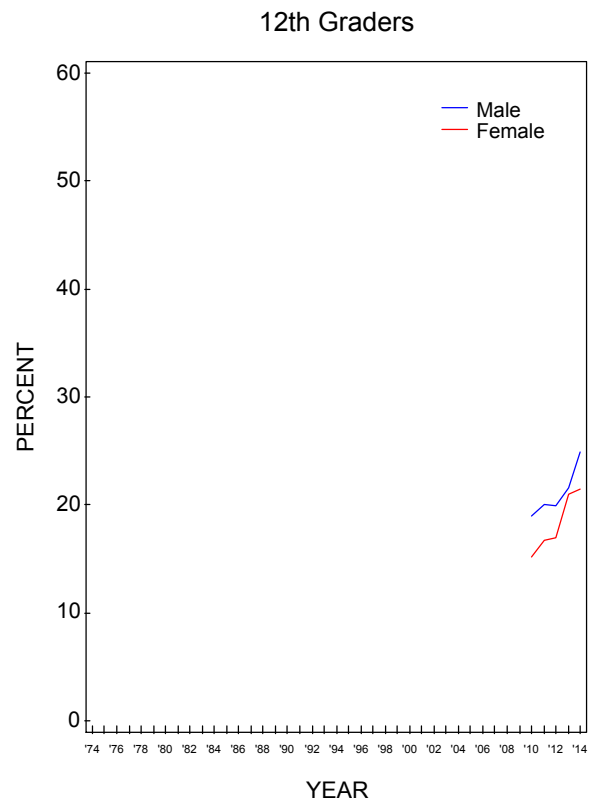
FIGURE 300
Cigarettes: Trends in Prevalence of Use of Half Pack a Day or More by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

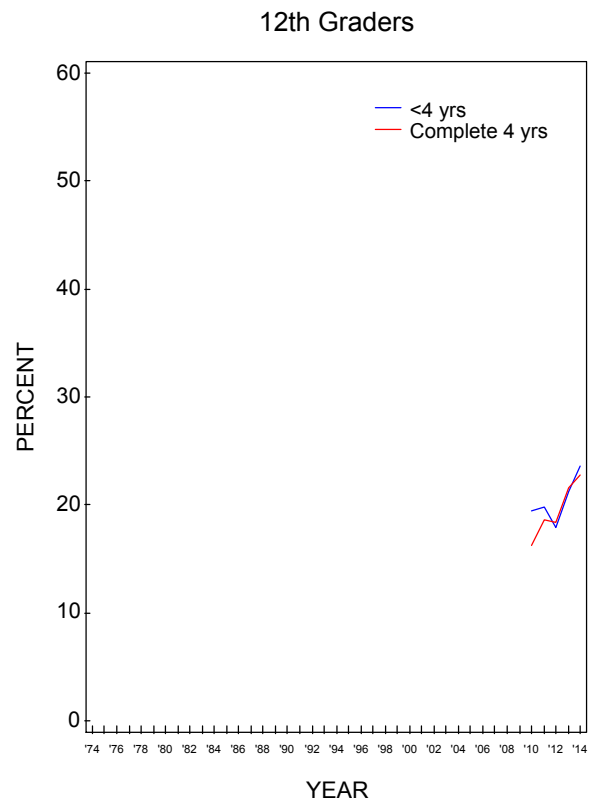
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 301
Tobacco using a Hookah: Trends in Annual Prevalence by Gender



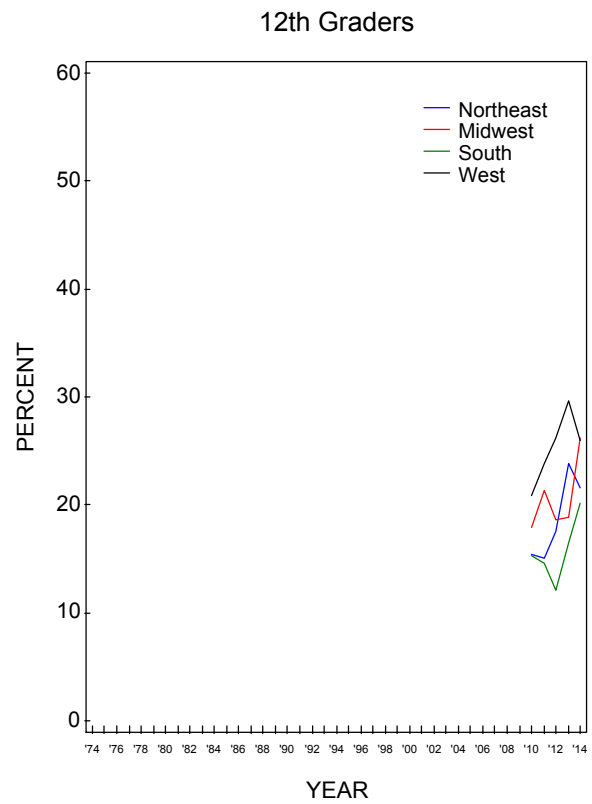
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 302
Tobacco using a Hookah: Trends in Annual Prevalence by College Plans



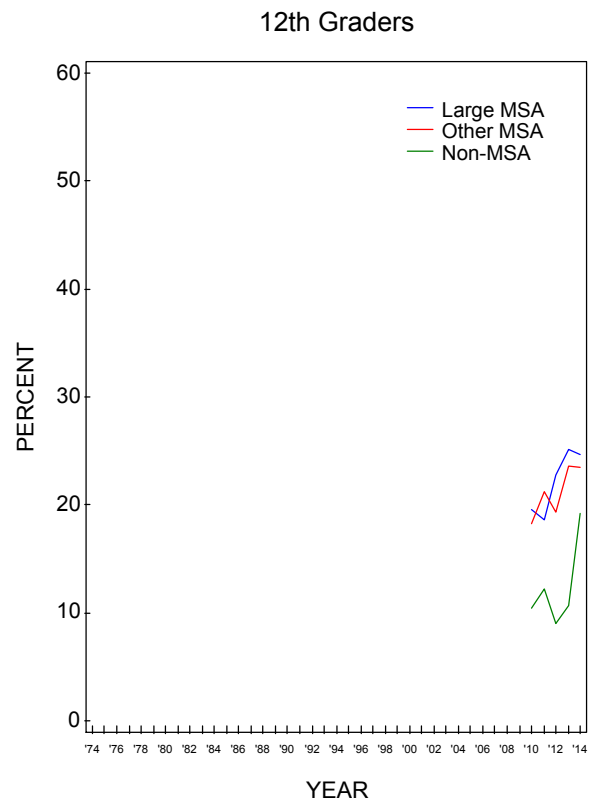
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 303
Tobacco using a Hookah: Trends in Annual Prevalence by Region



Source. The Monitoring the Future study, the University of Michigan.

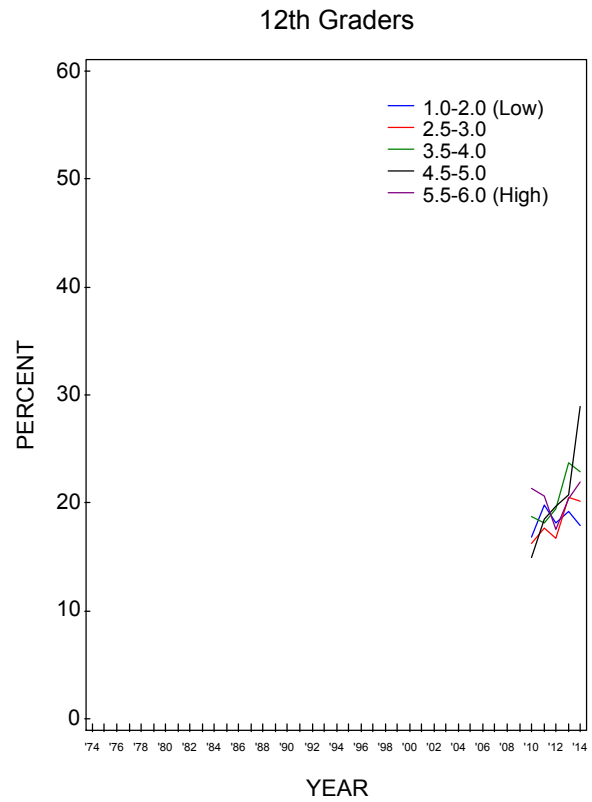
FIGURE 304
Tobacco using a Hookah: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

FIGURE 305

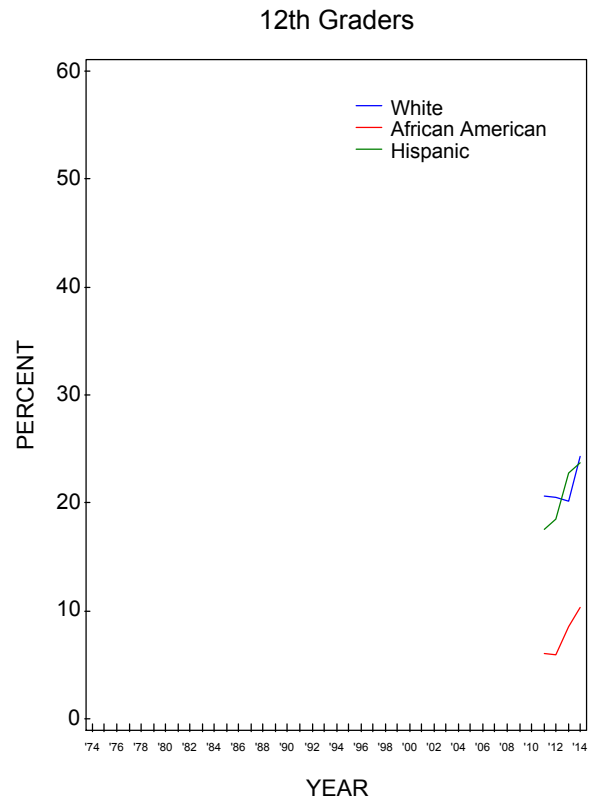
Tobacco using a Hookah: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

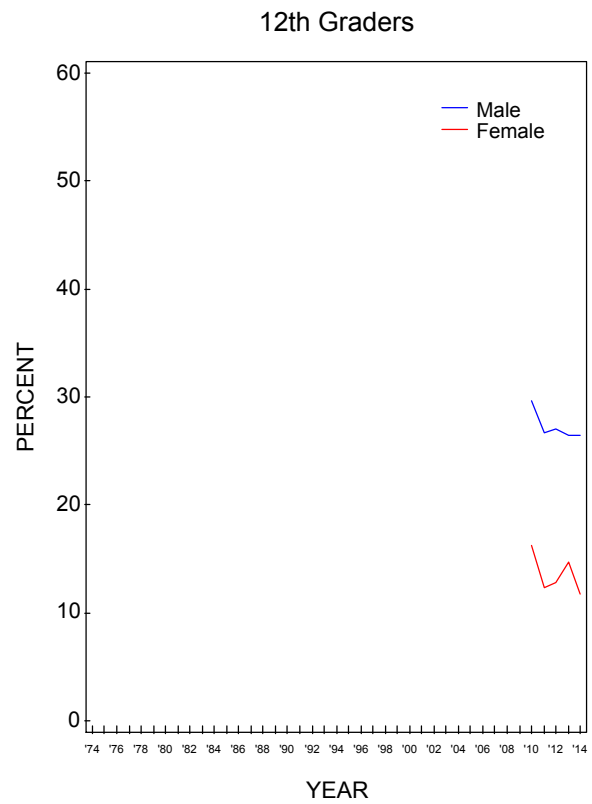
FIGURE 306
Tobacco using a Hookah: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

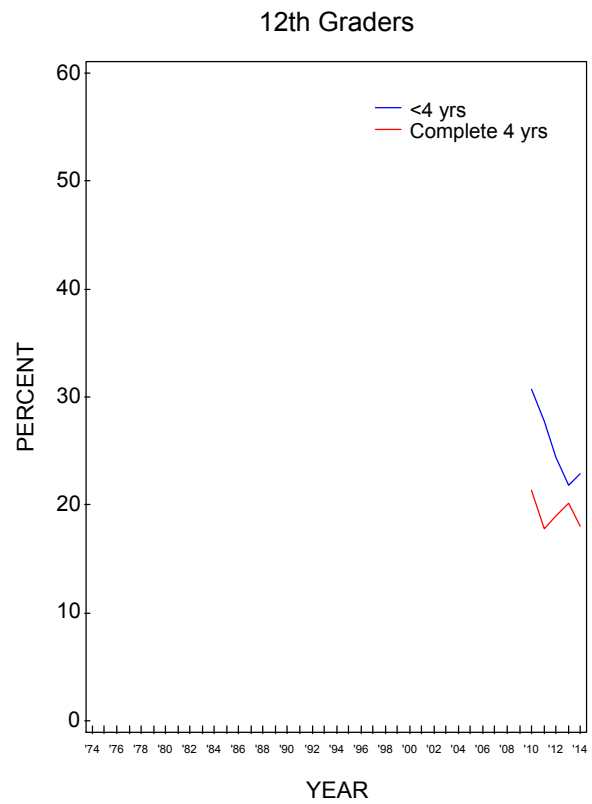
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 307
Small Cigars: Trends in Annual Prevalence by Gender



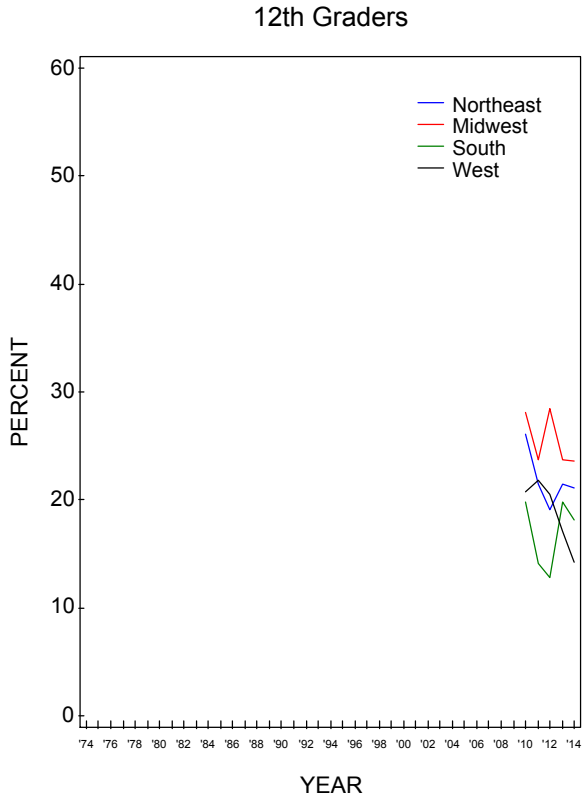
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 308
Small Cigars: Trends in Annual Prevalence by College Plans



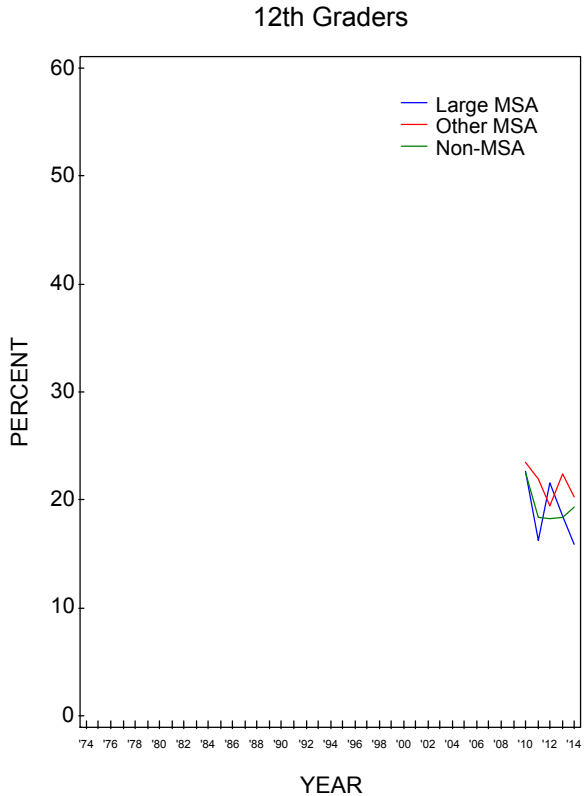
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 309
Small Cigars: Trends in Annual Prevalence by Region



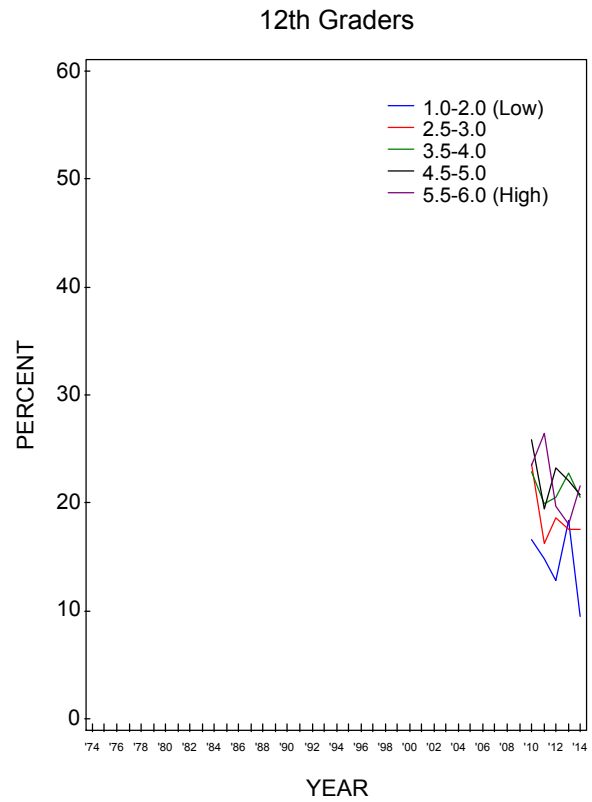
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 310
Small Cigars: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

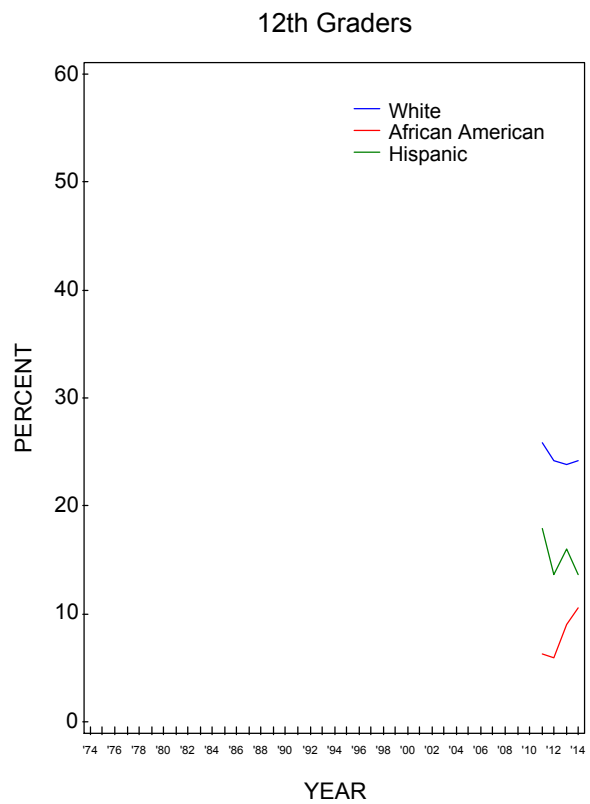
FIGURE 311
Small Cigars: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

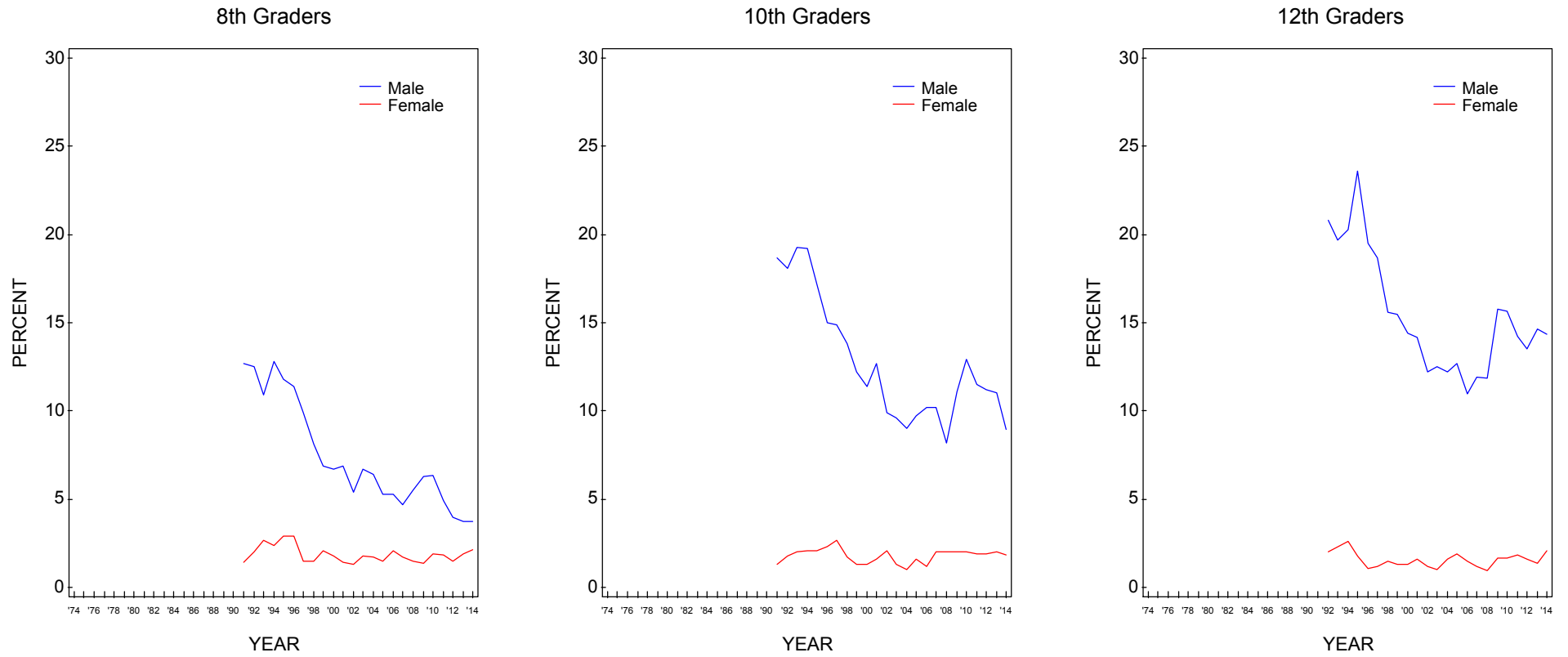
FIGURE 312
Small Cigars: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

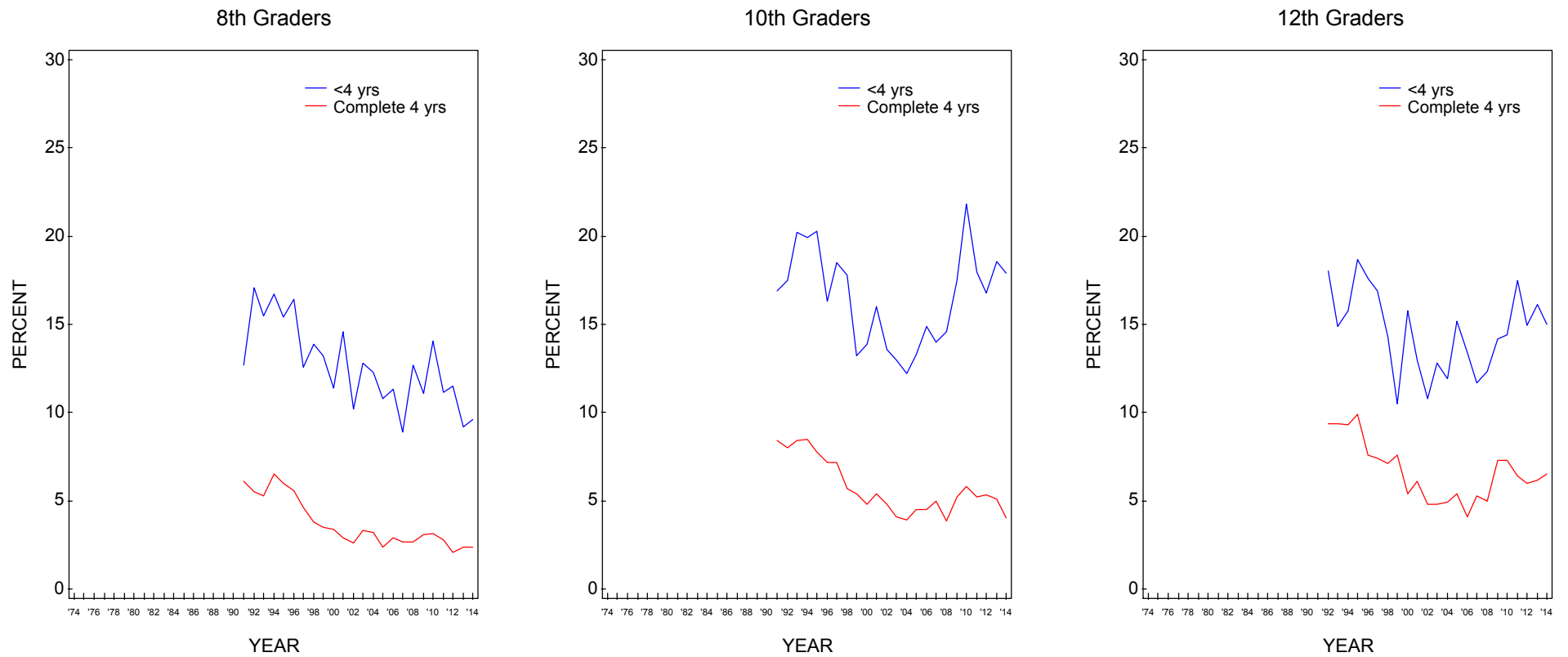
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 313
Smokeless Tobacco: Trends in 30-Day Prevalence by Gender



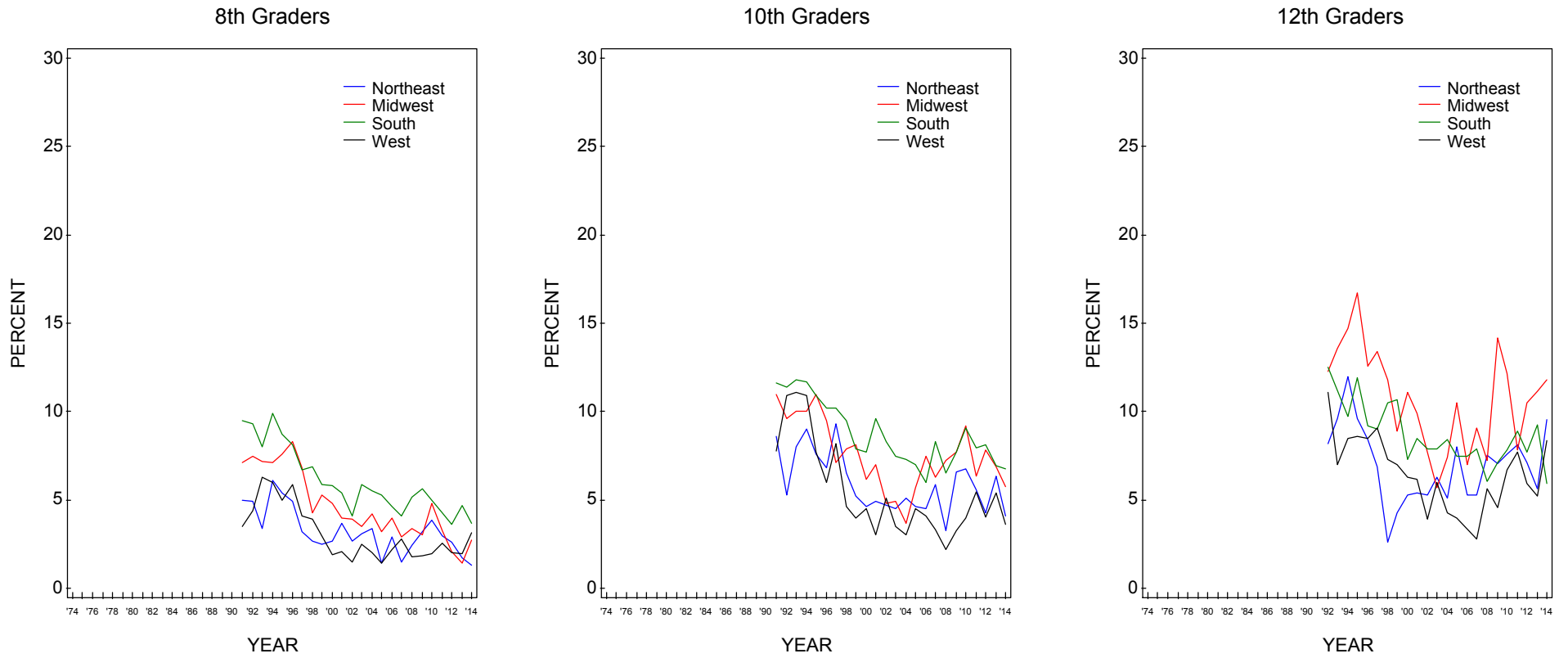
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 314
Smokeless Tobacco: Trends in 30-Day Prevalence by College Plans



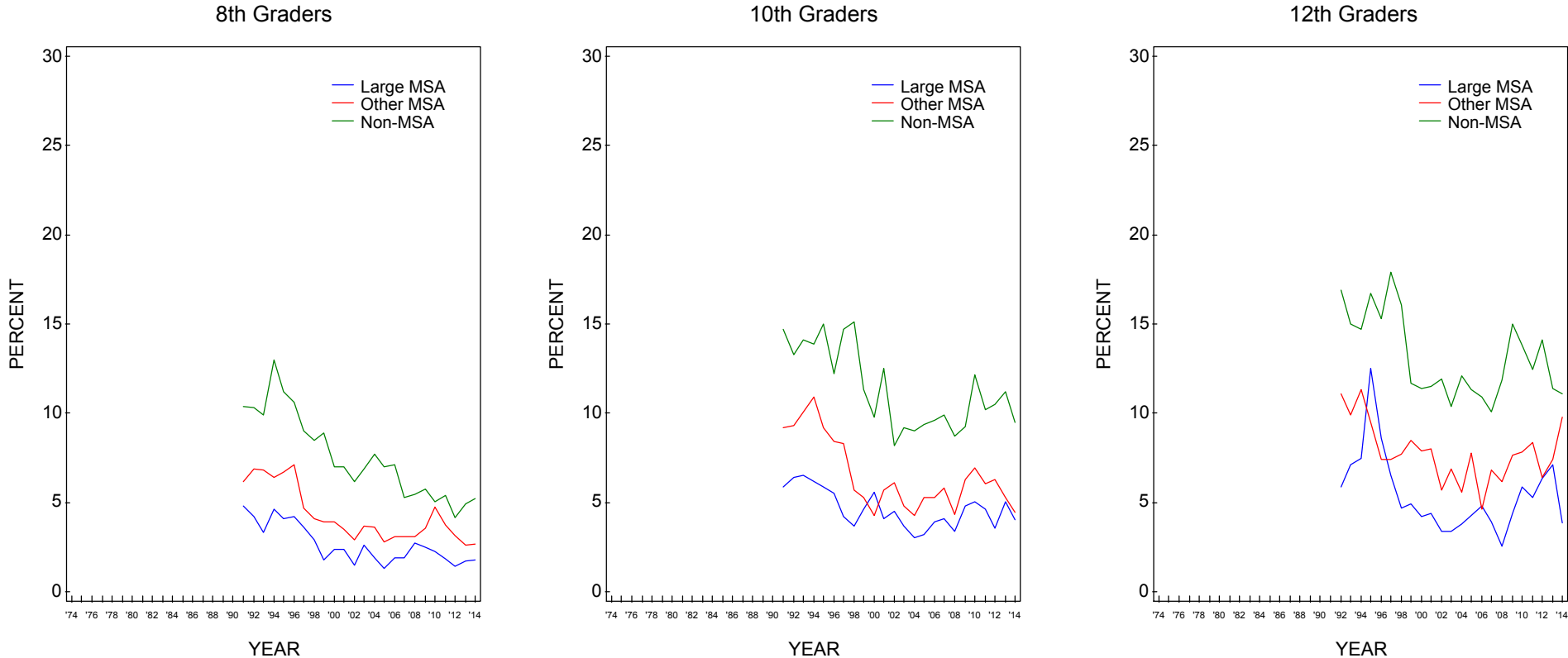
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 315
Smokeless Tobacco: Trends in 30-Day Prevalence by Region



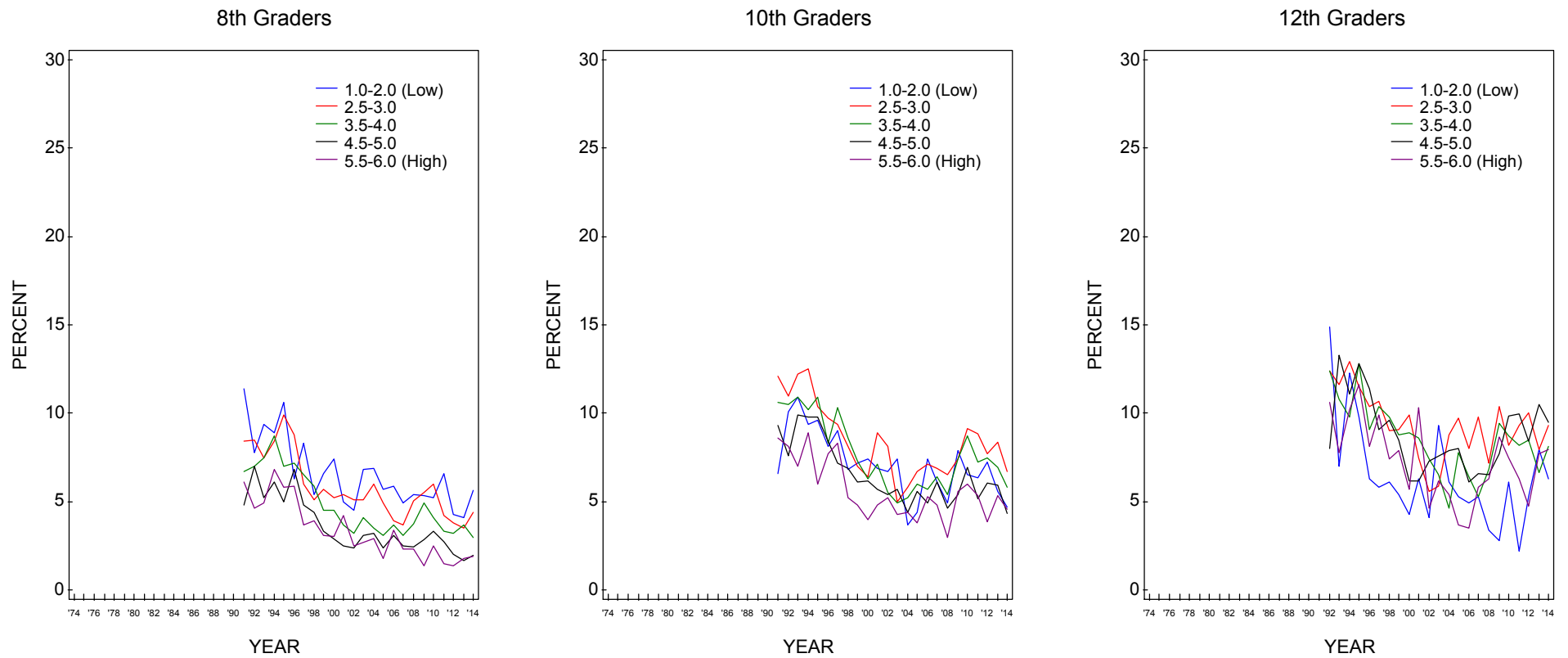
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 316
Smokeless Tobacco: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

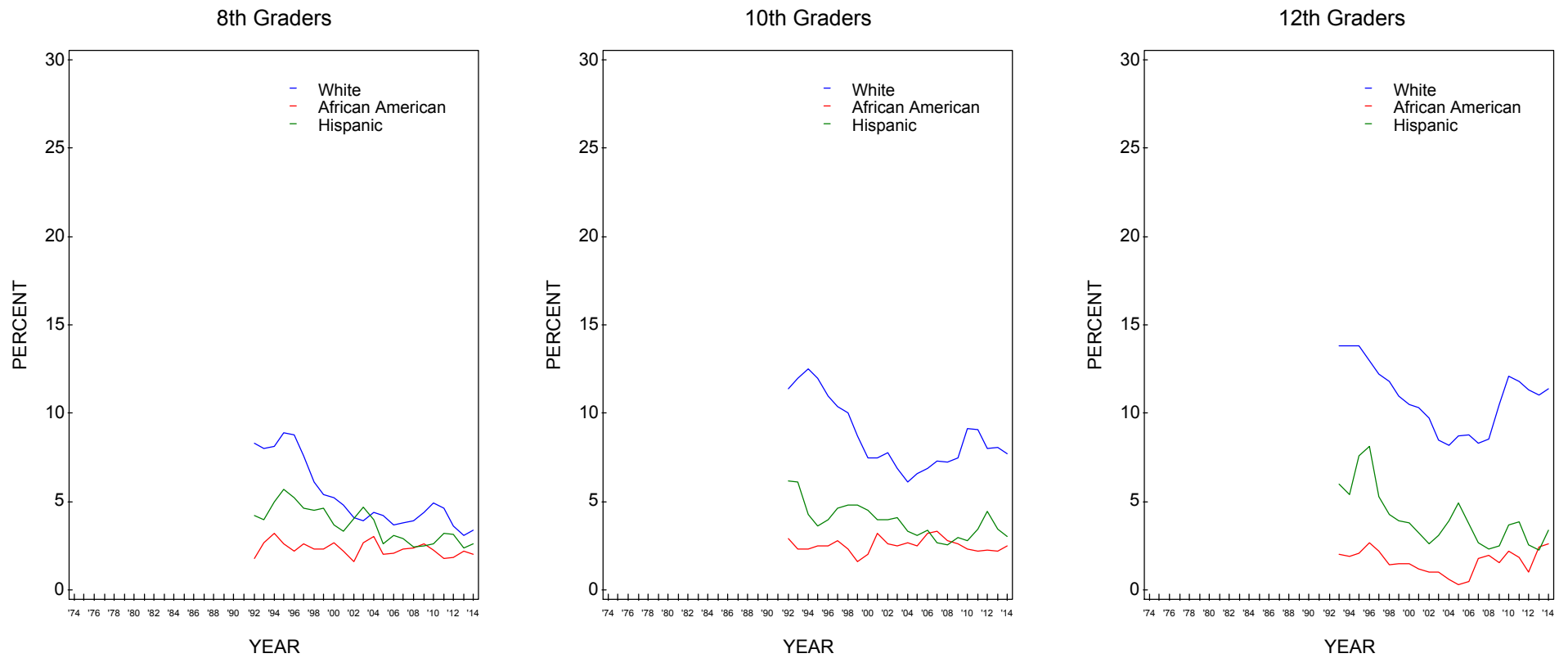
FIGURE 317
Smokeless Tobacco: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

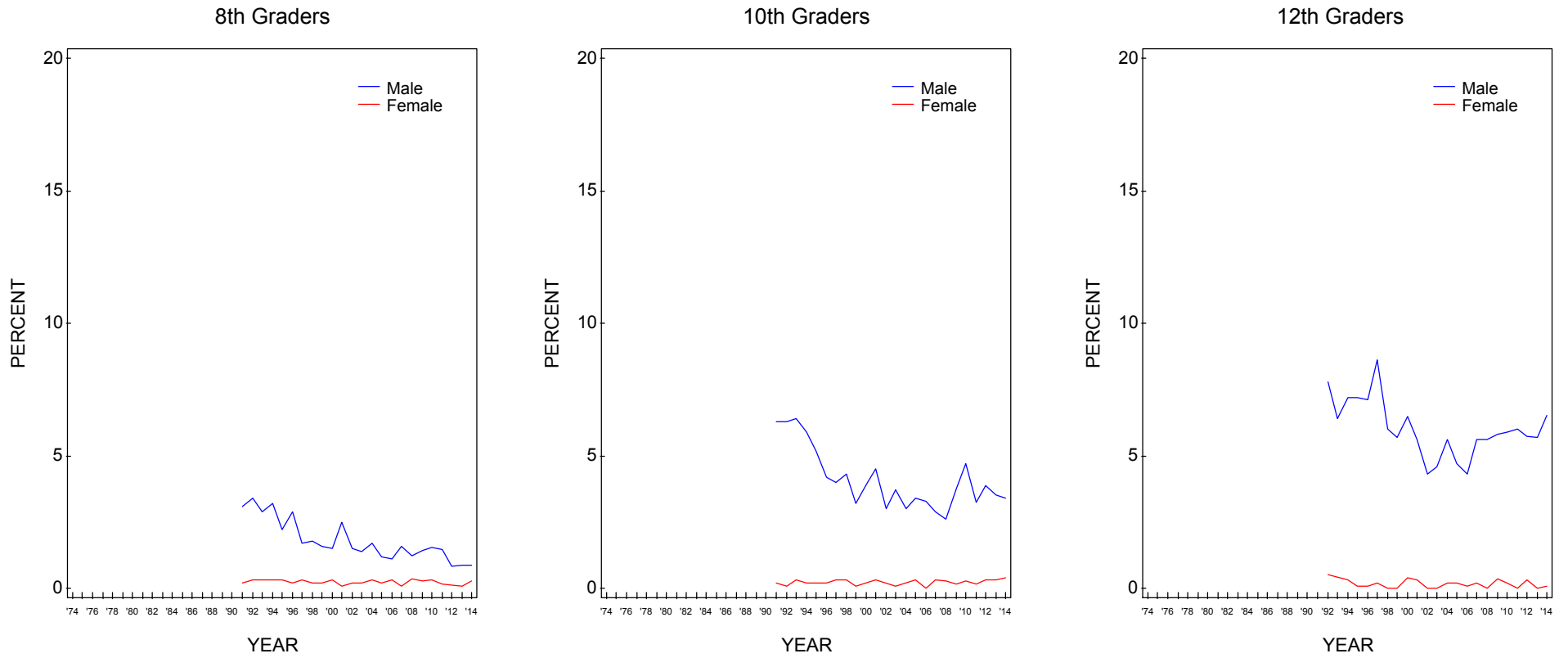
FIGURE 318
Smokeless Tobacco: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

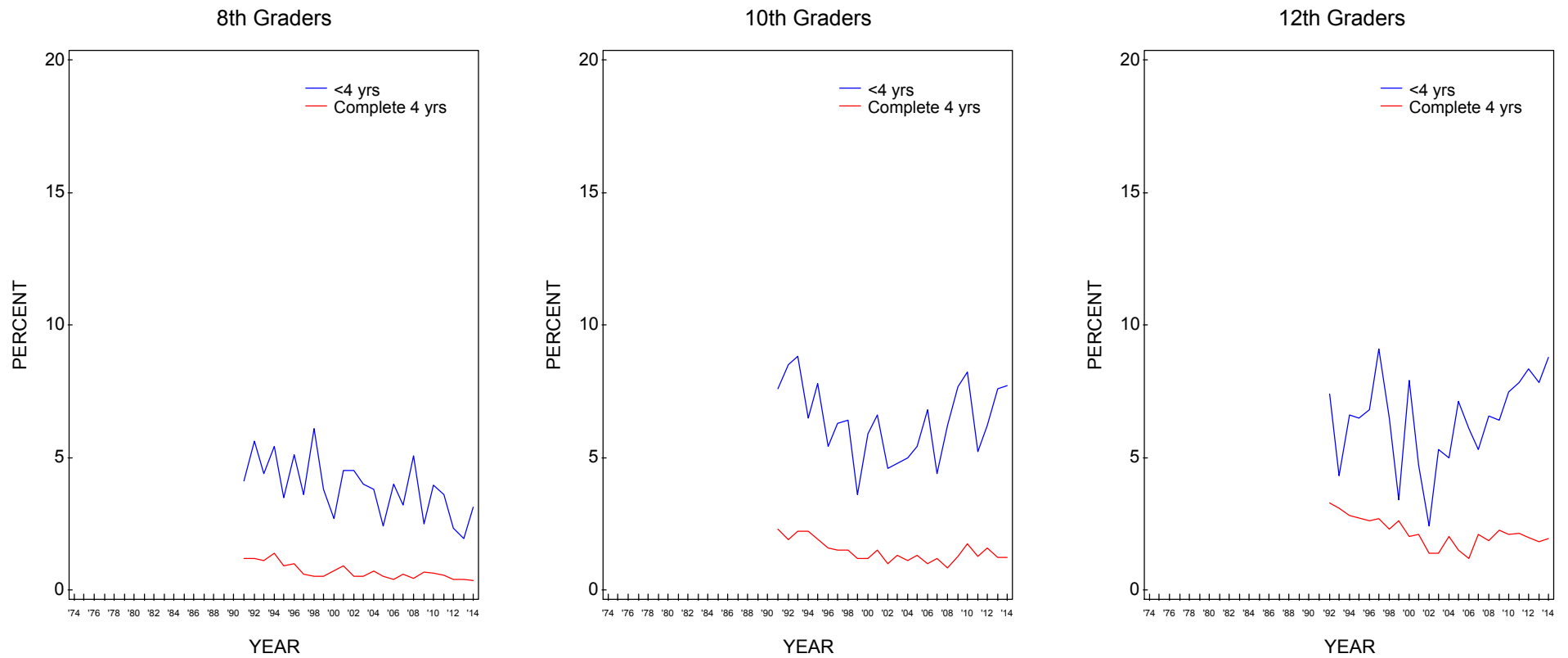
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 319
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Gender



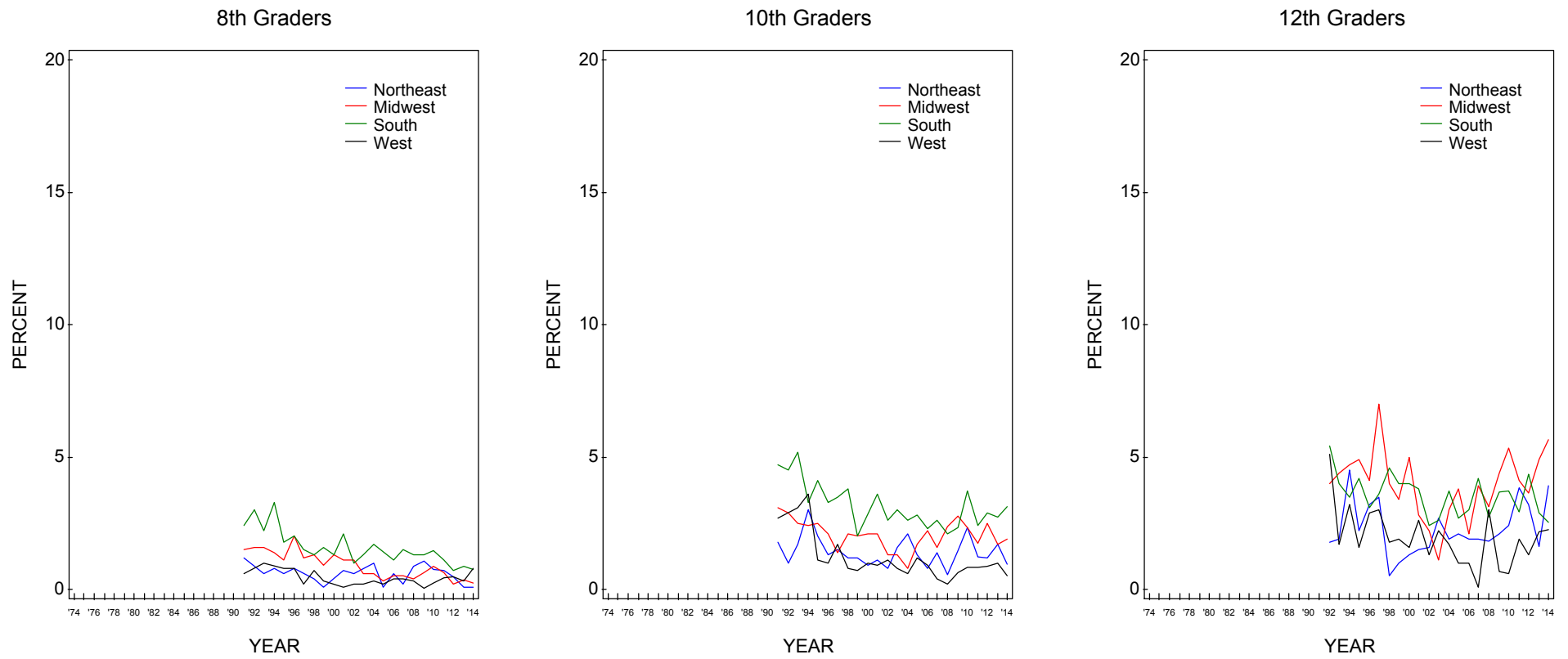
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 320
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by College Plans



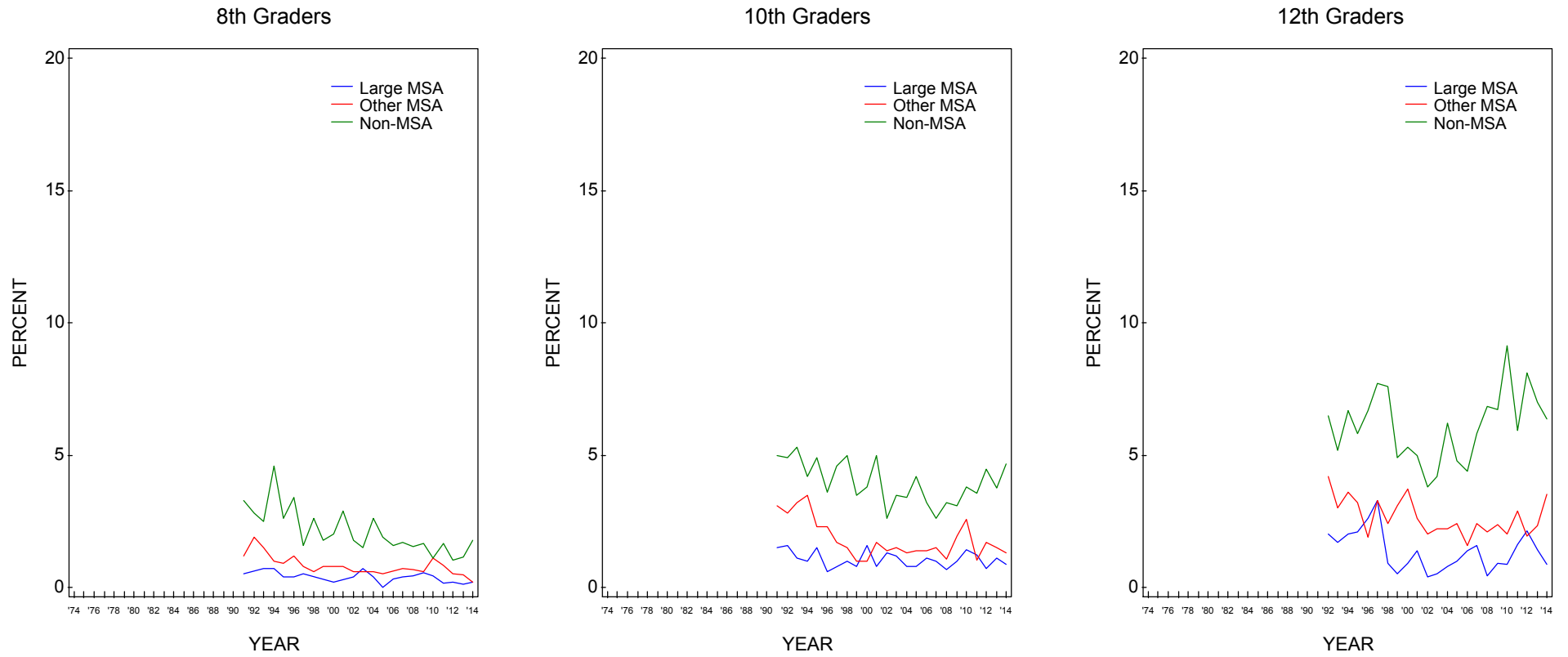
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 321
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Region



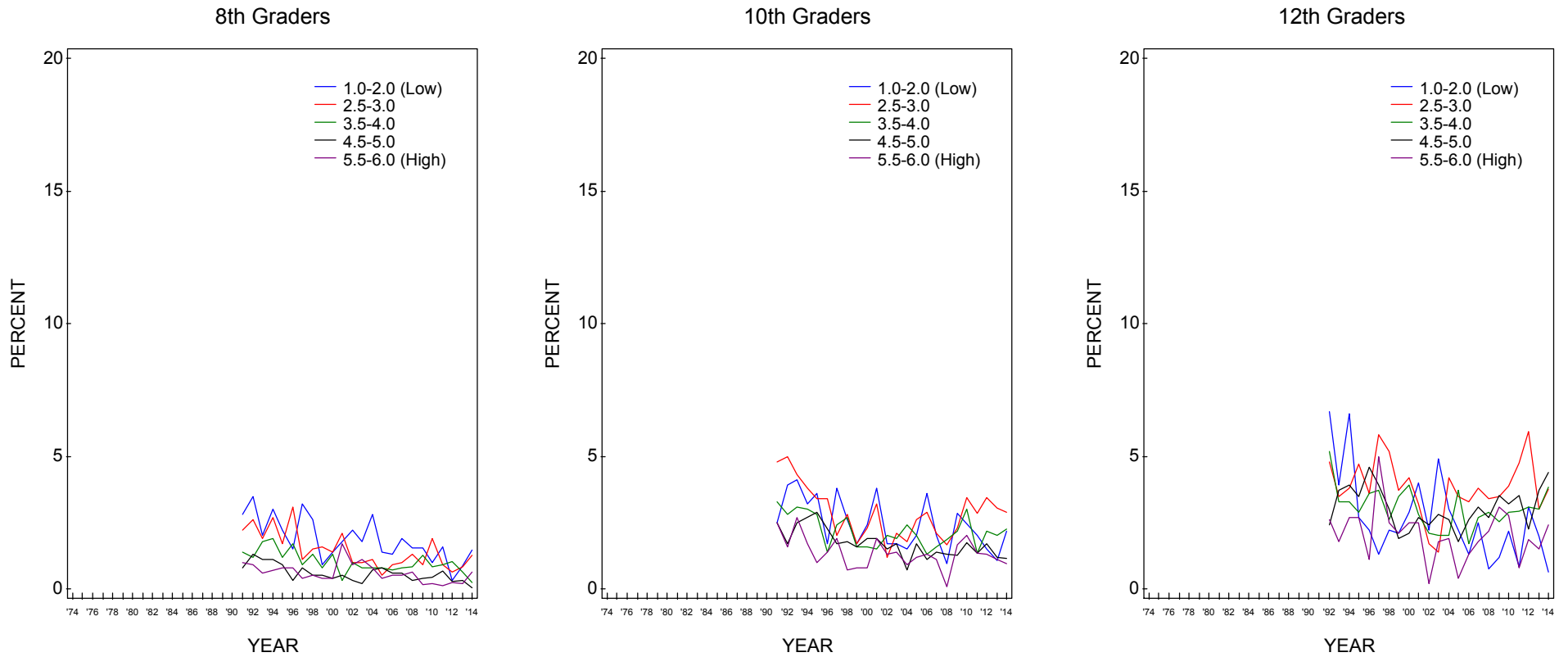
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 322
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Population Density



Source. The Monitoring the Future study, the University of Michigan.

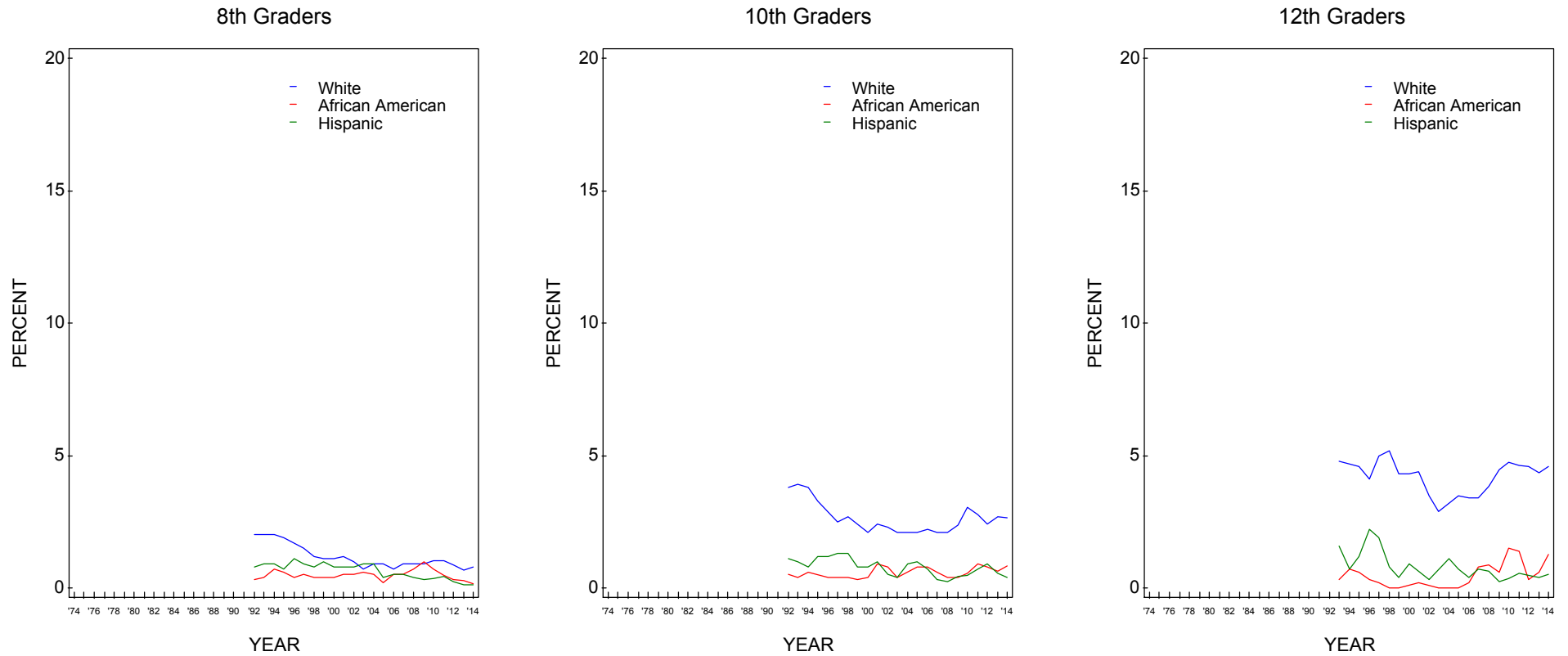
FIGURE 323
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

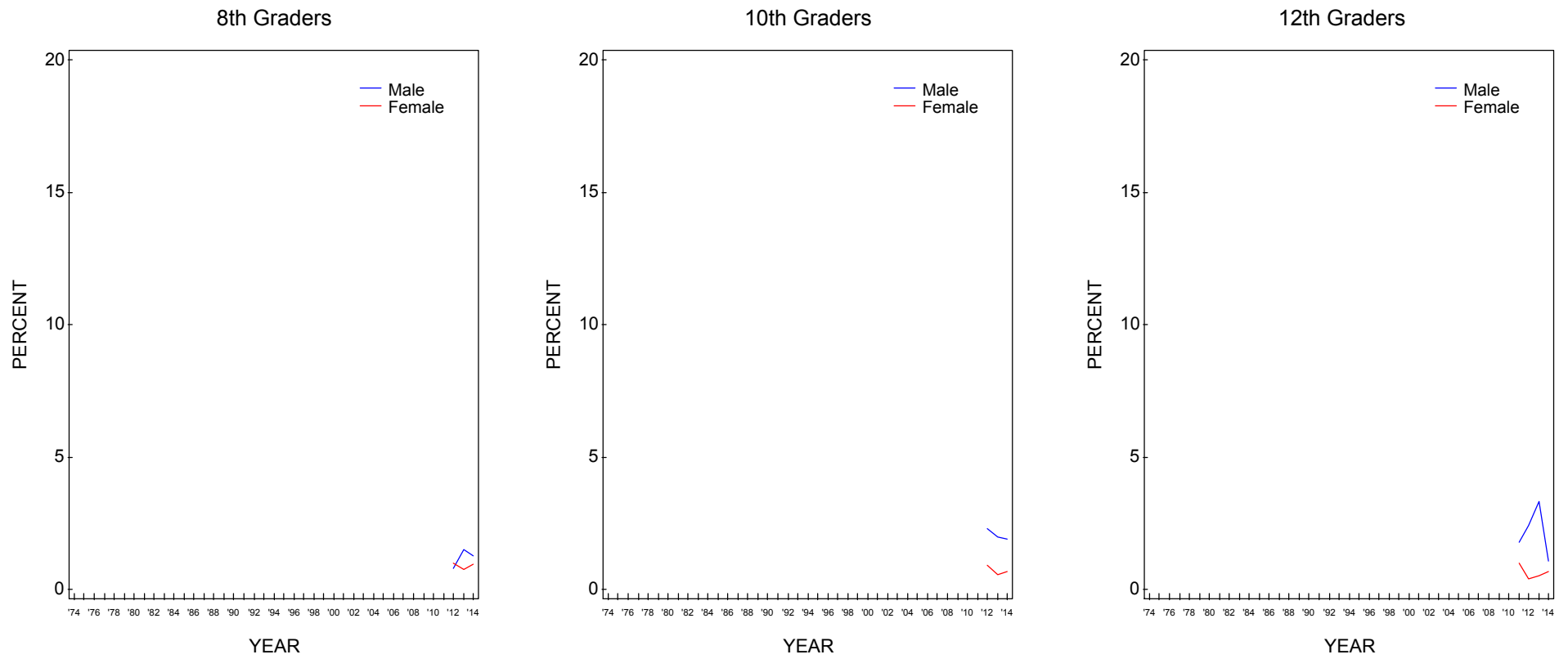
FIGURE 324
Smokeless Tobacco: Trends in 30-Day Prevalence of Daily Use by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

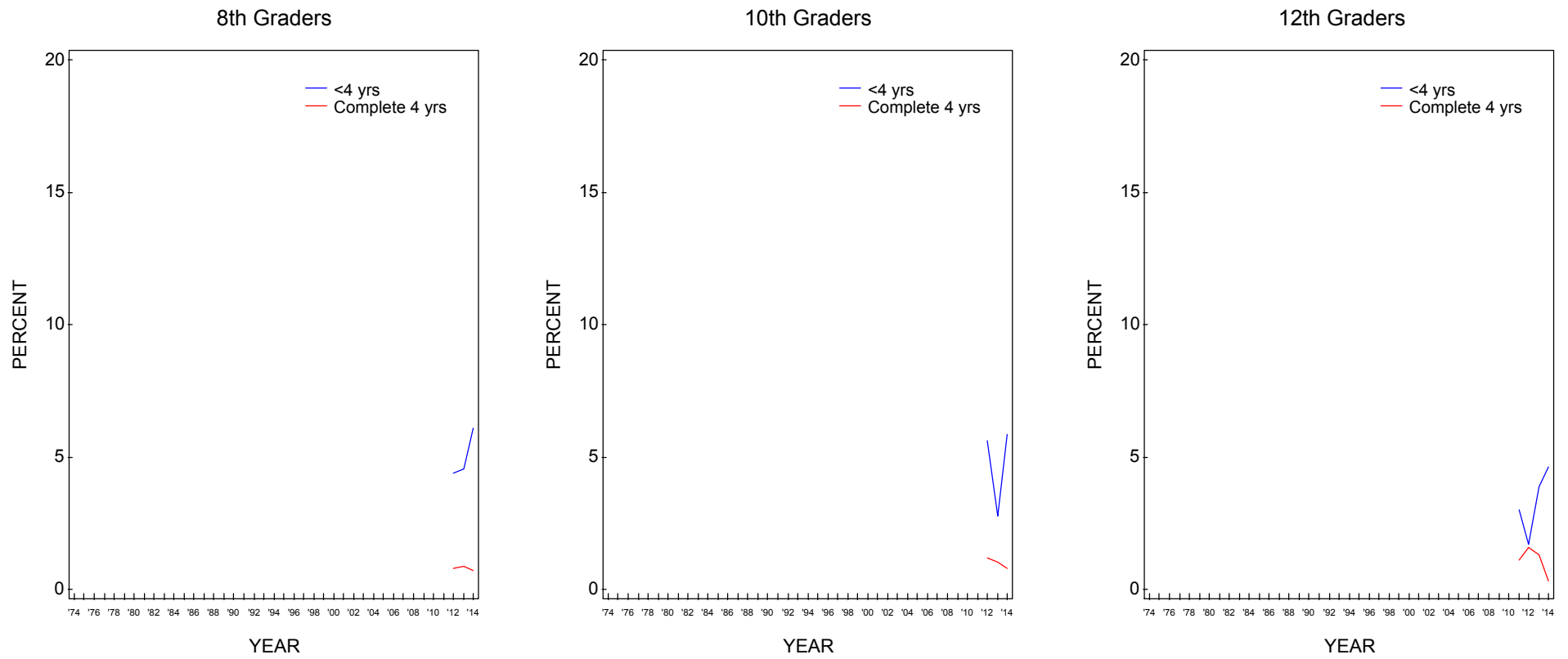
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 325
Dissolvable Tobacco Products: Trends in Annual Prevalence by Gender



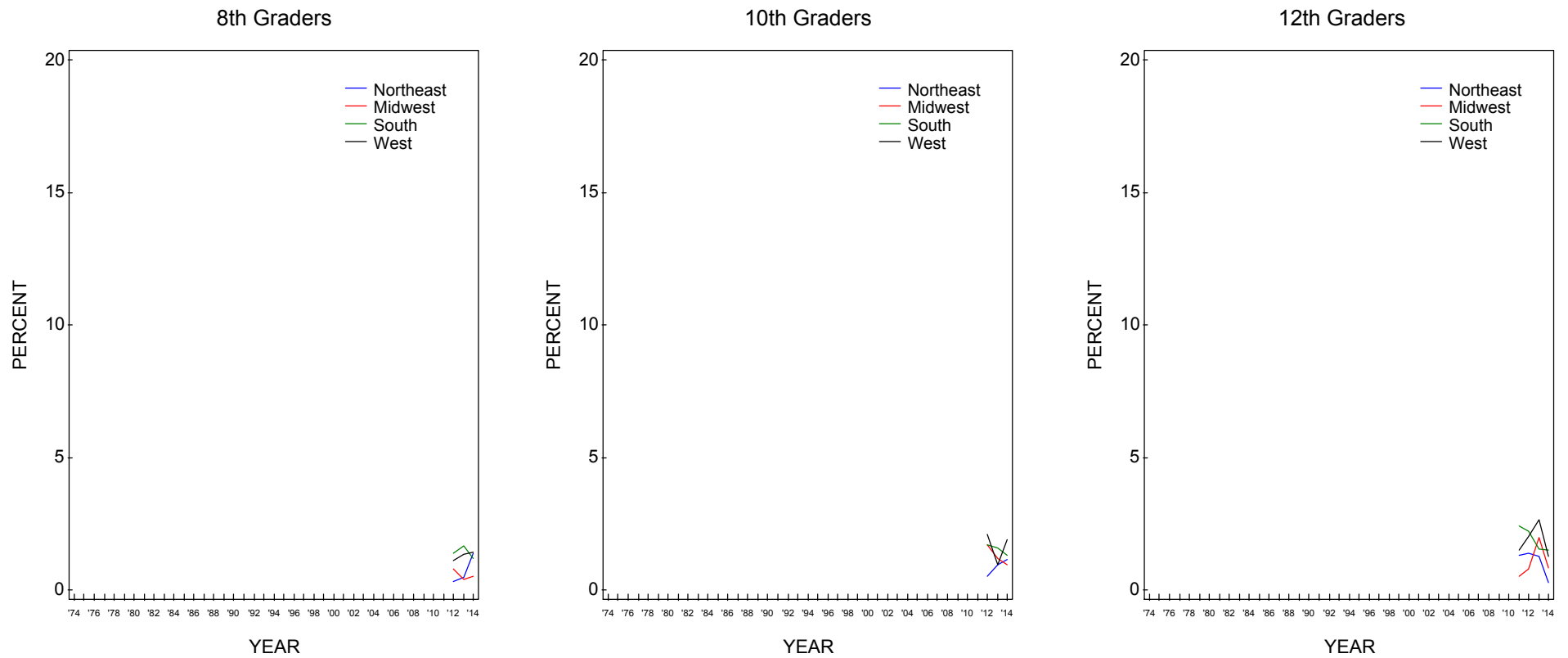
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 326
Dissolvable Tobacco Products: Trends in Annual Prevalence by College Plans



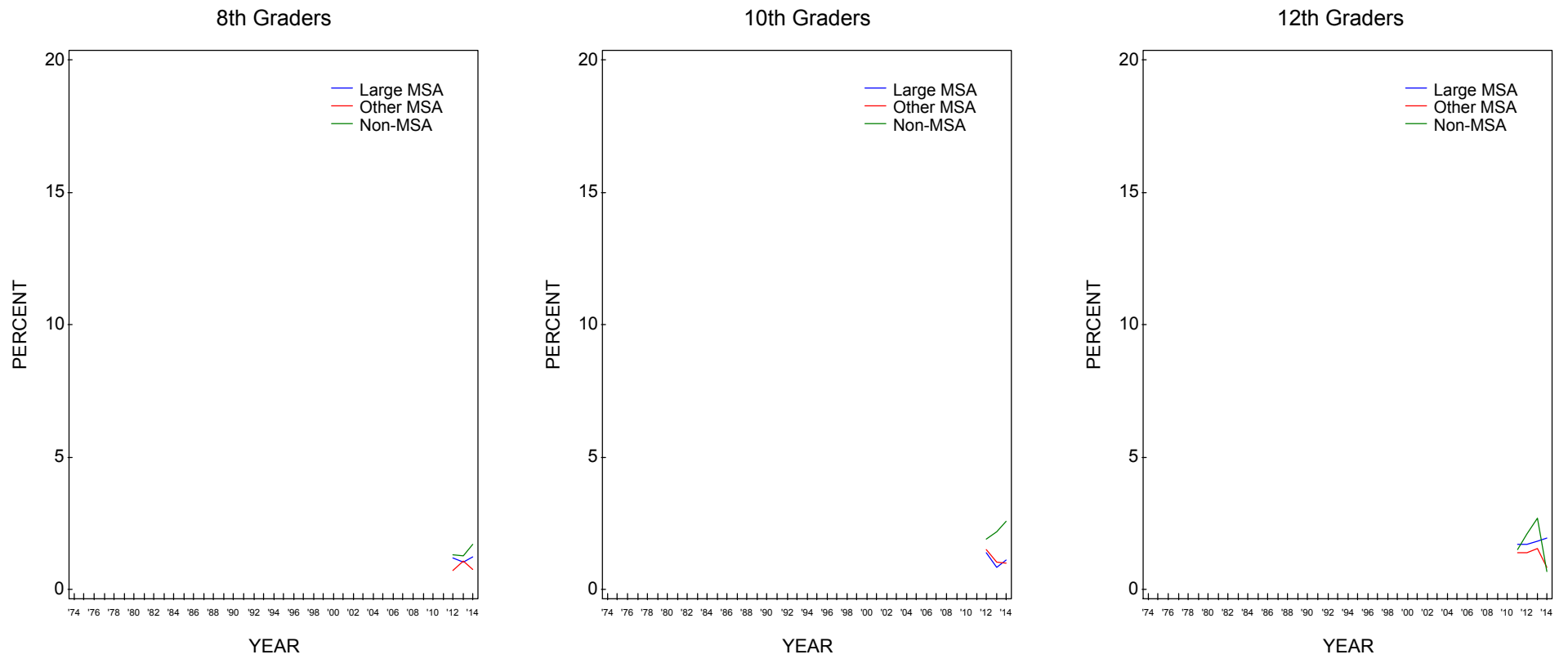
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 327
Dissolvable Tobacco Products: Trends in Annual Prevalence by Region



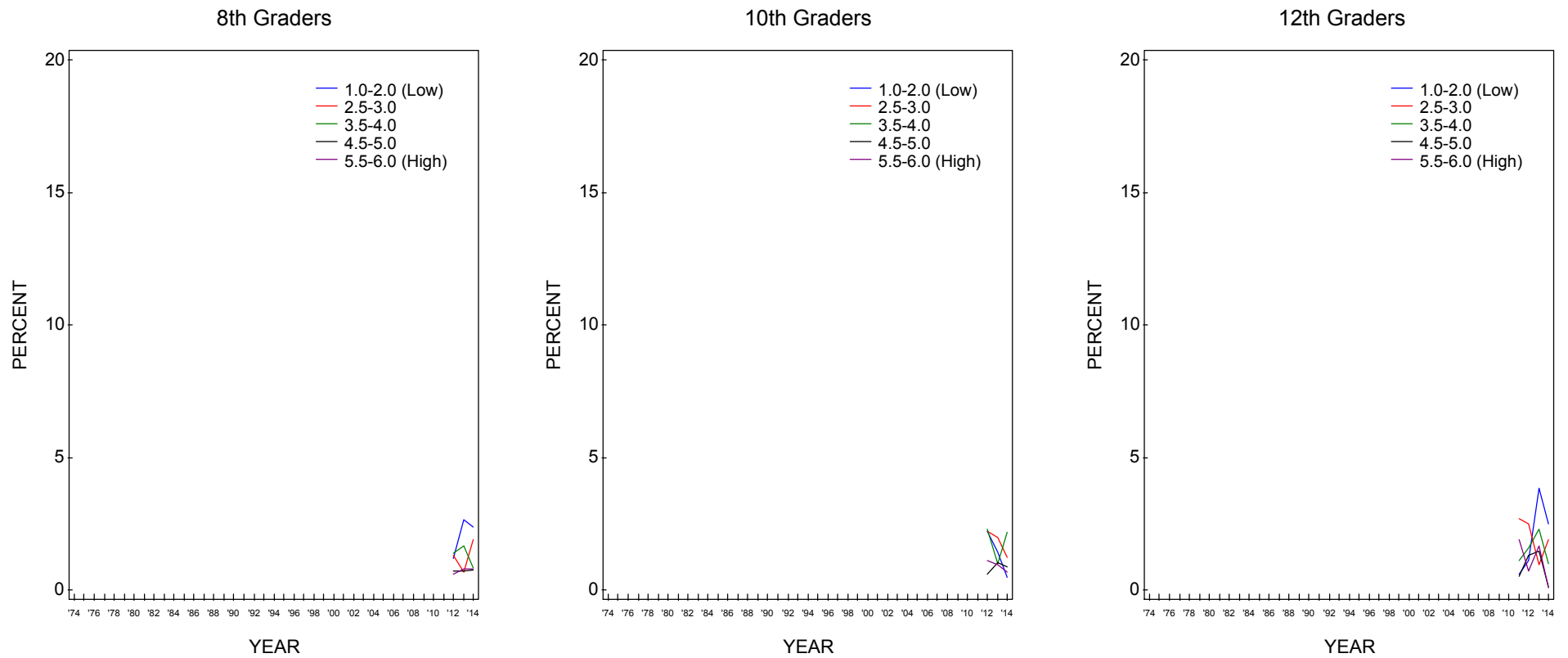
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 328
Dissolvable Tobacco Products: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

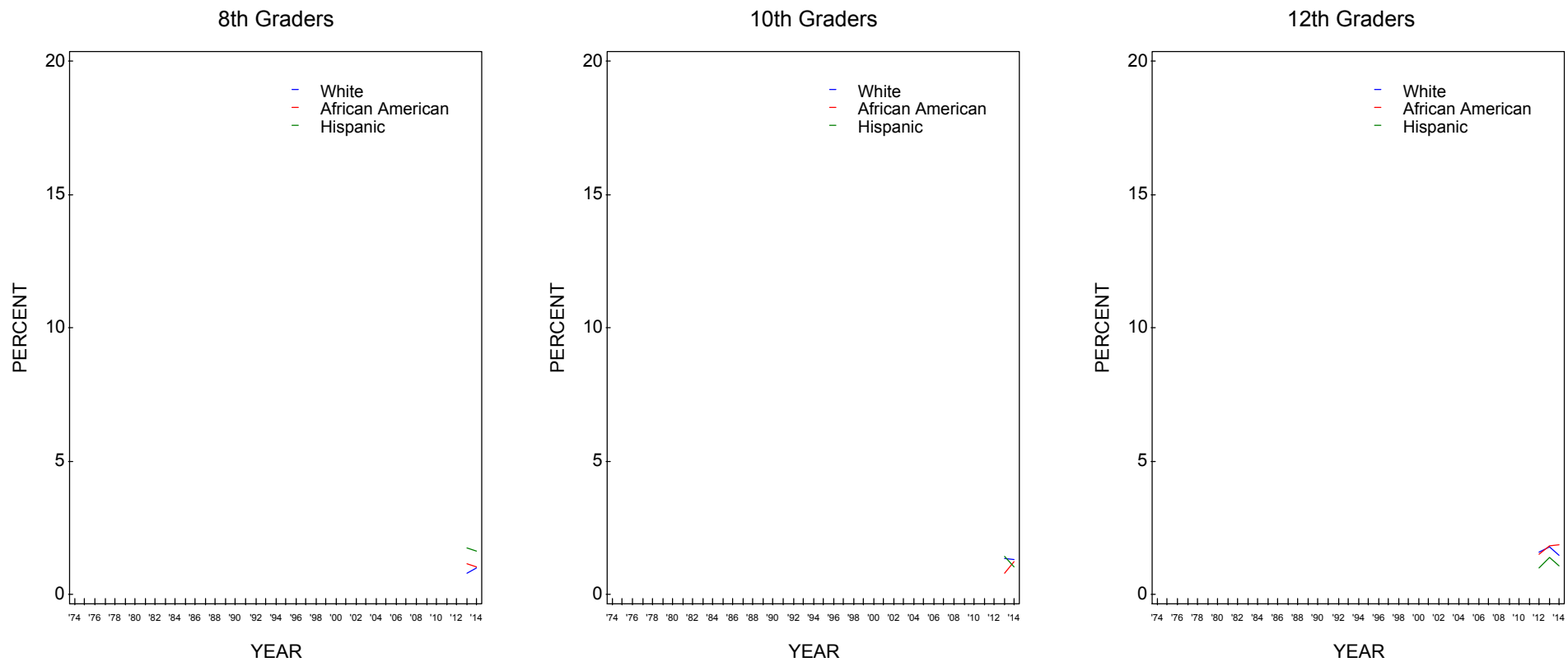
FIGURE 329
Dissolvable Tobacco Products: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

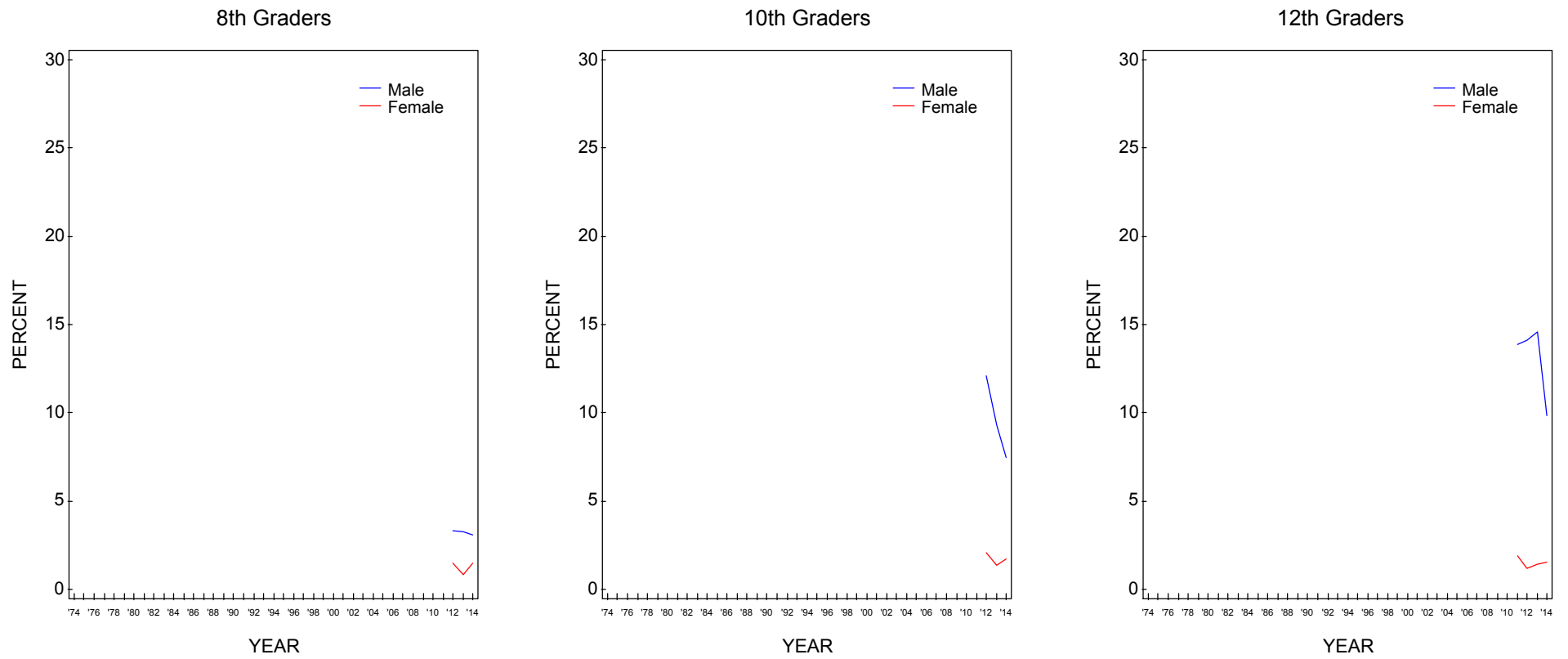
FIGURE 330
Dissolvable Tobacco Products: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

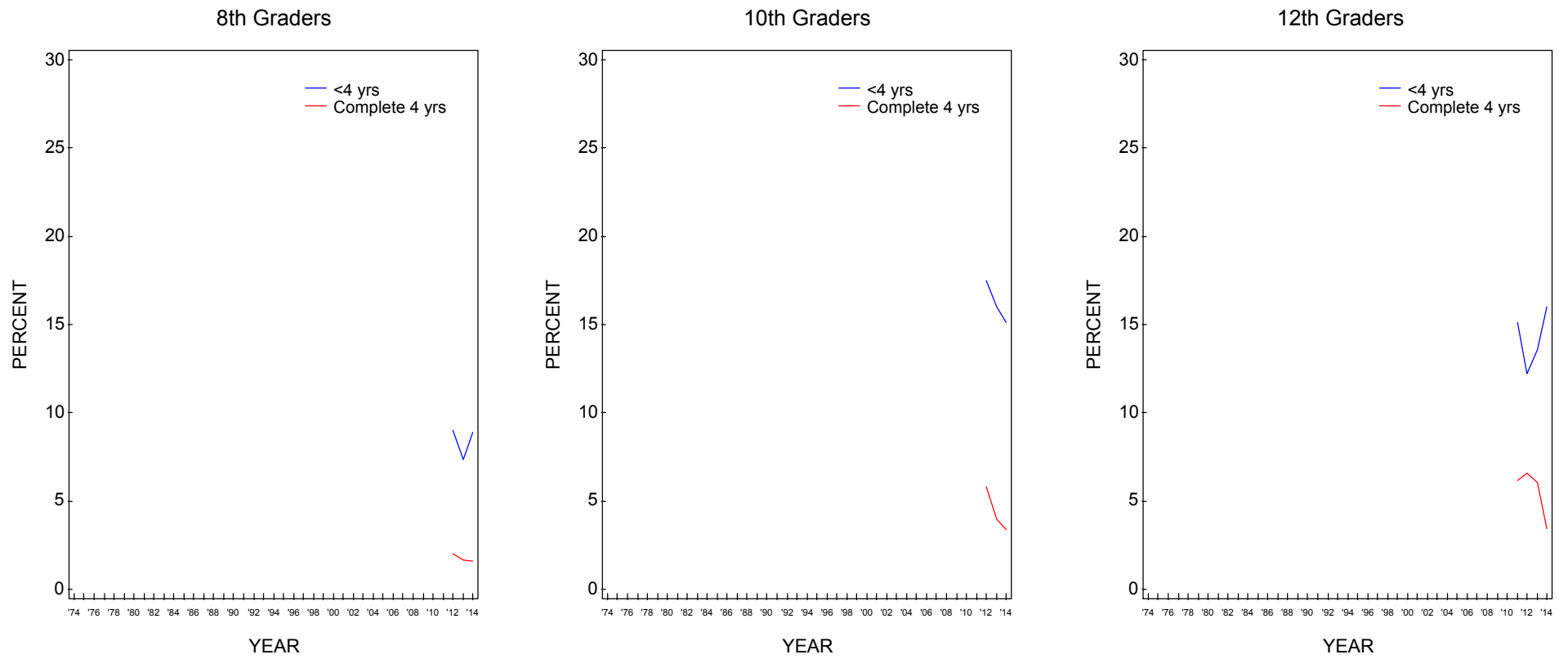
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 331
Snus: Trends in Annual Prevalence by Gender



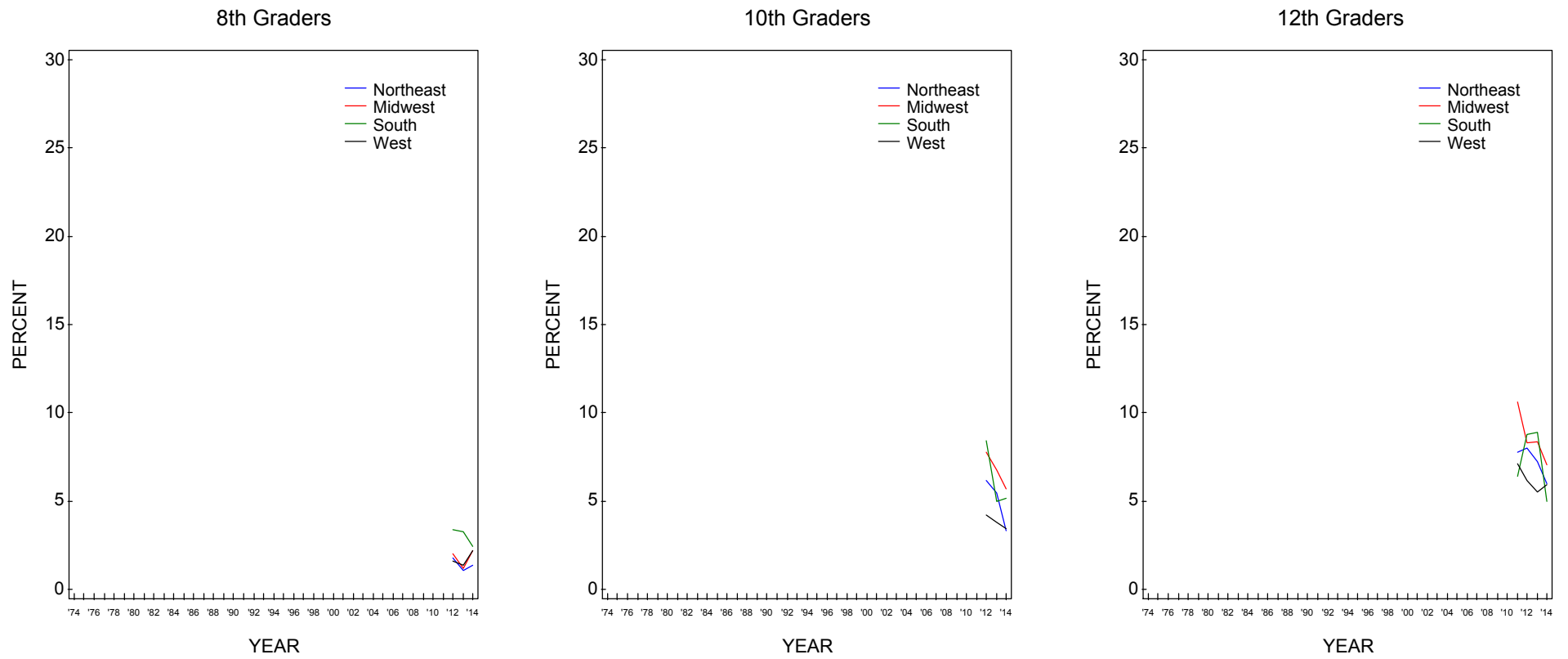
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 332
Snus: Trends in Annual Prevalence by College Plans



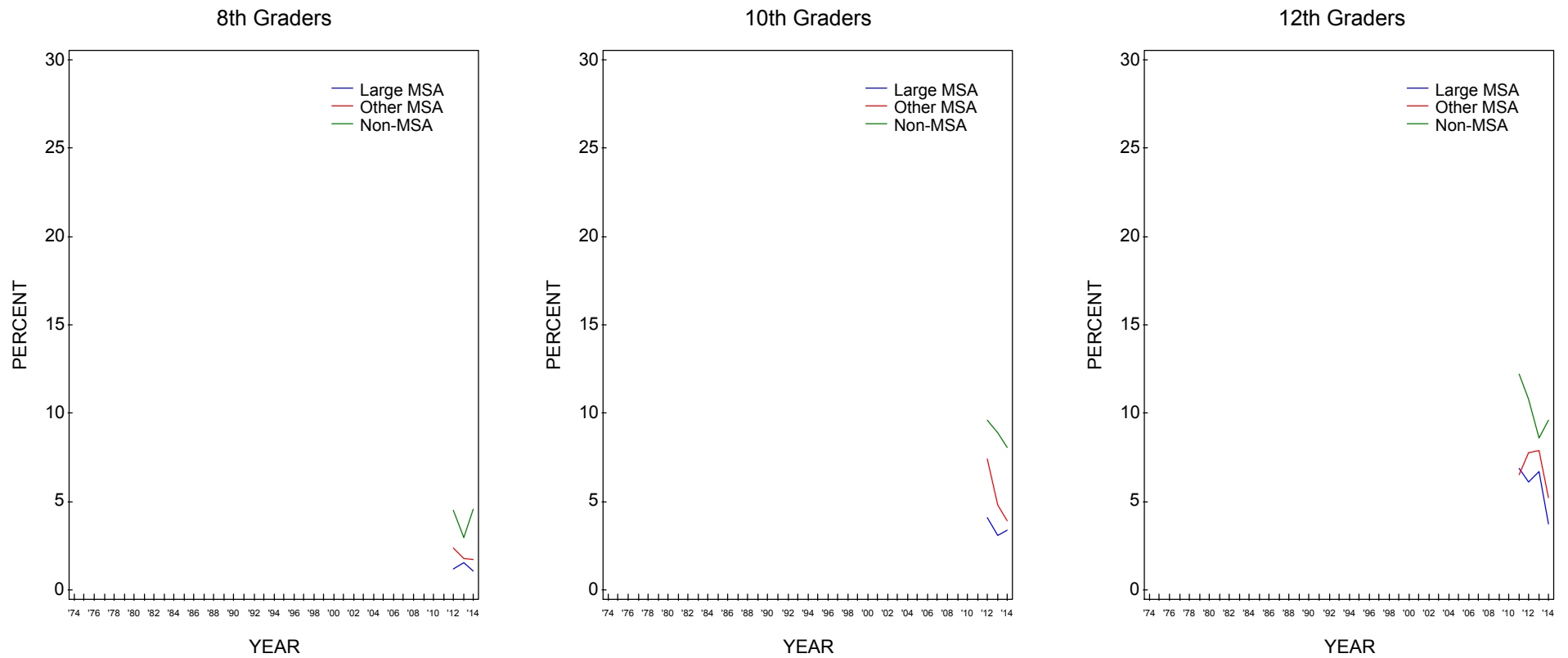
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 333
Snus: Trends in Annual Prevalence by Region



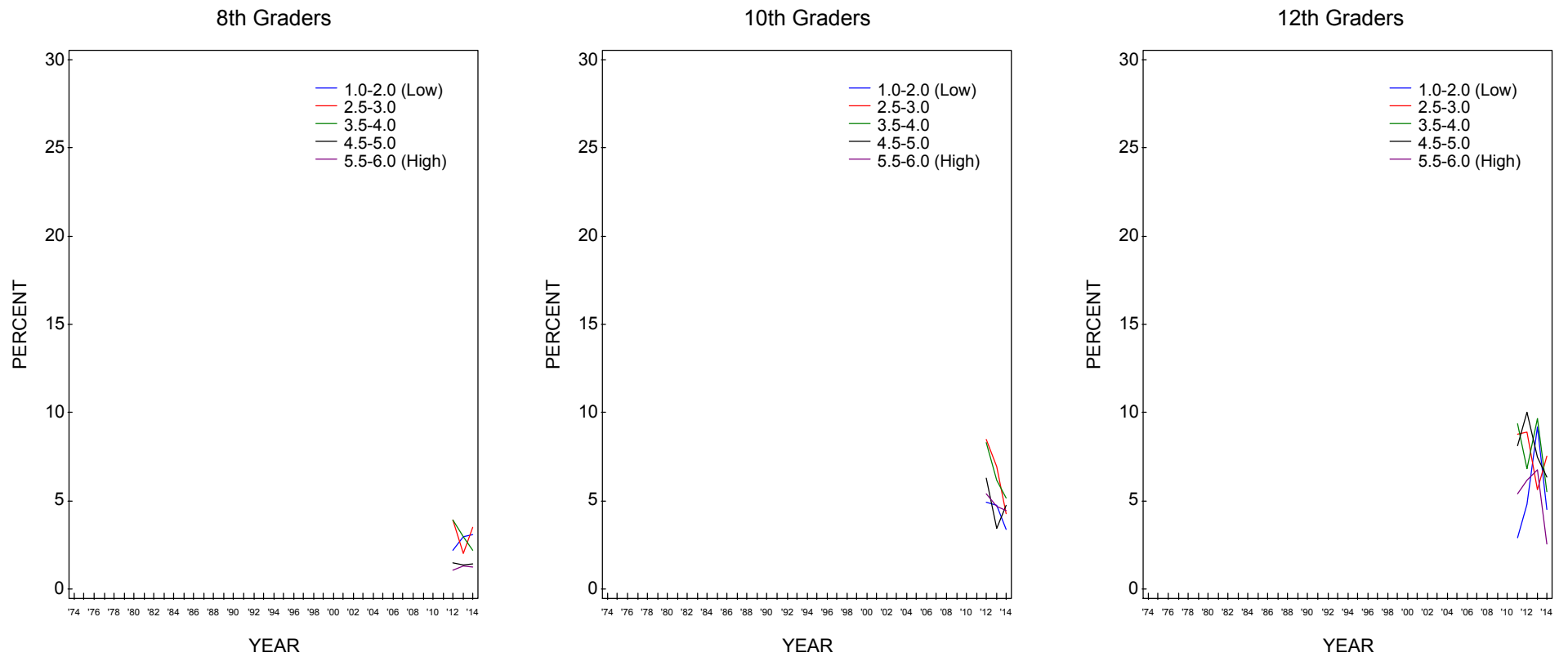
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 334
Snus: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

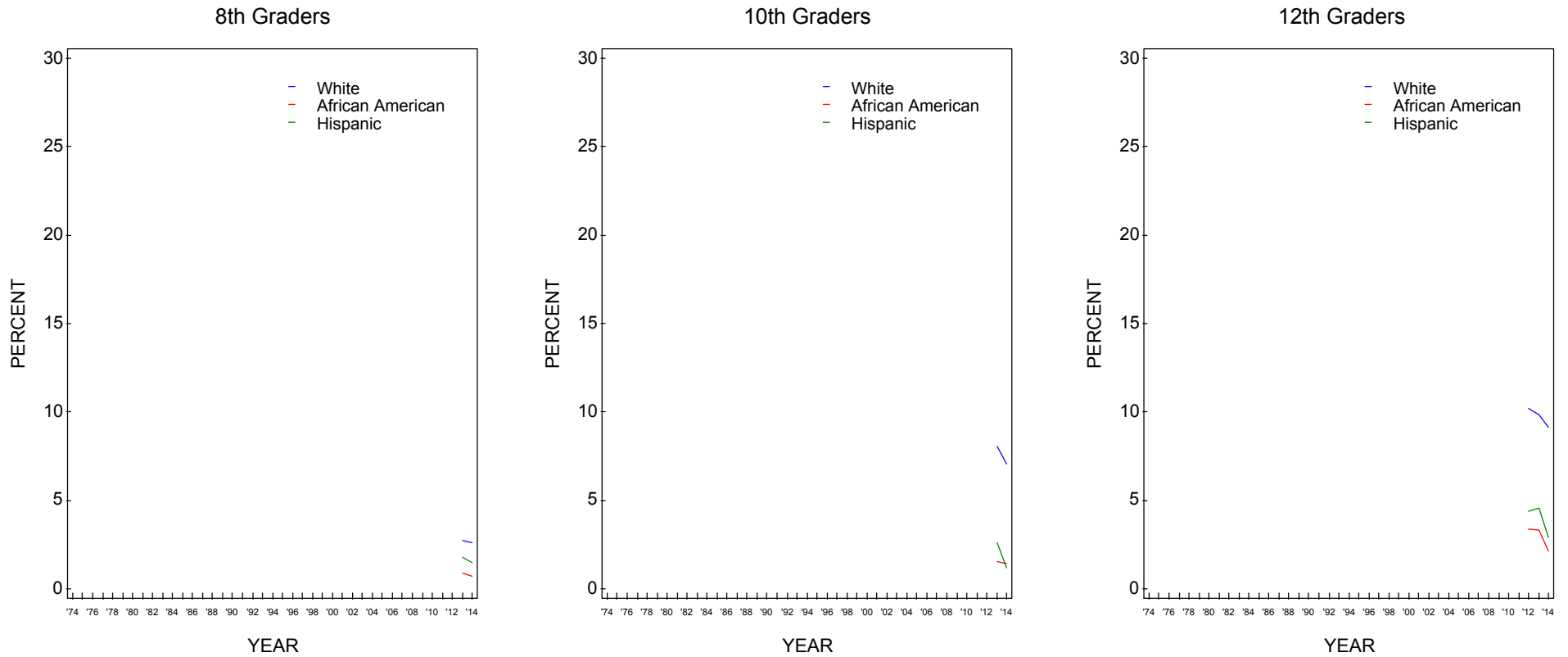
FIGURE 335
Snus: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

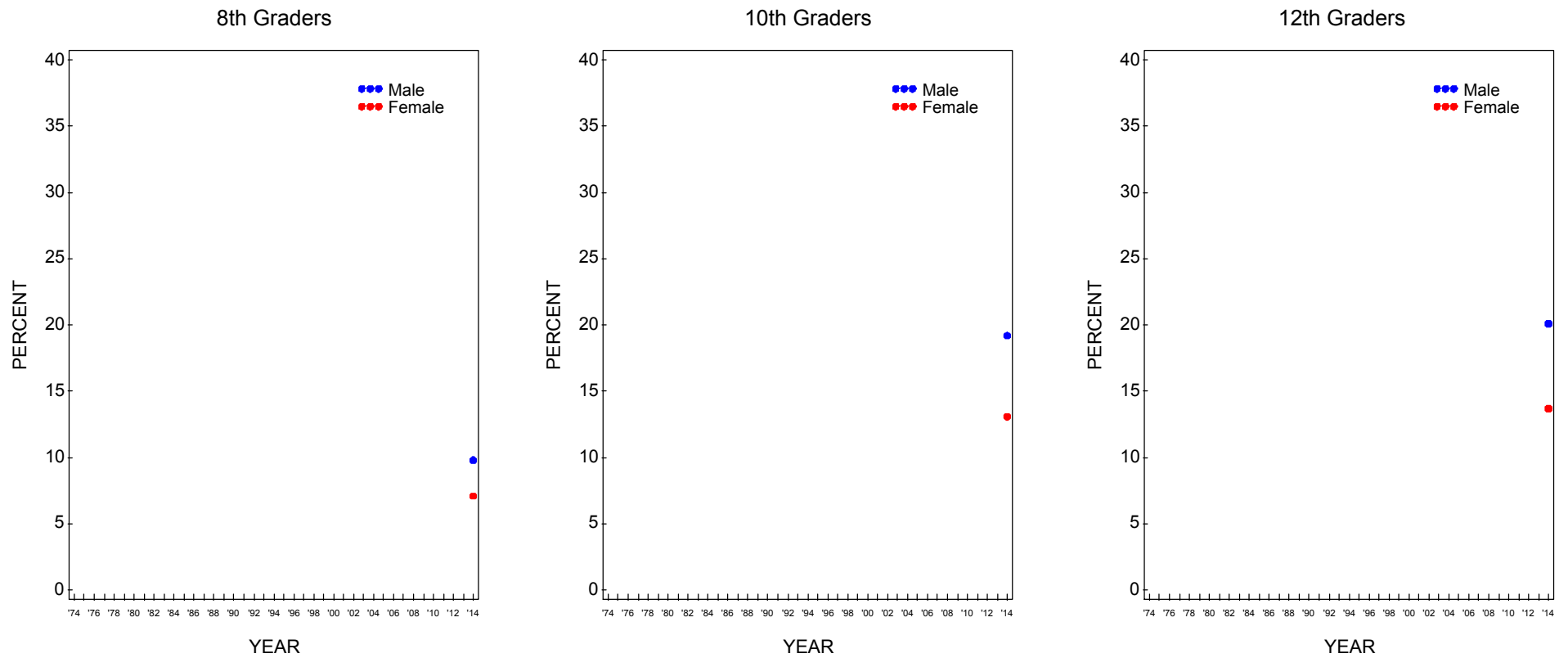
FIGURE 336
Snus: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

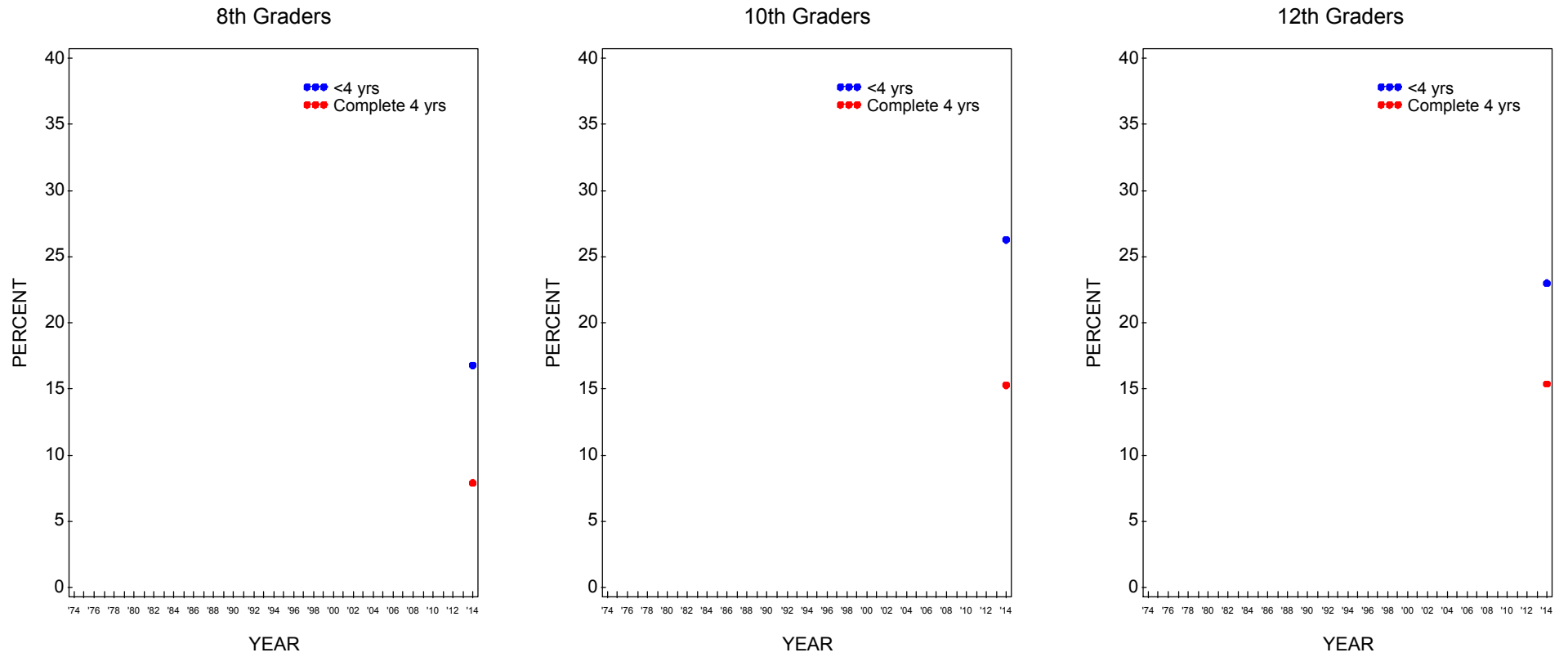
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 337
E-Cigarettes: Trends in 30-Day Prevalence by Gender



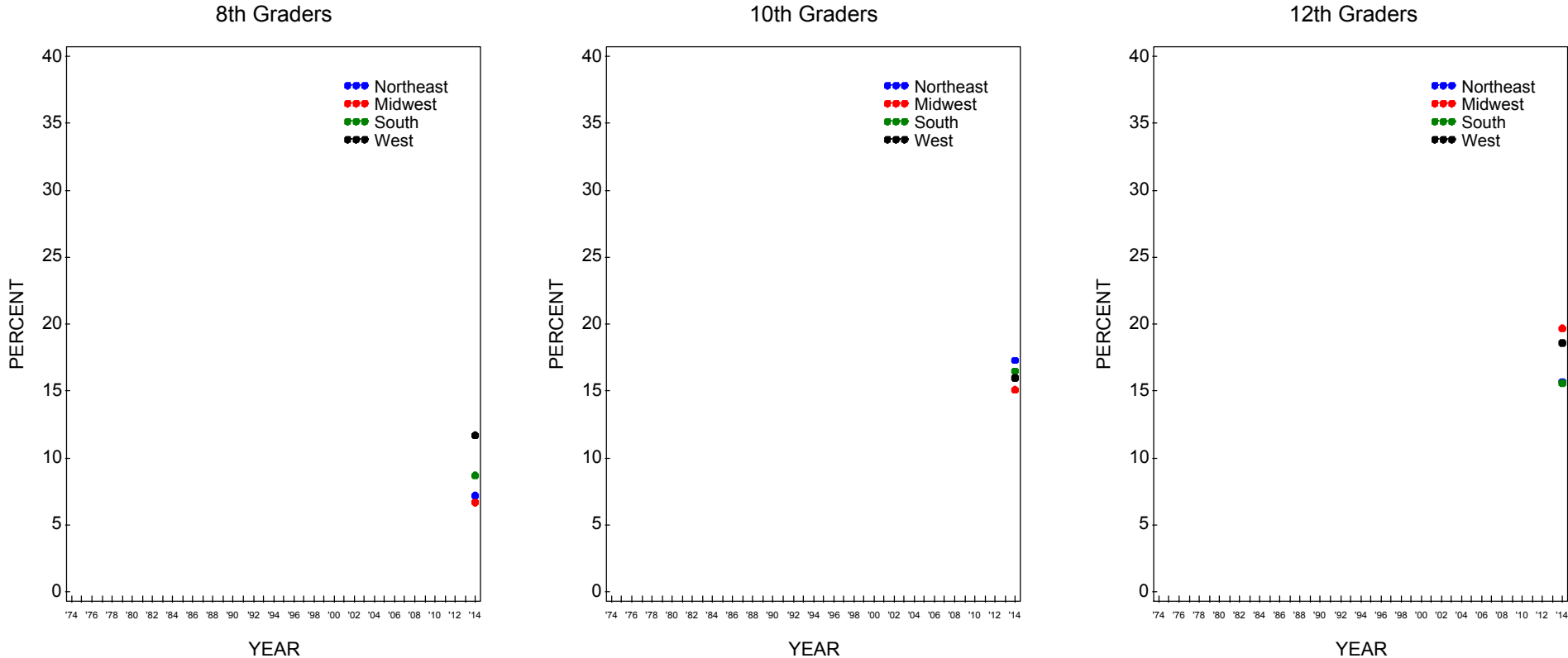
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 338
E-Cigarettes: Trends in 30-Day Prevalence by College Plans



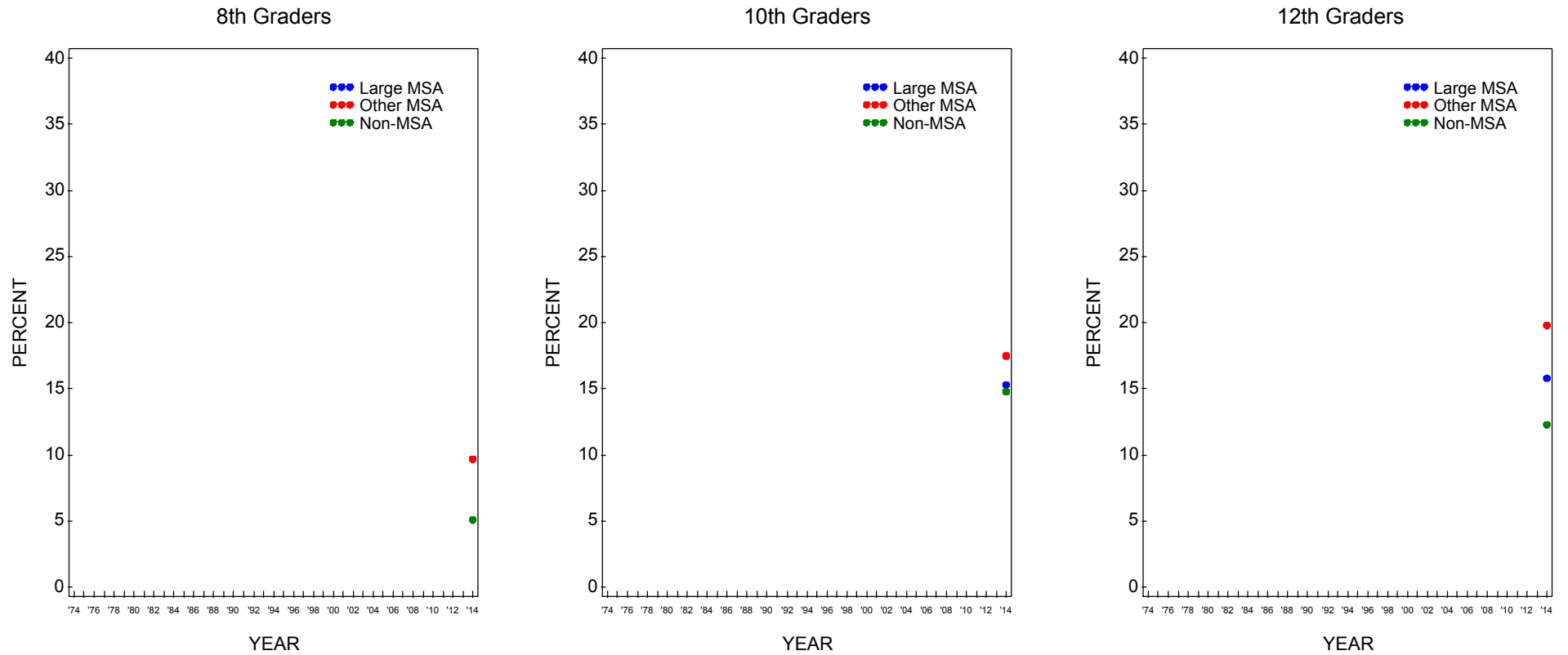
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 339
E-Cigarettes: Trends in 30-Day Prevalence by Region



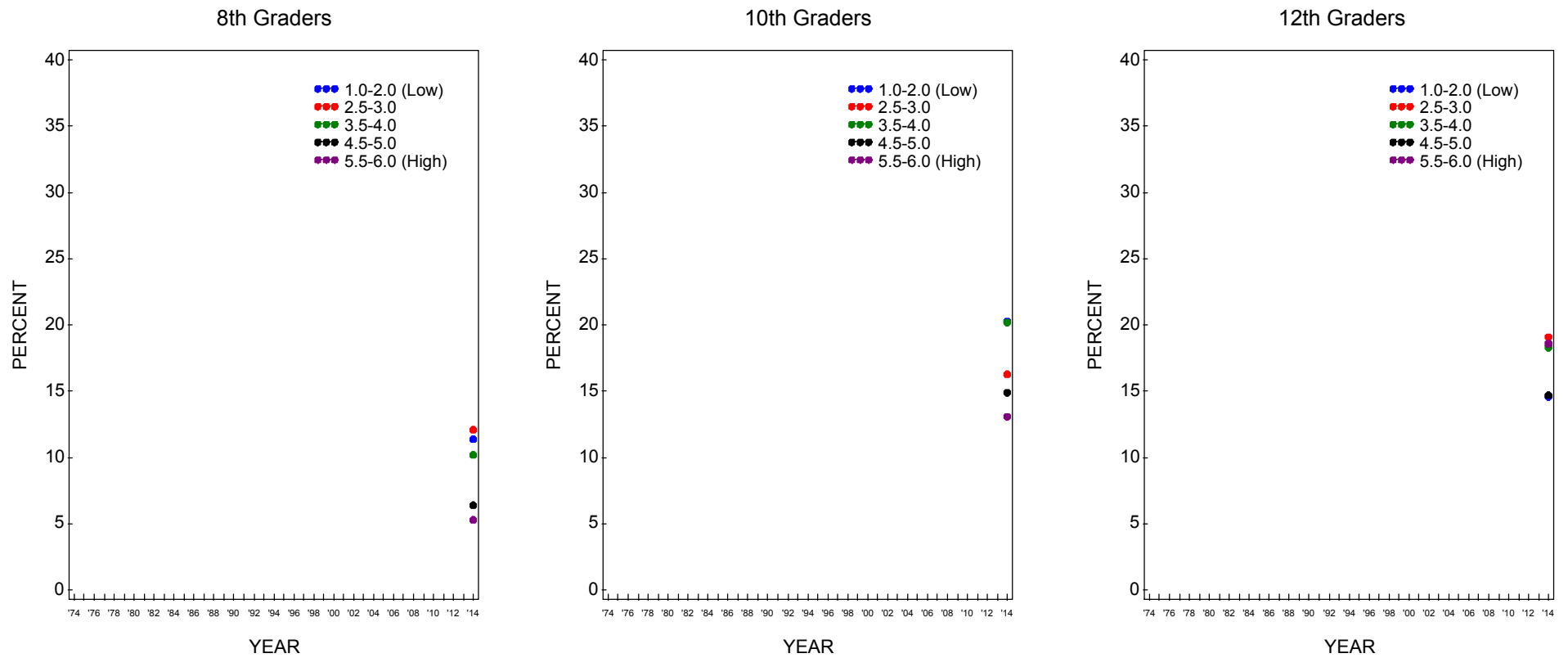
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 340
E-Cigarettes: Trends in 30-Day Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

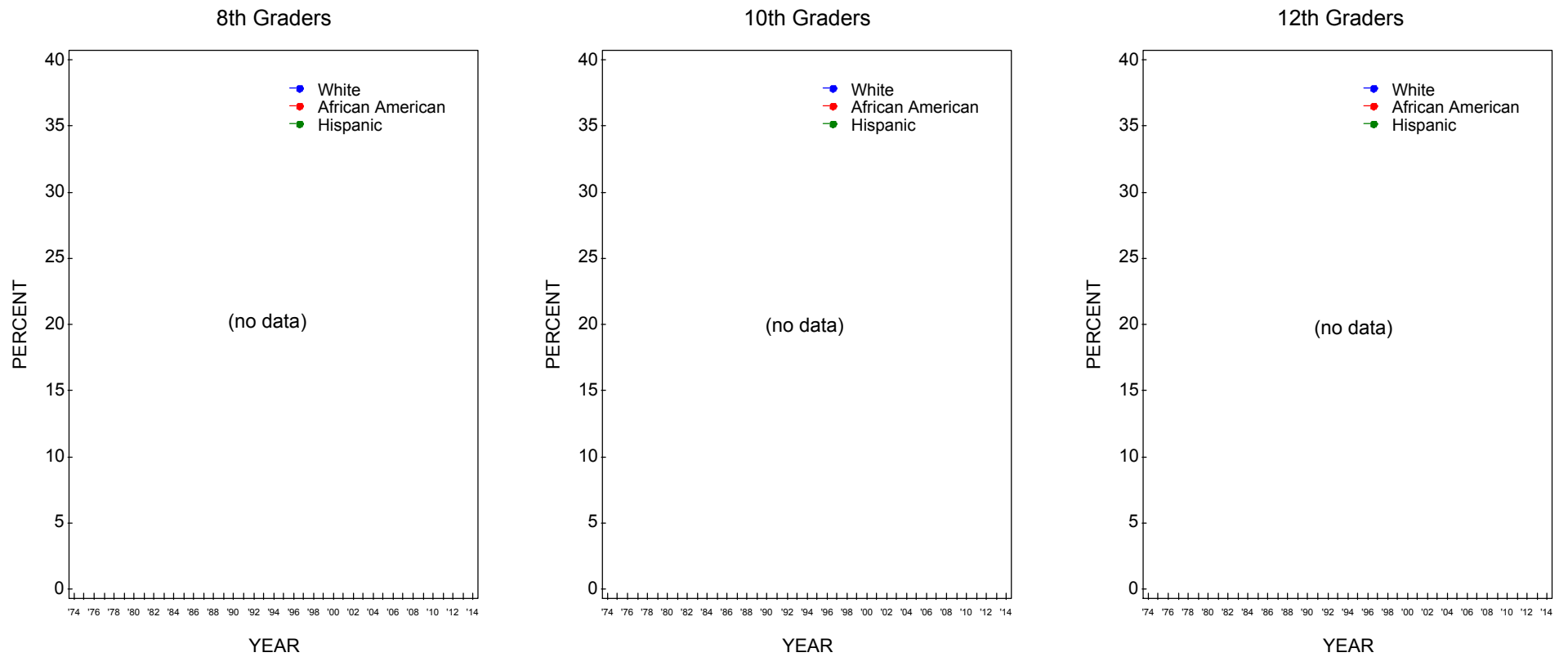
FIGURE 341
E-Cigarettes: Trends in 30-Day Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

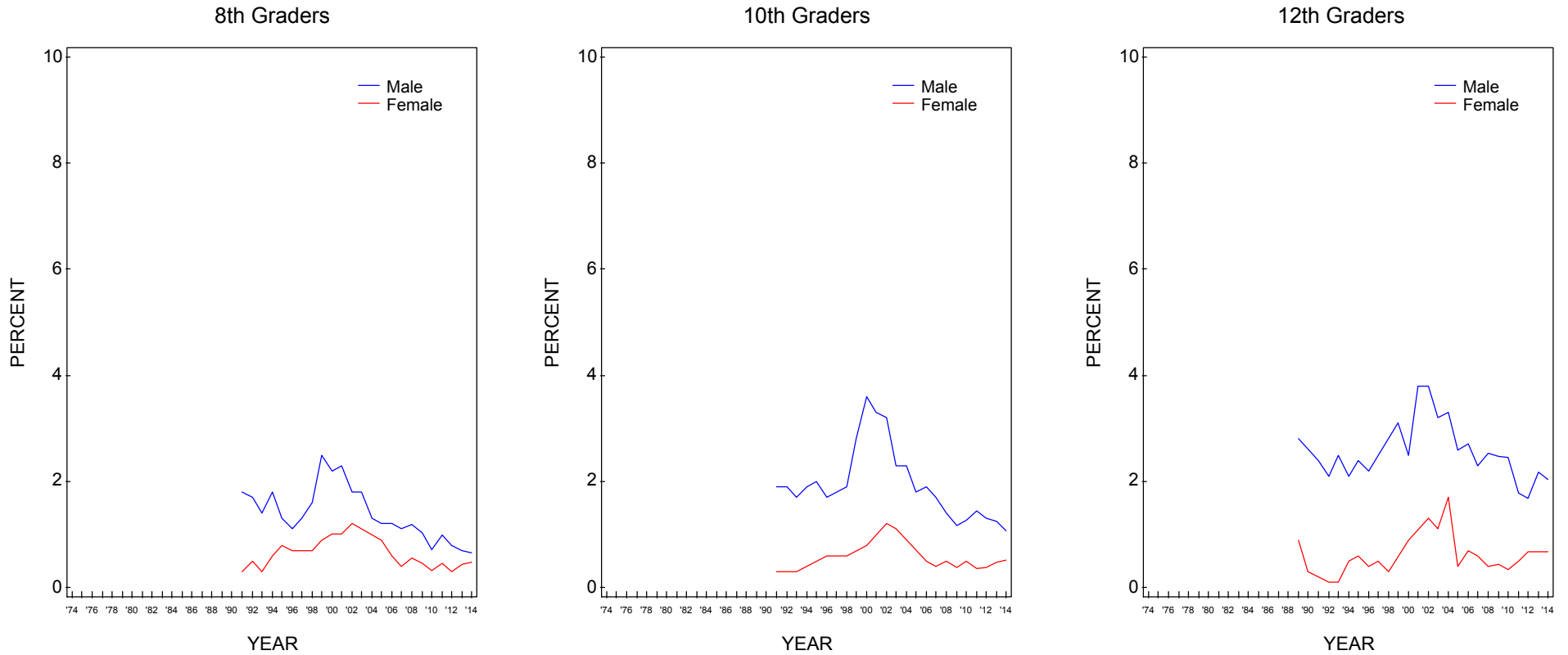
FIGURE 342
E-Cigarettes: Trends in 30-Day Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

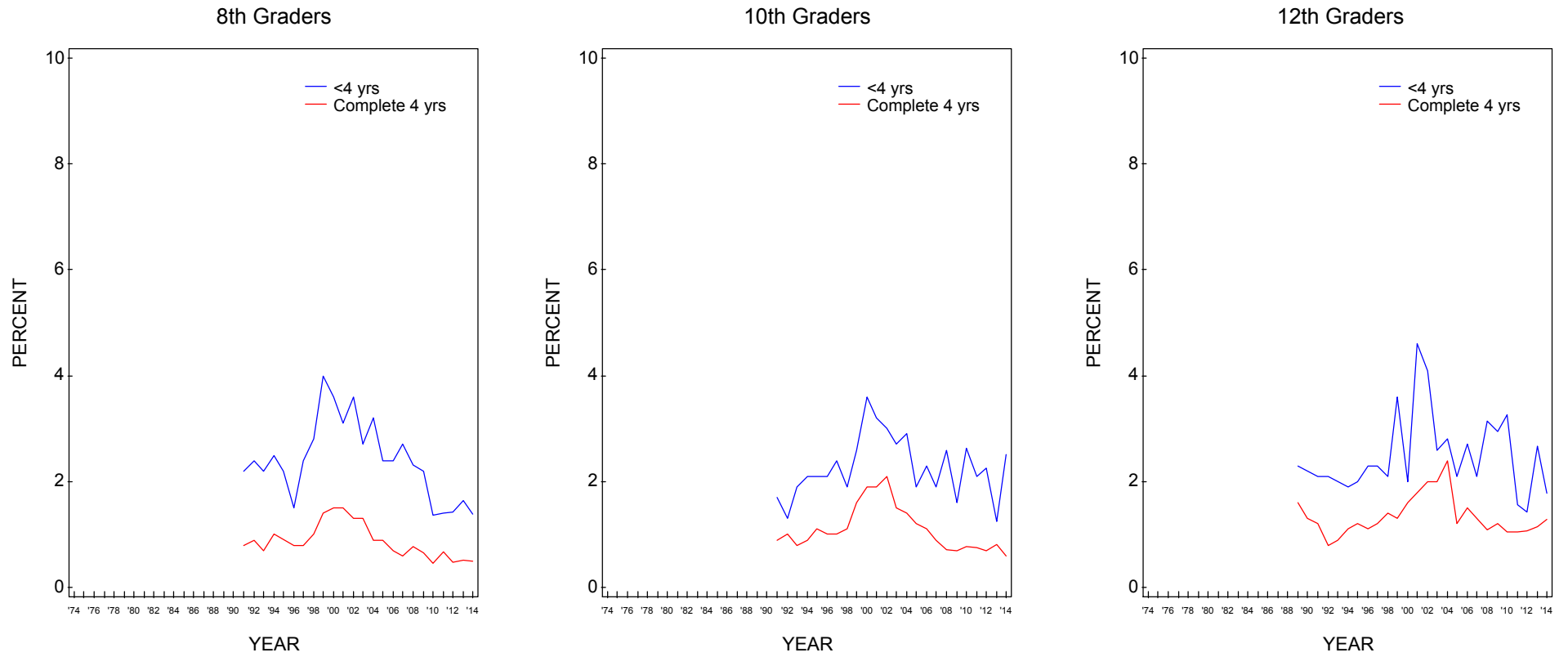
*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

FIGURE 343
Steroids: Trends in Annual Prevalence by Gender



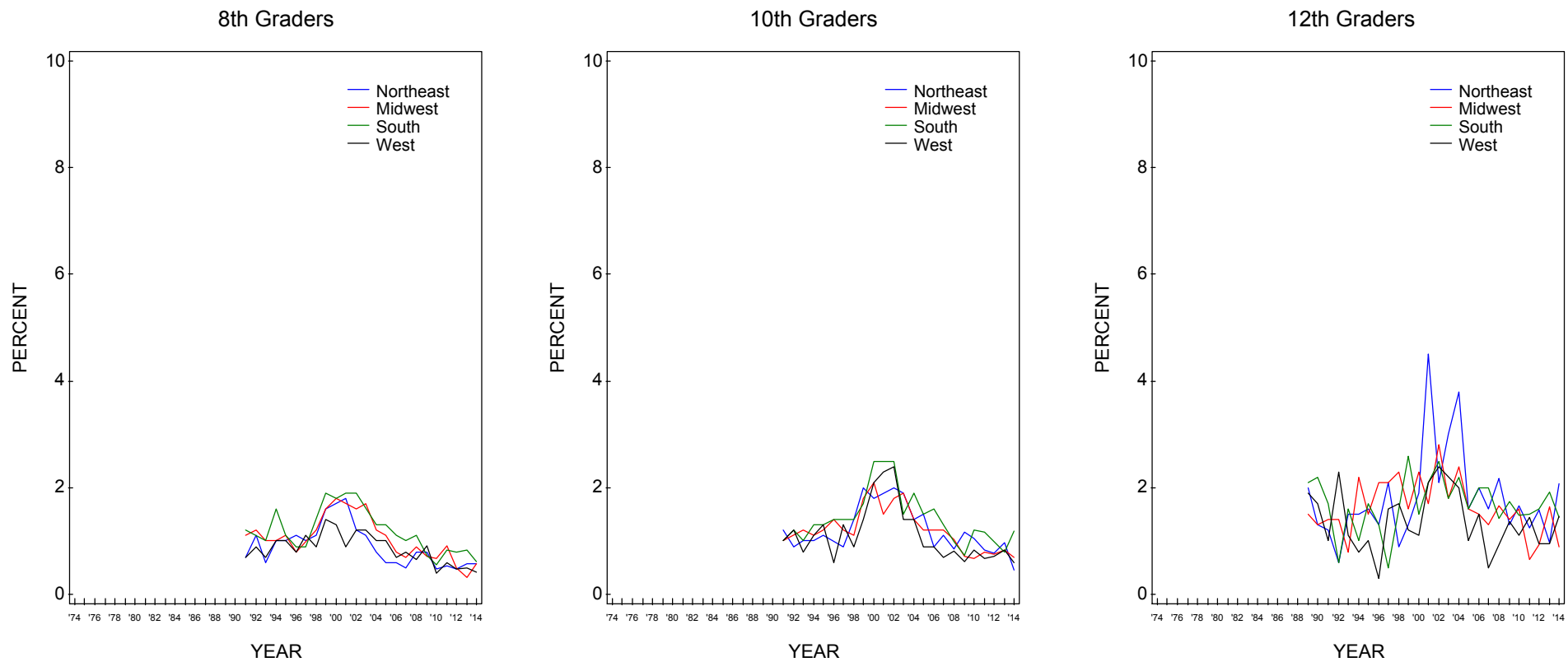
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 344
Steroids: Trends in Annual Prevalence by College Plans



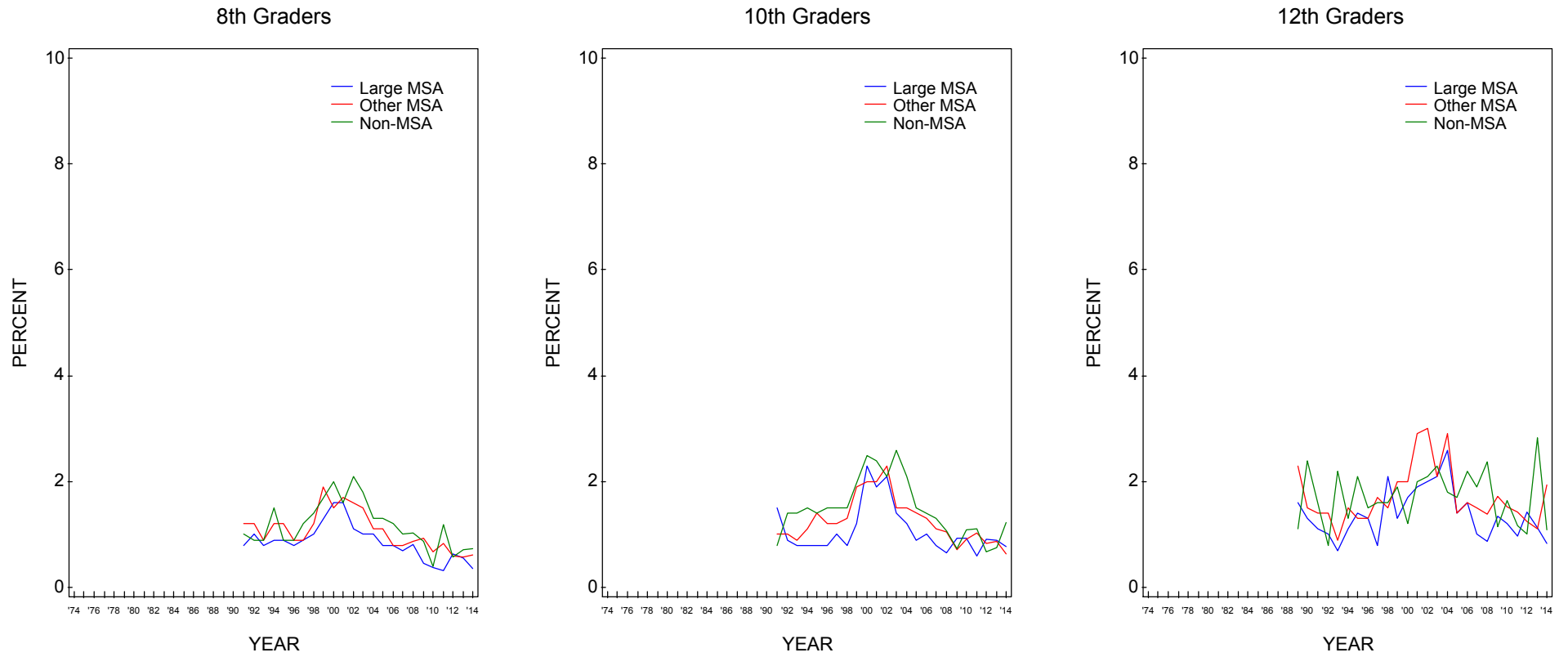
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 345
Steroids: Trends in Annual Prevalence by Region



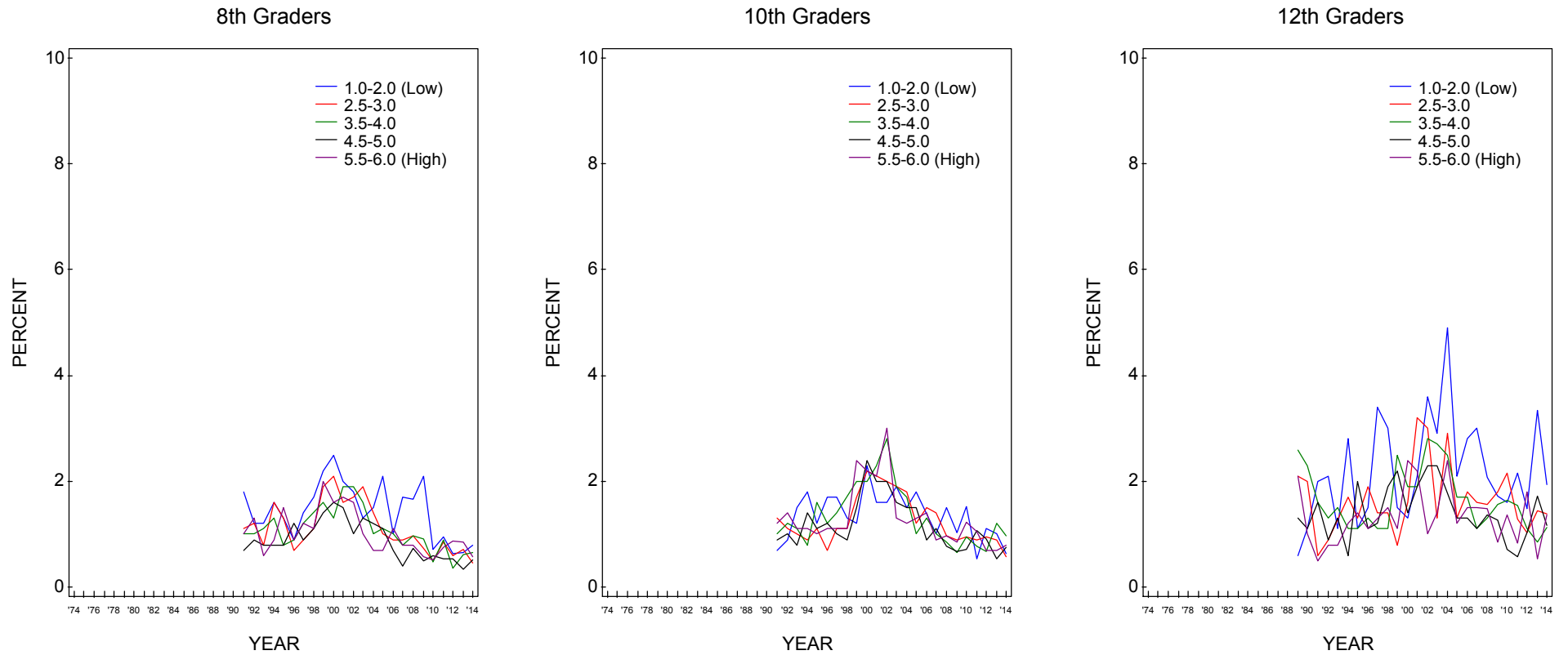
Source. The Monitoring the Future study, the University of Michigan.

FIGURE 346
Steroids: Trends in Annual Prevalence by Population Density



Source. The Monitoring the Future study, the University of Michigan.

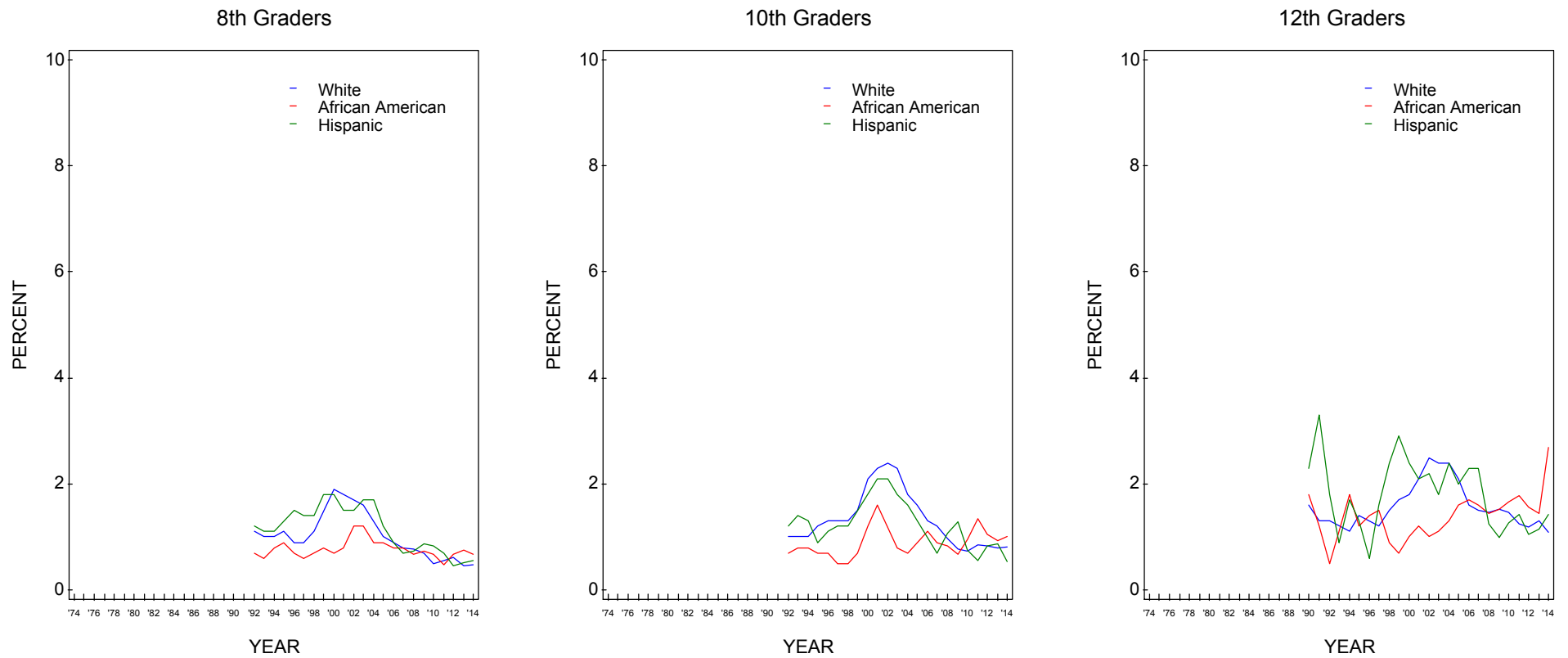
FIGURE 347
Steroids: Trends in Annual Prevalence by Average Education Level of Parents*



Source. The Monitoring the Future study, the University of Michigan.

*Parental education is an average score of mother's education and father's education. See appendix B for details.

FIGURE 348
Steroids: Trends in Annual Prevalence by Race/Ethnicity*



Source. The Monitoring the Future study, the University of Michigan.

*To derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

DEFINITION OF BACKGROUND AND DEMOGRAPHIC SUBGROUPS

The following are brief definitions of the background and demographic subgroups explored in the Monitoring the Future (MTF) national survey of 8th, 10th, and 12th graders' attitudes toward and use of drugs (including alcohol and tobacco). A more thorough discussion of the findings can be found in Appendix B of the MTF Volume I monograph, [*Monitoring the Future National Survey Results on Drug Use, 1975-2014: Volume I, Secondary School Students*](#).¹ (Note: All case counts provided in the tables are based on weighted Ns.)

Total: The total sample of respondents in a given year based on weighted cases (set to equal the total number of actual cases).

Gender: *Male and female.* Respondents are asked “What is your sex?” Those with missing data on the question are omitted from the data presented by gender.

College Plans: Respondents are asked how likely it is that they will graduate from a four-year college program. College plans groupings are defined as follows:

None or under four years. Respondents who indicate they “definitely won’t” or “probably won’t” graduate from a four-year college program. (Note that, among those who do not expect to complete a four-year college program, a number still expect to get some postsecondary education.)

Complete four years. Respondents who indicate they “definitely will” or “probably will” graduate from a four-year college program.

Those not answering the college plans question are omitted from both groupings.

Region: Region of the country in which the respondent’s school is located. There are four mutually exclusive regions in the US based on Census Bureau categories, defined as follows:

Northeast. Census classifications of New England and Middle Atlantic states consist of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

Midwest. Census classifications of East North Central and West North Central states consist of Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas.

South. Census classifications of South Atlantic, East South Central, and West South Central states consist of Delaware, Maryland, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida,

¹ Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2015, forthcoming). [*Monitoring the Future national survey results on drug use, 1975-2014: Volume I, Secondary school students*](#). Ann Arbor: Institute for Social Research, The University of Michigan.

Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas.

West. Census classifications of Mountain and Pacific states consist of Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, and California (Alaska and Hawaii are also included in this Census region, but are not included in the MTF study).

**Population
Density:**

Population density of the area in which the schools are located. There are three mutually exclusive groups into which schools have been placed in a given year based on population density (which has been variously defined over time by the U.S. Bureau of the Census, as described below). The 1975–1985 samples were based on the 1970 Census; in 1986, one half of the sample was based on the 1970 Census and the other half was based on the 1980 Census. In 1987 through 1993, all samples were based on the 1980 Census; in 1994, half of the sample was based on the 1980 Census and half on the 1990 Census. Starting in 2006 until 2013, each first-year half-sample of schools comes from a sample design that utilizes 2000 Census counts as the measure of size for first-stage units. Counts from the 2010 Census will be used for the samples beginning in 2014.

The three levels of population density were defined in terms of Standard Metropolitan Statistical Area (SMSA) designations through 1985, and then changed to the new Census Bureau classifications of Metropolitan Statistical Areas (MSAs). Except in the New England states, an MSA is a county or group of contiguous counties that contain at least one city of 50,000 inhabitants or more, or twin cities with a combined population of at least 50,000. In the New England states, MSAs consisted of towns and cities instead of counties until 1994, after which New England Consolidated Metropolitan Areas (NECMAs) were used to define MSAs. Each MSA must include at least one central city, and the complete title of an MSA identifies the central city or cities. For the complete description of the criteria used in defining MSAs, see the Office of Management and Budget publication, *Metropolitan Statistical Areas, 1990* (NTIS-PB90-214420), Washington, D.C. The population living in an MSA is designated as the metropolitan population. The levels of population density used in MTF include those described here:

Large MSA. These were the 12 largest SMSAs as of the 1970 Census and were used for the 1975–1985 samples: New York, Los Angeles, Chicago, Philadelphia, Detroit, San Francisco, Washington, Boston, Pittsburgh, St. Louis, Baltimore, and Cleveland. As of the 1980 Census, the Large MSA group consisted of the 16 largest MSAs in the nation. This new structure was used for the 1986–1994 samples. These 16 MSAs include all of those mentioned above except Cleveland, plus Dallas-Fort Worth, Houston, Nassau-Suffolk, Minneapolis-St. Paul, and Atlanta.

A new sample design was developed based on the 1990 Census, beginning with the first-year half-sample of schools chosen in 1994. In the 1990s sample, only the eight largest MSAs are represented with certainty at all three grade levels; 16 other large MSAs are divided into pairs, with half randomly assigned to both the 8th- and 12th-grade samples and the other half assigned to the 10th-grade sample. The eight largest MSAs are New York, Los Angeles, Chicago, Philadelphia PA-NJ, Detroit, Washington DC-MD-VA, Dallas-Ft. Worth, and Boston. The other 16 large MSAs are Houston, Atlanta, Seattle-Tacoma, Minneapolis MN-WI, St. Louis MO-IL, San Diego, Baltimore, Pittsburgh, Phoenix, Oakland, Cleveland, Miami, Newark, Denver, San Francisco, and Kansas City MO-KS.

Other MSAs. This category consists of all other MSAs, as defined by the Census, except those listed previously.

Non-MSAs. This category consists of all areas not designated as MSAs—in other words, they do not contain a town (or twin cities) of at least 50,000 inhabitants. The population living outside of MSAs constitutes the nonmetropolitan population.

Parental Education: This is an average of mother’s education and father’s education based on the respondents’ answers about the highest level of education achieved by each parent, using the following scale: (1) completed grade school or less, (2) some high school, (3) completed high school, (4) some college, (5) completed college, and (6) graduate or professional school after college. Missing data were allowed for one of the two parents. The respondent was instructed, “If you were raised mostly by foster parents, stepparents, or others, answer for them. For example, if you have both a stepfather and a natural father, answer for the one that was most important in raising you.”

Race/Ethnicity: From 1975 through 2004, respondents were asked “How do you describe yourself?” and presented with a list of various racial/ethnic categories. A general instruction told them to select the *one* best response for each question. In 2005 the instructions in half of the questionnaire forms were revised in order to be more consistent with the guidelines of the Office of Management and Budget for assessing race/ethnicity. In the changed forms, respondents were presented with a list of racial/ethnic categories and instructed to “select one or more responses.” An examination of the data showed that relatively few respondents (about 6% in 2005 and about 6.6% of the sample in 2014) selected more than one racial/ethnic category. Because some survey questions appear in only one or a few forms, there was some variation in the version of the race/ethnicity question upon which the 2005 data were based. Based on the analyses we have examined, we do not believe these different permutations make any appreciable difference in the results. In 2006 and thereafter the revised instruction was used in all forms. Those checking multiple racial/ethnic groups or one of the other specified groups are

omitted from the reporting on race/ethnicity in *Volume 1*² because of the small numbers of cases.

White/Caucasian. Consists of those respondents who describe themselves as White or Caucasian in 1975–2004. In 2005 the unchanged questionnaire forms were treated in a similar manner. For the revised question in 2005 and for all forms in 2006 and beyond, those checking only White and no other racial/ethnic group were categorized as White.

African American. Consists of those respondents who in 1975–1990 describe themselves as Black or Afro-American or who, in 1991–2004, describe themselves as Black or African American. In 2005 the unchanged questionnaire forms were treated in a similar manner; for the revised question in 2005 and for all forms in 2006 and beyond, only those checking Black or African American and no other racial ethnic group were categorized as African American.

Hispanic. Consists of those respondents who in 1975–1990 describe themselves as Mexican American or Chicano, or Puerto Rican or other Latin American. After 1990 this group includes those respondents who describe themselves as Mexican American or Chicano, Cuban American, Puerto Rican American, or other Latin American. The term “Puerto Rican American” was shortened to “Puerto Rican” after 1994. In 2005 the unchanged questionnaire forms were treated in a similar manner; the changed forms in 2005 and for all forms in 2006 and beyond, only those checking Mexican American or Chicano, Cuban American, Puerto Rican, or Other Hispanic or Latino and no other racial/ethnic group were categorized as Hispanic.

² Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2015, forthcoming). [*Monitoring the Future national survey results on drug use, 1975-2014: Volume I, Secondary school students*](#). Ann Arbor: Institute for Social Research, The University of Michigan.

TRENDS BY SUBGROUP: SUPPLEMENTAL TABLES FOR SECONDARY SCHOOL STUDENTS

Trends in subgroup data for the 1975–2014 Monitoring the Future (MTF) results containing 8th, 10th, and 12th graders' use of drugs and alcohol are presented in the tables below. The trends observed span all major classes of drugs for population subgroups defined by gender, college plans, region, population density, parental education, and race/ethnicity. Appendix D of *Volume I*¹ contains a portion of the information presented here.

Due to the sheer quantity of information such trend tables generate for each prevalence measure (e.g., lifetime, annual, 30-day, daily), we have selected only the prevalence periods that seem most useful for understanding subgroup differences below. Thus, for most drugs, we include only annual prevalence; rates for additional prevalence periods are provided for alcohol, cigarettes, and smokeless tobacco because of their more frequent use. The numbers of cases that go with the data in the figures may be found in the complete set of tables that are included below.

The subgroups distinguished in these tables are used throughout *Volume I* and defined in the previous section. The reader should note that *two-year moving averages* are given for the three major racial/ethnic groups included in order to reduce fluctuations in the trends due to random sampling differences. A footnote in each table describes the procedure used to obtain the presented data. A question about race/ethnicity identification was changed in 2005 in half of the questionnaire forms, allowing respondents to select multiple categories of race/ethnicity rather than just one (see the previous section for more details). In 2006, the remaining questionnaire forms were changed in a like manner. However, we believe that this change has had little effect on the results because so few respondents selected more than one of the categories offered.

For nearly all drugs we provide one table showing the subgroup trends (since 1991) for 8th graders, a second table of trends (since 1991) for 10th graders and a third table showing the longer-term trends (since 1975) for 12th graders. However, for two of the drugs—sedatives (barbiturates) and narcotics other than heroin—the 8th- and 10th-grade data have been omitted, as they have been throughout *Volume I*, because we are less certain about the validity of the answers provided by those younger students. Specifically, we believe that they often fail to omit nonprescription substances. Usage questions for a few other drugs are simply not asked of 8th and 10th graders; thus only 12th-grade tables are presented.

Sample sizes should be taken into account when interpreting the importance of any changes observed. The numbers provided in the tables assume that all respondents in a given grade were asked about their use of the drug. Some of the drugs were not contained in all questionnaire forms, meaning that the subgroup and total numbers must be adjusted accordingly. The “Notes” section at the bottom of each table will indicate if only a fraction of the total sample received the question.

¹ Miech, R. A., Johnston, L. D., O'Malley, P. M., Bachman, J. G., & Schulenberg, J. E. (2015, forthcoming). *Monitoring the Future national survey results on drug use, 1975-2014: Volume I, Secondary school students*. Ann Arbor: Institute for Social Research, The University of Michigan.

This paper also includes graphic presentations of the trends presented in the tables for the various demographic subgroups. These figures use color to help distinguish the various subgroups and improve readability.

List of 2014 Tables

Substance	Table Number			Time Period				
	8th Grade	10th Grade	12th Grade	Lifetime	Annual	30-Day	Daily	2-Weeks
Any illicit drug	1	2	3		X			
Any illicit drug other than marijuana	4	5	6		X			
Marijuana, Lifetime	7	8	9	X				
Marijuana, Annual	10	11	12		X			
Marijuana, 30-Day	13	14	15			X		
Marijuana, Daily	16	17	18				X	
Synthetic Marijuana	19	19	19		X			
Inhalants	20	21	22		X			
Hallucinogens	23	24	25		X			
LSD	26	27	28		X			
Hallucinogens other than LSD	29	30	31		X			
Ecstasy (MDMA)	32	33	34		X			
Salvia	35	35	35		X			
Cocaine	36	37	38		X			
Crack	39	40	41		X			
Other cocaine	42	43	44		X			
Heroin	45	46	47		X			
Heroin with a needle	48	49	50		X			
Heroin without a needle	51	52	53		X			
Narcotics other than heroin	—	—	54		X			
OxyContin	55	56	57		X			
Vicodin	58	59	60		X			
Amphetamines	61	62	63		X			
Ritalin	64	65	66		X			
Adderall	67	67	67		X			
Provigil	—	—	68		X			
Methamphetamine	69	70	71		X			
Crystal methamphetamine (ice)	—	—	72		X			
Bath Salts (Synthetic Stimulants)	73	73	73		X			
Sedatives (barbiturates)	—	—	74		X			
Tranquilizers	75	76	77		X			
OTC cough/cold medicines	78	79	80		X			
Rohypnol	81	82	83		X			
Alcohol, 30-Day	84	85	86			X		
Alcohol, Daily	87	88	89				X	
Been drunk	90	91	92			X		
5+ drinks in a row	93	94	95					X
Beer	96	97	98			X		
5+ drinks in a row	99	100	101					X
Liquor	—	—	102			X		
5+ drinks in a row	—	—	103					X
Wine	—	—	104			X		
5+ drinks in a row	—	—	105					X

Wine coolers	106	107	108		X	
5+ drinks in a row	—	—	109			X
Flavored alcoholic beverages	110	111	112		X	
Alcoholic Beverages containing Caffeine	113	113	113	X		
Cigarettes	114	115	116		X	
Daily	117	118	119			X
1/2 pack+/day	120	121	122			X
Tobacco using a Hookah	—	—	123	X		
Small cigars	—	—	124	X		
E-cigaretees	125	125	125		X	
Smokeless tobacco	126	127	128		X	
Daily	129	130	131			X
Dissolvable Tobacco Products	132	132	132	X		
Snus	133	133	133	X		
Steroids	134	135	136	X		
Weighted <i>N</i> s by subgroups	S1	S2	S3			

TABLE 1
ANY ILLICIT DRUG: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	11.3	12.9	15.1	18.5	21.4	23.6	22.1	21.0	20.5	19.5	19.5	17.7	16.1	15.2	15.5	14.8	13.2	14.1	14.5	16.0	14.7	13.4‡	15.2	14.6	-0.6
Gender:																									
Male	11.7	11.9	15.2	19.4	22.3	23.6	22.6	21.3	21.3	19.7	21.3	19.2	16.4	15.0	15.2	15.1	13.2	14.3	15.7	16.7	15.7	13.8‡	14.9	14.1	-0.8
Female	11.0	13.6	14.9	17.6	20.2	23.3	21.3	20.4	19.7	19.0	17.5	16.3	15.5	15.2	15.6	14.2	12.9	13.7	13.1	15.4	13.3	12.7‡	14.9	14.5	-0.5
College Plans:																									
None or under 4 years	22.8	25.6	30.7	34.6	38.4	40.3	39.6	41.3	39.9	38.9	38.5	36.8	34.7	33.6	35.2	33.1	31.9	34.5	30.7	33.6	32.1	30.1‡	31.3	29.0	-2.2
Complete 4 years	9.5	10.9	12.8	16.3	19.1	21.0	19.9	18.4	18.0	17.1	17.2	15.7	14.0	13.2	13.3	13.0	11.4	12.3	13.0	14.6	13.2	12.1‡	14.0	13.3	-0.6
Region:																									
Northeast	9.3	10.6	11.5	16.6	17.9	20.3	20.2	16.0	18.2	16.6	18.1	13.8	13.1	13.0	12.3	10.8	8.1	11.3	13.8	14.1	9.8	9.6‡	12.5	12.9	+0.3
Midwest	11.2	13.0	13.9	17.2	23.3	24.7	22.3	21.9	22.6	20.6	18.0	17.0	15.7	14.2	15.9	13.9	12.9	15.5	13.5	14.2	13.0	9.9‡	13.4	13.4	0.0
South	11.5	12.9	15.1	17.6	20.8	22.5	21.6	22.3	21.0	19.2	21.5	20.1	18.1	16.8	17.4	17.7	15.2	15.6	15.9	18.4	15.7	15.8‡	17.3	14.7	-2.6
West	13.3	15.0	21.1	23.7	23.3	27.1	24.4	22.0	19.2	21.0	18.9	18.4	15.6	15.5	14.5	13.9	13.3	12.4	13.5	15.5	18.6	15.6‡	15.5	16.7	+1.2
Population Density:																									
Large MSA	10.5	12.0	13.1	16.2	15.2	23.4	20.5	19.8	19.1	18.1	16.4	15.9	14.3	14.0	14.9	13.5	11.5	12.5	12.4	15.3	13.4	12.6‡	15.9	16.0	+0.1
Other MSA	12.1	14.4	17.3	21.5	23.7	24.9	22.6	21.4	19.5	18.8	21.5	18.3	16.2	15.9	16.2	15.6	13.8	15.1	15.7	17.2	16.1	14.3‡	14.8	14.1	-0.7
Non-MSA	10.8	11.2	12.9	14.0	20.3	21.4	22.9	21.6	24.3	22.7	19.1	18.9	18.1	15.3	15.0	15.2	14.5	14.2	14.5	14.4	13.7	12.7‡	14.9	13.7	-1.2
Parental Education: ^b																									
1.0–2.0 (Low)	19.5	18.5	20.8	26.1	29.8	26.7	29.5	30.4	30.2	30.9	29.9	27.3	26.4	25.7	24.9	23.7	23.2	23.3	21.5	24.6	23.4	22.0‡	25.8	22.9	-2.9
2.5–3.0	11.7	14.1	17.1	20.2	24.3	25.7	25.5	24.2	24.9	23.9	23.3	22.4	20.4	18.5	20.5	18.6	16.8	19.2	19.0	20.6	20.1	18.4‡	22.1	19.6	-2.4
3.5–4.0	11.6	13.6	15.4	19.7	23.4	26.2	23.8	21.8	21.0	20.1	21.5	18.5	16.9	16.7	16.7	16.5	14.9	15.3	15.8	17.1	16.4	15.4‡	17.9	16.4	-1.4
4.5–5.0	8.7	10.2	12.8	15.7	17.4	21.3	19.3	17.8	15.6	14.6	15.0	14.5	12.0	12.1	11.4	11.0	9.2	10.5	11.1	12.8	10.7	9.6‡	11.0	10.4	-0.5
5.5–6.0 (High)	10.2	10.1	11.8	14.9	17.7	19.8	16.8	17.1	15.8	15.0	13.4	12.1	11.0	10.9	9.8	9.9	8.1	9.6	9.9	10.5	8.7	7.9‡	9.0	10.5	+1.6
Race/Ethnicity (2-year average): ^c																									
White	—	11.8	13.6	15.7	19.2	22.4	23.0	21.5	19.9	19.1	19.0	18.3	16.5	14.9	14.4	14.1	13.1	13.0	13.5	14.1	13.8	12.1	11.1‡	11.5	—
African American	—	7.9	9.3	13.0	15.8	17.5	18.1	18.1	18.6	18.3	16.7	15.1	14.6	14.6	15.6	14.9	12.7	12.3	14.2	15.7	15.0	13.5	14.9‡	14.9	—
Hispanic	—	18.1	20.6	24.6	26.7	26.9	26.5	26.7	27.4	25.1	24.3	24.8	22.8	20.9	18.8	17.9	16.8	16.1	16.8	18.2	19.3	19.3	18.9‡	18.9	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. † ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 2
ANY ILLICIT DRUG: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																							2013- 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	21.4	20.4	24.7	30.0	33.3	37.5	38.5	35.0	35.9	36.4	37.2	34.8	32.0	31.1	29.8	28.7	28.1	26.9	29.4	30.2	31.1	30.1‡	32.1	29.9	-2.1
Gender:																									
Male	21.6	20.4	25.1	31.8	33.7	38.8	40.1	35.3	37.0	39.4	39.6	35.9	33.2	32.0	30.5	29.3	29.5	27.9	31.6	33.0	33.8	32.9‡	34.9	30.3	-4.6 ss
Female	21.1	20.1	24.0	28.0	32.5	36.3	36.8	34.7	34.6	33.5	35.0	33.7	30.8	30.2	28.9	28.1	26.7	25.6	27.3	27.3	28.2	27.5‡	29.4	29.4	0.0
College Plans:																									
None or under 4 years	32.7	32.0	37.7	43.2	47.3	52.4	55.2	50.5	51.8	53.5	52.7	51.5	48.6	46.9	45.8	46.2	45.7	47.0	48.5	48.8	50.4	46.2‡	46.2	44.4	-1.8
Complete 4 years	18.9	17.8	21.9	27.0	30.8	35.0	35.7	32.2	33.2	33.9	34.6	32.1	29.2	28.9	27.6	26.4	25.7	24.2	27.3	28.0	28.9	28.5‡	30.6	28.4	-2.2
Region:																									
Northeast	21.8	19.0	26.9	29.6	32.4	37.7	37.8	39.0	38.2	34.0	37.4	35.2	32.6	32.8	31.3	27.8	27.7	28.6	26.2	27.9	30.6	33.2‡	29.7	29.5	-0.3
Midwest	21.7	20.7	22.4	28.5	32.1	37.6	37.7	32.0	35.2	34.8	35.9	33.7	28.8	28.8	29.1	28.2	28.1	25.8	26.2	28.1	29.0	26.3‡	29.9	26.6	-3.3
South	19.2	17.9	23.3	29.2	33.2	37.9	38.7	35.1	34.8	36.0	36.7	33.9	34.0	32.9	31.1	29.7	26.7	27.1	31.6	31.0	31.4	30.3‡	33.6	31.1	-2.4
West	23.7	25.5	28.9	34.4	36.1	36.8	40.2	34.5	36.0	41.6	40.7	37.7	32.3	29.8	26.9	29.0	30.2	26.2	32.6	33.3	33.2	31.6‡	34.1	31.8	-2.3
Population Density:																									
Large MSA	21.4	19.9	24.0	29.4	28.7	35.5	37.2	32.6	35.0	36.5	34.0	33.0	30.5	28.9	28.0	27.3	27.9	26.4	29.0	28.9	29.5	30.8‡	31.0	30.0	-1.0
Other MSA	22.0	20.8	25.1	32.7	35.5	40.0	40.0	36.9	37.3	36.6	39.0	36.9	32.4	32.0	31.1	28.6	28.3	28.1	30.7	31.9	32.6	30.2‡	33.8	30.5	-3.2
Non-MSA	20.4	20.1	24.4	24.7	30.7	35.1	37.2	34.5	33.9	35.8	37.4	32.8	33.5	32.3	29.5	31.4	27.8	24.8	27.4	28.6	30.2	29.2‡	29.5	28.5	-1.1
Parental Education: ^b																									
1.0–2.0 (Low)	25.5	24.8	29.2	32.6	38.2	39.5	38.3	36.6	42.2	42.4	39.0	39.4	38.8	37.7	33.2	36.2	32.0	33.6	39.5	37.4	37.7	39.8‡	40.5	35.0	-5.5
2.5–3.0	23.0	21.3	25.4	31.1	37.1	39.1	40.8	39.1	39.4	39.2	41.6	39.4	36.4	34.0	34.3	33.7	33.0	31.7	32.8	36.1	36.3	34.5‡	40.6	34.8	-5.7 s
3.5–4.0	21.2	20.6	24.9	30.5	34.7	40.1	41.6	35.6	35.4	39.5	38.2	35.5	33.3	33.6	30.6	30.6	30.2	29.2	30.3	31.9	33.2	31.8‡	32.1	33.6	+1.6
4.5–5.0	19.4	18.7	22.5	28.1	30.9	35.5	36.3	31.9	32.8	32.6	35.1	31.9	27.8	27.7	27.6	24.6	24.7	22.3	26.5	24.6	27.2	27.5‡	29.2	25.5	-3.8
5.5–6.0 (High)	21.1	18.5	23.6	27.2	26.6	33.6	33.7	31.5	34.6	31.3	32.7	29.1	27.5	26.2	25.9	24.3	21.7	21.7	24.5	25.7	25.1	24.8‡	24.2	24.3	+0.2
Race/Ethnicity (2-year average): ^c																									
White	—	22.4	23.7	27.9	32.6	36.5	39.3	38.2	36.4	36.9	37.6	37.6	35.0	32.2	31.0	30.2	29.4	28.0	27.9	29.2	30.0	29.7	29.2‡	29.0	—
African American	—	10.8	11.9	18.5	23.6	27.3	30.2	28.9	28.4	29.7	30.5	28.5	27.3	29.3	29.0	26.2	24.2	22.4	23.5	26.6	29.6	30.6	32.5‡	33.2	—
Hispanic	—	23.6	26.3	30.3	34.3	40.0	41.3	38.1	38.4	39.3	38.8	36.2	33.8	34.5	32.8	28.5	27.3	30.1	33.1	34.0	33.5	34.3	36.3‡	35.8	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 3
ANY ILLICIT DRUG: ^{a,b}Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	45.0	48.1	51.1	53.8	54.2	53.1	52.1	49.4	47.4	45.8	46.3	44.3	41.7	38.5	35.4	32.5	29.4	27.1	31.0	35.8
Gender:																				
Male	49.0	52.6	55.4	58.6	58.1	56.0	53.6	51.8	49.7	48.0	48.3	45.7	43.2	40.6	37.7	34.3	32.1	29.0	33.5	38.6
Female	41.4	43.0	46.7	48.7	50.1	49.8	50.8	46.3	44.4	42.8	43.8	42.3	39.7	36.1	32.8	30.1	26.2	24.7	27.9	32.7
College Plans:																				
None or under 4 years	—	50.6	54.3	55.5	56.8	56.5	55.8	53.4	50.8	50.3	50.1	48.6	46.7	42.0	40.9	37.8	33.9	33.5	34.9	40.8
Complete 4 years	—	44.3	46.8	50.5	50.5	49.7	48.6	45.5	43.7	41.4	43.1	41.2	39.0	36.5	32.6	29.6	27.1	24.4	29.2	33.6
Region:																				
Northeast	51.5	55.3	56.8	61.6	62.9	58.9	58.8	55.1	53.8	54.7	53.2	49.7	45.8	41.2	36.0	36.4	31.9	28.7	36.1	39.4
Midwest	45.5	47.6	51.9	54.6	55.0	53.1	53.4	50.3	46.9	42.4	45.7	45.0	42.7	39.7	38.7	34.0	31.3	27.8	30.8	36.5
South	38.1	42.3	46.2	47.5	45.4	47.0	43.7	42.2	41.3	41.4	37.2	37.4	35.9	34.2	30.7	27.6	24.5	23.7	28.2	34.1
West	48.3	49.7	50.0	53.2	56.4	55.8	55.5	51.7	50.7	49.1	53.3	47.8	45.7	41.8	39.5	34.4	32.6	31.1	31.8	34.7
Population Density:																				
Large MSA	54.5	54.6	56.3	60.3	61.3	59.9	57.8	54.8	52.0	49.7	49.9	48.0	43.9	39.1	32.9	32.6	28.6	26.8	32.9	36.4
Other MSA	45.0	47.8	52.4	54.5	55.2	53.8	52.1	49.8	49.6	46.7	46.5	45.1	42.7	40.5	36.3	33.5	33.0	27.3	31.7	37.8
Non-MSA	38.8	43.7	45.2	47.4	47.6	47.0	47.6	44.0	41.1	41.4	43.0	40.0	37.6	34.3	36.0	30.1	23.8	27.0	28.4	31.6
Parental Education: ^c																				
1.0–2.0 (Low)	—	43.4	45.3	47.7	50.2	49.5	48.1	44.3	45.1	42.7	42.8	38.1	35.4	35.8	28.4	26.6	28.7	27.7	29.5	32.9
2.5–3.0	—	49.2	51.8	53.3	53.2	53.0	51.2	48.8	46.3	45.7	46.0	44.8	41.8	37.2	35.3	32.7	28.7	26.4	29.2	35.4
3.5–4.0	—	48.9	53.1	55.1	56.1	54.2	52.8	50.8	46.5	47.6	47.2	45.6	42.2	38.6	37.7	33.8	29.6	28.1	31.6	36.4
4.5–5.0	—	50.8	51.7	56.3	57.1	54.0	53.4	49.7	48.9	44.9	48.4	44.7	43.1	40.0	35.5	33.1	28.7	26.2	31.5	36.5
5.5–6.0 (High)	—	51.3	51.8	59.1	54.3	55.0	54.8	48.5	46.1	45.5	44.5	44.5	43.5	40.6	36.3	33.3	31.9	26.8	33.4	35.7
Race/Ethnicity (2-year average:) ^d																				
White	—	—	50.4	53.5	55.2	54.9	54.4	50.7	49.3	47.4	47.6	47.2	45.2	43.0	40.3	37.5	33.9	30.5	31.4	35.5
African American	—	—	40.8	42.8	41.5	40.5	39.0	36.4	38.5	37.8	35.9	33.3	28.9	25.0	21.3	17.0	14.7	14.5	16.6	23.5
Hispanic	—	—	49.9	49.5	48.4	48.1	46.8	42.7	42.0	43.1	43.9	42.8	38.9	35.4	30.1	26.4	29.4	30.3	28.8	31.2

(Table continued on next page.)

TABLE 3 (cont.)
ANY ILLICIT DRUG: ^{a,b}Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	39.0	40.2	42.4	41.4	42.1	40.9	41.4	41.0	39.3	38.8	38.4	36.5	35.9	36.6	36.5	38.3	40.0	39.7‡	40.1	38.7	-1.5
Gender:																					
Male	41.5	43.4	44.1	45.2	45.0	43.4	43.8	43.5	41.3	41.4	42.1	37.5	38.4	38.8	39.9	41.4	43.2	43.5‡	43.2	39.8	-3.3
Female	35.8	36.2	40.0	37.2	38.9	38.0	38.4	37.8	36.7	35.9	34.5	35.0	33.2	34.1	33.2	34.7	36.2	35.1‡	36.5	36.9	+0.5
College Plans:																					
None or under 4 years	44.1	46.2	48.8	47.3	47.9	45.1	46.2	46.2	46.8	44.4	46.5	46.1	43.7	46.0	42.7	46.5	46.6	44.3‡	47.5	44.5	-3.1
Complete 4 years	36.7	37.8	40.1	39.1	40.3	38.8	39.6	39.3	36.6	36.8	36.1	33.8	34.0	34.2	34.9	36.1	38.2	38.2‡	38.1	36.7	-1.4
Region:																					
Northeast	41.7	44.6	47.7	46.2	42.5	46.2	47.4	45.7	43.7	43.9	43.2	42.0	41.9	40.0	40.5	44.1	42.8	40.9‡	43.7	43.0	-0.7
Midwest	40.9	40.9	40.6	38.1	42.1	38.9	42.0	41.6	40.0	38.2	38.8	36.3	37.3	35.1	36.5	36.3	37.9	35.3‡	35.4	38.3	+2.9
South	36.4	37.6	38.8	40.5	40.8	35.3	37.3	38.1	34.8	35.7	36.6	34.9	33.6	36.0	34.7	36.2	37.0	37.5‡	38.8	37.7	-1.0
West	38.2	39.1	45.9	43.1	44.2	47.4	41.9	40.5	41.4	39.6	36.3	34.6	33.4	36.5	36.0	38.9	44.4	46.1‡	44.3	37.0	-7.3
Population Density:																					
Large MSA	41.7	41.3	42.1	42.0	42.4	41.1	43.9	41.9	35.7	36.3	38.5	38.2	37.9	37.7	40.2	39.9	41.5	43.0‡	43.2	38.8	-4.4
Other MSA	39.0	42.3	44.2	42.1	43.3	42.6	41.0	42.4	42.7	42.4	39.8	36.7	35.1	35.7	35.8	39.4	41.3	40.3‡	40.9	41.2	+0.3
Non-MSA	35.9	35.4	39.2	39.3	39.9	37.5	39.4	37.1	37.6	34.9	35.5	33.5	34.7	37.2	33.4	33.2	34.6	32.9‡	33.6	32.3	-1.3
Parental Education: ^c																					
1.0–2.0 (Low)	37.7	36.6	40.3	38.9	40.9	41.3	38.8	35.3	35.8	34.7	32.0	37.6	35.6	34.6	33.0	36.9	40.3	45.4‡	41.6	40.7	-0.9
2.5–3.0	38.3	39.9	40.8	40.5	43.7	40.5	41.9	39.3	39.0	37.7	38.9	38.2	37.8	37.5	37.4	39.2	40.5	40.9‡	42.8	41.4	-1.3
3.5–4.0	38.8	40.4	42.0	42.9	42.9	41.6	42.7	43.2	41.3	42.1	41.3	37.1	35.0	35.9	38.4	40.6	41.7	40.8‡	41.8	39.1	-2.7
4.5–5.0	39.0	40.5	43.6	40.9	40.0	39.6	41.3	42.0	38.9	38.2	38.8	33.2	34.9	36.5	35.4	37.9	38.5	38.5‡	38.1	36.5	-1.7
5.5–6.0 (High)	40.7	40.6	44.0	41.8	42.3	41.1	40.1	40.6	36.5	37.4	36.0	37.3	36.9	36.7	36.6	32.6	37.9	34.8‡	37.9	37.1	-0.8
Race/Ethnicity (2-year average): ^d																					
White	39.0	40.8	42.8	44.0	43.3	42.8	43.1	43.6	42.8	42.0	41.6	40.0	38.5	38.7	38.7	38.8	40.2	40.3	39.3‡	38.9	—
African American	29.6	32.4	33.0	32.3	32.8	32.7	31.7	30.4	28.3	27.7	29.0	30.0	28.7	28.6	30.4	33.1	34.8	35.0	37.7‡	39.6	—
Hispanic	35.5	38.0	41.2	41.9	42.5	44.8	41.8	39.0	35.8	34.4	34.5	34.2	32.2	31.4	32.6	34.5	37.5	40.5	42.2‡	39.9	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. — indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug includes any use of marijuana, LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of narcotics other than heroin, amphetamines, sedatives (barbiturates), methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

^bBeginning in 1982 the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence-of-use rate dropped slightly as a result of this methodological change.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 4
ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^a Trends in Annual Prevalence of Use
by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^b	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	8.4	9.3	10.4	11.3	12.6	13.1	11.8	11.0	10.5	10.2‡	10.8	8.8	8.8	7.9	8.1	7.7	7.0	7.4	7.0	7.1	6.4	5.5‡	6.3	6.4	+0.1
Gender:																									
Male	8.0	8.0	9.2	10.1	11.5	11.0	10.8	9.6	9.7	9.1‡	10.0	8.1	7.9	7.0	6.6	6.5	5.9	6.0	6.6	6.4	6.1	4.8‡	5.5	5.3	-0.2
Female	8.8	10.4	11.5	12.3	13.5	14.7	12.6	12.1	11.2	10.9‡	11.2	9.3	9.4	8.8	9.3	8.7	8.0	8.7	7.3	7.7	6.5	6.0‡	6.9	7.1	+0.2
College Plans:																									
None or under 4 years	16.3	18.5	21.3	21.2	25.3	23.0	22.1	23.8	23.4	22.7‡	21.5	19.7	20.0	18.0	18.2	17.7	18.1	20.3	18.2	16.4	17.2	13.0‡	14.6	14.7	+0.1
Complete 4 years	7.2	8.0	8.9	9.9	10.9	11.6	10.6	9.4	9.0	8.7‡	9.5	7.6	7.5	6.9	7.0	6.7	6.0	6.3	6.0	6.3	5.5	4.9‡	5.7	5.7	0.0
Region:																									
Northeast	6.8	6.6	8.2	10.3	10.7	11.3	9.5	8.5	8.5	8.0‡	9.5	5.8	7.1	5.9	5.8	4.4	4.4	5.2	5.0	4.6	4.4	4.1‡	4.0	4.3	+0.4
Midwest	8.6	10.4	9.4	10.2	14.0	14.3	12.5	10.5	11.9	11.2‡	9.9	8.7	8.7	7.7	8.1	7.1	7.4	7.6	6.7	7.0	6.0	3.7‡	5.4	5.6	+0.2
South	8.6	9.7	11.0	11.7	12.5	12.6	11.8	12.5	11.2	10.3‡	12.4	10.6	10.0	9.0	9.5	9.8	7.8	8.8	8.4	8.3	6.7	7.3‡	8.2	7.1	-1.1
West	9.3	9.8	13.4	12.7	12.7	14.0	13.0	11.1	9.3	10.5‡	10.1	8.4	7.9	8.2	7.7	7.4	6.9	6.7	6.3	7.0	7.8	5.4‡	5.9	7.5	+1.6
Population Density:																									
Large MSA	8.0	8.1	8.8	9.8	8.7	12.3	9.9	8.9	8.4	8.5‡	9.7	7.4	7.1	6.9	7.1	6.6	6.1	6.8	5.5	5.7	5.7	5.1‡	5.7	5.7	0.0
Other MSA	8.6	10.4	11.8	12.5	13.5	14.1	12.2	11.2	10.7	10.1‡	11.8	9.2	8.7	8.5	8.8	8.0	7.6	7.7	7.8	8.0	7.0	6.1‡	6.5	6.9	+0.4
Non-MSA	8.6	8.9	9.8	9.8	13.2	12.1	13.0	12.8	12.8	12.3‡	10.3	9.8	11.0	8.0	8.1	8.8	7.1	7.6	7.1	6.9	6.0	5.0‡	6.9	6.4	-0.4
Parental Education: ^c																									
1.0–2.0 (Low)	12.9	12.9	14.4	15.6	18.0	15.5	14.8	17.3	16.0	15.8‡	14.3	13.0	14.1	15.2	14.3	12.3	11.9	13.6	12.4	11.5	10.7	8.3‡	10.6	9.4	-1.1
2.5–3.0	8.5	10.1	11.8	12.4	14.2	13.9	12.9	12.2	12.1	12.2‡	13.2	10.9	10.9	8.8	10.3	9.4	8.3	9.7	8.7	8.8	9.1	7.2‡	7.1	7.6	+0.5
3.5–4.0	8.7	10.1	10.6	11.8	14.2	14.5	12.5	11.2	11.3	10.6‡	11.7	9.0	9.0	8.4	9.0	8.4	7.8	8.0	7.4	7.3	7.0	6.5‡	8.2	7.0	-1.1
4.5–5.0	7.1	7.5	9.1	9.5	9.7	12.0	10.6	9.4	8.5	7.7‡	8.9	7.6	6.7	6.8	5.7	6.0	4.7	5.4	5.4	6.0	4.6	3.5‡	5.2	4.9	-0.4
5.5–6.0 (High)	7.8	8.0	8.2	9.4	10.1	11.7	10.3	9.5	8.3	8.4‡	8.0	6.5	6.8	5.9	5.3	6.2	5.5	5.7	5.1	4.7	4.3	4.4‡	4.0	5.4	+1.5
Race/Ethnicity (2-year average): ^d																									
White	—	9.0	10.0	10.8	12.6	13.9	13.5	12.5	11.5	11.1	10.6‡	10.3 ^e	9.3	8.7	8.1	8.1	7.6	7.6	7.5	7.2	6.7	5.6	4.9‡	5.4	—
African American	—	4.9	5.0	5.9	5.7	5.3	4.7	4.0	4.1	3.8	3.9‡	4.4 ^e	4.4	4.4	4.2	3.9	3.3	3.4	4.1	4.0	3.8	3.9	4.0‡	5.2	—
Hispanic	—	12.2	13.7	15.2	15.3	14.7	13.6	13.5	14.5	13.9	12.2‡	11.9 ^e	10.8	10.4	9.9	9.2	8.6	8.4	8.6	8.7	8.7	8.1	7.4‡	7.4	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. † ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases.

See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug other than marijuana includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 5
ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^a Trends in Annual Prevalence of Use
by Subgroups in Grade 10

	Percentage who used in last 12 months																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^b	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	12.2	12.3	13.9	15.2	17.5	18.4	18.2	16.6	16.7	16.7‡	17.9	15.7	13.8	13.5	12.9	12.7	13.1	11.3	12.2	12.1	11.2	10.8‡	11.2	11.2	0.0
Gender:																									
Male	11.2	11.1	13.4	14.1	15.8	17.2	17.2	15.6	15.9	16.7‡	18.3	15.1	13.0	12.7	12.0	12.0	12.9	10.9	11.8	12.3	12.2	11.3‡	12.5	10.4	-2.1
Female	13.1	13.2	14.3	16.0	18.9	19.6	19.1	17.5	17.3	16.6‡	17.4	16.4	14.3	14.2	13.6	13.1	13.2	11.5	12.3	11.8	10.0	10.4‡	9.9	11.8	+1.9
College Plans:																									
None or under 4 years	19.6	20.2	23.1	24.0	27.5	29.5	29.6	27.8	27.3	27.7‡	32.1	27.1	23.8	25.3	24.0	24.7	25.0	22.9	25.4	24.5	24.1	24.5‡	17.2	21.9	+4.7
Complete 4 years	10.7	10.5	12.0	13.3	15.7	16.5	16.3	14.6	15.0	15.0‡	15.5	14.0	12.1	11.9	11.4	11.1	11.5	9.8	10.7	10.7	9.7	9.4‡	10.5	10.1	-0.5
Region:																									
Northeast	10.6	9.6	12.8	13.7	14.1	17.2	16.0	17.2	18.2	14.7‡	16.2	13.4	11.7	13.7	13.0	10.4	11.3	8.2	9.0	9.8	9.4	9.3‡	8.5	9.8	+1.2
Midwest	13.2	12.9	12.8	14.8	19.0	20.0	16.2	14.4	16.1	15.8‡	16.5	15.3	13.1	12.0	12.2	12.7	13.4	11.8	11.5	12.0	10.8	10.4‡	11.0	11.8	+0.9
South	11.9	12.2	14.7	15.3	18.4	18.6	20.8	18.3	16.8	17.5‡	19.5	16.8	15.7	14.8	13.9	13.7	13.3	12.6	13.6	12.4	12.2	12.4‡	12.7	11.9	-0.8
West	12.7	14.1	15.6	17.2	17.2	17.4	18.7	15.8	15.7	18.5‡	19.0	16.7	13.8	13.5	12.0	13.3	13.8	11.5	13.7	14.1	11.7	10.3‡	11.6	10.9	-0.7
Population Density:																									
Large MSA	11.8	11.4	12.2	13.1	13.5	16.8	16.3	14.6	15.0	17.2‡	15.6	14.3	10.8	10.4	10.9	11.5	12.0	9.9	10.7	11.2	10.4	10.0‡	10.4	10.2	-0.2
Other MSA	12.3	12.3	14.1	16.1	18.5	19.5	18.0	16.6	17.3	15.6‡	17.4	16.5	14.2	15.1	13.2	12.9	13.4	12.1	13.4	12.6	11.2	10.9‡	11.9	11.3	-0.6
Non-MSA	12.4	13.1	15.0	14.6	17.6	18.3	20.8	18.9	17.5	18.1‡	21.5	16.1	17.2	14.5	14.7	14.1	14.0	11.8	11.7	12.7	12.6	11.9‡	10.6	12.7	+2.1
Parental Education: ^c																									
1.0–2.0 (Low)	14.4	16.6	18.1	17.1	20.8	22.7	19.1	21.5	19.2	20.4‡	19.6	21.0	19.1	16.5	15.9	16.0	15.6	15.2	18.3	15.8	13.3	16.8‡	15.2	14.1	-1.1
2.5–3.0	13.7	12.5	14.6	16.3	19.7	19.4	19.9	19.1	19.1	19.4‡	20.3	18.3	16.7	15.6	14.4	14.9	15.2	13.2	13.6	14.8	13.1	11.7‡	13.5	12.4	-1.1
3.5–4.0	12.1	12.7	14.8	15.9	18.3	19.9	19.8	16.4	16.5	17.4‡	19.7	16.1	14.5	14.6	13.7	13.4	14.2	12.7	13.0	12.9	12.0	10.9‡	11.6	13.2	+1.6
4.5–5.0	11.0	10.9	11.7	13.3	15.9	16.6	16.5	14.1	15.4	14.5‡	15.6	13.7	11.2	11.6	11.5	10.7	11.6	9.0	9.9	10.2	9.6	9.7‡	9.9	9.2	-0.8
5.5–6.0 (High)	11.6	10.7	12.2	12.8	13.4	15.4	15.4	14.4	15.6	14.5‡	14.6	12.2	10.5	11.0	10.8	11.1	9.9	8.6	10.6	9.4	9.2	9.1‡	9.1	9.0	-0.1
Race/Ethnicity (2-year average): ^d																									
White	—	13.7	14.4	15.4	17.7	20.0	20.5	19.7	18.7	18.6	19.2‡	18.9 ^e	17.2	15.7	14.9	14.4	14.5	13.8	12.9	13.0	12.5	11.5	11.2‡	11.5	—
African American	—	4.3	4.6	5.4	5.4	4.5	4.8	4.7	4.5	4.2	4.7‡	5.7 ^e	4.7	4.6	4.8	4.9	4.2	4.1	4.3	5.0	5.5	5.8	6.5‡	8.4	—
Hispanic	—	11.8	13.7	16.1	16.9	18.8	19.1	17.5	17.9	17.8	15.8‡	15.7 ^e	15.2	15.1	14.9	13.0	11.8	12.4	13.2	13.5	12.9	12.6	12.4‡	11.7	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases.

See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug other than marijuana includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of amphetamines or tranquilizers not under a doctor's orders. The use of narcotics other than heroin and sedatives (barbiturates) has been excluded because 8th and 10th graders appear to overreport their use (perhaps because they include the use of nonprescription drugs in their answers).

^bIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 6
ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^{a,b}
Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)
<i>Approximate weighted N =</i>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>
Total	26.2	25.4	26.0	27.1	28.2	30.4	34.0	30.1	28.4	28.0	27.4	25.9	24.1	21.1	20.0	17.9	16.2	14.9	17.1	18.0
Gender:																				
Male	25.9	25.7	26.3	27.9	29.4	30.2	32.8	31.0	28.9	28.2	27.9	26.2	24.3	22.2	21.0	19.2	17.0	15.5	17.8	18.5
Female	26.2	24.4	25.3	25.7	26.3	30.0	34.3	28.3	27.3	26.9	26.2	24.8	23.3	19.3	18.5	16.0	14.8	13.8	15.8	16.9
College Plans:																				
None or under 4 years	—	28.7	30.1	30.0	31.8	35.5	38.3	34.0	32.3	32.9	31.6	31.3	28.8	24.5	25.5	23.1	20.1	19.5	19.8	22.9
Complete 4 years	—	20.9	20.8	22.7	23.5	25.5	30.1	26.0	24.7	23.3	24.1	22.2	21.3	19.0	17.2	15.2	14.3	13.0	15.9	16.0
Region:																				
Northeast	26.0	26.1	27.8	30.7	32.0	32.1	38.0	33.5	31.2	33.8	32.9	29.5	25.5	20.2	19.2	17.1	15.6	14.7	18.6	17.2
Midwest	29.2	26.1	27.7	26.8	27.6	30.9	36.1	31.1	28.6	26.1	25.9	25.1	22.7	20.3	21.5	18.0	17.4	15.5	16.4	20.1
South	22.5	23.4	22.9	24.0	23.2	25.8	26.1	24.7	23.8	24.2	21.0	20.6	21.1	20.0	18.1	16.9	14.4	14.0	16.0	17.3
West	28.2	26.6	26.0	28.8	33.3	35.2	38.7	32.7	33.0	31.3	33.0	31.6	29.5	24.8	22.3	20.4	17.9	15.8	18.5	17.3
Population Density:																				
Large MSA	30.3	27.5	27.1	30.2	32.1	34.6	38.3	33.8	31.5	30.5	30.4	28.3	24.5	20.7	16.9	16.0	14.2	13.5	15.1	16.7
Other MSA	26.3	25.8	26.8	27.3	28.7	30.1	33.3	30.0	29.7	27.8	26.9	26.4	24.5	22.7	20.9	18.5	17.9	14.9	18.2	19.2
Non-MSA	23.4	23.3	24.2	24.2	24.7	27.5	31.4	27.0	24.4	26.2	25.5	23.1	23.0	18.4	21.1	18.4	14.9	16.1	16.8	17.2
Parental Education: ^c																				
1.0–2.0 (Low)	—	23.2	23.2	24.7	25.2	28.2	29.2	25.7	25.6	27.3	25.8	23.2	21.5	19.7	18.2	15.2	17.4	14.9	15.6	17.8
2.5–3.0	—	25.6	27.0	26.4	27.6	30.7	33.5	30.4	28.1	28.2	27.4	27.0	24.2	20.5	20.0	17.9	16.8	15.0	16.1	18.5
3.5–4.0	—	26.1	26.2	27.8	29.2	30.7	34.7	30.9	28.6	29.3	28.9	26.6	24.7	20.5	21.4	19.1	16.3	15.0	17.8	17.6
4.5–5.0	—	27.2	25.9	27.3	28.7	29.9	34.8	29.4	30.0	26.2	27.1	24.9	23.8	21.7	19.3	17.5	14.6	14.3	17.5	18.4
5.5–6.0 (High)	—	25.6	24.8	28.6	30.4	30.8	36.7	31.3	29.0	26.2	23.8	23.8	24.9	22.0	19.6	17.2	14.9	14.3	17.6	16.5
Race/Ethnicity (2-year average): ^d																				
White	—	—	26.6	27.7	28.8	30.6	34.5	32.1	31.2	30.2	29.6	28.2	26.6	24.4	22.5	21.0	18.7	17.1	17.9	19.4
African American	—	—	14.2	13.4	13.0	13.8	13.2	14.5	15.2	12.9	12.0	12.1	11.1	10.3	8.6	6.5	5.7	5.3	4.8	6.1
Hispanic	—	—	23.8	23.5	23.3	24.7	27.6	25.5	25.2	26.2	27.2	26.2	23.0	20.5	17.7	15.6	15.8	15.1	15.6	16.5

(Table continued on next page.)

TABLE 6 (cont.)
ANY ILLICIT DRUG OTHER THAN MARIJUANA: ^{a,b} Trends in Annual Prevalence of Use
by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001 ^e	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	19.4	19.8	20.7	20.2	20.7	20.4‡	21.6	20.9	19.8	20.5	19.7	19.2	18.5	18.3	17.0	17.3	17.6	17.0‡	17.8	15.9	-1.9
Gender:																					
Male	20.7	21.7	21.7	21.7	22.5	21.5‡	23.3	22.0	21.1	21.5	21.4	19.7	20.0	19.9	18.8	19.3	19.1	18.4‡	18.9	16.9	-2.0
Female	17.3	16.8	18.8	18.0	18.5	18.6‡	19.0	19.0	17.9	18.7	17.5	18.3	16.7	16.2	14.9	15.0	15.5	14.9‡	15.9	14.2	-1.7
College Plans:																					
None or under 4 years	23.9	24.2	25.8	26.5	24.4	24.7‡	24.5	27.2	26.5	26.0	25.3	25.4	26.0	25.0	22.1	23.6	25.1	19.4‡	24.4	19.8	-4.6 s
Complete 4 years	17.5	17.9	18.4	17.8	19.4	18.5‡	19.9	19.0	17.4	18.4	18.0	17.4	16.7	16.5	15.7	15.7	15.8	16.1‡	16.2	14.5	-1.7
Region:																					
Northeast	20.2	22.9	24.1	20.7	19.5	21.7‡	22.4	21.5	19.3	20.4	18.0	20.3	19.4	18.9	16.8	17.6	16.4	15.1‡	16.7	13.9	-2.8
Midwest	19.1	19.2	18.9	19.8	20.9	18.9‡	24.0	19.9	18.7	19.1	21.4	17.9	18.4	16.8	19.1	16.9	17.5	17.2‡	18.9	16.2	-2.6
South	19.0	18.6	19.8	20.3	21.2	19.0‡	18.6	21.3	19.4	20.8	20.5	19.7	18.8	19.1	16.4	17.4	16.2	16.0‡	17.5	17.2	-0.3
West	19.9	19.2	20.9	20.0	20.8	23.2‡	22.6	21.1	22.4	21.9	18.0	19.1	17.3	18.1	15.6	17.4	20.6	19.5‡	17.9	15.1	-2.8
Population Density:																					
Large MSA	20.2	18.9	18.6	19.0	17.6	19.4‡	23.6	20.6	15.9	18.0	18.6	20.1	18.4	16.9	15.9	17.3	16.6	18.3‡	18.1	14.6	-3.4
Other MSA	19.2	20.2	21.5	20.4	21.6	20.9‡	21.2	21.6	22.0	22.3	20.6	18.7	18.1	18.2	17.4	17.7	18.6	17.2‡	18.8	17.7	-1.0
Non-MSA	18.7	19.8	21.2	21.3	22.4	20.7‡	20.3	20.2	20.9	19.7	19.3	18.9	19.5	19.8	17.4	16.3	16.7	14.7‡	15.0	13.0	-2.0
Parental Education: ^c																					
1.0–2.0 (Low)	19.4	16.9	19.9	20.0	22.2	20.0‡	17.3	17.8	19.4	18.7	14.8	19.7	16.7	16.4	14.7	14.9	16.0	16.5‡	15.9	14.7	-1.2
2.5–3.0	19.4	19.7	19.4	20.1	21.0	19.9‡	20.9	20.3	19.6	20.0	20.5	19.4	19.7	17.7	17.3	17.7	16.6	18.0‡	18.6	16.8	-1.8
3.5–4.0	19.2	19.8	20.4	21.0	21.9	20.5‡	24.5	22.0	21.7	23.0	21.5	20.2	18.4	18.7	17.6	18.4	18.8	17.6‡	18.3	15.7	-2.6
4.5–5.0	19.4	19.3	21.0	19.1	19.3	20.1‡	20.1	21.2	18.5	19.7	19.7	18.6	18.5	18.2	17.8	16.8	16.6	16.8‡	18.7	15.1	-3.6 s
5.5–6.0 (High)	18.3	20.2	21.7	18.9	19.4	20.3‡	18.7	19.8	17.0	17.6	17.5	18.0	17.4	17.9	15.4	15.7	18.3	15.2‡	16.3	16.8	+0.5
Race/Ethnicity (2-year average): ^d																					
White	20.3	21.2	22.3	23.1	22.9	22.7	23.0‡	24.1 ^f	23.0	22.8	22.7	22.0	21.6	21.5	20.5	19.9	20.0	19.6	18.7‡	17.6	—
African American	6.9	6.0	6.4	7.1	6.8	6.4	6.3‡	6.0 ^f	6.3	6.5	7.1	7.2	7.0	7.0	6.8	8.3	8.7	7.6	9.5‡	13.0	—
Hispanic	17.9	19.7	18.9	17.5	18.5	21.2	18.2‡	16.1 ^f	16.0	16.2	16.7	17.3	15.8	13.7	13.6	12.8	12.8	13.6	14.7‡	15.1	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. The 2013 data are based on half the forms; N is one half of N indicated. 2014 data are based on all forms. See the amphetamine notes for details of the changes.

^aUse of any illicit drug other than marijuana includes any use of LSD, other hallucinogens, crack, other cocaine, or heroin; or any use of narcotics other than heroin, amphetamines, sedatives (barbiturates), methaqualone (excluded since 1990), or tranquilizers not under a doctor's orders.

^bBeginning in 1982 the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence-of-use rate dropped slightly as a result of this methodological change.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens and shrooms was added to the list of examples. For the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^fDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 7
MARIJUANA: Trends in Lifetime Prevalence of Use by Subgroups in Grade 8

	Percentage who ever used																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	10.2	11.2	12.6	16.7	19.9	23.1	22.6	22.2	22.0	20.3	20.4	19.2	17.5	16.3	16.5	15.7	14.2	14.6	15.7	17.3	16.4	15.2	16.5	15.6	-0.9
Gender:																									
Male	11.9	11.9	14.5	19.6	22.5	25.5	24.7	24.3	24.3	22.2	23.6	22.2	19.3	17.6	18.0	17.1	15.2	16.3	17.9	18.9	18.1	16.5	17.0	15.8	-1.2
Female	8.3	10.3	10.8	13.7	17.2	20.5	20.2	19.6	19.8	18.1	17.2	16.2	15.6	14.9	14.8	14.0	12.8	12.7	13.4	15.8	14.1	13.6	15.6	14.7	-0.9
College Plans:																									
None or under 4 years	22.9	24.5	27.9	33.1	36.2	41.6	41.8	43.5	44.1	41.2	40.8	39.8	38.0	36.9	38.5	35.4	35.3	35.0	32.2	36.8	35.5	32.9	34.3	29.2	-5.1
Complete 4 years	8.1	9.0	10.4	14.3	17.7	20.2	19.9	19.4	19.1	17.6	17.9	17.1	15.2	14.1	14.0	13.6	12.2	12.7	14.3	15.7	14.8	13.8	15.2	14.4	-0.8
Region:																									
Northeast	7.4	9.2	8.8	15.3	16.0	19.9	20.2	15.6	18.2	17.3	18.7	15.2	13.7	13.6	12.8	12.6	8.8	11.7	14.2	15.5	10.4	10.0	13.1	12.8	-0.3
Midwest	9.9	9.4	11.5	15.6	21.7	23.1	21.3	23.7	24.6	21.0	18.3	17.9	16.8	15.4	17.6	15.6	13.5	16.6	15.3	15.1	13.8	12.2	13.3	14.5	+1.2
South	10.8	11.8	12.5	14.9	19.4	22.1	22.7	23.9	23.0	20.5	22.4	22.1	20.0	18.0	18.5	18.4	16.6	15.8	17.2	19.9	17.8	17.6	19.4	15.8	-3.6 s
West	12.4	15.1	18.7	22.7	22.4	27.4	25.9	23.1	20.6	21.5	20.7	19.5	17.5	16.8	15.0	13.6	14.0	12.9	14.9	16.6	21.5	18.3	17.4	18.1	+0.7
Population Density:																									
Large MSA	8.9	10.5	10.6	16.7	19.6	24.0	21.6	20.4	20.5	18.8	17.3	17.3	17.1	15.0	15.7	14.7	11.6	12.9	13.1	16.5	14.7	14.4	17.4	17.6	+0.2
Other MSA	11.4	12.6	15.0	19.8	21.2	24.6	23.2	22.9	21.2	19.4	22.3	19.7	17.1	17.0	17.1	16.2	15.3	15.9	17.1	18.3	17.8	15.8	15.0	14.7	-0.3
Non-MSA	9.3	9.4	10.1	11.0	18.1	19.1	22.4	22.7	25.6	23.8	20.3	20.7	18.9	16.7	16.3	16.2	15.4	14.2	16.3	16.3	16.1	15.3	18.2	14.3	-3.9 s
Parental Education: ^a																									
1.0–2.0 (Low)	20.6	19.9	18.6	24.9	28.7	26.6	31.6	30.6	35.1	32.7	31.8	31.2	31.1	25.7	25.3	25.6	26.6	24.5	24.1	26.2	27.8	27.8	29.1	25.2	-3.9
2.5–3.0	11.9	13.6	14.6	18.1	23.0	25.9	25.7	26.0	28.3	25.0	25.3	25.5	22.2	21.7	23.0	20.8	19.8	19.7	21.2	23.1	23.0	22.2	23.4	21.8	-1.6
3.5–4.0	10.1	10.4	13.3	16.8	21.4	25.2	25.0	23.9	21.7	20.7	22.0	19.8	18.3	17.0	17.5	17.2	15.5	16.0	17.2	18.9	18.1	16.7	18.6	18.0	-0.6
4.5–5.0	6.6	7.9	10.0	13.8	16.3	20.1	19.8	17.9	16.2	14.8	15.3	14.9	12.7	12.7	11.7	11.1	9.2	11.0	11.4	13.3	11.7	10.6	11.6	10.4	-1.2
5.5–6.0 (High)	6.7	7.3	8.7	14.1	14.9	18.8	15.5	16.8	15.2	14.6	12.8	11.8	11.3	10.5	9.8	9.3	6.5	8.3	9.7	10.3	8.6	7.6	9.4	10.0	+0.6
Race (2-year average): ^b																									
White	—	9.9	11.0	12.9	16.6	20.5	22.0	21.1	20.0	19.0	18.5	18.0	16.6	15.1	14.6	14.1	12.9	12.5	13.3	14.4	14.3	12.7	11.7	11.4	-0.2
Black	—	7.4	9.3	13.2	17.1	19.7	21.7	23.0	23.9	23.8	22.2	20.2	19.7	19.9	20.5	19.5	16.4	15.9	18.1	19.9	18.9	17.2	18.9	18.8	-0.1
Hispanic	—	19.0	20.3	23.3	26.3	27.2	28.6	29.6	29.7	27.1	26.2	27.4	26.1	23.7	20.5	19.3	19.1	18.1	18.5	20.4	21.8	22.8	22.1	21.2	-0.9

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S1 for the number of subgroup cases.

See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 8
MARIJUANA: Trends in Lifetime Prevalence of Use by Subgroups in Grade 10

	Percentage who ever used																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	23.4	21.4	24.4	30.4	34.1	39.8	42.3	39.6	40.9	40.3	40.1	38.7	36.4	35.1	34.1	31.8	31.0	29.9	32.3	33.4	34.5	33.8	35.8	33.7	-2.2
Gender:																									
Male	25.3	23.3	27.0	33.6	36.2	42.3	45.1	41.6	43.3	44.2	43.9	41.7	38.5	37.2	36.1	32.9	33.5	31.7	35.8	36.9	37.8	37.1	38.9	35.2	-3.7 s
Female	21.4	19.3	21.7	26.8	31.6	37.3	39.3	37.6	38.4	36.3	36.4	35.8	34.1	32.9	31.8	30.6	28.4	28.0	29.0	29.8	31.2	30.6	32.6	31.9	-0.7
College Plans:																									
None or under 4 years	37.7	34.6	39.4	44.9	49.5	55.9	60.6	56.1	59.6	58.1	56.7	57.5	53.3	51.7	50.5	51.6	50.3	51.7	52.8	54.5	54.1	51.3	53.3	50.5	-2.8
Complete 4 years	20.2	18.4	21.1	27.1	31.4	37.0	39.2	36.5	37.8	37.5	37.4	35.7	33.5	32.8	31.7	29.2	28.3	27.0	30.0	30.9	32.2	31.9	33.9	31.8	-2.1
Region:																									
Northeast	22.3	19.3	26.5	30.0	33.1	39.6	41.2	41.9	41.0	37.4	38.8	38.2	36.1	36.0	35.0	30.6	30.6	31.5	29.4	30.8	33.7	35.7	32.7	31.8	-1.0
Midwest	23.2	20.8	21.7	27.4	30.8	38.0	41.3	35.7	40.3	38.0	38.8	36.6	32.3	32.1	33.4	30.7	29.9	27.8	28.5	31.1	31.9	28.6	32.8	30.0	-2.8
South	21.3	19.4	23.1	29.8	34.9	41.3	41.9	39.8	39.6	39.8	39.6	38.0	38.9	37.4	35.6	33.0	30.7	31.1	35.0	35.2	35.7	34.5	38.6	34.6	-4.0
West	27.4	27.4	29.4	36.7	38.4	39.4	45.7	41.4	43.6	46.9	45.2	43.2	37.8	34.8	31.5	32.3	32.7	29.0	34.9	35.4	36.4	36.7	37.8	37.4	-0.4
Population Density:																									
Large MSA	23.6	20.5	23.5	30.9	32.4	38.3	42.2	36.8	40.3	39.9	36.4	37.0	35.6	33.6	33.2	29.6	31.0	30.1	31.4	31.2	32.5	33.8	34.1	33.3	-0.8
Other MSA	24.9	22.0	25.5	33.6	37.2	42.5	44.1	41.7	42.0	41.2	42.4	40.9	36.5	35.1	34.7	31.7	30.9	30.2	33.4	35.3	36.5	34.1	37.5	34.4	-3.0
Non-MSA	20.6	21.1	23.2	24.0	30.0	36.2	39.1	38.8	39.2	38.9	39.8	36.4	37.2	37.0	33.9	35.3	31.0	28.6	31.2	32.7	33.7	32.9	34.4	32.5	-2.0
Parental Education: ^a																									
1.0–2.0 (Low)	30.3	28.7	32.0	35.8	39.3	40.8	46.2	43.2	49.0	46.1	44.0	45.9	43.1	45.6	40.1	41.7	37.4	39.7	43.8	43.6	44.4	47.5	45.3	40.9	-4.5
2.5–3.0	26.2	22.9	26.0	32.8	38.0	42.3	45.7	45.2	45.2	44.3	45.7	44.8	41.9	40.3	40.0	39.1	37.8	35.8	37.2	40.4	41.6	39.8	43.7	41.2	-2.4
3.5–4.0	23.4	21.4	24.6	30.8	35.5	42.4	44.8	40.1	40.9	44.0	40.6	38.1	37.9	37.6	34.9	33.0	32.8	32.3	33.9	35.5	36.9	35.6	38.1	38.0	-0.1
4.5–5.0	20.3	18.8	20.4	27.0	31.7	37.4	38.9	35.0	36.8	35.7	37.3	35.2	31.2	30.0	30.4	26.7	26.3	24.0	28.0	26.6	28.7	30.4	31.5	27.9	-3.6 s
5.5–6.0 (High)	20.0	17.7	21.9	25.9	26.8	34.7	35.4	33.8	36.2	32.7	33.8	31.4	29.7	27.5	28.2	25.0	22.2	21.8	25.1	27.0	25.9	26.2	26.5	25.4	-1.2
Race (2-year average): ^b																									
White	—	23.0	23.2	27.2	32.3	37.1	41.1	40.9	39.9	40.1	39.7	39.3	37.4	35.1	33.7	32.4	31.2	29.6	29.7	31.3	32.1	31.8	31.7	31.6	-0.1
Black	—	16.2	16.2	22.1	28.6	34.3	38.1	37.1	37.3	39.5	40.1	38.1	36.9	38.0	38.3	36.0	32.9	30.0	29.7	32.6	37.0	38.3	38.7	38.3	-0.4
Hispanic	—	26.9	28.8	33.5	37.5	42.2	46.5	46.6	46.5	46.0	44.9	41.9	39.4	39.9	38.8	34.7	32.1	34.8	37.8	38.9	38.9	40.4	42.9	42.1	-0.9

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S2 for the number of subgroup cases.

See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 9
MARIJUANA: Trends in Lifetime Prevalence of Use by Subgroups in Grade 12

	Percentage who ever used																			→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	47.3	52.8	56.4	59.2	60.4	60.3	59.5	58.7	57.0	54.9	54.2	50.9	50.2	47.2	43.7	40.7	36.7	32.6	35.3	38.2
Gender:																				
Male	52.7	58.9	61.9	64.4	65.0	64.4	62.5	61.5	59.9	57.9	56.6	53.3	52.0	49.8	46.6	43.6	40.3	36.3	38.9	42.8
Female	42.7	46.1	50.8	53.9	55.7	56.1	56.2	55.5	53.4	51.3	51.5	48.2	48.0	44.5	40.4	37.3	32.8	28.6	31.2	33.7
College Plans:																				
None or under 4 years	—	55.3	59.6	61.4	62.9	64.3	63.5	63.8	61.2	60.7	59.1	56.0	57.0	53.6	51.5	48.0	43.6	41.8	41.7	44.6
Complete 4 years	—	48.7	52.0	55.5	56.8	56.8	55.9	54.0	52.2	49.7	50.2	47.5	46.4	44.0	39.7	37.2	33.8	28.8	32.7	35.6
Region:																				
Northeast	56.3	60.7	62.5	66.7	69.8	67.4	67.8	64.6	63.7	64.0	62.2	56.8	55.7	49.6	45.4	44.5	40.4	34.5	41.1	44.3
Midwest	46.9	52.1	56.0	60.6	60.9	60.2	59.9	59.8	57.0	52.3	53.8	52.0	50.1	48.0	46.8	42.6	39.3	32.1	34.5	37.3
South	38.8	45.7	51.4	52.4	51.6	53.6	50.8	51.1	50.8	49.1	44.5	43.7	43.6	42.4	38.2	35.4	31.2	29.9	32.9	36.1
West	52.5	55.9	57.1	59.0	62.1	62.9	63.2	61.7	59.2	59.8	60.4	53.8	55.1	52.0	48.4	43.0	39.3	36.8	35.7	37.7
Population Density:																				
Large MSA	58.1	60.1	62.5	66.2	68.5	67.9	65.9	64.0	62.3	59.3	59.2	55.8	53.2	47.8	41.4	40.8	36.1	32.5	36.5	38.6
Other MSA	48.1	52.3	57.7	60.2	62.0	61.0	59.6	59.6	58.8	56.0	54.6	51.5	52.0	49.7	45.0	42.5	41.4	32.6	36.3	40.7
Non-MSA	39.6	47.8	49.7	51.9	52.1	53.9	54.6	53.1	50.5	49.8	49.3	45.9	43.5	41.9	43.2	36.9	29.4	32.7	32.7	33.2
Parental Education: ^a																				
1.0–2.0 (Low)	42.3	47.8	50.1	53.1	56.5	57.3	56.5	55.4	56.2	52.6	52.9	47.0	46.1	48.0	39.5	38.1	38.0	36.6	34.6	35.4
2.5–3.0	47.0	54.4	56.9	59.1	60.1	61.0	59.0	58.8	56.7	55.6	54.5	52.1	51.6	47.0	45.5	42.2	36.8	32.9	34.8	38.5
3.5–4.0	45.6	53.2	58.8	60.5	61.9	60.8	60.0	60.7	56.6	56.3	55.6	51.7	51.0	47.9	45.6	42.1	36.8	33.2	36.7	39.3
4.5–5.0	48.5	55.5	57.6	61.6	61.8	60.9	60.9	59.8	58.0	53.2	54.5	50.7	49.7	47.7	42.2	40.4	35.5	30.0	34.3	38.3
5.5–6.0 (High)	46.9	57.3	56.9	63.3	61.5	62.0	61.6	58.4	56.7	53.7	50.0	49.5	49.5	45.0	40.7	37.9	38.0	29.6	34.9	37.6
Race (2-year average): ^b																				
White	—	—	55.1	58.7	60.6	61.3	61.3	60.7	58.8	56.5	55.5	53.8	52.2	51.1	48.3	45.4	41.3	36.3	35.6	38.3
Black	—	—	48.5	50.8	50.7	51.4	51.1	51.4	53.9	52.6	49.7	46.9	42.6	38.8	33.4	27.7	24.9	23.0	24.1	29.4
Hispanic	—	—	55.6	54.7	55.3	56.7	53.9	53.9	54.4	54.5	53.4	51.0	47.7	46.0	42.8	38.5	39.9	40.5	36.8	36.6

(Table continued on next page.)

TABLE 9 (cont.)
MARIJUANA: Trends in Lifetime Prevalence of Use by Subgroups in Grade 12

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2013– 2014 change
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	41.7	44.9	49.6	49.1	49.7	48.8	49.0	47.8	46.1	45.7	44.8	42.3	41.8	42.6	42.0	43.8	45.5	45.2	45.5	44.4	-1.1
Gender:																					
Male	45.2	48.6	52.0	53.2	52.1	51.5	51.9	50.7	50.1	48.5	49.1	43.7	44.8	44.8	45.4	47.1	48.7	49.2	49.1	46.2	-3.0
Female	37.7	40.7	46.6	44.6	47.0	45.7	45.7	44.7	42.0	42.6	40.2	40.6	38.6	40.1	38.1	40.0	41.8	40.5	41.3	42.3	+0.9
College Plans:																					
None or under 4 years	48.8	53.1	56.5	55.6	57.2	55.2	55.9	55.5	55.6	52.6	54.7	53.3	49.8	54.2	50.4	54.7	52.6	53.6	54.1	52.0	-2.0
Complete 4 years	38.8	41.8	47.2	46.4	47.0	45.9	46.6	45.6	42.9	43.5	42.1	39.2	39.5	39.6	39.8	41.0	43.5	43.0	43.1	42.0	-1.0
Region:																					
Northeast	44.5	48.9	54.3	54.1	50.8	52.5	54.9	52.4	50.0	51.2	50.4	48.5	48.9	46.7	45.4	50.3	48.8	47.3	49.5	46.7	-2.8
Midwest	43.3	45.4	47.0	45.1	48.1	46.9	48.2	48.2	48.2	45.6	44.0	42.5	42.5	41.3	42.1	40.8	43.0	39.4	38.8	43.5	+4.7
South	39.2	41.9	46.3	48.3	48.8	43.6	44.9	44.6	40.9	42.0	43.1	41.0	40.0	42.0	40.2	41.6	42.8	43.5	45.0	43.2	-1.8
West	41.5	45.3	54.6	51.0	52.3	56.1	51.2	48.3	48.6	46.5	43.4	38.9	37.9	42.0	41.7	45.1	50.1	52.1	50.0	45.1	-5.0
Population Density:																					
Large MSA	44.1	46.4	48.9	50.7	50.3	49.1	50.1	48.1	43.4	42.8	45.5	44.4	43.6	44.4	45.6	45.4	47.9	48.1	48.5	44.1	-4.4
Other MSA	42.1	47.8	52.6	50.3	50.6	50.2	49.1	50.5	49.5	49.3	45.9	42.3	41.2	41.2	40.4	45.1	46.3	45.4	46.5	46.6	+0.1
Non-MSA	38.3	38.2	44.5	44.5	47.4	45.9	47.5	42.2	43.5	42.2	41.8	39.5	40.2	43.8	40.8	38.2	40.3	40.1	38.5	39.2	+0.7
Parental Education: ^a																					
1.0–2.0 (Low)	39.8	42.1	46.0	45.6	50.5	51.9	48.8	42.8	44.5	43.1	39.6	46.8	44.6	42.6	42.7	44.5	48.3	52.6	50.8	48.4	-2.4
2.5–3.0	41.8	44.8	49.7	50.2	51.5	50.4	50.5	49.4	47.8	47.3	47.8	46.1	45.0	46.3	44.2	45.6	48.6	48.2	49.0	48.9	0.0
3.5–4.0	41.7	45.0	49.3	50.5	51.2	49.3	50.4	50.1	47.1	49.0	47.5	43.3	41.5	42.9	44.0	45.6	47.3	46.3	47.9	45.5	-2.5
4.5–5.0	40.7	45.5	49.7	48.0	46.2	45.8	47.9	47.1	45.4	43.3	43.4	37.1	39.4	40.1	38.7	42.8	42.2	42.7	41.4	41.3	-0.1
5.5–6.0 (High)	43.2	44.2	51.1	47.8	47.6	47.2	45.1	45.4	41.9	42.8	40.7	40.5	39.0	40.2	38.4	36.9	40.9	38.6	39.0	39.0	-0.1
Race (2-year average): ^b																					
White	41.1	43.9	48.3	50.9	50.3	49.4	49.8	49.9	48.8	48.2	47.5	45.3	43.3	43.4	43.3	43.3	44.8	45.2	44.0	43.7	-0.3
Black	34.7	39.0	41.3	42.7	45.1	45.7	43.5	41.7	40.0	39.1	39.0	38.9	37.7	38.0	40.0	41.0	41.8	42.1	43.8	43.7	-0.1
Hispanic	39.8	43.5	48.6	50.2	51.1	55.0	52.0	47.6	44.2	42.7	42.8	43.1	41.3	40.1	40.7	42.3	45.6	48.7	50.7	48.7	-1.9

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S3 for the number of subgroup cases.

See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 10
MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	6.2	7.2	9.2	13.0	15.8	18.3	17.7	16.9	16.5	15.6	15.4	14.6	12.8	11.8	12.2	11.7	10.3	10.9	11.8	13.7	12.5	11.4	12.7	11.7	-1.0
Gender:																									
Male	7.3	7.4	10.5	15.1	17.7	19.6	19.2	18.0	18.1	16.7	18.1	17.0	13.9	12.3	13.0	12.7	11.2	12.2	13.5	15.0	14.0	12.2	12.6	11.9	-0.7
Female	5.1	6.9	8.0	10.9	13.7	16.9	16.1	15.3	14.9	14.3	12.8	12.4	11.5	11.2	11.4	10.4	9.3	9.5	10.0	12.4	10.6	10.4	12.5	11.0	-1.4
College Plans:																									
None or under 4 years	15.8	17.5	22.4	27.7	30.3	34.6	34.5	35.0	34.9	33.6	34.4	33.1	31.3	29.0	30.5	28.8	28.1	27.7	26.7	30.7	27.6	28.4	27.8	24.1	-3.7
Complete 4 years	4.6	5.5	7.3	11.0	13.8	15.8	15.5	14.5	14.0	13.4	13.2	12.7	10.7	10.0	10.2	10.0	8.6	9.4	10.5	12.3	11.2	10.1	11.6	10.6	-1.0
Region:																									
Northeast	5.0	5.8	6.2	12.1	13.0	15.3	16.2	11.7	14.4	13.2	14.5	11.3	10.0	10.2	9.8	9.3	6.4	8.3	11.9	12.2	7.8	7.9	10.1	10.3	+0.2
Midwest	5.9	6.0	8.0	12.0	17.5	18.6	17.0	18.1	18.5	16.6	14.1	14.3	12.3	10.9	12.8	11.0	9.8	12.6	11.1	12.1	10.7	8.5	10.5	10.7	+0.2
South	6.1	7.3	9.0	11.4	14.7	17.1	17.2	17.9	16.7	15.2	16.8	16.3	14.4	12.9	13.5	13.8	11.9	11.5	12.5	15.2	13.3	13.2	14.5	11.5	-3.1 s
West	7.8	10.3	14.8	18.1	18.4	22.5	20.6	18.2	15.6	16.9	15.5	15.3	12.9	12.3	11.4	10.6	10.5	10.3	11.2	13.7	16.8	14.1	13.7	14.0	+0.3
Population Density:																									
Large MSA	5.2	6.7	8.0	13.1	15.6	18.3	16.4	16.0	15.6	14.5	12.4	12.7	11.5	10.8	11.7	10.3	8.7	9.9	10.1	13.5	11.4	10.7	13.5	13.6	+0.1
Other MSA	7.2	8.3	10.9	15.7	17.2	19.5	18.2	17.4	15.4	14.8	17.4	15.2	12.9	12.4	12.9	12.5	10.8	11.8	12.8	14.3	14.0	12.3	11.7	10.8	-0.9
Non-MSA	5.3	5.7	7.2	8.0	13.7	15.8	18.0	16.9	19.7	18.5	15.3	16.1	14.1	11.9	11.6	12.0	11.4	10.4	11.8	12.3	11.2	10.8	13.6	10.9	-2.7
Parental Education: ^a																									
1.0–2.0 (Low)	13.2	12.7	13.6	18.7	23.0	20.2	24.8	25.0	25.8	26.2	26.0	24.2	22.5	19.7	18.2	19.4	19.4	18.5	17.6	20.7	20.2	19.2	21.9	19.3	-2.6
2.5–3.0	7.0	7.7	10.7	14.5	17.9	20.6	20.3	20.0	20.8	19.4	19.5	18.7	16.5	15.4	17.4	15.1	13.8	14.6	15.8	18.4	17.5	16.3	18.3	16.7	-1.6
3.5–4.0	6.2	7.0	9.7	13.2	17.2	20.2	19.5	17.7	16.3	15.9	16.7	15.4	13.7	12.8	12.8	13.1	11.3	11.8	13.0	14.7	14.0	13.0	15.1	12.9	-2.3
4.5–5.0	3.7	5.4	7.4	10.9	12.7	16.2	15.7	13.7	11.7	10.8	11.1	11.4	8.9	9.0	8.9	8.0	7.2	8.2	8.7	10.6	9.1	8.2	8.6	8.0	-0.6
5.5–6.0 (High)	4.6	5.2	6.4	11.0	13.0	14.7	12.1	12.7	12.4	11.5	9.4	9.7	8.0	7.7	7.1	7.1	4.9	6.7	7.4	8.1	6.6	5.8	6.6	7.9	+1.3
Race/Ethnicity (2-year average): ^b																									
White	—	6.4	7.8	10.0	13.5	16.7	17.8	16.7	15.4	14.9	14.7	14.5	13.0	11.5	11.1	10.9	9.9	9.6	10.3	11.5	11.4	10.0	9.1	8.9	-0.2
African American	—	4.1	5.7	8.9	11.9	14.0	15.3	16.0	16.3	16.1	14.6	12.7	12.6	12.8	13.6	12.9	11.1	10.6	12.3	14.1	13.6	12.4	13.6	13.2	-0.4
Hispanic	—	11.9	13.9	18.1	20.4	20.8	21.8	22.7	22.8	20.1	19.9	21.1	19.1	16.7	14.7	14.3	13.7	13.2	13.6	15.3	16.9	17.2	16.8	16.0	-0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 11
MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	16.5	15.2	19.2	25.2	28.7	33.6	34.8	31.1	32.1	32.2	32.7	30.3	28.2	27.5	26.6	25.2	24.6	23.9	26.7	27.5	28.8	28.0	29.8	27.3	-2.5 s
Gender:																									
Male	17.7	16.3	21.2	28.2	30.6	36.0	37.3	32.2	34.3	36.1	36.0	32.3	30.0	29.0	28.1	26.3	26.8	25.5	29.6	30.7	31.8	31.0	32.7	28.3	-4.4 ss
Female	15.1	13.9	16.9	21.9	26.5	31.4	32.3	30.1	29.7	28.4	29.6	28.4	26.4	25.8	24.9	24.0	22.4	22.2	23.9	24.3	25.8	25.3	27.0	26.0	-1.0
College Plans:																									
None or under 4 years	26.9	25.1	31.5	37.3	41.8	48.9	51.5	46.8	48.3	48.8	47.4	46.6	44.6	41.9	41.4	42.0	42.1	43.5	44.5	45.8	47.9	43.6	46.5	41.4	-5.1
Complete 4 years	14.2	13.0	16.5	22.4	26.4	31.0	32.0	28.2	29.3	29.7	30.3	27.7	25.5	25.4	24.6	23.0	22.2	21.4	24.7	25.3	26.7	26.5	28.0	25.7	-2.3 s
Region:																									
Northeast	17.1	14.9	22.4	25.6	28.8	34.8	34.6	35.4	34.4	30.3	34.1	31.7	29.5	29.2	28.7	24.9	25.0	26.3	24.1	26.2	29.3	31.4	28.7	27.4	-1.3
Midwest	15.8	14.8	17.4	23.4	26.6	33.1	34.4	28.5	31.6	31.1	31.7	29.0	25.0	25.3	26.4	24.8	24.9	22.6	23.6	25.7	26.8	23.7	27.5	24.5	-2.9
South	14.5	12.5	16.4	23.8	28.4	33.9	34.4	30.7	30.9	31.4	31.2	28.9	29.6	29.0	27.4	25.5	22.7	24.0	28.7	27.8	28.6	27.9	31.1	27.6	-3.4
West	19.4	20.4	24.0	30.0	32.2	32.4	36.5	30.7	32.0	37.1	36.4	33.4	28.8	26.4	23.4	25.3	26.2	23.4	29.4	30.3	30.9	30.2	31.3	29.4	-1.9
Population Density:																									
Large MSA	16.5	15.1	19.0	26.3	27.8	31.5	34.1	28.7	31.2	32.4	30.0	29.0	27.1	25.9	25.3	24.0	24.5	24.2	26.6	26.6	27.4	28.6	28.7	27.5	-1.2
Other MSA	17.3	15.9	19.8	28.2	31.2	36.2	36.6	33.1	33.6	32.8	35.2	32.4	28.7	27.8	28.0	25.1	24.9	24.7	27.8	29.1	30.6	28.1	31.5	28.0	-3.5 s
Non-MSA	14.9	13.9	18.2	18.5	24.8	30.9	32.5	30.2	30.0	31.1	30.9	27.6	29.0	29.0	25.5	27.4	23.9	21.7	24.5	25.7	27.2	27.0	27.3	25.1	-2.2
Parental Education: ^a																									
1.0–2.0 (Low)	20.3	18.9	22.4	25.8	32.0	32.9	34.5	31.7	38.1	37.1	33.6	33.5	33.7	33.2	28.6	31.9	28.4	30.2	36.0	34.8	35.8	37.1	36.9	31.5	-5.4
2.5–3.0	17.8	16.0	19.7	26.3	31.8	35.6	36.8	35.3	35.4	34.9	37.1	35.1	32.2	30.6	31.1	29.6	29.4	28.3	29.9	33.0	34.0	33.0	35.7	32.0	-3.7
3.5–4.0	16.2	15.1	19.3	25.6	30.0	36.4	37.8	31.6	31.9	35.0	32.6	30.1	29.4	29.5	27.1	26.6	26.3	26.0	27.3	29.3	31.0	29.7	31.8	30.6	-1.2
4.5–5.0	14.9	14.1	17.6	23.8	27.0	31.7	33.1	28.3	28.8	28.9	31.4	27.9	24.3	24.3	24.5	21.8	21.2	19.8	24.2	22.2	24.6	25.5	26.3	23.3	-3.0
5.5–6.0 (High)	15.9	13.7	18.5	23.3	23.4	30.3	30.5	27.7	30.6	27.3	29.4	25.8	24.3	22.5	23.6	21.2	18.9	18.9	21.8	23.1	23.1	22.9	23.2	21.6	-1.6
Race/Ethnicity (2-year average): ^b																									
White	—	17.0	18.0	22.6	27.7	32.0	35.3	34.2	32.5	32.6	32.9	32.7	30.6	28.2	27.3	26.6	25.7	24.6	25.1	26.5	27.4	27.5	27.3	26.7	-0.6
African American	—	7.6	8.7	15.3	20.9	25.7	28.4	26.9	26.3	27.6	28.7	26.5	25.1	27.0	27.2	24.5	22.3	20.6	22.0	25.0	28.1	29.1	30.5	30.6	+0.1
Hispanic	—	18.9	21.3	25.1	29.2	34.6	36.8	34.4	34.0	34.8	34.9	31.6	28.8	29.8	28.6	24.9	23.7	26.6	29.9	31.1	31.0	31.8	33.4	32.6	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 12
MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)	
	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>	<u>1982</u>	<u>1983</u>	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>	<u>1994</u>	
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	40.0	44.5	47.6	50.2	50.8	48.8	46.1	44.3	42.3	40.0	40.6	38.8	36.3	33.1	29.6	27.0	23.9	21.9	26.0	30.7	
Gender:																					
Male	45.8	50.6	53.2	55.9	55.8	53.4	49.2	47.2	45.7	43.2	43.1	41.2	38.6	35.8	32.8	29.4	27.2	24.4	29.0	35.1	
Female	34.9	37.8	42.0	44.3	45.7	44.1	42.5	40.8	38.4	36.0	37.8	36.0	33.8	30.3	26.3	24.2	20.1	18.9	22.4	26.4	
College Plans:																					
None or under 4 years	—	46.8	50.7	51.6	53.1	51.7	49.7	48.2	46.0	44.2	44.0	42.7	40.6	36.2	34.4	31.1	27.6	27.5	29.1	34.4	
Complete 4 years	—	40.7	43.4	47.1	47.3	45.9	42.6	40.6	38.3	35.9	37.5	36.1	34.0	31.3	27.3	24.7	22.0	19.4	24.4	29.1	
Region:																					
Northeast	47.4	52.7	53.5	59.2	60.6	55.5	53.2	50.9	49.3	49.6	48.2	44.6	41.2	36.7	31.3	32.2	28.2	23.9	31.2	36.0	
Midwest	40.1	44.0	48.1	51.6	52.2	48.9	46.8	45.6	42.0	36.4	40.8	40.2	37.4	34.3	33.0	28.7	26.1	22.7	26.0	30.5	
South	32.4	37.9	42.5	42.7	41.2	42.0	38.0	36.7	36.1	35.6	31.0	31.7	30.2	28.7	25.0	21.4	18.1	18.1	23.2	28.7	
West	44.1	45.8	46.8	49.1	51.9	51.7	49.6	45.5	44.8	43.2	46.2	41.2	39.6	35.6	32.3	28.3	26.8	26.1	26.4	30.0	
Population Density:																					
Large MSA	50.4	51.3	53.2	57.2	58.7	56.3	51.4	50.4	47.0	44.2	44.4	42.6	39.3	34.3	27.8	27.7	24.3	22.6	29.1	32.0	
Other MSA	40.3	44.2	48.9	50.8	51.9	49.8	46.4	44.8	44.0	41.0	40.7	39.4	36.9	34.7	30.3	28.3	27.5	22.1	26.2	32.7	
Non-MSA	32.9	39.8	41.2	43.3	43.3	41.9	41.6	38.5	36.5	35.3	37.3	34.7	32.2	29.0	30.0	23.5	17.5	21.0	23.1	25.8	
Parental Education: ^a																					
1.0–2.0 (Low)	35.2	38.9	41.0	42.5	46.0	43.7	41.8	38.9	39.7	35.7	37.1	33.4	30.7	30.7	23.3	21.0	22.4	21.2	23.0	26.3	
2.5–3.0	39.2	46.1	48.2	50.3	50.0	49.0	45.3	44.5	42.2	40.1	40.6	38.8	36.3	31.1	29.6	26.9	22.5	21.1	24.1	29.7	
3.5–4.0	38.5	44.9	49.5	51.4	52.7	49.8	47.0	46.5	42.2	41.4	41.0	40.1	36.8	33.4	31.4	27.6	24.0	22.7	26.6	31.5	
4.5–5.0	40.6	46.8	49.3	53.2	53.7	50.5	47.6	45.9	43.5	39.6	43.2	39.9	37.5	35.1	29.7	28.5	23.8	20.8	27.2	32.0	
5.5–6.0 (High)	38.7	47.5	48.6	55.2	51.2	52.0	48.5	45.7	43.7	39.9	37.9	38.9	38.6	35.9	30.7	29.4	28.2	22.6	28.0	32.3	
Race/Ethnicity (2-year average): ^b																					
White	—	—	46.8	50.1	51.8	51.2	49.1	47.1	44.6	42.0	41.6	41.4	39.7	37.6	34.5	31.6	28.2	24.9	25.9	30.2	
African American	—	—	37.9	39.6	38.4	37.5	36.1	35.5	37.4	36.4	33.4	30.6	25.7	21.2	17.8	13.7	11.4	11.5	14.2	20.7	
Hispanic	—	—	45.8	43.4	42.1	44.1	41.2	38.8	38.3	38.8	37.8	36.7	33.3	29.6	25.0	21.6	23.6	24.7	23.5	25.7	

(Table continued on next page.)

TABLE 12 (cont.)
MARIJUANA: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	change
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	34.7	35.8	38.5	37.5	37.8	36.5	37.0	36.2	34.9	34.3	33.6	31.5	31.7	32.4	32.8	34.8	36.4	36.4	36.4	35.1	-1.3
Gender:																					
Male	38.1	39.4	40.9	41.7	41.4	39.2	40.1	39.9	37.8	37.4	37.6	32.7	35.0	35.1	36.7	38.3	40.0	40.8	39.8	37.0	-2.9
Female	30.6	31.6	35.5	33.0	34.1	33.4	33.6	32.4	31.6	30.8	29.6	29.7	28.3	29.5	28.7	30.7	32.1	31.3	32.4	33.0	+0.6
College Plans:																					
None or under 4 years	39.0	41.7	44.6	43.0	43.2	40.3	41.5	40.9	42.1	39.0	41.3	39.9	38.6	41.0	38.0	42.7	41.5	41.5	42.1	40.8	-1.2
Complete 4 years	32.6	33.4	36.4	35.2	35.9	34.6	35.3	34.7	32.3	32.6	31.5	29.1	29.8	30.2	31.1	32.5	34.7	34.8	34.8	33.1	-1.7
Region:																					
Northeast	37.7	40.0	43.5	43.0	39.0	42.3	43.8	41.9	40.5	40.1	39.6	38.1	39.2	36.6	37.8	41.3	40.7	38.1	40.9	39.6	-1.3
Midwest	36.9	36.9	36.5	33.8	38.0	34.5	36.9	37.5	36.5	34.0	33.7	32.0	32.6	31.1	32.5	32.5	34.7	32.0	31.6	34.6	+3.0
South	31.8	32.8	35.0	36.5	36.0	30.7	32.4	32.6	29.4	30.1	31.2	29.4	29.0	31.0	30.6	32.4	33.1	33.9	34.4	33.6	-0.8
West	33.8	35.6	42.6	39.0	39.8	43.1	38.4	35.2	36.2	35.6	32.0	28.8	29.1	32.8	32.1	35.8	40.0	43.0	40.9	34.3	-6.5 s
Population Density:																					
Large MSA	37.5	37.2	38.3	38.4	38.7	37.1	39.2	37.7	32.3	32.3	34.5	33.4	33.9	34.8	37.2	36.8	38.7	40.4	38.9	35.8	-3.1
Other MSA	34.9	38.6	40.5	38.8	39.1	38.1	36.7	38.0	38.1	37.9	35.0	31.9	31.6	31.2	32.0	36.1	37.4	36.8	37.9	36.9	-1.0
Non-MSA	31.0	29.6	34.9	33.5	34.7	32.9	35.1	30.8	32.2	29.7	29.7	28.1	28.8	32.2	28.7	28.8	30.4	29.2	29.0	29.7	+0.7
Parental Education: ^a																					
1.0–2.0 (Low)	30.9	31.3	34.8	34.2	35.5	36.5	33.9	30.8	31.4	28.7	27.3	32.0	31.1	30.5	28.9	32.8	35.7	42.0	38.4	37.3	-1.1
2.5–3.0	33.8	35.1	37.4	36.1	38.6	35.1	37.0	34.9	34.2	33.1	34.8	33.2	33.8	32.8	33.6	35.4	36.8	37.6	39.0	37.5	-1.5
3.5–4.0	34.2	36.1	38.1	39.0	38.6	36.8	38.4	38.5	36.2	36.9	35.5	31.6	30.6	32.0	34.5	36.8	38.1	37.5	38.3	35.9	-2.4
4.5–5.0	35.0	36.6	40.1	37.4	35.9	35.8	37.4	37.0	35.4	34.4	33.9	28.4	30.4	32.7	31.0	34.5	35.0	35.0	33.3	32.9	-0.4
5.5–6.0 (High)	37.5	36.7	39.7	38.3	39.2	38.0	35.2	36.1	32.6	34.0	32.3	32.9	32.8	32.8	33.6	29.9	34.5	32.2	33.8	32.9	-0.9
Race/Ethnicity (2-year average): ^b																					
White	34.2	36.4	38.7	39.9	39.1	38.2	38.5	38.7	37.9	37.3	36.6	34.8	33.4	33.9	34.3	34.8	36.3	36.6	35.6	35.1	-0.4
African American	26.8	30.2	30.4	30.0	30.4	30.0	29.0	27.3	26.3	25.5	26.3	27.7	27.0	26.8	28.6	30.8	32.4	33.2	35.0	35.9	+1.0
Hispanic	29.7	32.3	36.4	37.2	37.8	40.5	37.6	34.6	31.1	29.5	29.6	28.7	27.2	27.3	28.8	31.6	34.4	37.3	39.2	37.1	-2.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 13
MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	3.2	3.7	5.1	7.8	9.1	11.3	10.2	9.7	9.7	9.1	9.2	8.3	7.5	6.4	6.6	6.5	5.7	5.8	6.5	8.0	7.2	6.5	7.0	6.5	-0.5
Gender:																									
Male	3.8	3.8	6.1	9.5	9.8	12.1	11.4	10.3	10.5	10.2	11.0	9.5	8.5	6.3	7.6	6.7	6.2	6.6	7.5	9.2	8.5	7.0	6.7	6.9	+0.3
Female	2.6	3.5	4.1	6.0	8.2	10.2	8.9	8.8	8.8	7.8	7.3	7.1	6.4	6.3	5.7	6.0	4.9	4.8	5.3	6.8	5.7	6.0	7.2	5.9	-1.3 s
College Plans:																									
None or under 4 years	9.8	11.5	13.2	19.7	20.6	24.5	23.8	24.6	25.9	23.4	23.9	23.2	21.7	19.0	19.7	20.1	18.3	19.1	18.9	21.4	19.4	20.0	19.7	17.6	-2.1
Complete 4 years	2.1	2.5	3.9	6.1	7.5	9.1	8.4	7.8	7.7	7.4	7.5	6.8	6.0	4.9	5.2	5.1	4.5	4.5	5.4	6.8	6.2	5.4	6.2	5.6	-0.6
Region:																									
Northeast	2.4	3.1	3.3	7.7	7.2	9.2	9.0	6.5	7.6	7.5	8.7	6.3	5.9	5.3	5.6	5.2	3.4	4.2	6.6	7.0	4.3	4.7	5.4	6.2	+0.8
Midwest	3.3	3.0	3.7	7.3	10.1	11.8	10.4	10.8	11.7	9.5	7.9	8.0	7.3	5.6	6.6	5.6	5.3	6.8	6.2	6.8	5.7	4.4	5.8	6.0	+0.2
South	3.3	3.7	5.0	6.6	8.5	10.3	9.7	10.2	10.1	8.9	10.0	9.4	8.7	7.0	7.6	7.9	6.5	6.0	6.8	8.8	7.7	7.5	8.5	6.1	-2.4 ss
West	3.9	5.6	9.2	10.9	10.6	13.9	11.9	10.5	8.4	10.4	9.8	8.6	7.0	7.0	5.9	5.9	5.9	5.6	6.0	8.5	10.2	8.2	7.0	7.7	+0.7
Population Density:																									
Large MSA	2.8	3.3	4.1	7.6	9.1	11.3	8.7	9.3	8.6	7.5	7.1	6.7	6.5	6.6	6.3	5.3	4.3	4.9	5.5	7.7	6.8	5.8	7.2	7.5	+0.3
Other MSA	3.7	4.4	6.5	9.8	9.9	12.0	10.7	9.8	9.4	9.1	10.5	8.8	7.5	6.4	7.4	7.4	6.1	6.3	7.2	8.3	8.3	7.0	6.7	6.0	-0.7
Non-MSA	2.8	3.1	3.2	4.3	7.7	9.7	10.8	10.2	11.6	11.0	9.1	9.4	9.0	6.1	5.7	6.3	6.7	5.8	6.1	7.4	5.5	6.5	7.5	6.1	-1.4
Parental Education: ^a																									
1.0–2.0 (Low)	7.4	7.2	7.2	12.4	13.5	12.5	15.5	15.7	17.5	18.8	16.4	13.5	13.7	11.3	10.6	12.0	10.4	11.1	10.3	12.3	12.2	11.4	13.6	12.4	-1.3
2.5–3.0	3.9	3.9	5.5	9.0	10.4	13.4	11.6	11.4	12.1	11.9	11.9	11.3	10.0	8.3	9.6	8.9	7.3	8.4	8.6	10.5	10.1	9.9	10.9	8.8	-2.1
3.5–4.0	3.1	3.5	5.7	7.8	9.9	12.0	11.0	10.6	9.1	8.8	9.6	8.7	7.6	7.0	7.3	7.0	6.7	5.6	7.1	8.8	7.7	7.2	8.1	7.1	-1.0
4.5–5.0	1.7	2.9	3.6	6.0	7.1	9.3	9.0	7.1	6.7	5.3	6.5	6.2	5.0	4.4	4.2	3.7	3.6	3.8	5.1	6.1	5.5	4.1	4.3	4.1	-0.1
5.5–6.0 (High)	2.3	2.4	4.2	5.8	7.4	9.2	6.7	7.3	7.5	5.8	5.3	5.4	4.8	3.6	3.3	3.4	2.3	3.6	4.0	4.3	3.4	3.1	3.4	4.1	+0.8
Race (2-year average): ^b																									
White	—	3.3	4.1	5.6	7.8	10.0	10.6	9.5	8.7	8.4	8.4	8.3	7.4	6.2	5.8	5.8	5.4	5.0	5.4	6.5	6.5	5.3	4.7	4.7	0.0
Black	—	2.0	2.9	5.0	6.6	8.0	9.0	9.1	9.7	9.3	8.1	7.4	7.3	7.7	8.2	7.5	6.4	6.1	6.7	7.7	8.1	7.6	8.2	7.7	-0.5
Hispanic	—	6.4	8.3	12.1	12.9	12.5	13.1	13.5	14.3	12.7	12.6	12.6	10.3	9.3	8.3	8.1	7.6	7.1	7.3	8.8	10.1	10.4	10.0	8.9	-1.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 14
MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days																						2013– 2014 change		
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	8.7	8.1	10.9	15.8	17.2	20.4	20.5	18.7	19.4	19.7	19.8	17.8	17.0	15.9	15.2	14.2	14.2	13.8	15.9	16.7	17.6	17.0	18.0	16.6	-1.4
Gender:																									
Male	10.1	9.0	13.1	18.6	19.1	22.3	23.0	20.3	21.8	23.3	22.7	19.3	19.0	17.4	16.7	15.7	15.8	15.2	18.7	20.1	20.8	19.8	20.6	17.4	-3.2 ss
Female	7.3	7.1	8.6	12.8	15.0	18.6	17.9	17.2	17.0	16.2	16.8	16.4	15.0	14.2	13.4	12.6	12.5	12.3	13.2	13.3	14.5	14.4	15.3	15.7	+0.4
College Plans:																									
None or under 4 years	15.0	14.3	20.4	25.8	27.9	35.2	34.7	32.6	33.8	33.7	35.2	31.5	31.3	27.5	27.0	28.1	27.6	28.4	28.0	34.0	34.2	30.3	31.0	29.3	-1.8
Complete 4 years	7.4	6.7	8.8	13.6	15.2	17.9	18.1	16.1	17.0	17.6	17.3	15.6	14.7	14.2	13.4	12.4	12.3	11.9	14.5	14.6	15.7	15.7	16.5	15.1	-1.4
Region:																									
Northeast	10.1	7.7	13.4	16.9	17.1	21.9	21.6	22.7	22.0	19.4	21.3	19.4	18.3	16.5	17.6	14.6	14.3	16.6	15.3	15.5	19.0	19.1	17.3	17.5	+0.2
Midwest	8.3	7.6	10.5	15.3	16.8	20.7	19.8	16.6	19.6	19.8	19.1	16.7	14.2	14.8	14.3	13.6	14.7	12.5	13.3	15.4	16.4	14.4	16.9	14.4	-2.6
South	7.2	6.6	9.1	14.8	17.2	20.3	20.1	18.7	18.1	18.2	18.0	16.6	18.5	17.1	15.7	14.6	12.8	14.0	17.3	16.7	16.7	17.2	19.0	17.0	-2.0
West	10.3	11.7	12.1	17.3	17.6	18.9	21.1	17.2	18.8	22.8	23.0	20.2	17.0	14.7	12.9	14.1	15.3	12.9	17.2	19.0	19.2	18.0	18.2	17.3	-0.9
Population Density:																									
Large MSA	9.3	8.0	11.2	17.2	16.9	18.4	19.8	17.4	19.0	20.6	18.5	16.8	15.4	13.8	14.6	14.2	14.2	13.9	16.1	16.0	17.0	17.3	17.2	16.7	-0.5
Other MSA	9.1	8.6	11.2	17.5	18.5	22.2	21.7	19.7	20.3	19.7	21.0	19.1	17.3	16.7	15.6	13.6	13.5	14.4	16.4	18.0	18.9	17.2	19.1	17.1	-2.0
Non-MSA	7.6	7.2	10.1	11.4	14.7	19.3	19.2	18.4	18.1	18.8	18.7	16.5	18.8	16.9	15.0	15.7	15.5	12.4	14.8	15.1	15.8	16.3	16.3	14.9	-1.3
Parental Education: ^a																									
1.0–2.0 (Low)	11.4	11.2	13.3	15.8	20.6	21.4	20.9	20.4	25.0	23.4	20.6	21.6	21.6	19.5	15.8	18.4	17.1	18.1	22.2	21.0	23.6	21.0	22.0	18.6	-3.4
2.5–3.0	9.5	8.0	11.3	16.3	19.3	22.9	21.7	22.1	22.0	21.0	22.8	20.4	20.3	17.9	18.1	17.1	17.4	15.7	18.1	20.4	21.2	21.3	21.4	19.9	-1.5
3.5–4.0	8.1	8.3	10.9	15.8	18.0	22.1	22.5	18.3	19.3	21.2	20.8	18.1	17.8	17.3	15.9	14.9	15.1	15.4	16.0	17.7	18.9	17.5	19.7	18.5	-1.2
4.5–5.0	7.9	7.4	10.0	15.0	15.6	18.1	19.2	16.4	16.6	17.9	17.5	15.2	13.4	13.2	12.7	12.0	11.2	11.2	14.4	13.7	14.8	15.4	15.5	13.4	-2.1
5.5–6.0 (High)	8.9	7.5	9.4	15.5	13.3	17.4	17.1	16.2	18.2	16.7	17.2	15.5	13.8	12.7	13.5	11.8	11.3	10.1	13.1	12.9	13.2	14.0	12.8	13.7	+0.9
Race (2-year average): ^b																									
White	—	9.0	9.8	13.4	16.8	19.3	21.2	20.3	19.8	20.2	20.2	19.8	18.2	16.5	15.7	15.2	14.7	14.2	14.6	15.7	16.4	16.7	16.5	16.2	-0.4
Black	—	3.6	4.9	9.8	13.8	15.9	16.5	15.3	14.6	15.8	16.7	15.2	15.1	16.3	15.3	13.8	12.6	11.7	13.7	15.5	18.0	18.8	19.1	19.0	-0.1
Hispanic	—	10.4	12.4	15.6	17.7	19.1	21.3	21.4	20.6	20.5	20.5	18.2	17.0	17.7	16.0	14.0	13.0	15.3	17.4	18.2	18.2	18.5	20.0	19.4	-0.6

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 15
MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			→	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	(Years cont.)
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	27.1	32.2	35.4	37.1	36.5	33.7	31.6	28.5	27.0	25.2	25.7	23.4	21.0	18.0	16.7	14.0	13.8	11.9	15.5	19.0	
Gender:																					
Male	32.3	37.7	40.7	42.6	41.4	37.8	35.3	31.4	31.0	28.2	28.7	26.8	23.1	20.7	19.5	16.1	16.1	13.4	18.2	23.0	
Female	22.5	26.0	30.0	31.3	31.3	29.1	27.3	24.9	22.2	21.1	22.4	20.0	18.6	15.2	13.8	11.5	11.2	10.2	12.5	15.1	
College Plans:																					
None or under 4 years	—	34.5	38.7	39.2	39.6	37.7	36.1	32.9	30.7	29.2	29.0	28.3	25.1	20.4	21.0	17.6	15.8	15.0	17.9	21.6	
Complete 4 years	—	28.4	31.0	33.2	32.2	29.4	27.4	23.9	22.9	20.9	22.7	20.0	18.5	16.4	14.6	11.9	12.5	10.4	14.2	17.7	
Region:																					
Northeast	32.2	38.6	40.4	46.7	44.7	39.3	38.2	33.3	32.0	33.3	32.0	28.5	25.3	20.2	18.6	17.6	17.6	14.4	19.5	22.7	
Midwest	27.6	31.4	36.1	37.8	38.0	34.0	33.0	30.0	27.2	22.1	26.1	24.0	21.1	18.6	19.2	13.7	14.9	12.2	15.9	19.3	
South	21.2	27.7	31.3	30.6	29.0	28.4	24.7	22.4	22.9	22.4	18.0	19.2	17.3	15.8	14.0	11.5	9.7	9.4	13.1	17.3	
West	30.8	32.7	33.6	34.3	35.9	35.2	32.0	29.2	27.1	25.9	29.7	23.1	22.3	18.9	16.8	14.7	15.7	14.0	15.6	18.6	
Population Density:																					
Large MSA	36.2	37.9	40.4	44.0	42.2	39.6	36.3	34.3	31.7	28.5	28.5	26.7	23.1	19.4	15.2	14.1	14.3	12.9	18.0	20.7	
Other MSA	26.4	32.5	36.2	37.1	37.5	34.5	31.4	28.3	28.1	25.1	25.9	22.9	21.3	19.3	17.5	14.6	16.3	11.5	15.3	19.8	
Non-MSA	22.2	27.5	30.2	31.4	30.9	28.3	28.0	23.8	21.8	22.5	23.0	21.5	18.2	14.3	16.7	12.6	9.0	12.0	13.8	15.7	
Parental Education: ^a																					
1.0–2.0 (Low)	22.3	29.0	30.4	30.7	33.2	29.9	29.7	24.9	26.2	23.8	23.4	21.0	19.9	15.6	13.9	11.4	11.7	9.7	12.4	14.0	
2.5–3.0	26.5	33.7	36.7	37.7	35.8	34.6	31.5	28.4	27.3	25.4	25.9	24.1	20.9	16.8	16.3	14.3	12.9	11.9	14.0	18.5	
3.5–4.0	25.1	32.3	36.9	37.7	37.8	33.6	31.4	29.3	26.1	25.8	26.5	24.1	21.1	17.7	17.9	13.5	13.8	12.2	16.9	19.3	
4.5–5.0	27.3	32.6	34.3	39.0	37.3	33.7	31.9	30.1	26.9	23.3	27.1	23.1	21.1	19.3	17.1	15.0	13.7	12.1	15.9	20.4	
5.5–6.0 (High)	24.7	32.1	36.0	39.7	37.6	36.2	31.9	27.7	25.5	23.4	20.6	21.7	21.2	20.6	16.2	15.0	17.6	11.6	16.1	20.3	
Race (2-year average): ^b																					
White	—	—	34.0	36.9	37.6	35.8	33.3	30.8	27.9	26.0	25.9	25.5	23.4	21.1	19.2	17.1	15.3	14.1	14.9	18.4	
Black	—	—	29.2	29.7	28.2	27.0	25.7	24.8	25.8	24.8	22.3	19.4	14.5	11.0	9.6	7.5	5.9	6.0	8.1	13.1	
Hispanic	—	—	33.3	30.8	29.0	29.5	27.7	26.2	25.3	23.8	21.9	21.3	20.2	16.1	12.4	11.7	12.9	12.7	12.5	14.9	

(Table continued on next page.)

TABLE 15 (cont.)
MARIJUANA: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2013– 2014 change	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400		
Total	21.2	21.9	23.7	22.8	23.1	21.6	22.4	21.5	21.2	19.9	19.8	18.3	18.8	19.4	20.6	21.4	22.6	22.9	22.7	21.2	-1.6	
Gender:																						
Male	24.6	25.1	26.4	26.5	26.3	24.7	25.6	25.3	24.7	23.0	23.6	19.7	22.3	22.2	24.3	25.2	26.4	26.5	26.4	24.3	-2.0	
Female	17.2	18.3	20.3	18.8	19.7	18.3	19.1	17.4	17.3	16.6	15.8	16.4	15.0	16.2	16.8	16.9	18.4	18.8	18.7	17.9	-0.7	
College Plans:																						
None or under 4 years	23.7	26.4	29.3	28.3	26.6	26.0	27.5	27.0	26.9	24.1	24.9	24.8	25.9	24.9	24.6	28.1	27.5	27.0	28.0	26.8	-1.2	
Complete 4 years	19.6	20.0	21.5	20.5	21.8	19.6	20.4	19.6	18.9	18.3	18.1	16.4	16.8	17.7	19.2	19.3	21.1	21.4	21.3	19.5	-1.8	
Region:																						
Northeast	23.8	25.9	27.0	27.2	24.2	26.0	28.4	25.6	26.5	25.1	25.0	24.8	23.7	23.1	24.6	26.1	26.4	24.0	25.8	25.6	-0.2	
Midwest	22.6	23.3	21.8	21.1	23.2	19.3	22.7	22.4	21.6	18.1	19.2	17.4	18.6	17.5	20.2	20.0	21.7	19.5	20.0	21.0	+1.0	
South	19.4	19.5	20.9	21.3	22.1	17.4	18.1	20.0	17.8	17.7	18.2	17.1	17.0	19.2	19.3	19.6	20.9	22.3	21.0	19.8	-1.2	
West	19.8	19.7	27.8	23.9	24.2	27.2	23.5	19.3	21.1	20.9	18.0	16.0	17.7	19.2	19.7	21.7	23.4	26.6	25.8	20.0	-5.8 s	
Population Density:																						
Large MSA	23.6	22.9	21.7	23.4	23.2	22.6	23.4	22.9	19.6	19.1	20.4	19.6	20.9	21.8	24.0	22.8	23.3	25.9	25.7	22.0	-3.7	
Other MSA	21.5	23.7	25.6	23.9	24.4	22.6	22.5	22.7	23.7	22.3	20.8	18.4	18.2	18.6	20.3	22.7	24.3	23.5	23.5	22.4	-1.1	
Non-MSA	17.8	17.6	22.0	19.8	21.0	18.6	21.2	17.4	18.7	16.4	16.9	16.3	16.7	18.5	16.8	15.9	17.5	16.7	16.4	17.1	+0.7	
Parental Education: ^a																						
1.0–2.0 (Low)	18.1	17.4	19.9	19.7	22.2	21.5	20.9	17.8	20.0	16.6	16.3	17.9	18.2	18.5	16.9	18.6	20.5	26.7	22.6	23.0	+0.4	
2.5–3.0	19.6	20.6	23.6	22.1	23.6	20.9	21.7	21.5	20.6	19.3	20.2	19.6	20.1	18.7	22.0	21.2	23.0	23.2	25.2	23.0	-2.2	
3.5–4.0	21.5	22.9	23.6	23.9	23.0	21.5	23.6	23.7	22.1	21.2	20.2	18.6	18.5	18.8	21.7	22.8	23.5	23.2	23.5	21.4	-2.1	
4.5–5.0	21.3	22.1	24.7	22.6	22.4	21.4	22.3	20.6	21.0	19.8	20.4	16.3	18.3	19.3	19.1	20.8	21.0	22.3	20.8	19.7	-1.1	
5.5–6.0 (High)	23.1	22.6	22.9	22.9	23.4	21.3	20.5	19.6	18.3	19.8	18.9	18.2	17.9	21.0	20.3	18.4	23.1	20.3	21.3	19.8	-1.5	
Race (2-year average): ^b																						
White	20.8	22.0	23.6	24.4	23.8	22.7	22.9	23.3	22.8	22.1	21.6	20.5	19.5	20.1	20.8	21.4	22.2	22.6	21.8	21.3	-0.5	
Black	16.8	18.3	18.5	18.3	19.3	19.0	17.0	16.5	16.3	15.2	14.6	15.9	16.0	16.3	18.6	20.1	21.0	22.3	24.0	23.0	-1.0	
Hispanic	17.9	19.1	21.2	21.6	22.0	24.6	22.1	20.0	17.9	16.6	16.6	16.0	15.3	15.3	16.7	18.5	19.6	22.0	24.3	22.6	-1.6	

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 16
MARIJUANA: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

	Percentage who used daily in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	0.2	0.2	0.4	0.7	0.8	1.5	1.1	1.1	1.4	1.3	1.3	1.2	1.0	0.8	1.0	1.0	0.8	0.9	1.0	1.2	1.3	1.1	1.1	1.0	-0.1
Gender																									
Male	0.3	0.3	0.5	1.0	1.1	2.0	1.4	1.4	1.9	2.0	2.0	1.7	1.3	0.9	1.4	1.3	1.2	1.2	1.4	1.8	1.8	1.6	1.3	1.2	-0.1
Female	0.1	0.1	0.3	0.5	0.4	0.9	0.6	0.7	0.8	0.7	0.6	0.7	0.6	0.6	0.6	0.7	0.5	0.6	0.5	0.7	0.7	0.5	0.9	0.7	-0.2
College Plans:																									
None or under 4 years	0.9	1.1	1.2	2.1	3.1	4.4	4.2	4.2	5.6	5.1	5.1	5.1	3.6	3.3	3.9	5.3	3.2	4.7	4.7	5.2	5.2	5.6	4.9	2.9	-2.0 s
Complete 4 years	0.1	0.1	0.3	0.5	0.5	1.0	0.6	0.7	0.8	0.9	0.8	0.8	0.7	0.4	0.7	0.6	0.6	0.6	0.6	0.9	1.0	0.7	0.8	0.8	0.0
Region:																									
Northeast	0.1	0.1	0.3	0.8	0.5	0.9	0.9	0.8	1.0	0.8	1.4	1.2	0.8	0.5	0.7	0.7	0.5	0.3	0.9	0.9	0.5	0.8	0.6	0.9	+0.4
Midwest	0.1	0.2	0.2	0.7	0.8	1.6	1.2	1.1	1.7	1.4	1.3	1.0	1.0	0.6	1.0	0.8	0.9	1.3	1.0	1.3	1.2	0.5	0.9	1.3	+0.4
South	0.3	0.2	0.4	0.6	0.8	1.4	0.9	1.4	1.5	1.4	1.5	1.6	1.1	0.9	1.2	1.4	0.9	1.0	1.0	1.4	1.4	1.2	1.3	0.8	-0.5 s
West	0.2	0.3	0.7	1.1	1.2	2.1	1.3	0.9	1.0	1.6	0.9	1.0	0.9	0.9	0.8	0.9	0.7	0.8	0.9	1.1	1.9	1.6	1.5	1.1	-0.4
Population Density:																									
Large MSA	0.2	0.1	0.3	0.7	1.1	1.7	0.8	0.8	1.1	1.0	0.8	1.0	0.8	0.7	0.9	0.8	0.5	0.9	0.6	0.8	1.1	0.9	1.0	1.3	+0.3
Other MSA	0.2	0.2	0.5	0.9	0.9	1.6	1.2	1.1	1.5	1.3	1.6	1.3	1.0	0.8	1.2	1.3	0.8	0.8	1.2	1.3	1.5	1.2	1.2	0.8	-0.4
Non-MSA	0.2	0.3	0.2	0.5	0.5	1.0	1.1	1.4	1.3	1.8	1.4	1.4	1.2	0.8	0.7	0.9	1.4	1.0	1.0	1.7	1.0	1.2	1.3	0.9	-0.4
Parental Education: ^a																									
1.0–2.0 (Low)	0.5	0.5	0.7	0.8	2.0	1.6	2.2	2.2	3.2	4.6	2.0	2.3	1.9	1.6	1.4	2.6	1.3	2.6	1.9	2.5	2.2	1.9	2.3	2.0	-0.3
2.5–3.0	0.3	0.3	0.4	0.8	0.9	2.0	0.9	1.5	1.3	1.6	1.9	1.7	1.4	0.8	1.2	1.3	0.9	1.4	1.4	2.1	2.3	1.6	1.5	0.9	-0.6
3.5–4.0	0.2	0.1	0.5	1.1	0.7	1.4	1.3	1.1	1.5	0.9	1.3	1.4	1.0	0.7	1.2	0.9	1.0	0.7	0.8	1.0	1.3	1.0	1.0	1.1	+0.2
4.5–5.0	0.1	0.1	0.1	0.5	0.6	0.8	0.8	0.5	0.8	0.5	0.8	0.7	0.7	0.5	0.5	0.6	0.4	0.4	0.6	0.7	0.8	0.3	0.8	0.6	-0.1
5.5–6.0 (High)	*	0.1	0.3	0.5	0.6	1.2	0.6	0.6	0.7	0.8	0.5	0.4	0.6	0.3	0.2	0.3	0.5	0.5	0.6	0.3	0.5	0.6	0.5	0.7	+0.2
Race (2-year average): ^b																									
White	—	0.2	0.2	0.4	0.7	1.0	1.1	0.9	1.0	1.2	1.3	1.3	1.0	0.7	0.7	1.0	0.9	0.7	0.8	1.0	1.1	1.0	0.8	0.7	-0.1
Black	—	0.1	0.2	0.4	0.7	1.2	1.3	0.9	1.0	1.0	1.1	1.2	1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.0	1.0	1.1	+0.1
Hispanic	—	0.3	0.6	1.1	1.2	1.6	1.8	1.6	2.0	1.9	1.6	1.5	1.2	1.1	1.3	1.1	0.7	1.0	1.3	1.4	1.9	2.1	1.7	1.4	-0.3

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. '*' indicates less than .05 percent but greater than 0 percent.

Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding.

See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 17
MARIJUANA: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 10

	Percentage who used daily in last 30 days																							2013– 2014 change		
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000		
Total	0.8	0.8	1.0	2.2	2.8	3.5	3.7	3.6	3.8	3.8	4.5	3.9	3.6	3.2	3.1	2.8	2.8	2.7	2.8	3.3	3.6	3.5	4.0	3.4	-0.6 s	
Gender:																										
Male	1.1	1.1	1.6	3.1	3.7	4.7	5.2	4.8	5.2	5.3	6.4	5.1	5.1	4.1	4.1	3.5	3.9	3.8	4.1	5.1	5.4	4.6	6.2	4.3	-1.9 sss	
Female	0.5	0.4	0.4	1.2	1.7	2.3	2.1	2.4	2.4	2.3	2.6	2.6	2.2	2.2	2.0	2.0	1.8	1.7	1.7	1.6	1.7	2.4	2.0	2.4	+0.4	
College Plans:																										
None or under 4 years	1.6	2.3	2.7	5.5	6.5	10.2	9.5	9.7	10.3	10.4	11.7	9.4	9.9	9.0	9.5	8.9	8.3	9.2	7.9	9.5	9.5	10.5	10.0	8.8	-1.2	
Complete 4 years	0.6	0.4	0.6	1.4	2.1	2.3	2.6	2.4	2.7	2.7	3.3	2.9	2.6	2.3	2.1	1.9	2.1	1.9	2.2	2.6	2.9	2.8	3.3	2.8	-0.6 s	
Region:																										
Northeast	0.8	0.7	1.6	2.5	1.9	3.7	3.9	5.0	3.9	3.9	3.8	3.6	3.7	3.3	3.3	2.8	3.2	2.8	1.9	2.9	4.3	3.2	2.8	3.4	+0.6	
Midwest	0.9	0.6	1.0	2.0	2.9	3.8	3.8	3.4	4.2	4.2	4.1	4.2	2.8	3.0	3.3	2.6	2.9	2.6	2.5	2.9	2.9	3.2	3.9	3.2	-0.7	
South	0.6	0.6	0.7	2.2	3.2	3.0	3.9	3.4	3.6	3.4	4.5	3.2	4.2	3.4	2.9	3.0	2.7	3.2	3.5	3.3	3.6	4.1	5.0	3.7	-1.3 s	
West	1.1	1.3	1.1	2.1	2.7	3.8	2.7	2.9	3.7	3.7	6.2	5.2	3.8	3.0	2.9	2.5	2.7	2.4	3.1	4.3	3.8	3.5	3.7	3.3	-0.4	
Population Density:																										
Large MSA	0.8	0.5	1.2	2.1	2.5	3.0	3.6	3.4	3.1	4.2	4.4	3.4	3.0	2.5	3.0	2.8	2.3	2.5	2.2	2.8	3.6	2.9	3.4	3.3	-0.2	
Other MSA	0.9	0.8	0.9	2.3	3.1	3.7	3.8	3.9	4.1	3.4	4.4	4.4	3.6	3.3	3.0	2.6	2.9	3.0	3.0	3.7	3.5	3.6	4.4	3.6	-0.8	
Non-MSA	0.7	0.9	1.1	2.0	2.4	3.7	3.6	3.3	3.9	4.0	4.8	3.7	4.8	3.8	3.4	3.2	3.5	2.6	3.4	3.3	3.6	4.3	3.9	3.2	-0.7	
Parental Education: ^a																										
1.0–2.0 (Low)	1.1	1.1	1.4	2.0	4.1	3.6	3.2	3.8	4.6	4.9	6.0	4.6	5.5	5.3	3.7	4.2	4.9	4.2	4.6	4.5	5.8	5.5	5.8	4.3	-1.4	
2.5–3.0	0.9	0.8	1.0	2.6	3.6	4.6	4.3	4.9	5.5	4.3	5.3	4.9	4.8	3.8	4.8	3.9	3.4	3.7	3.4	4.6	4.3	5.3	5.7	4.4	-1.3	
3.5–4.0	0.8	0.9	1.1	2.4	2.8	4.1	4.2	3.4	3.5	4.2	4.7	3.9	3.4	3.4	3.3	2.9	3.2	3.2	2.9	3.8	3.7	3.2	4.4	4.6	+0.2	
4.5–5.0	0.8	0.6	0.6	1.8	1.9	2.4	3.0	3.1	2.6	3.4	3.8	2.7	2.9	2.0	2.0	1.8	2.0	1.8	2.1	2.4	2.5	3.0	2.8	2.0	-0.8	
5.5–6.0 (High)	0.4	0.8	1.0	1.0	2.0	2.1	2.2	2.3	2.5	2.1	3.3	3.2	2.4	1.7	1.8	1.9	1.6	1.3	1.9	1.7	2.9	1.8	2.2	1.4	-0.8	
Race (2-year average): ^b																										
White	—	0.9	1.0	1.6	2.5	3.2	3.7	3.7	3.8	4.0	4.3	4.4	4.1	3.5	3.1	3.0	3.1	2.8	2.6	2.9	3.3	3.4	3.5	3.5	-0.1	
Black	—	0.3	0.3	0.8	1.7	2.2	2.8	3.4	3.0	3.2	3.6	3.0	2.9	2.8	2.8	2.8	2.5	2.8	2.9	3.2	3.8	4.0	4.7	4.4	-0.3	
Hispanic	—	0.8	1.1	1.9	2.5	2.8	3.5	3.6	3.2	3.2	4.2	3.9	3.0	2.9	3.1	2.6	1.9	2.5	2.9	3.2	3.3	3.2	3.7	3.7	0.0	

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 18
MARIJUANA: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																				→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	6.0	8.2	9.1	10.7	10.3	9.1	7.0	6.3	5.5	5.0	4.9	4.0	3.3	2.7	2.9	2.2	2.0	1.9	2.4	3.6	
Gender:																					
Male	8.1	10.8	12.4	14.2	12.7	11.9	9.6	8.2	7.3	7.0	6.9	5.7	4.3	3.9	4.1	3.2	3.0	2.8	3.3	5.1	
Female	4.0	5.0	5.6	7.1	7.3	6.0	4.2	4.0	3.2	2.5	2.8	2.3	2.1	1.3	1.5	1.0	0.9	1.0	1.5	2.0	
College Plans:																					
None or under 4 years	—	9.9	11.1	12.8	13.0	11.9	9.4	8.6	7.3	6.9	6.7	6.2	5.2	4.0	4.6	3.5	3.3	3.5	3.6	4.9	
Complete 4 years	—	5.5	6.3	7.4	6.8	5.9	4.8	3.9	3.4	2.9	3.3	2.3	2.0	1.8	2.0	1.5	1.4	1.2	2.0	2.9	
Region:																					
Northeast	6.7	10.2	9.9	14.5	13.6	11.1	9.1	8.0	6.9	7.5	6.8	5.0	4.1	2.5	3.3	2.7	2.4	2.4	3.0	4.1	
Midwest	6.2	8.1	8.8	11.4	11.5	9.5	8.2	6.8	5.5	4.4	5.5	4.0	3.1	2.5	3.2	2.3	1.9	1.8	2.3	4.1	
South	5.0	6.7	9.1	8.5	7.0	7.5	4.5	4.8	4.5	4.1	3.0	2.8	2.9	2.6	2.6	1.7	1.8	1.3	1.7	3.0	
West	6.5	8.0	8.1	8.2	9.3	8.6	6.4	5.4	5.1	4.7	4.5	4.6	3.4	3.1	2.5	2.4	2.1	2.6	3.3	3.3	
Population Density:																					
Large MSA	8.4	10.7	9.5	12.7	10.6	10.3	8.3	7.9	7.3	5.7	5.8	4.6	3.8	2.6	2.3	2.4	1.9	1.9	2.5	3.7	
Other MSA	5.9	8.2	10.0	10.9	11.3	9.5	7.1	6.0	5.7	5.0	5.0	3.9	3.5	3.4	3.0	2.0	2.5	1.7	2.4	3.9	
Non-MSA	4.5	6.3	7.6	9.0	8.6	7.7	6.0	5.3	3.8	4.4	3.8	3.6	2.6	1.4	3.3	2.4	1.2	2.1	2.3	2.8	
Parental Education: ^a																					
1.0–2.0 (Low)	4.4	6.8	6.9	8.6	8.4	8.2	6.2	6.2	5.7	5.1	4.2	4.1	4.0	2.5	2.4	2.0	2.3	1.6	2.3	2.3	
2.5–3.0	5.7	8.2	9.9	11.3	10.9	10.0	7.5	6.5	5.4	5.4	5.5	4.4	2.9	2.7	2.6	2.3	2.4	1.9	2.1	3.8	
3.5–4.0	5.0	8.0	9.0	10.3	10.1	8.7	6.4	6.4	5.2	4.6	4.7	3.7	3.5	2.4	2.6	1.9	1.8	1.8	2.8	3.6	
4.5–5.0	5.5	8.8	8.6	10.4	9.0	7.8	6.4	5.7	5.0	4.0	4.2	3.5	2.9	2.6	3.3	2.1	1.7	1.6	2.3	3.6	
5.5–6.0 (High)	4.3	8.1	9.0	10.2	10.4	8.0	7.1	4.8	3.7	4.0	3.6	2.3	2.7	2.3	2.7	2.5	1.6	2.0	2.1	3.1	
Race (2-year average): ^b																					
White	—	—	8.6	10.2	10.8	9.7	8.0	6.8	5.9	5.1	4.9	4.5	3.7	3.2	3.1	2.8	2.2	2.0	2.4	3.2	
Black	—	—	6.4	6.0	5.1	5.8	5.4	4.3	4.1	3.6	3.3	3.1	2.3	1.3	0.9	0.7	0.7	0.5	0.8	2.0	
Hispanic	—	—	6.9	6.3	6.5	8.3	6.9	5.7	5.3	4.7	3.9	3.3	3.0	2.1	1.9	2.0	2.2	2.1	1.9	2.0	

(Table continued on next page.)

TABLE 18 (cont.)
MARIJUANA: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2013– 2014 change
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	4.6	4.9	5.8	5.6	6.0	6.0	5.8	6.0	6.0	5.6	5.0	5.0	5.1	5.4	5.2	6.1	6.6	6.5	6.5	5.8	-0.6
Gender:																					
Male	6.5	6.8	8.1	7.7	7.9	8.2	7.9	8.7	8.3	7.7	7.2	6.3	6.8	7.6	7.5	8.8	9.7	9.1	8.9	8.5	-0.4
Female	2.4	2.7	3.1	3.2	3.9	3.5	3.6	3.1	3.4	3.1	2.8	3.2	3.2	3.0	2.6	3.2	3.3	3.6	3.8	3.3	-0.6
College Plans:																					
None or under 4 years	6.8	7.1	8.0	9.8	9.2	9.8	8.8	10.3	9.4	8.1	8.4	9.3	9.6	9.2	8.3	10.5	11.5	9.0	10.7	9.8	-0.9
Complete 4 years	3.5	3.9	4.7	4.0	4.7	4.4	4.4	4.6	4.5	4.5	4.0	3.7	3.8	4.2	4.1	4.7	5.4	5.5	5.1	4.6	-0.5
Region:																					
Northeast	5.1	6.2	6.9	6.8	5.7	7.3	7.7	7.4	7.8	6.8	5.5	7.9	7.0	6.8	5.3	7.5	7.1	7.1	8.0	7.0	-1.1
Midwest	4.1	5.2	5.2	5.3	6.2	5.9	6.8	6.2	5.7	5.1	5.4	4.9	5.7	4.8	6.0	5.8	6.8	6.0	5.5	6.2	+0.7
South	4.3	3.8	5.3	4.9	5.2	4.6	3.9	5.6	5.4	5.0	5.4	4.2	4.3	5.5	5.0	6.1	6.3	6.1	6.4	5.3	-1.1
West	5.3	4.8	6.3	6.5	7.6	7.4	5.9	5.1	5.6	6.1	3.6	3.7	4.0	4.9	4.4	5.4	6.5	7.0	6.5	5.4	-1.0
Population Density:																					
Large MSA	5.3	5.5	4.6	5.4	5.4	5.7	5.9	6.0	4.4	5.3	5.3	4.9	4.7	5.6	5.4	6.3	6.2	7.4	6.6	5.2	-1.4
Other MSA	4.5	5.0	6.6	5.9	5.8	6.3	5.7	6.1	7.6	6.3	5.0	5.0	5.1	5.3	5.3	6.7	7.5	6.4	7.1	6.6	-0.5
Non-MSA	3.9	4.1	5.4	5.4	7.1	5.9	6.0	5.6	5.2	4.7	4.7	5.1	5.5	5.6	4.6	4.3	5.0	5.2	4.7	4.8	+0.1
Parental Education: ^a																					
1.0–2.0 (Low)	4.0	3.9	4.9	6.2	8.8	7.7	5.5	4.5	5.0	5.5	4.3	4.6	5.6	4.8	3.5	4.6	5.1	5.2	7.8	5.8	-2.0
2.5–3.0	4.9	5.1	5.8	5.7	6.2	6.3	5.8	7.0	6.0	5.5	5.7	6.0	5.8	5.4	5.5	6.1	7.4	7.6	8.7	6.5	-2.2 s
3.5–4.0	4.0	5.0	5.7	5.8	5.5	5.9	5.7	6.7	6.4	6.0	5.0	4.9	5.0	4.9	5.5	6.6	6.9	7.2	6.9	6.4	-0.5
4.5–5.0	4.3	4.8	6.1	5.0	5.5	5.3	5.4	4.8	5.5	5.5	5.1	4.3	4.3	5.8	4.7	5.4	5.8	6.1	4.3	4.6	+0.3
5.5–6.0 (High)	3.9	4.1	4.8	4.1	4.6	4.1	4.4	4.6	3.9	3.7	3.8	3.6	3.8	4.9	4.1	4.7	6.0	4.4	4.8	4.5	-0.2
Race (2-year average): ^b																					
White	4.1	4.7	5.5	5.9	5.8	6.0	6.2	6.4	6.5	6.3	5.8	5.4	5.4	5.7	5.8	5.9	6.6	6.9	6.5	6.2	-0.3
Black	3.2	3.7	3.9	4.4	4.7	4.6	4.1	3.7	3.7	3.2	3.5	4.4	4.5	3.8	4.3	6.1	6.5	6.0	6.2	6.1	-0.2
Hispanic	3.0	4.2	4.5	4.7	6.0	6.9	5.0	4.0	4.0	4.0	3.7	3.2	3.2	3.4	3.6	4.1	4.6	4.8	6.1	5.7	-0.4

Source. The Monitoring the Future Study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence-of-use estimates for the two most recent classes is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 19
SYNTHETIC MARIJUANA: Trends in Annual
Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 12 months

	8th Graders					10th Graders					12th Graders					
	1991– 2011	2012	2013	2014	2013– 2014 change	1991– 2011	2012	2013	2014	2013– 2014 change	2009– 2010	2011	2012	2013	2014	2013– 2014 change
<i>Approximate weighted N =</i>	—	15,100	14,600	14,600		—	15,000	12,900	13,000		—	14,100	13,700	12,600	12,400	
Total	—	4.4	4.0	3.3	-0.7	—	8.8	7.4	5.4	-2.0 ss	—	11.4	11.3	7.9	5.8	-2.0 s
Gender:																
Male	—	4.1	3.8	2.9	-0.9	—	10.0	7.9	5.1	-2.8 s	—	14.7	14.1	8.7	6.2	-2.5 s
Female	—	4.6	4.1	3.6	-0.5	—	7.7	6.9	5.6	-1.2	—	7.9	7.9	6.8	5.3	-1.4
College Plans:																
None or under 4 years	—	10.2	13.8	11.6	-2.3	—	18.7	16.5	12.9	-3.6	—	18.9	16.7	11.8	5.8	-6.0 ss
Complete 4 years	—	3.9	3.3	2.6	-0.7	—	7.8	6.5	4.5	-1.9 ss	—	10.0	9.9	7.0	5.8	-1.2
Region:																
Northeast	—	2.7	3.5	3.5	-0.1	—	7.7	6.9	3.8	-3.1	—	11.9	10.7	7.4	5.1	-2.3
Midwest	—	2.4	2.8	2.6	-0.2	—	9.2	6.3	5.8	-0.5	—	13.5	14.2	7.6	6.6	-0.9
South	—	5.6	4.2	2.6	-1.6	—	10.0	7.0	5.6	-1.4	—	11.0	9.3	7.9	6.2	-1.6
West	—	5.5	5.1	5.1	-0.1	—	7.4	9.4	6.1	-3.4 ~	—	9.5	11.1	8.4	5.0	-3.4 s
Population Density:																
Large MSA	—	4.0	3.8	3.5	-0.3	—	7.7	6.4	5.6	-0.8	—	9.7	13.3	6.8	5.9	-1.0
Other MSA	—	4.9	3.9	2.6	-1.3	—	8.3	7.6	4.9	-2.7 s	—	12.3	10.3	8.2	6.3	-1.8
Non-MSA	—	3.8	4.2	4.3	+0.1	—	11.4	8.4	6.4	-2.0	—	11.7	10.8	8.6	4.6	-4.0 s
Parental Education: ^a																
1.0–2.0 (Low)	—	5.9	8.5	6.9	-1.6	—	10.5	8.6	6.6	-2.0	—	13.2	10.7	8.8	7.5	-1.3
2.5–3.0	—	6.4	4.0	4.3	+0.3	—	13.4	10.5	7.5	-3.1	—	12.9	12.3	7.0	7.0	0.0
3.5–4.0	—	5.5	4.8	2.9	-1.8	—	9.0	8.4	6.9	-1.5	—	12.1	12.8	8.4	5.6	-2.8 s
4.5–5.0	—	2.9	3.0	2.4	-0.7	—	7.2	4.9	3.3	-1.6	—	9.2	11.0	8.5	5.2	-3.4 s
5.5–6.0 (High)	—	1.8	2.7	2.7	+0.1	—	6.4	4.8	3.4	-1.4	—	11.3	8.5	5.1	4.2	-0.9
Race/Ethnicity (2-year data): ^b																
White	—	—	3.1	2.9	-0.3	—	—	8.4	6.2	-2.3	—	—	12.9	10.4	6.9	-3.5 ss
African American	—	—	2.8	2.3	-0.5	—	—	3.6	4.1	0.5	—	—	6.0	6.5	5.8	-0.7
Hispanic	—	—	7.6	5.3	-2.3	—	—	8.8	7.4	-1.4	—	—	9.9	9.6	7.6	-2.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table.

For 8th and 10th graders only: Data based on one of four forms; *N* is one third of *N* indicated in S1 and S2. For 12th graders only: Data based on two of six forms; *N* is two sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 20
INHALANTS: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^c	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	9.0	9.5	11.0	11.7	12.8	12.2	11.8	11.1	10.3	9.4	9.1	7.7	8.7	9.6	9.5	9.1	8.3	8.9	8.1	8.1	7.0	6.2	5.2	5.3	+0.1
Gender:																									
Male	9.0	9.2	10.4	11.2	11.5	10.3	10.5	10.6	9.5	8.9	8.4	7.6	7.7	8.8	7.8	7.7	7.3	7.0	7.0	6.4	5.5	4.5	4.0	4.0	0.0
Female	9.0	9.8	11.9	12.2	14.0	14.1	12.9	11.6	11.1	9.9	9.9	7.8	9.6	10.5	11.1	10.5	9.3	11.0	9.3	9.5	8.6	7.9	6.3	6.2	-0.1
College Plans:																									
None or under 4 years	15.0	15.6	17.7	18.3	19.6	18.2	18.1	20.9	17.9	17.2	15.1	14.5	16.5	17.9	15.3	17.3	18.1	19.1	16.7	13.1	12.8	11.2	10.9	10.7	-0.2
Complete 4 years	8.1	8.8	10.2	10.9	11.9	11.4	11.2	10.2	9.5	8.6	8.6	7.1	8.0	8.7	9.0	8.3	7.5	8.0	7.5	7.7	6.7	5.9	4.8	4.8	0.0
Region:																									
Northeast	8.0	8.6	11.3	12.0	13.1	11.7	12.1	9.1	9.8	8.7	9.4	6.9	9.0	8.9	9.1	7.2	5.9	7.9	7.4	7.4	6.7	5.6	5.3	4.1	-1.2
Midwest	9.8	10.5	9.9	10.3	13.8	13.3	11.3	11.3	10.6	10.6	8.8	8.0	9.6	9.6	8.5	9.0	8.1	9.1	7.6	7.9	5.8	5.5	4.1	4.9	+0.8
South	8.9	9.1	10.0	11.3	12.1	11.3	11.6	11.3	9.9	8.4	9.5	8.4	7.9	9.9	9.8	9.1	9.1	9.6	8.9	8.3	7.1	6.4	5.1	5.6	+0.4
West	8.8	9.8	14.2	14.0	12.4	12.9	12.6	12.4	10.9	10.5	8.6	6.4	8.9	9.6	10.4	10.5	8.8	8.4	7.9	8.3	8.4	7.2	6.3	5.9	-0.4
Population Density:																									
Large MSA	9.9	9.1	10.8	11.6	11.7	11.4	10.4	8.6	8.8	8.3	8.3	7.1	8.0	8.8	8.8	8.8	8.6	8.7	7.1	7.2	6.7	6.6	5.1	5.1	-0.1
Other MSA	8.5	10.3	12.3	13.1	13.7	13.4	11.5	11.1	10.1	9.4	8.9	8.0	8.5	10.3	10.7	9.0	8.3	8.9	8.8	8.6	7.3	6.5	5.3	4.9	-0.3
Non-MSA	9.1	8.6	8.5	9.3	12.3	11.0	13.9	14.0	12.3	10.9	10.4	7.8	10.1	9.2	8.3	9.7	7.9	9.2	8.1	8.0	7.1	5.0	5.1	6.3	+1.2
Parental Education: ^a																									
1.0–2.0 (Low)	12.0	11.4	11.5	12.4	13.0	11.3	12.1	14.4	12.9	13.1	10.7	10.3	10.6	12.6	11.6	10.5	11.9	13.3	11.8	12.2	10.7	8.9	8.6	7.2	-1.4
2.5–3.0	9.5	9.9	10.9	12.1	13.9	12.6	12.6	12.0	11.8	11.3	9.7	8.3	10.1	10.2	11.6	10.7	9.3	10.8	9.5	9.8	8.1	7.8	6.0	6.7	+0.7
3.5–4.0	8.9	10.0	11.5	12.3	14.7	13.4	13.5	12.8	10.8	9.9	9.4	8.9	10.3	11.0	10.0	10.3	9.2	9.5	9.3	8.2	8.1	6.8	6.2	5.9	-0.3
4.5–5.0	8.0	8.4	10.6	11.0	12.3	13.2	11.4	9.7	9.2	7.1	9.0	7.3	7.4	9.3	8.4	7.8	7.6	7.3	6.9	6.7	5.5	5.0	4.0	4.2	+0.2
5.5–6.0 (High)	8.4	10.3	12.6	12.2	11.6	11.7	10.8	10.6	9.1	9.2	7.7	6.2	6.5	6.9	8.0	7.9	6.3	7.8	6.1	6.6	6.2	5.2	3.8	4.1	+0.3
Race/Ethnicity (2-year average): ^b																									
White	—	10.1	11.3	12.4	13.8	14.6	14.1	13.3	12.1	10.9	10.1	9.1	8.8	9.6	9.8	9.7	8.9	8.5	8.6	8.0	7.1	5.9	4.9	4.4	-0.5
African American	—	4.4	4.6	5.3	5.0	4.2	3.8	4.2	4.2	4.3	4.8	5.0	4.9	5.4	5.8	5.4	5.5	5.6	5.9	5.5	5.1	5.6	5.1	4.7	-0.4
Hispanic	—	10.4	11.5	12.5	13.3	12.7	11.4	11.5	12.7	12.2	11.0	9.9	9.6	10.6	11.0	9.5	9.2	10.2	10.3	10.7	10.5	9.0	7.6	6.5	-1.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^c2014 data are based on three of four forms; N is two thirds of N indicated.

TABLE 21
INHALANTS: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	7.1	7.5	8.4	9.1	9.6	9.5	8.7	8.0	7.2	7.3	6.6	5.8	5.4	5.9	6.0	6.5	6.6	5.9	6.1	5.7	4.5	4.1	3.5	3.3	-0.1
Gender:																									
Male	7.4	7.6	9.1	9.7	10.3	10.1	9.1	8.4	7.6	7.7	6.7	5.4	5.2	5.8	5.0	5.9	6.3	5.4	5.4	5.0	4.1	3.4	3.4	2.8	-0.6
Female	6.6	7.5	7.7	8.6	8.9	8.9	8.2	7.6	6.9	7.0	6.5	6.0	5.6	6.1	6.9	7.1	7.0	6.3	6.7	6.3	4.8	4.8	3.5	3.8	+0.3
College Plans:																									
None or under 4 years	12.0	12.4	14.0	15.1	14.6	14.3	14.4	13.5	11.6	11.2	11.0	9.8	9.6	11.2	9.9	10.6	12.0	11.1	11.7	12.1	9.7	8.8	6.0	6.5	+0.5
Complete 4 years	5.9	6.4	7.3	7.8	8.7	8.7	7.7	7.0	6.5	6.7	5.9	5.2	4.8	5.2	5.5	5.9	5.9	5.3	5.4	5.0	3.9	3.6	3.2	3.0	-0.2
Region:																									
Northeast	7.2	7.8	10.6	9.8	10.4	11.5	8.9	9.3	8.3	7.2	6.5	6.0	5.9	6.1	6.2	6.5	6.4	4.9	6.1	4.9	4.8	3.8	2.6	2.5	-0.1
Midwest	7.5	8.0	8.3	8.4	10.4	9.8	8.3	6.7	8.4	7.5	6.5	5.8	6.1	5.7	6.1	6.7	6.8	5.7	5.7	5.8	3.9	3.8	3.3	3.6	+0.3
South	7.2	6.6	7.3	9.0	9.4	9.1	8.8	8.3	6.5	7.4	6.8	5.4	4.6	5.6	5.6	5.7	6.1	5.6	5.2	5.8	4.3	4.2	3.2	3.8	+0.5
West	6.2	8.0	8.4	9.9	8.1	8.0	8.5	7.8	6.1	7.2	6.7	6.2	5.5	6.6	6.1	7.2	7.3	7.2	7.6	6.3	5.1	4.4	4.5	3.2	-1.2
Population Density:																									
Large MSA	7.7	7.8	8.5	7.9	8.7	8.1	8.1	6.7	6.9	7.1	6.0	5.1	4.8	5.0	6.2	6.0	6.0	5.3	6.1	5.6	4.5	3.9	3.3	3.2	-0.2
Other MSA	7.1	7.4	8.4	9.8	9.7	9.6	8.4	7.7	7.0	6.8	6.9	5.4	5.2	6.3	5.6	6.4	6.8	6.4	6.2	5.4	4.2	3.6	3.4	3.1	-0.3
Non-MSA	6.5	7.5	8.6	9.1	10.5	11.0	9.8	10.1	8.3	8.5	7.0	7.4	7.1	6.5	6.5	7.4	7.1	5.5	5.9	6.4	4.9	5.2	3.7	4.2	+0.5
Parental Education: ^a																									
1.0–2.0 (Low)	7.0	8.2	10.2	8.7	9.4	10.8	9.3	9.7	8.7	8.5	7.6	5.6	5.8	6.2	6.3	6.9	9.3	8.7	7.1	9.0	6.0	5.4	4.1	4.6	+0.5
2.5–3.0	8.0	7.9	9.1	9.5	11.0	9.9	8.5	9.1	8.0	8.1	7.5	6.0	6.3	6.9	6.9	6.2	7.5	6.7	7.4	6.9	5.4	4.7	4.5	4.7	+0.3
3.5–4.0	7.5	8.3	8.3	9.6	10.2	10.1	9.4	8.1	6.9	7.4	5.9	6.3	5.8	5.7	6.2	7.1	7.0	6.3	6.5	5.7	4.5	3.9	3.8	3.3	-0.5
4.5–5.0	6.4	6.5	7.2	8.7	9.4	8.4	8.3	7.1	6.7	6.5	6.8	5.6	5.1	5.7	5.8	5.5	5.8	5.0	4.9	4.8	3.7	3.9	2.9	2.7	-0.2
5.5–6.0 (High)	6.6	6.7	8.2	8.2	7.0	10.1	8.2	6.7	7.2	7.2	5.5	5.2	4.4	5.1	5.3	7.5	5.4	4.5	4.8	4.4	3.8	3.6	2.3	2.3	0.0
Race/Ethnicity (2-year average): ^b																									
White	—	8.3	8.8	9.6	10.6	11.0	10.4	9.6	8.9	8.4	7.9	7.1	6.6	6.5	6.6	6.8	7.1	6.5	5.9	5.7	4.8	4.1	3.6	3.2	-0.4
African American	—	3.6	3.7	3.3	2.8	2.3	2.3	2.4	2.0	2.0	2.1	2.4	2.0	2.1	2.8	2.9	2.9	2.9	3.2	3.1	2.9	2.4	2.6	3.1	+0.5
Hispanic	—	6.4	8.3	9.0	8.5	8.2	7.9	7.6	7.3	6.3	5.9	4.8	4.8	5.7	6.2	6.4	6.4	7.2	7.9	7.5	6.8	5.7	4.8	4.2	-0.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^c2014 data are based on three of four forms; N is two thirds of N indicated.

TABLE 22
INHALANTS: ^aTrends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	—	3.0	3.7	4.1	5.4	4.6	4.1	4.5	4.3	5.1	5.7	6.1	6.9	6.5	5.9	6.9	6.6	6.2	7.0	7.7
Adjusted ^b	—	—	—	—	8.9	7.9	6.1	6.6	6.2	7.2	7.5	8.9	8.1	7.1	6.9	7.5	6.9	6.4	7.4	8.2
Gender:																				
Male	—	3.8	5.1	5.6	6.7	5.9	5.1	5.8	5.8	6.5	6.9	7.8	8.3	8.2	7.8	8.8	8.2	8.0	9.2	9.6
Female	—	2.0	2.4	2.8	4.2	3.5	3.2	3.1	2.8	3.8	4.5	4.7	5.6	4.9	4.0	4.9	5.0	4.5	4.8	6.0
College Plans:																				
None or under 4 years	—	3.6	4.7	5.0	6.3	5.0	4.3	4.9	4.7	5.8	5.8	7.7	8.0	8.1	7.1	7.8	7.7	7.7	8.0	9.0
Complete 4 years	—	2.2	2.9	3.4	4.5	4.3	4.0	4.1	3.9	4.7	5.7	5.2	6.4	6.0	5.4	6.4	6.3	5.7	6.7	7.4
Region:																				
Northeast	—	3.2	4.1	4.4	6.4	6.0	5.2	6.2	5.0	6.1	8.0	5.6	6.7	6.0	6.3	7.4	6.7	6.0	8.9	10.3
Midwest	—	2.6	4.2	4.8	5.9	4.6	3.8	3.6	4.5	5.0	5.8	6.7	8.6	7.2	6.7	8.0	8.6	7.4	6.3	9.5
South	—	3.8	3.3	3.6	4.3	3.4	3.2	3.8	3.8	4.6	4.2	5.7	6.1	6.8	5.5	6.4	5.0	4.8	6.5	6.2
West	—	1.7	3.0	3.6	4.9	4.9	4.7	4.4	4.3	5.3	5.4	6.6	6.2	5.6	4.8	5.7	6.8	7.5	7.0	5.7
Population Density:																				
Large MSA	—	2.9	3.4	3.4	5.1	5.7	4.7	5.5	4.8	5.3	5.9	5.2	6.0	6.5	5.1	6.7	5.2	6.0	7.4	7.6
Other MSA	—	2.6	3.6	3.7	4.8	4.2	4.0	3.9	4.4	5.0	5.9	6.3	6.9	6.0	5.8	6.8	7.8	6.6	7.3	7.7
Non-MSA	—	3.4	4.2	5.3	6.2	4.4	3.7	4.4	3.9	5.2	5.4	6.6	7.8	7.5	6.8	7.4	5.8	5.6	6.0	7.6
Parental Education: ^c																				
1.0–2.0 (Low)	—	3.7	3.9	4.5	5.2	3.6	3.6	3.2	3.1	4.5	4.2	4.9	4.6	5.3	5.9	5.0	6.1	4.2	4.3	5.3
2.5–3.0	—	3.1	4.1	4.0	5.0	4.8	4.0	4.8	4.0	5.2	5.6	6.1	6.8	6.3	5.5	6.9	6.6	6.7	6.0	7.8
3.5–4.0	—	3.1	3.4	4.1	5.1	4.7	4.0	4.6	4.9	5.6	5.5	6.2	7.1	5.8	6.1	7.2	6.1	6.3	7.7	7.1
4.5–5.0	—	2.7	3.0	3.9	5.8	4.3	4.4	4.4	5.2	5.0	7.0	6.9	7.2	7.0	5.7	7.4	7.4	6.3	7.6	8.9
5.5–6.0 (High)	—	3.7	4.2	5.0	7.2	5.8	4.9	6.0	4.7	5.6	6.8	6.4	8.7	9.1	6.8	7.6	7.1	6.7	9.4	9.7
Race/Ethnicity (2-year average): ^d																				
White	—	—	3.6	4.3	5.1	5.3	4.7	4.7	4.8	5.1	5.9	6.5	7.3	7.6	7.0	7.2	7.6	7.2	7.6	8.6
African American	—	—	1.5	1.3	2.1	2.2	2.1	1.9	1.8	2.2	2.0	2.1	3.0	3.1	2.2	2.1	2.7	2.5	2.2	2.4
Hispanic	—	—	2.7	3.0	2.9	2.9	3.5	4.1	3.4	4.6	6.5	5.5	4.6	4.1	4.7	4.8	5.4	6.0	5.7	5.5

→
(Years cont.)

(Table continued on next page.)

TABLE 22 (cont.)
INHALANTS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	-0.6
Adjusted ^b	8.0	7.6	6.7	6.2	5.6	5.9	4.5	4.5	3.9	4.2	5.0	4.5	3.7	3.8	3.4	3.6	3.2	2.9	2.5	1.9	
Gender:	8.4	8.5	7.3	7.1	6.0	6.2	4.9	4.9	4.5	4.6	5.4	4.7	4.1	4.0	4.1	—	—	—	—	—	—
Male	9.9	9.1	8.3	7.5	6.5	6.8	5.5	5.8	5.2	4.8	6.2	5.1	3.9	4.4	3.6	4.7	3.3	3.1	2.9	2.1	-0.8
Female	6.2	6.1	5.2	5.1	4.9	5.1	3.5	3.3	2.9	3.4	4.1	3.9	3.4	3.2	3.2	2.5	3.0	2.6	2.2	1.8	-0.3
College Plans:																					
None or under 4 years	9.7	8.2	8.0	7.9	6.5	6.7	6.6	6.3	5.1	5.6	7.3	6.8	4.4	6.1	4.7	4.5	6.2	3.7	3.9	3.1	-0.8
Complete 4 years	7.4	7.3	6.5	5.7	5.4	5.5	3.9	4.2	3.5	3.8	4.6	3.9	3.5	3.3	3.1	3.4	2.6	2.6	2.2	1.7	-0.5
Region:																					
Northeast	10.3	10.8	9.4	8.0	6.2	6.3	5.7	5.4	5.1	4.3	6.0	5.9	3.9	3.5	3.7	3.4	3.1	3.8	2.6	1.9	-0.7
Midwest	8.6	7.6	6.9	7.6	6.3	5.5	5.0	5.6	3.7	3.8	5.6	4.8	3.9	3.0	3.7	3.9	3.2	2.5	2.3	2.4	+0.1
South	7.0	6.5	5.6	5.1	5.2	5.5	3.4	4.1	3.5	4.1	4.6	3.6	3.4	3.7	3.1	3.6	2.7	2.2	2.0	1.8	-0.2
West	6.7	6.0	5.4	4.7	4.9	6.7	4.8	3.2	3.6	4.6	4.3	4.7	3.7	5.0	3.5	3.8	4.0	3.4	3.3	1.7	-1.6
Population Density:																					
Large MSA	8.5	7.8	5.9	5.5	4.8	6.3	4.4	4.4	3.5	4.0	5.0	4.1	2.8	3.1	2.4	4.0	3.3	3.2	2.6	1.7	-0.9
Other MSA	7.8	7.9	6.5	6.1	5.3	4.9	4.3	4.4	4.4	4.1	5.1	4.5	3.8	3.7	3.8	3.5	3.0	2.7	2.4	2.0	-0.5
Non-MSA	7.8	7.0	8.1	7.4	6.9	7.2	5.2	4.8	3.7	4.3	4.9	5.2	4.7	4.7	3.9	3.4	3.5	2.8	2.6	2.1	-0.4
Parental Education: ^c																					
1.0–2.0 (Low)	7.5	5.8	5.4	6.3	4.8	4.0	3.2	5.7	3.4	4.6	5.2	5.0	3.6	3.6	3.6	3.0	4.3	3.0	2.7	2.6	-0.1
2.5–3.0	8.0	7.9	6.3	6.0	5.4	5.2	5.7	4.3	3.8	4.9	5.7	4.8	3.8	3.6	4.1	3.5	3.4	3.4	3.0	1.5	-1.5
3.5–4.0	6.7	7.8	7.1	7.3	6.1	6.1	4.2	4.5	3.9	5.0	4.8	4.7	3.9	4.4	3.1	3.6	3.8	2.3	2.7	1.8	-0.9
4.5–5.0	8.9	7.4	7.9	5.3	5.6	5.9	3.8	4.7	4.4	3.4	5.8	4.3	3.7	3.6	3.9	3.9	2.3	3.1	1.9	2.1	+0.2
5.5–6.0 (High)	9.7	8.5	6.0	6.2	6.1	7.5	5.8	4.6	4.0	3.2	3.0	3.9	3.4	3.4	1.9	3.2	2.0	2.8	2.2	2.1	0.0
Race/Ethnicity (2-year average): ^d																					
White	9.1	9.0	8.6	7.9	7.0	6.4	5.9	5.2	4.9	4.7	5.1	5.3	4.7	4.3	4.1	3.8	3.5	3.0	2.6	2.3	-0.3
African American	2.6	2.2	1.9	1.7	1.4	1.9	2.2	1.9	1.5	1.3	1.9	1.9	1.6	1.5	1.6	2.0	2.2	1.9	2.0	2.1	+0.1
Hispanic	5.8	5.9	4.7	4.5	5.5	6.3	4.5	3.4	2.7	2.9	5.3	5.7	4.3	3.3	3.0	3.6	4.5	4.1	3.7	2.8	-0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on four of five forms in 1976–1988;

N is four fifths of N indicated in Table S3. Data based on five of six forms in 1989–1998; N is five sixths of N indicated in Table S3. Data based on three of six forms beginning in 1999;

N is three sixths of N indicated in Table S3.

^aAll data are unadjusted for underreporting of amyl and butyl nitrites, except where otherwise noted.

^bAdjusted for underreporting of amyl and butyl nitrites. See text for details.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 23
HALLUCINOGENS: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013- 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^a	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.9	2.5	2.6	2.7	3.6	4.1	3.7	3.4	2.9	2.8‡	3.4	2.6	2.6	2.2	2.4	2.1	1.9	2.1	1.9	2.2	2.2	1.6	1.6	1.3	-0.3
Gender:																									
Male	2.2	2.6	2.8	3.0	4.0	4.3	4.0	3.7	3.3	3.2‡	3.8	2.9	2.9	2.3	2.5	2.1	2.1	2.2	2.0	2.5	2.6	1.7	1.7	1.5	-0.2
Female	1.6	2.3	2.3	2.4	3.3	3.7	3.2	2.9	2.4	2.5‡	2.9	2.2	2.3	2.1	2.2	2.0	1.8	2.0	1.8	2.0	1.7	1.5	1.6	1.0	-0.6
College Plans:																									
None or under 4 years	5.1	7.2	7.1	6.7	9.6	9.6	10.1	9.2	9.4	7.7‡	9.5	7.8	8.7	7.8	7.6	6.7	6.9	8.4	7.4	6.9	7.7	5.2	5.3	4.1	-1.2
Complete 4 years	1.4	1.8	1.9	2.2	2.9	3.2	2.9	2.7	2.1	2.3‡	2.6	2.0	1.9	1.7	1.8	1.6	1.5	1.6	1.4	1.8	1.8	1.3	1.4	1.0	-0.4
Region:																									
Northeast	1.5	1.6	1.9	2.9	3.4	3.7	2.8	2.4	2.6	2.3‡	2.9	1.5	2.5	2.0	1.9	1.4	1.0	1.4	1.4	1.8	1.1	1.5	1.0	0.6	-0.4
Midwest	1.6	2.4	1.7	2.2	3.8	3.9	3.8	3.5	3.4	3.5‡	2.7	2.7	2.6	1.9	2.2	1.9	2.0	2.0	1.9	2.5	1.8	0.8	1.5	1.0	-0.5
South	1.9	2.7	2.8	2.4	3.3	3.9	3.4	3.7	2.9	2.7‡	4.0	2.9	2.6	2.4	2.9	2.3	1.7	2.3	1.8	1.9	2.0	2.0	1.8	1.3	-0.5
West	2.8	3.2	4.2	3.9	4.2	5.1	4.8	3.5	2.4	2.7‡	3.3	2.9	2.7	2.6	2.3	2.4	2.8	2.5	2.3	3.0	3.9	1.8	1.9	1.9	0.0
Population Density:																									
Large MSA	2.1	2.2	2.2	3.1	4.0	3.8	3.3	2.9	2.5	2.3‡	2.7	2.0	2.2	1.9	2.2	1.4	1.5	2.1	1.5	1.9	2.0	1.7	1.5	1.1	-0.5
Other MSA	2.0	3.0	3.1	3.1	3.8	4.8	4.0	3.4	3.1	3.0‡	3.6	2.4	2.5	2.6	2.4	2.4	2.0	2.3	2.1	2.6	2.6	1.8	1.7	1.4	-0.4
Non-MSA	1.5	2.0	1.8	1.6	3.0	3.2	3.5	3.8	2.8	3.2‡	3.6	3.5	3.3	2.1	2.7	2.5	2.4	1.7	2.0	2.1	1.7	1.1	1.5	1.4	-0.1
Parental Education: ^b																									
1.0–2.0 (Low)	3.9	3.7	3.5	3.1	5.1	4.8	5.0	5.0	4.8	5.4‡	5.9	4.4	4.3	4.8	3.4	2.9	3.0	4.2	3.9	3.1	3.7	2.5	2.3	2.1	-0.2
2.5–3.0	2.2	2.3	2.7	2.8	3.8	4.7	3.9	3.4	3.5	3.2‡	3.9	3.2	3.2	2.5	3.3	2.6	2.0	2.4	1.8	2.8	3.2	1.9	1.8	1.4	-0.4
3.5–4.0	1.6	2.5	2.8	2.8	4.1	4.1	3.8	3.7	2.8	2.8‡	3.7	2.6	2.6	2.1	3.0	2.3	2.3	2.1	2.0	2.4	2.3	2.0	1.5	1.5	-0.1
4.5–5.0	1.6	2.0	2.3	2.8	3.2	4.0	3.4	3.0	2.1	2.1‡	2.4	2.1	2.0	2.0	1.8	1.9	1.6	1.7	1.6	2.0	1.6	1.0	1.4	0.7	-0.7 s
5.5–6.0 (High)	1.4	2.4	2.0	2.5	3.2	3.5	3.5	3.1	2.5	3.1‡	2.3	1.7	1.9	1.7	1.1	1.5	1.1	1.9	1.5	1.4	1.4	1.2	1.6	1.3	-0.3
Race/Ethnicity (2-year average): ^c																									
White	—	2.2	2.6	2.8	3.6	4.5	4.5	3.9	3.2	3.1	2.9‡	2.7 ^d	2.8	2.5	2.4	2.5	2.2	2.1	2.1	2.1	2.1	1.6	1.3	1.2	-0.1
African American	—	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.7	0.7‡	0.7 ^d	0.9	1.2	1.3	1.1	0.7	0.8	0.8	0.7	0.9	1.1	1.2	0.9	-0.3
Hispanic	—	3.8	4.1	4.0	4.0	4.1	4.2	4.6	4.5	4.0	3.4‡	3.6 ^d	2.9	2.9	2.7	1.8	2.1	2.5	2.4	2.7	3.1	2.8	2.1	1.8	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 24
HALLUCINOGENS: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^a	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	4.0	4.3	4.7	5.8	7.2	7.8	7.6	6.9	6.9	6.1‡	6.2	4.7	4.1	4.1	4.0	4.1	4.4	3.9	4.1	4.2	4.1	3.5	3.4	3.3	-0.1
Gender:																									
Male	4.4	4.7	5.7	6.6	8.1	8.5	8.7	7.4	8.1	7.2‡	7.9	5.5	4.9	4.6	4.8	4.5	5.4	4.7	5.0	5.2	4.9	4.6	4.4	3.3	-1.1
Female	3.6	3.8	3.6	4.8	6.1	7.0	6.4	6.3	5.7	4.9‡	4.6	3.9	3.4	3.5	3.1	3.5	3.4	3.1	3.1	3.0	3.2	2.5	2.4	3.4	+0.9
College Plans:																									
None or under 4 years	7.5	7.5	9.1	10.4	12.5	14.5	13.6	14.2	14.3	12.3‡	15.0	10.3	8.9	9.3	9.4	10.0	10.0	10.4	10.5	11.0	10.3	10.5	6.5	8.3	+1.7
Complete 4 years	3.3	3.6	3.7	4.8	6.2	6.6	6.5	5.6	5.7	5.1‡	4.8	3.9	3.3	3.3	3.2	3.3	3.6	3.1	3.4	3.4	3.4	2.9	3.1	2.8	-0.3
Region:																									
Northeast	4.0	2.7	4.7	5.8	5.6	7.7	6.2	8.1	8.6	5.8‡	6.0	4.2	4.0	4.7	5.0	4.0	4.4	3.5	3.4	4.0	4.0	3.0	2.7	3.4	+0.7
Midwest	3.4	4.3	4.6	5.7	7.8	9.0	7.0	5.6	6.7	6.1‡	6.0	5.1	3.5	3.7	3.9	4.1	4.7	3.8	4.4	3.5	3.5	3.2	2.9	3.2	+0.3
South	3.6	3.9	3.6	5.1	7.3	7.5	8.3	7.6	6.5	5.7‡	5.3	4.0	3.9	3.6	3.5	3.5	3.6	4.1	3.8	4.2	4.0	3.4	3.4	3.3	-0.1
West	5.2	6.5	6.7	7.1	7.6	6.6	8.5	6.1	6.1	6.9‡	8.7	5.9	5.0	4.7	3.7	5.1	5.1	4.2	4.9	5.1	5.0	4.5	4.4	3.3	-1.0
Population Density:																									
Large MSA	4.1	4.6	4.9	6.0	7.1	8.6	7.8	6.3	5.8	7.5‡	5.0	4.7	3.2	2.9	3.4	4.1	3.9	3.9	4.0	3.9	4.0	3.4	2.6	2.8	+0.2
Other MSA	4.8	4.4	4.9	6.4	8.0	8.2	7.9	7.6	7.8	5.8‡	6.6	4.9	4.4	5.0	4.3	4.1	4.7	4.2	4.3	4.3	4.4	3.7	3.9	3.7	-0.2
Non-MSA	2.5	3.7	4.1	4.4	5.5	6.0	6.7	6.3	6.5	5.1‡	6.8	4.4	4.6	3.9	4.2	3.8	4.2	3.4	3.8	4.1	3.7	3.4	3.2	3.4	+0.2
Parental Education: ^b																									
1.0–2.0 (Low)	3.7	4.9	6.0	6.1	7.7	8.0	6.5	8.3	7.0	5.2‡	6.4	5.3	6.5	3.2	3.7	5.3	5.4	5.0	5.8	5.3	5.7	4.9	4.4	3.0	-1.4
2.5–3.0	4.3	4.2	4.5	5.5	7.6	8.5	7.3	8.2	8.1	5.8‡	6.7	5.2	4.7	4.8	4.5	4.5	4.6	4.1	3.9	5.6	4.6	4.5	4.0	3.5	-0.5
3.5–4.0	3.7	4.6	4.8	5.9	7.6	8.6	8.2	6.6	6.6	6.7‡	6.1	4.8	4.0	3.9	4.0	3.8	4.5	4.2	4.3	4.2	4.1	3.3	3.9	4.3	+0.4
4.5–5.0	4.1	3.8	4.5	5.5	6.6	6.9	8.2	6.1	6.6	6.3‡	6.0	4.0	3.5	3.7	4.0	3.9	4.2	3.3	3.6	3.5	3.5	3.2	2.9	2.7	-0.2
5.5–6.0 (High)	4.6	4.2	4.6	6.2	6.5	7.2	6.8	6.0	6.5	6.2‡	5.8	5.2	3.4	4.1	3.7	4.0	3.9	3.3	4.5	3.3	3.5	2.8	3.0	2.7	-0.4
Race/Ethnicity (2-year average): ^c																									
White	—	4.9	5.1	5.6	7.1	8.6	8.9	8.4	8.2	7.6	6.6‡	5.6 ^d	5.3	4.9	4.7	4.7	4.9	4.8	4.5	4.5	4.4	4.1	3.6	3.5	-0.1
African American	—	0.2	0.6	1.1	1.2	0.9	1.0	1.1	1.0	1.0	1.3‡	1.4 ^d	1.0	0.8	1.2	1.4	1.0	1.1	1.4	1.6	1.4	1.4	1.5	1.5	0.0
Hispanic	—	3.6	4.5	5.7	6.3	6.6	7.3	7.3	6.4	5.2	4.4‡	4.5 ^d	3.9	3.8	4.0	3.5	2.8	3.6	4.3	4.3	4.5	4.2	3.5	3.1	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. " ‡ " indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 25
HALLUCINOGENS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				(Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	11.2	9.4	8.8	9.6	9.9	9.3	9.0	8.1	7.3	6.5	6.3	6.0	6.4	5.5	5.6	5.9	5.8	5.9	7.4	7.6	
Adjusted ^b	—	—	—	—	11.8	10.4	10.1	9.0	8.3	7.3	7.6	7.6	6.7	5.8	6.2	6.0	6.1	6.2	7.8	7.8	
Gender:																					
Male	13.7	11.6	10.8	11.6	11.8	11.7	10.9	9.6	8.6	7.9	8.1	7.2	7.5	7.2	7.4	7.7	7.5	7.1	8.9	9.2	
Female	9.0	6.9	6.5	7.3	7.6	6.7	6.8	6.1	5.5	4.7	4.4	4.7	5.2	3.7	3.6	3.8	3.9	4.7	5.6	5.8	
College Plans:																					
None or under 4 years	—	11.2	10.6	11.0	11.3	11.2	10.7	9.5	8.9	8.3	7.7	7.4	7.9	6.4	7.1	6.6	7.0	7.8	8.1	8.4	
Complete 4 years	—	6.9	6.4	7.3	7.5	7.1	7.4	6.2	5.4	4.7	5.0	4.7	5.4	4.7	4.8	5.3	5.3	5.1	6.9	7.0	
Region:																					
Northeast	13.2	10.9	10.6	13.0	12.9	12.2	12.9	11.4	8.7	11.3	9.9	7.9	7.5	5.8	5.6	6.6	7.0	7.1	9.0	9.0	
Midwest	13.0	10.3	9.7	10.7	11.1	11.3	10.3	9.1	8.9	6.0	6.8	6.6	6.9	5.3	6.6	5.7	6.5	5.9	6.8	8.1	
South	8.5	7.4	6.8	6.3	5.7	5.4	4.1	4.6	5.2	3.9	3.2	3.3	4.8	5.2	4.9	5.0	3.7	4.7	5.9	6.7	
West	10.2	9.3	8.2	9.6	11.0	9.2	10.4	7.8	6.3	7.0	6.3	7.2	7.4	6.0	5.5	6.9	7.3	7.3	9.2	7.1	
Population Density:																					
Large MSA	13.9	11.1	9.9	11.9	12.3	11.6	12.0	10.9	9.2	8.8	8.3	7.6	7.9	6.5	5.4	5.7	5.1	6.2	7.3	8.1	
Other MSA	12.1	9.8	9.1	9.3	10.5	9.8	9.0	7.6	7.6	6.3	6.1	5.9	6.3	6.0	5.9	6.6	7.7	6.0	8.1	8.6	
Non-MSA	8.5	7.7	7.5	8.3	7.1	7.1	6.8	6.5	5.3	5.0	5.0	4.9	5.3	3.5	5.0	4.5	3.3	5.5	6.3	5.1	
Parental Education: ^c																					
1.0–2.0 (Low)	8.9	7.4	6.8	7.7	7.1	8.0	6.7	6.5	6.5	5.4	4.8	5.4	5.8	4.9	4.2	3.8	4.9	3.6	4.9	5.0	
2.5–3.0	10.2	10.0	9.1	9.6	9.6	9.5	8.9	8.0	6.8	6.7	6.4	6.0	6.2	4.2	4.9	4.6	4.9	5.6	5.9	7.0	
3.5–4.0	10.9	9.8	9.2	9.7	9.7	9.2	9.2	8.6	7.7	6.3	7.2	6.3	6.0	4.8	5.6	6.5	6.2	6.0	7.5	8.0	
4.5–5.0	11.1	10.1	8.8	10.2	10.9	9.1	9.4	7.8	7.0	5.9	6.2	5.5	6.8	6.7	6.6	6.8	6.1	6.2	8.9	7.7	
5.5–6.0 (High)	8.9	9.4	9.5	10.2	11.7	9.9	10.6	9.0	7.0	7.6	4.3	5.9	7.2	7.2	7.0	8.2	7.3	7.4	8.9	9.0	
Race/Ethnicity (2-year average): ^d																					
White	—	—	9.8	9.9	10.5	10.3	10.0	9.3	8.3	7.5	7.0	6.7	6.8	6.8	6.4	6.7	6.8	6.9	7.9	8.6	
African American	—	—	2.4	2.3	2.0	1.9	1.9	1.8	2.2	1.7	1.2	1.6	1.5	1.0	0.9	0.8	0.6	0.7	0.8	1.2	
Hispanic	—	—	7.9	7.2	7.0	7.1	7.0	7.7	6.6	5.2	5.7	5.7	5.0	4.0	3.2	3.3	4.4	4.6	5.3	5.8	

(Table continued on next page.)

TABLE 25 (cont.)
HALLUCINOGENS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001 ^g	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^h	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	9.3	10.1	9.8	9.0	9.4	8.1‡	9.1	6.6	5.9	6.2	5.5	4.9	5.4	5.9	4.7	5.5	5.2	4.8	4.5	4.0	-0.5
Adjusted ^b	9.7	10.7	10.0	9.2	9.8	8.7‡	9.7	7.2	6.5	6.4	5.9	5.3	5.8	6.1	5.2	6.0	5.8	5.0	4.9	—	
Gender:																					
Male	11.9	12.4	12.0	11.0	11.4	9.6‡	11.1	8.4	7.8	8.4	7.4	6.2	7.5	7.8	6.2	7.9	7.0	6.0	5.9	5.5	-0.4
Female	6.3	7.3	7.4	6.8	7.4	6.3‡	6.8	4.7	3.8	3.8	3.4	3.6	3.3	3.9	3.1	2.9	3.3	3.1	2.8	2.6	-0.2
College Plans:																					
None or under 4 years	11.9	12.1	11.3	12.0	10.5	10.3‡	10.4	9.8	8.2	7.7	7.8	7.0	8.3	8.4	5.6	8.4	7.7	5.8	6.0	5.8	-0.2
Complete 4 years	8.2	9.0	9.0	7.8	8.7	7.0‡	8.0	5.5	5.0	5.4	4.7	4.4	4.6	5.2	4.3	4.8	4.6	4.5	4.0	3.5	-0.5
Region:																					
Northeast	10.1	13.3	13.9	10.7	9.8	9.3‡	9.8	9.1	7.8	7.0	5.5	7.1	6.7	8.0	4.7	6.2	5.7	5.2	4.5	4.4	-0.1
Midwest	9.2	8.8	7.6	8.4	9.8	7.0‡	11.4	6.4	5.4	5.3	6.7	4.9	5.3	4.5	5.9	5.4	5.2	4.5	4.9	4.0	-0.8
South	8.8	8.9	9.2	8.5	8.6	6.9‡	5.8	5.6	4.9	5.7	5.2	4.1	4.2	5.7	3.9	4.5	3.9	4.2	3.9	4.0	+0.1
West	9.6	10.5	9.5	9.1	10.0	10.5‡	10.8	6.2	6.3	7.4	4.4	4.3	6.5	6.2	4.6	6.6	6.7	5.5	4.8	3.6	-1.2
Population Density:																					
Large MSA	11.0	10.5	8.8	8.7	8.4	8.9‡	11.5	6.8	4.4	5.6	5.5	6.0	6.2	6.9	5.1	5.6	4.9	5.4	4.5	4.2	-0.2
Other MSA	9.5	11.4	11.2	9.9	10.4	8.3‡	8.7	7.2	7.2	7.2	5.9	4.5	5.1	5.7	4.7	5.9	5.6	5.0	5.0	4.1	-0.9
Non-MSA	7.0	7.4	8.3	7.4	8.8	7.0‡	7.3	5.2	5.5	4.8	4.5	4.1	4.8	5.3	4.2	4.3	4.4	3.2	3.1	3.3	+0.2
Parental Education: ^c																					
1.0–2.0 (Low)	7.2	7.4	7.3	7.9	9.0	7.0‡	6.3	5.1	5.3	4.9	3.0	4.9	3.9	4.4	3.6	3.7	4.9	3.3	4.4	3.0	-1.4
2.5–3.0	8.7	8.8	8.5	8.8	8.6	7.4‡	9.1	6.6	4.9	5.6	5.7	5.1	4.9	5.0	4.5	5.0	4.3	5.1	4.7	4.1	-0.6
3.5–4.0	9.5	10.3	9.9	9.5	10.6	8.2‡	9.4	7.1	6.4	6.6	5.4	5.1	5.5	5.5	4.6	6.2	5.4	4.8	4.6	4.4	-0.2
4.5–5.0	9.6	10.5	10.4	8.6	9.3	7.7‡	8.6	6.7	6.5	6.4	5.7	4.6	5.4	6.7	5.3	5.5	4.9	5.0	3.9	3.8	-0.1
5.5–6.0 (High)	9.5	11.4	11.6	9.4	8.4	9.6‡	8.8	5.9	5.3	6.1	5.7	4.6	6.7	7.2	4.6	5.4	5.7	4.5	4.7	4.1	-0.6
Race/Ethnicity (2-year average): ^d																					
White	9.5	10.8	11.6	11.3	10.7	9.9	9.0‡	8.4 ^f	7.2	7.0	6.7	6.0	6.2	6.9	6.3	6.1	6.4	6.0	5.2	4.6	-0.6
African American	1.2	1.7	1.9	1.4	1.2	1.6	1.4‡	1.2 ^f	1.3	1.2	1.3	1.5	1.4	1.4	1.2	1.3	1.7	1.6	1.5	1.9	+0.3
Hispanic	7.1	8.3	7.3	6.8	7.9	9.6	7.8‡	6.0 ^f	4.6	4.1	3.9	3.8	3.9	3.5	3.3	3.3	3.0	2.9	3.5	3.5	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aAll data are unadjusted for the underreporting of PCP, unless otherwise indicated.

^bAdjusted for the underreporting of PCP. See text for details.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^fDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

^gIn 2014 questions on use of LSD and hallucinogens other than LSD, the two components of hallucinogen use, were each dropped from one of six forms. 2014 data is based on 5 of 6 forms; N is five sixths of N indicated.

TABLE 26
LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.7	2.1	2.3	2.4	3.2	3.5	3.2	2.8	2.4	2.4	2.2	1.5	1.3	1.1	1.2	0.9	1.1	1.3	1.1	1.2	1.1	0.8	1.0	0.7	-0.3
Gender:																									
Male	2.0	2.1	2.5	2.6	3.4	3.7	3.5	3.2	2.7	2.6	2.3	1.7	1.4	1.1	1.2	0.8	1.1	1.4	1.1	1.2	1.4	0.8	1.0	0.8	-0.2
Female	1.3	2.0	2.1	2.1	2.9	3.2	2.8	2.4	2.0	2.2	2.1	1.3	1.1	1.1	1.1	1.0	1.0	1.2	1.1	1.1	0.8	0.8	1.0	0.6	-0.5
College Plans:																									
None or under 4 years	4.5	6.4	6.4	6.2	8.5	8.2	9.3	7.8	8.2	6.7	5.8	5.7	4.3	4.7	4.1	3.4	3.9	5.2	4.9	3.7	3.9	3.3	3.8	2.5	-1.3
Complete 4 years	1.2	1.5	1.6	1.8	2.5	2.7	2.5	2.2	1.7	2.0	1.8	1.1	0.9	0.7	0.8	0.7	0.8	1.0	0.8	0.9	0.9	0.6	0.8	0.6	-0.3
Region:																									
Northeast	1.3	1.4	1.8	2.6	2.9	2.9	2.3	2.1	2.2	1.9	1.9	0.9	1.4	1.0	0.9	0.5	0.6	0.8	0.8	1.0	0.6	0.7	0.6	0.3	-0.3
Midwest	1.4	1.8	1.4	1.7	3.5	3.4	3.3	2.5	2.7	3.0	1.7	1.8	1.2	0.9	0.9	0.7	1.2	1.3	1.1	1.4	0.9	0.3	0.9	0.6	-0.3
South	1.8	2.4	2.4	2.1	2.8	3.4	3.0	3.2	2.5	2.4	2.7	1.8	1.3	1.2	1.5	1.1	1.0	1.4	1.0	1.0	1.0	1.1	1.2	0.8	-0.4
West	2.2	2.9	3.7	3.3	3.8	4.3	4.3	3.2	1.9	2.3	2.0	1.2	1.2	1.2	1.1	1.0	1.4	1.4	1.6	1.4	2.1	0.9	1.1	1.0	-0.1
Population Density:																									
Large MSA	1.9	2.0	2.0	2.7	3.6	3.2	2.9	2.6	2.2	2.0	1.8	1.3	1.3	1.1	1.0	0.6	0.7	1.4	1.0	1.0	1.0	0.9	1.0	0.7	-0.3
Other MSA	1.7	2.5	2.8	2.8	3.3	4.1	3.6	2.9	2.7	2.6	2.3	1.5	1.2	1.3	1.1	1.1	1.2	1.3	1.2	1.4	1.3	0.8	1.1	0.7	-0.4
Non-MSA	1.3	1.6	1.4	1.3	2.4	2.6	2.8	2.9	1.9	2.8	2.4	1.9	1.4	0.7	1.4	1.0	1.3	1.0	1.1	1.0	0.9	0.6	0.8	0.7	-0.1
Parental Education: ^a																									
1.0–2.0 (Low)	3.5	3.1	3.1	2.8	4.6	4.4	4.7	4.4	3.7	4.9	4.1	3.4	2.3	2.8	1.7	1.8	1.8	2.4	2.6	1.6	1.7	1.6	1.3	1.4	+0.2
2.5–3.0	1.8	2.1	2.3	2.6	3.1	4.0	3.2	2.8	2.7	2.9	2.6	2.0	1.4	1.2	1.7	1.0	1.1	1.6	1.1	1.1	1.7	1.1	1.0	0.8	-0.2
3.5–4.0	1.4	2.0	2.4	2.4	3.6	3.5	3.4	3.1	2.4	2.2	2.4	1.3	1.3	1.0	1.5	1.0	1.0	1.1	1.0	1.4	1.2	0.7	0.8	1.0	+0.2
4.5–5.0	1.4	1.5	2.1	2.1	2.6	3.4	2.9	2.5	1.9	1.8	1.5	1.2	1.1	1.0	0.6	0.7	1.0	1.0	0.8	1.0	0.8	0.4	1.0	0.4	-0.6 s
5.5–6.0 (High)	1.3	2.0	2.0	2.1	2.9	3.0	2.9	2.4	1.9	2.3	1.3	0.8	0.8	0.6	0.4	0.7	0.6	1.3	0.9	0.8	0.8	0.7	1.1	0.6	-0.5
Race/Ethnicity (2-year average): ^b																									
White	—	1.9	2.3	2.5	3.1	3.9	3.9	3.2	2.6	2.6	2.6	2.0	1.5	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.0	0.7	0.7	0.7	0.0
African American	—	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.6	0.8	0.9	0.6	0.3	0.6	0.7	0.5	0.6	0.6	0.8	0.6	-0.2
Hispanic	—	3.3	3.7	3.6	3.3	3.5	3.9	4.2	3.9	3.5	3.2	2.4	1.7	1.8	1.7	1.0	1.3	1.6	1.5	1.6	1.8	1.4	1.2	1.2	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 27
LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	3.7	4.0	4.2	5.2	6.5	6.9	6.7	5.9	6.0	5.1	4.1	2.6	1.7	1.6	1.5	1.7	1.9	1.8	1.9	1.9	1.8	1.7	1.7	1.9	+0.2
Gender:																									
Male	3.9	4.3	5.1	5.9	7.4	7.6	7.6	6.3	7.0	5.9	5.1	3.1	1.9	1.8	1.9	2.1	2.3	2.2	2.3	2.4	2.2	2.3	2.3	2.1	-0.3
Female	3.4	3.6	3.2	4.3	5.5	6.2	5.8	5.4	5.1	4.3	3.1	2.0	1.6	1.4	1.0	1.3	1.5	1.3	1.3	1.3	1.3	1.1	1.0	1.8	+0.8 s
College Plans:																									
None or under 4 years	6.8	7.0	8.4	9.4	11.1	13.1	12.8	12.4	13.1	11.1	9.9	6.0	4.4	4.5	4.1	5.1	4.3	5.1	5.9	5.1	4.2	6.3	3.5	5.2	+1.7
Complete 4 years	3.0	3.4	3.3	4.2	5.6	5.8	5.7	4.7	4.9	4.1	3.2	2.0	1.3	1.2	1.1	1.2	1.5	1.3	1.4	1.5	1.6	1.3	1.5	1.5	+0.1
Region:																									
Northeast	3.6	2.6	3.8	5.1	4.7	6.4	5.2	7.1	7.5	4.1	4.0	2.2	1.8	1.7	2.3	1.7	1.8	1.5	1.6	2.0	1.8	1.4	1.7	1.7	-0.1
Midwest	3.2	4.1	4.4	5.2	7.3	8.3	6.0	4.5	6.0	5.4	4.3	2.8	1.7	1.5	1.2	1.6	2.2	2.0	2.3	1.4	1.7	1.6	1.5	2.0	+0.4
South	3.3	3.7	3.2	4.6	6.8	6.8	7.9	6.5	5.8	5.0	3.5	2.3	1.7	1.4	1.4	1.7	1.6	1.8	1.6	2.1	2.1	1.7	1.5	2.2	+0.7
West	4.8	5.9	6.1	6.3	6.5	5.7	7.4	5.2	5.1	5.9	5.3	3.2	1.7	1.9	1.0	1.8	1.9	1.7	2.0	2.0	1.8	2.1	1.9	1.5	-0.5
Population Density:																									
Large MSA	3.8	4.4	4.4	5.4	6.6	7.6	7.0	5.4	4.9	6.4	3.8	2.6	1.3	1.1	1.2	1.6	1.6	1.5	1.7	1.7	1.8	1.8	1.3	1.7	+0.5
Other MSA	4.4	4.1	4.4	5.9	7.1	7.4	7.0	6.6	6.7	4.8	4.1	2.7	1.7	1.9	1.5	1.7	2.1	1.9	2.2	1.9	1.8	1.7	2.2	2.1	-0.1
Non-MSA	2.3	3.5	3.7	3.7	5.0	5.2	6.0	5.0	5.9	4.4	4.6	2.3	2.3	1.5	1.8	1.8	1.7	1.7	1.4	2.1	1.9	1.8	0.9	1.6	+0.6
Parental Education: ^a																									
1.0–2.0 (Low)	3.1	4.4	5.5	5.5	6.9	7.6	5.9	7.9	6.3	4.9	3.9	2.7	3.7	1.3	1.8	2.5	2.9	2.2	2.5	2.4	3.0	2.0	2.2	1.7	-0.6
2.5–3.0	4.0	4.2	4.2	5.1	6.9	7.6	6.6	7.0	7.3	5.1	4.8	2.9	2.0	1.7	1.7	2.1	2.0	1.6	1.9	2.5	1.8	2.6	1.8	1.8	0.0
3.5–4.0	3.4	4.1	4.2	5.3	6.9	7.9	7.4	5.6	5.8	5.6	4.3	2.8	1.7	1.4	1.6	1.6	1.8	1.9	2.0	1.8	1.8	1.4	1.7	2.3	+0.6
4.5–5.0	3.8	3.6	3.9	4.8	6.0	6.0	7.0	5.0	5.7	5.0	3.8	2.0	1.2	1.4	1.2	1.3	1.7	1.5	1.5	1.6	1.7	1.6	1.5	1.6	+0.1
5.5–6.0 (High)	4.2	3.9	3.9	5.4	5.9	5.8	6.0	4.6	5.3	5.0	3.5	2.4	1.2	1.6	1.4	1.3	1.7	1.9	2.2	1.9	1.6	1.3	1.7	1.6	-0.1
Race/Ethnicity (2-year average): ^b																									
White	—	4.6	4.6	5.0	6.4	7.7	7.9	7.3	7.0	6.5	5.2	3.8	2.4	1.9	1.7	1.8	2.0	2.0	1.9	2.0	2.0	1.9	1.9	2.0	+0.1
African American	—	0.2	0.5	0.9	1.0	0.8	0.9	1.0	0.9	0.9	0.9	0.6	0.4	0.4	0.6	0.7	0.6	0.7	0.9	1.1	1.0	0.8	0.8	1.1	+0.3
Hispanic	—	3.2	4.1	5.0	5.7	6.1	6.7	6.6	5.6	4.6	3.7	2.9	2.4	1.7	1.6	1.6	1.4	1.8	2.0	1.7	1.9	1.9	1.5	1.4	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 28
LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	7.2	6.4	5.5	6.3	6.6	6.5	6.5	6.1	5.4	4.7	4.4	4.5	5.2	4.8	4.9	5.4	5.2	5.6	6.8	6.9	
Gender:																					
Male	9.6	7.9	7.1	7.8	8.0	8.1	8.0	7.4	6.7	5.8	5.9	5.5	6.4	6.5	6.5	7.1	6.8	6.7	8.4	8.4	
Female	5.6	4.6	3.9	4.5	4.8	4.8	4.7	4.3	3.8	3.1	2.8	3.4	3.9	3.0	3.2	3.6	3.4	4.4	5.1	5.3	
College Plans:																					
None or under 4 years	—	7.5	6.7	7.2	8.0	8.2	8.0	7.5	6.9	6.1	5.6	5.9	6.6	5.7	6.5	6.2	6.4	7.6	7.5	7.7	
Complete 4 years	—	4.7	4.0	4.6	4.5	4.7	5.0	4.3	3.8	3.1	3.4	3.3	4.3	4.1	4.2	4.8	4.7	4.8	6.4	6.3	
Region:																					
Northeast	8.5	8.0	7.2	8.0	7.9	6.8	9.0	8.0	5.6	7.0	5.4	5.1	5.3	4.7	5.1	5.9	6.1	6.6	8.6	8.2	
Midwest	8.7	7.0	6.5	7.9	7.9	8.5	7.8	7.3	7.0	4.4	5.3	5.3	5.7	4.7	6.0	5.3	5.9	5.5	6.3	7.3	
South	5.4	4.7	3.7	3.7	3.4	4.3	3.4	3.9	4.4	3.5	2.8	2.6	4.2	4.7	4.2	4.7	3.4	4.4	5.5	6.3	
West	7.6	5.9	5.0	5.8	8.3	6.5	6.3	4.8	4.2	4.5	4.6	5.9	6.2	5.2	4.4	6.4	6.5	7.0	8.5	6.2	
Population Density:																					
Large MSA	9.4	7.9	6.4	7.2	7.6	7.3	8.0	7.3	5.7	4.7	4.1	4.4	5.6	5.2	4.6	5.2	4.3	5.7	6.7	7.3	
Other MSA	7.4	6.8	5.6	6.1	7.3	6.8	6.9	6.3	6.0	4.9	4.8	4.9	5.4	5.6	5.3	6.1	7.0	5.8	7.6	7.9	
Non-MSA	5.7	4.8	4.8	5.8	4.9	5.6	4.9	4.8	4.4	4.2	4.1	4.0	4.4	3.1	4.3	4.2	3.0	5.1	5.6	4.6	
Parental Education: ^a																					
1.0–2.0 (Low)	6.1	4.8	4.5	5.0	4.5	5.2	4.8	5.0	4.9	4.1	3.0	3.9	4.4	4.1	3.6	3.4	4.3	3.3	4.6	4.4	
2.5–3.0	6.5	6.8	5.8	6.1	6.3	6.8	6.5	6.1	5.1	4.8	4.5	4.6	4.9	3.8	4.3	4.4	4.4	5.2	5.6	6.5	
3.5–4.0	6.4	6.7	5.6	6.1	6.7	6.7	6.7	6.4	5.7	4.3	4.7	4.6	4.9	4.2	5.1	6.0	5.5	5.7	7.0	7.4	
4.5–5.0	7.0	6.4	5.3	6.7	7.5	5.7	6.4	5.7	5.2	4.3	4.8	4.1	5.8	6.2	5.9	6.2	5.3	5.8	8.3	6.9	
5.5–6.0 (High)	6.5	6.4	6.1	7.0	7.4	7.2	7.7	6.0	4.8	5.0	3.8	4.7	6.1	6.2	5.5	7.4	7.1	7.0	8.2	7.9	
Race/Ethnicity (2-year average): ^b																					
White	—	—	6.3	6.3	6.8	7.0	7.2	6.9	6.2	5.5	5.0	4.9	5.4	5.8	5.7	6.1	6.3	6.4	7.4	8.0	
African American	—	—	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.7	0.7	1.0	0.8	0.6	0.7	0.6	0.6	0.6	0.6	0.9	
Hispanic	—	—	6.1	5.0	4.9	5.2	4.5	5.2	5.0	4.1	3.9	3.9	4.0	3.1	2.3	2.7	3.6	4.1	5.1	5.4	

(Table continued on next page.)

TABLE 28 (cont.)
LSD: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^c	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	8.4	8.8	8.4	7.6	8.1	6.6	6.6	3.5	1.9	2.2	1.8	1.7	2.1	2.7	1.9	2.6	2.7	2.4	2.2	2.5	+0.3
Gender:																					
Male	10.7	10.9	10.3	9.3	10.0	7.6	7.9	4.4	2.5	3.1	2.7	2.1	3.0	3.7	2.4	3.6	3.6	2.9	2.9	3.4	+0.5
Female	5.8	6.5	6.2	5.7	6.1	5.3	5.0	2.3	1.2	1.2	0.9	1.1	1.2	1.6	1.3	1.4	1.7	1.6	1.3	1.5	+0.2
College Plans:																					
None or under 4 years	11.2	11.4	10.3	10.9	9.4	8.7	8.2	5.7	3.0	3.2	3.4	2.6	4.1	4.8	2.5	4.2	3.7	3.1	3.4	3.7	+0.3
Complete 4 years	7.3	7.7	7.4	6.3	7.3	5.6	5.7	2.7	1.4	1.8	1.3	1.4	1.6	2.1	1.6	2.1	2.4	2.2	1.7	2.2	+0.4
Region:																					
Northeast	8.8	11.9	11.8	8.2	7.8	7.1	6.7	5.4	2.4	2.3	1.7	3.0	2.1	3.0	2.6	3.7	3.0	2.9	2.7	2.6	-0.1
Midwest	8.3	7.7	7.0	7.6	9.1	5.9	8.6	3.7	1.8	1.8	2.1	1.6	2.7	2.5	2.4	2.8	3.0	1.9	2.3	2.3	0.0
South	8.1	7.9	8.1	7.4	7.7	6.0	4.7	3.1	1.9	2.6	1.8	1.4	1.7	3.0	1.2	2.0	2.1	2.1	1.8	3.1	+1.3 s
West	8.5	8.8	6.9	7.1	7.7	7.9	6.6	2.1	1.4	2.3	1.6	1.1	2.0	2.2	1.5	2.3	2.9	2.8	2.2	1.6	-0.6
Population Density:																					
Large MSA	9.7	9.0	7.7	7.2	6.8	6.7	7.7	3.3	1.5	1.9	1.8	2.2	2.4	2.7	2.4	2.4	2.4	2.5	2.2	2.6	+0.4
Other MSA	8.7	10.0	9.3	8.4	9.2	6.9	6.4	4.0	2.2	2.6	1.9	1.5	2.0	2.8	1.7	2.9	3.0	2.7	2.4	2.6	+0.1
Non-MSA	6.5	6.5	7.3	6.1	7.4	5.9	5.6	2.7	1.7	1.9	1.7	1.2	1.8	2.6	1.4	2.0	2.3	1.4	1.5	2.1	+0.6
Parental Education: ^a																					
1.0–2.0 (Low)	6.6	6.7	6.8	6.8	8.6	5.6	5.4	2.4	1.5	3.2	1.7	1.5	2.3	2.3	1.8	1.9	2.4	1.7	2.0	2.0	0.0
2.5–3.0	8.1	8.2	7.3	7.8	7.6	6.4	6.7	3.4	1.9	2.4	1.9	2.0	1.9	2.4	1.6	2.3	2.3	2.6	2.8	2.5	-0.3
3.5–4.0	8.6	9.3	8.5	8.2	9.0	6.7	6.3	4.0	1.7	1.8	1.5	1.9	2.1	2.4	1.6	2.7	2.8	2.4	1.9	2.7	+0.7
4.5–5.0	8.6	8.7	8.6	6.5	8.0	6.0	6.7	3.1	1.7	2.0	1.7	1.3	2.0	2.8	1.9	2.3	2.7	2.4	1.9	2.1	+0.2
5.5–6.0 (High)	8.3	9.2	9.5	7.3	6.4	7.0	5.6	2.8	1.7	2.2	1.7	1.1	2.3	3.2	2.1	3.2	2.4	2.2	2.1	2.8	+0.7
Race/Ethnicity (2-year average): ^b																					
White	8.6	9.7	10.1	9.5	9.1	8.3	7.5	5.8	3.0	2.2	2.2	1.8	2.1	2.8	2.6	2.7	3.3	3.1	2.5	2.4	-0.1
African American	1.0	1.3	1.6	1.1	0.8	1.3	1.3	0.8	0.8	0.8	0.7	0.9	0.8	0.8	0.7	0.8	1.0	0.9	0.8	1.1	+0.3
Hispanic	6.4	7.4	6.3	5.9	7.0	7.6	5.8	3.8	1.8	1.7	1.7	1.4	1.8	1.8	1.3	0.9	1.0	1.3	1.7	2.0	+0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cIn 2014 questions on use of LSD were dropped from one of six forms. 2014 data is based on 5 of 6 forms; N is five sixths of N indicated.

TABLE 29
HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use
by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^a	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	change	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600		
Total	0.7	1.1	1.0	1.3	1.7	2.0	1.8	1.6	1.5	1.4‡	2.4	2.1	2.1	1.9	2.0	1.8	1.6	1.6	1.5	1.8	1.8	1.3	1.2	1.0	-0.2	
Gender:																										
Male	0.8	1.1	1.2	1.6	1.9	2.1	2.1	1.8	1.8	1.5‡	2.8	2.4	2.4	1.9	2.2	1.8	1.7	1.6	1.7	2.1	2.1	1.3	1.2	1.2	-0.1	
Female	0.6	1.0	0.9	0.9	1.4	1.7	1.4	1.4	1.1	1.3‡	2.0	1.7	1.8	1.8	1.8	1.7	1.4	1.5	1.4	1.6	1.4	1.2	1.1	0.7	-0.4 s	
College Plans:																										
None or under 4 years	1.7	3.6	2.9	3.6	4.8	5.2	4.7	5.1	5.3	3.9‡	7.4	6.5	7.5	6.5	6.1	5.5	6.0	6.9	5.9	6.0	5.8	3.8	3.7	3.2	-0.5	
Complete 4 years	0.5	0.7	0.7	1.0	1.3	1.4	1.4	1.2	1.0	1.2‡	1.8	1.6	1.5	1.4	1.6	1.4	1.2	1.1	1.2	1.5	1.5	1.1	1.0	0.8	-0.3	
Region:																										
Northeast	0.4	0.6	0.7	1.4	1.8	2.1	1.7	1.2	1.4	1.3‡	2.1	1.3	1.9	1.6	1.5	1.2	0.8	1.0	1.3	1.4	0.9	1.2	0.5	0.5	0.0	
Midwest	0.6	1.3	0.6	1.1	1.6	1.8	1.8	1.9	1.7	1.8‡	1.8	2.1	2.2	1.7	1.9	1.7	1.7	1.4	1.4	2.0	1.4	0.7	1.1	0.8	-0.4	
South	0.7	1.0	1.0	1.0	1.5	1.7	1.4	1.8	1.6	1.3‡	2.9	2.2	2.2	1.9	2.4	1.8	1.4	1.7	1.4	1.4	1.5	1.6	1.3	0.9	-0.4	
West	1.4	1.3	1.9	1.9	1.9	2.6	2.7	1.3	1.1	1.4‡	2.4	2.6	2.3	2.2	2.0	2.2	2.3	1.8	2.1	2.6	3.4	1.4	1.5	1.5	+0.1	
Population Density:																										
Large MSA	0.7	0.8	0.7	1.6	1.6	1.8	1.4	1.3	1.1	1.2‡	1.9	1.6	1.6	1.4	2.0	1.2	1.3	1.4	1.2	1.6	1.7	1.4	1.0	0.8	-0.2	
Other MSA	0.7	1.3	1.3	1.4	1.8	2.2	1.9	1.6	1.5	1.7‡	2.6	1.9	2.1	2.1	2.0	2.0	1.6	1.7	1.6	2.0	2.2	1.4	1.2	1.0	-0.2	
Non-MSA	0.7	1.0	0.9	0.8	1.5	1.7	1.9	2.0	1.9	1.3‡	2.6	3.0	3.0	2.0	2.2	2.1	2.0	1.3	1.8	1.7	1.1	0.9	1.2	1.1	-0.1	
Parental Education: ^b																										
1.0–2.0 (Low)	1.5	1.8	1.4	1.6	2.4	2.2	2.6	2.7	2.6	2.5‡	5.0	3.4	3.5	3.9	2.7	2.3	2.5	3.1	3.3	2.7	3.1	1.6	1.8	1.6	-0.2	
2.5–3.0	0.8	0.7	1.1	1.1	1.7	2.1	2.0	1.3	1.9	1.5‡	2.3	2.6	2.8	2.0	2.9	2.2	1.5	1.7	1.3	2.4	2.3	1.5	1.4	1.1	-0.3	
3.5–4.0	0.4	1.2	1.2	1.2	1.8	2.0	1.6	1.8	1.3	1.3‡	2.6	1.9	2.2	1.7	2.6	1.8	1.9	1.7	1.6	2.0	1.9	1.7	1.2	1.0	-0.2	
4.5–5.0	0.8	0.9	0.7	1.5	1.6	2.0	1.6	1.5	0.9	1.1‡	1.6	1.7	1.5	1.6	1.6	1.7	1.2	1.2	1.3	1.7	1.4	0.8	0.9	0.6	-0.3	
5.5–6.0 (High)	0.8	1.3	0.9	1.5	1.7	1.4	1.9	1.9	1.5	2.0‡	1.9	1.5	1.6	1.6	1.0	1.2	0.9	1.3	1.3	1.0	1.2	1.1	1.0	1.0	0.0	
Race/Ethnicity (2-year average): ^c																										
White	—	0.9	1.0	1.2	1.7	2.1	2.1	1.8	1.6	1.6	1.4‡	1.5 ^d	2.3	2.2	2.1	2.2	1.8	1.7	1.6	1.8	1.8	1.3	1.1	1.0	-0.1	
African American	—	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3‡	0.4 ^d	0.6	0.8	0.9	0.9	0.6	0.6	0.6	0.6	0.6	0.5	0.7	0.7	0.4	-0.3
Hispanic	—	1.5	1.5	1.5	1.8	2.1	2.0	2.2	2.2	1.8	1.2‡	1.8 ^d	2.2	2.2	2.1	1.4	1.6	1.9	1.8	2.1	2.6	2.3	1.6	1.3	-0.3	

Source. The Monitoring the Future study, the University of Michigan.

Notes. ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only;

N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and

have been treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details

on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 30
HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use
by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^a	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	1.3	1.4	1.9	2.4	2.8	3.3	3.3	3.4	3.2	3.1‡	4.4	4.0	3.6	3.7	3.5	3.7	3.8	3.3	3.5	3.5	3.5	3.0	2.7	2.6	-0.2
Gender:																									
Male	1.5	1.6	2.5	3.0	3.4	3.8	4.1	3.9	4.1	3.8‡	5.7	4.6	4.4	4.3	4.2	4.1	4.7	4.0	4.4	4.4	4.1	4.0	3.5	2.5	-1.0 s
Female	1.1	1.1	1.2	1.7	2.1	2.7	2.5	2.8	2.3	2.4‡	3.1	3.4	2.8	3.2	2.9	3.1	3.0	2.6	2.6	2.5	2.9	2.1	2.0	2.7	+0.7 s
College Plans:																									
None or under 4 years	2.5	2.7	3.7	4.8	5.3	6.2	4.8	7.3	6.7	6.1‡	10.9	8.8	7.3	8.2	8.5	9.0	8.9	9.0	9.0	10.0	9.4	8.7	4.8	6.3	+1.5
Complete 4 years	1.1	1.1	1.5	1.9	2.3	2.7	3.0	2.6	2.6	2.6‡	3.3	3.3	2.9	3.1	2.8	3.0	3.2	2.6	2.9	2.8	2.8	2.4	2.5	2.1	-0.3
Region:																									
Northeast	1.4	0.7	2.3	3.2	3.0	3.9	3.2	4.7	4.5	3.4‡	4.2	3.6	3.4	4.3	4.4	3.7	4.1	2.9	2.7	3.3	3.3	2.8	1.8	2.9	+1.2
Midwest	1.0	1.2	1.7	1.9	2.2	3.2	3.4	3.2	2.8	3.3‡	4.0	4.3	2.9	3.3	3.6	3.7	4.0	3.3	3.8	2.9	2.9	2.4	2.3	2.4	+0.1
South	1.3	1.2	1.5	2.1	2.7	3.1	3.1	3.2	2.7	2.9‡	3.6	3.4	3.5	3.3	3.0	3.0	3.1	3.5	3.3	3.5	3.4	3.0	2.8	2.2	-0.6
West	1.6	2.6	2.5	3.0	3.5	3.0	3.6	2.5	3.3	3.0‡	6.7	5.1	4.5	4.2	3.3	4.7	4.4	3.6	4.3	4.4	4.6	3.9	3.7	2.8	-0.9
Population Density:																									
Large MSA	1.4	1.5	1.9	2.4	2.7	3.4	3.3	3.1	3.1	3.9‡	3.4	4.0	2.8	2.7	2.9	3.8	3.4	3.3	3.4	3.2	3.5	2.8	2.0	2.2	+0.2
Other MSA	1.4	1.4	1.9	2.5	3.0	3.5	3.2	3.4	3.5	2.9‡	4.8	4.0	3.9	4.4	3.9	3.7	4.1	3.6	3.6	3.7	3.8	3.2	3.1	2.8	-0.3
Non-MSA	1.0	1.2	2.0	2.3	2.5	2.7	3.5	3.5	2.7	2.8‡	4.5	3.9	3.8	3.6	3.6	3.3	3.8	2.9	3.4	3.6	3.0	2.9	2.7	2.5	-0.2
Parental Education: ^b																									
1.0–2.0 (Low)	1.5	1.5	2.0	2.6	3.3	3.4	2.4	2.9	3.4	2.5‡	4.8	4.4	5.2	2.8	3.1	4.7	4.5	4.7	5.0	4.7	4.9	4.1	3.6	2.5	-1.1
2.5–3.0	1.2	1.0	1.4	1.8	2.7	3.4	2.7	4.2	3.0	2.6‡	4.4	4.3	4.2	4.5	4.1	3.8	3.9	3.3	3.2	5.0	4.1	3.5	3.5	2.6	-0.9
3.5–4.0	1.3	1.7	2.3	2.3	3.0	3.2	3.6	3.0	2.8	3.2‡	4.3	4.0	3.3	3.6	3.6	3.4	4.1	3.5	3.7	3.4	3.3	2.8	3.0	3.1	+0.1
4.5–5.0	1.2	1.5	1.9	2.6	2.5	3.3	3.7	3.0	3.7	3.7‡	4.4	3.5	3.2	3.5	3.5	3.7	3.8	2.9	3.2	2.8	3.1	2.9	2.4	2.2	-0.2
5.5–6.0 (High)	1.8	1.1	2.1	2.8	2.5	3.5	3.6	3.7	3.7	3.7‡	3.9	4.6	3.0	3.5	3.3	3.8	3.3	2.6	3.8	2.6	3.2	2.4	2.0	2.1	+0.1
Race/Ethnicity (2-year average): ^c																									
White	—	1.5	1.8	2.3	2.8	3.4	3.9	4.0	4.0	3.8	3.4‡	4.0 ^d	4.7	4.4	4.2	4.2	4.4	4.2	3.9	3.8	3.8	3.5	3.0	2.7	-0.3
African American	—	0.1	0.4	0.7	0.7	0.4	0.3	0.4	0.5	0.6	1.1‡	1.3 ^d	0.9	0.7	1.1	1.2	0.8	0.7	1.1	1.2	1.0	1.1	1.1	0.9	-0.2
Hispanic	—	1.3	1.5	1.9	2.0	2.1	2.4	2.8	2.6	2.0	1.6‡	2.5 ^d	2.9	3.2	3.5	3.0	2.3	2.9	3.6	3.7	3.7	3.5	2.9	2.4	-0.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. "‡" indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. "—" indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 31
HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use
by Subgroups in Grade 12

	Percentage who used in last 12 months																				→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	9.4	7.0	6.9	7.3	6.8	6.2	5.6	4.7	4.1	3.8	3.6	3.0	3.2	2.1	2.2	2.1	2.0	1.7	2.2	3.1	
Gender:																					
Male	12.1	8.8	8.9	8.8	8.0	8.0	6.9	5.7	4.9	4.8	4.6	3.4	3.7	2.7	3.1	3.0	2.7	2.3	3.0	4.3	
Female	7.5	5.0	4.9	5.5	5.3	4.2	4.0	3.6	3.1	2.7	2.5	2.5	2.6	1.4	1.1	1.1	1.3	1.2	1.3	1.9	
College Plans:																					
None or under 4 years	—	8.3	8.6	8.1	7.6	6.7	6.0	5.1	4.8	4.5	4.1	3.3	3.5	2.5	2.7	2.1	2.4	2.2	2.5	3.2	
Complete 4 years	—	5.2	4.9	5.7	5.3	5.1	5.0	4.1	3.1	3.0	2.9	2.5	2.8	1.8	1.9	1.9	1.9	1.5	2.0	2.9	
Region:																					
Northeast	12.0	7.8	8.2	10.3	10.2	10.0	9.0	8.1	6.1	8.4	7.1	5.1	4.8	2.6	2.5	2.9	3.5	2.5	2.6	5.1	
Midwest	11.3	7.9	7.9	7.6	6.8	6.7	5.7	4.8	4.4	2.9	3.1	2.7	3.5	1.6	2.3	1.7	1.9	1.8	2.0	3.1	
South	7.1	5.7	5.4	4.8	4.1	3.1	2.0	1.8	2.4	1.5	1.5	1.4	1.7	2.0	1.9	1.7	1.0	1.3	1.8	1.9	
West	7.7	6.7	6.3	7.2	6.6	5.9	6.9	4.9	4.1	4.5	3.6	3.3	3.3	2.5	2.3	2.6	2.6	1.8	2.9	3.6	
Population Density:																					
Large MSA	11.1	7.8	7.5	9.3	8.8	8.5	8.1	7.3	6.6	6.9	6.1	5.1	4.8	3.3	2.6	2.3	1.8	2.1	2.5	3.6	
Other MSA	10.7	7.3	7.2	6.9	7.2	6.5	5.0	3.7	4.0	3.1	3.0	2.4	2.5	1.7	2.0	2.4	2.6	1.7	2.2	3.6	
Non-MSA	6.8	6.1	6.1	6.1	4.7	4.1	4.4	4.0	2.4	2.4	2.4	2.1	2.9	1.6	2.1	1.5	1.2	1.4	2.0	1.8	
Parental Education: ^a																					
1.0–2.0 (Low)	7.5	5.1	5.4	5.7	4.7	5.8	3.9	3.7	3.6	2.8	2.7	2.3	3.4	2.7	2.0	1.5	1.9	1.3	1.7	2.2	
2.5–3.0	8.7	7.6	6.9	7.2	6.5	5.9	5.1	4.7	3.6	3.8	3.5	3.1	2.9	1.5	1.8	1.2	1.6	1.6	1.5	2.4	
3.5–4.0	9.1	7.5	7.4	7.3	6.6	5.8	5.8	4.8	4.5	3.6	4.1	3.2	3.0	1.8	1.8	2.2	2.0	1.8	2.4	2.9	
4.5–5.0	9.7	8.4	7.0	7.8	7.5	6.4	6.0	4.7	3.9	3.8	3.6	2.7	3.3	2.2	2.6	2.8	2.4	1.7	2.7	3.7	
5.5–6.0 (High)	7.4	7.2	7.8	7.9	9.2	7.2	7.0	6.7	4.6	5.3	2.6	2.8	3.5	3.1	3.3	3.6	2.4	2.1	3.0	4.4	
Race/Ethnicity (2-year average): ^b																					
White	—	—	7.6	7.6	7.5	7.0	6.3	5.6	4.7	4.3	4.0	3.5	3.4	3.0	2.4	2.4	2.4	2.2	2.2	3.0	
African American	—	—	1.6	1.6	1.3	1.4	1.3	1.2	1.6	1.3	0.8	0.9	0.9	0.6	0.5	0.4	0.3	0.3	0.5	0.7	
Hispanic	—	—	5.1	5.2	4.8	4.4	4.5	4.8	4.2	3.4	3.7	3.3	2.1	1.7	1.6	1.5	1.7	1.4	1.4	1.6	

(Table continued on next page.)

TABLE 31 (cont.)
HALLUCINOGENS OTHER THAN LSD: Trends in Annual Prevalence of Use
by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001 ^c	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014 ^e	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	3.8	4.4	4.6	4.6	4.3	4.4‡	5.9	5.4	5.4	5.6	5.0	4.6	4.8	5.0	4.2	4.8	4.3	4.0	3.7	3.0	-0.6
Gender:																					
Male	5.3	5.7	5.9	6.0	5.4	5.8‡	7.2	7.2	7.2	7.7	6.7	5.7	6.8	6.7	5.7	6.9	5.9	5.3	5.0	4.1	-0.8
Female	2.1	2.8	3.2	3.0	3.1	2.9‡	4.2	3.5	3.4	3.4	3.2	3.3	2.9	3.4	2.6	2.5	2.7	2.6	2.2	2.1	-0.1
College Plans:																					
None or under 4 years	4.4	5.1	4.7	6.1	4.4	5.6‡	7.3	7.9	7.3	6.9	6.8	6.5	7.2	6.3	5.0	7.1	6.7	4.7	4.9	4.1	-0.8
Complete 4 years	3.4	4.0	4.4	3.9	4.0	3.8‡	5.0	4.6	4.5	4.9	4.4	4.1	4.2	4.7	3.9	4.2	3.8	3.9	3.3	2.7	-0.6
Region:																					
Northeast	5.3	6.1	6.6	6.3	5.5	5.0‡	6.9	7.5	7.3	6.7	4.9	6.4	6.0	7.2	3.8	5.0	4.7	4.0	3.3	3.4	0.0
Midwest	3.2	3.5	2.8	4.1	3.7	3.6‡	6.9	5.0	4.7	4.6	6.3	4.7	4.6	3.9	5.3	4.5	4.2	4.1	4.1	3.2	-0.9
South	3.1	3.6	4.0	3.5	3.3	3.3‡	3.1	4.5	4.3	4.9	4.7	3.8	3.8	4.6	3.7	3.9	3.2	3.5	3.5	2.6	-0.9
West	4.5	5.4	6.1	5.5	5.7	6.9‡	8.0	5.6	6.0	6.9	4.0	4.2	5.7	5.4	4.0	6.2	5.8	4.7	3.7	3.4	-0.3
Population Density:																					
Large MSA	4.9	5.2	4.0	4.4	4.5	5.2‡	7.6	5.9	3.9	5.2	5.1	5.5	5.5	6.0	4.5	5.0	4.1	4.8	3.7	3.1	-0.6
Other MSA	3.7	4.7	5.4	5.1	4.2	4.3‡	5.4	5.8	6.5	6.6	5.4	4.2	4.7	4.9	4.3	5.1	4.7	4.0	4.1	3.3	-0.8
Non-MSA	2.7	3.1	3.6	3.7	4.2	3.8‡	4.8	4.3	5.1	4.1	4.0	3.9	4.1	4.4	3.6	3.6	3.6	2.8	2.6	2.3	-0.3
Parental Education: ^a																					
1.0–2.0 (Low)	2.7	3.5	2.7	3.7	2.2	3.8‡	3.8	4.3	4.7	3.3	2.9	4.9	3.5	3.4	3.0	3.1	4.5	2.8	3.5	2.2	-1.3
2.5–3.0	3.4	3.0	3.5	3.9	3.3	3.6‡	5.4	5.4	4.3	4.9	5.1	4.5	4.3	3.9	4.1	4.1	3.7	4.3	3.5	3.2	-0.4
3.5–4.0	3.6	4.0	4.8	4.6	5.1	4.2‡	6.1	5.6	5.9	6.0	4.9	4.9	4.9	4.8	4.4	5.5	4.3	4.1	4.2	3.3	-0.9
4.5–5.0	4.2	5.2	5.3	5.0	4.4	4.6‡	5.5	5.8	6.0	6.3	5.3	4.3	4.9	6.0	4.7	4.7	4.0	4.3	3.0	3.1	0.0
5.5–6.0 (High)	4.1	5.9	5.9	5.4	4.7	5.8‡	6.6	5.1	4.8	5.6	5.3	4.5	5.8	6.1	4.1	4.8	5.1	3.4	4.3	2.8	-1.5
Race/Ethnicity (2-year average): ^b																					
White	3.8	4.4	5.2	5.6	5.2	4.8	4.7‡	5.4 ^d	6.3	6.4	6.1	5.5	5.6	6.0	5.6	5.4	5.5	4.9	4.4	3.8	-0.6
African American	0.8	0.8	0.7	0.6	0.6	1.0	0.9‡	0.9 ^d	0.9	0.9	1.2	1.4	1.2	1.0	0.9	1.0	1.3	1.4	1.3	1.4	+0.1
Hispanic	2.6	3.5	3.1	2.7	3.0	4.6	4.8‡	4.1 ^d	4.1	3.7	3.6	3.5	3.4	3.0	2.8	3.0	2.8	2.6	3.0	2.7	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cIn 2001 the question text was changed on half of the questionnaire forms. Other psychedelics was changed to other hallucinogens, and shrooms was added to the list of examples. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^dDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

^eIn 2014 questions on use of hallucinogens other than LSD were dropped from one of six forms. 2014 data is based on 5 of 6 forms; N is five sixths of N indicated.

TABLE 32
ECSTASY (MDMA): Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	—	—	—	—	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	—	—	—	—	2.3	2.3	1.8	1.7	3.1	3.5	2.9	2.1	1.7	1.7	1.4	1.5	1.7	1.3	2.4	1.7	1.1	1.1	0.9	-0.2
Gender:																									
Male	—	—	—	—	—	2.2	2.7	2.3	1.7	3.1	3.4	3.1	1.8	1.7	1.6	1.0	1.3	1.4	1.3	2.5	2.0	0.9	1.1	1.0	-0.2
Female	—	—	—	—	—	2.3	2.0	1.3	1.7	3.0	3.7	2.6	2.2	1.8	1.7	1.7	1.7	2.0	1.2	2.4	1.4	1.2	1.1	0.8	-0.4
College Plans:																									
None or under 4 years	—	—	—	—	—	4.8	6.1	4.8	5.3	6.5	9.2	9.1	6.9	5.4	5.9	3.8	5.4	6.9	4.9	9.9	4.7	3.0	3.1	3.0	-0.2
Complete 4 years	—	—	—	—	—	1.9	2.0	1.5	1.2	2.7	2.9	2.3	1.5	1.3	1.3	1.2	1.1	1.3	1.0	1.9	1.5	0.9	1.0	0.7	-0.3
Region:																									
Northeast	—	—	—	—	—	2.1	1.5	1.6	1.8	2.4	3.8	2.0	1.8	1.8	1.1	0.8	0.5	1.2	1.0	1.2	0.9	1.2	0.6	0.6	0.0
Midwest	—	—	—	—	—	1.7	1.7	1.7	1.4	3.5	2.9	2.3	2.1	1.4	1.7	1.6	1.2	1.4	1.0	2.4	0.9	0.3	1.2	0.7	-0.5
South	—	—	—	—	—	2.8	2.3	2.7	1.8	3.2	3.7	3.7	2.5	1.9	2.1	2.0	1.8	1.8	1.1	2.5	1.5	1.4	1.3	1.0	-0.3
West	—	—	—	—	—	2.3	3.8	0.8	1.7	2.9	3.6	3.0	1.6	1.7	1.5	0.7	1.9	2.2	2.2	3.2	3.7	1.3	1.2	1.1	-0.0
Population Density:																									
Large MSA	—	—	—	—	—	2.9	1.8	1.8	1.6	3.0	3.1	2.6	1.8	2.1	1.6	1.1	1.4	1.9	1.3	2.5	1.9	1.1	1.1	1.1	0.0
Other MSA	—	—	—	—	—	2.5	3.1	2.1	1.8	3.4	4.3	3.3	1.9	1.9	1.6	1.6	1.5	1.7	1.4	2.6	1.9	1.3	1.3	0.8	-0.5
Non-MSA	—	—	—	—	—	1.2	1.5	1.5	1.6	2.5	2.5	2.5	2.7	1.0	1.9	1.6	1.8	1.3	1.0	2.0	1.2	0.6	0.8	0.9	+0.1
Parental Education: ^a																									
1.0–2.0 (Low)	—	—	—	—	—	2.9	2.2	2.1	2.5	4.2	5.8	6.0	3.6	3.6	2.5	2.8	3.1	4.1	1.8	5.0	2.2	2.1	2.3	1.4	-0.9
2.5–3.0	—	—	—	—	—	2.2	2.4	1.4	2.0	3.9	4.3	3.6	3.1	2.2	3.0	1.5	1.9	1.7	1.6	3.8	2.2	1.7	1.2	1.0	-0.2
3.5–4.0	—	—	—	—	—	2.2	2.9	2.6	1.5	2.8	2.4	2.9	2.1	1.7	1.7	1.2	1.1	2.1	1.4	2.2	2.1	1.0	1.0	0.8	-0.3
4.5–5.0	—	—	—	—	—	2.6	2.0	1.4	1.2	3.1	3.3	2.4	1.4	1.2	1.1	1.3	1.4	1.0	1.1	1.9	1.5	0.6	1.1	0.8	-0.3
5.5–6.0 (High)	—	—	—	—	—	2.4	2.7	2.5	2.3	2.0	3.0	1.2	2.0	1.7	0.9	1.2	0.8	0.8	1.1	1.1	1.1	0.6	0.6	1.0	+0.4
Race/Ethnicity (2-year average): ^b																									
White	—	—	—	—	—	2.7	2.4	1.9	2.5	3.2	2.9	2.4	1.9	1.5	1.5	1.4	1.6	1.5	1.9	1.8	1.0	0.9	1.0	+0.1	
African American	—	—	—	—	—	0.3	0.4	0.5	0.6	1.1	1.1	1.0	1.6	1.8	1.4	1.2	0.7	0.4	0.7	1.1	1.0	0.9	1.0	+0.1	
Hispanic	—	—	—	—	—	2.5	1.7	1.9	3.3	5.3	5.9	4.0	2.3	2.3	1.8	1.8	2.1	2.1	2.6	3.1	2.4	1.8	1.5	-0.3	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S1. Data based on one of four forms in 1997–2001; N is one third of N indicated in Table S1. Data based on two of four forms beginning in 2002; N is one half of N indicated in Table S1.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 33
ECSTASY (MDMA): Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	—	—	—	—	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	—	—	—	—	4.6	3.9	3.3	4.4	5.4	6.2	4.9	3.0	2.4	2.6	2.8	3.5	2.9	3.7	4.7	4.5	3.0	3.6	2.3	-1.2 ss
Gender:																									
Male	—	—	—	—	—	4.9	4.7	3.5	4.7	5.7	7.6	4.3	2.8	2.4	2.6	3.3	3.7	3.4	3.7	5.4	4.9	3.3	4.4	2.3	-2.1 ss
Female	—	—	—	—	—	4.2	3.1	2.9	4.2	4.8	4.9	5.2	3.2	2.4	2.5	2.2	3.1	2.4	3.5	4.0	3.8	2.6	2.9	2.4	-0.5
College Plans:																									
None or under 4 years	—	—	—	—	—	7.7	7.5	5.4	8.5	10.7	13.6	10.1	5.7	5.4	5.6	6.9	7.4	7.5	8.6	9.2	10.6	8.3	7.0	5.1	-1.9
Complete 4 years	—	—	—	—	—	4.0	3.3	2.9	3.7	4.5	5.1	4.1	2.6	2.0	2.2	2.2	3.0	2.3	3.1	4.2	3.8	2.4	3.2	2.1	-1.1 ss
Region:																									
Northeast	—	—	—	—	—	4.4	3.0	3.8	7.0	6.4	8.2	4.4	2.7	2.6	2.2	2.2	2.9	2.0	2.0	3.7	3.2	1.9	3.3	2.0	-1.4
Midwest	—	—	—	—	—	3.6	3.2	2.2	2.3	5.2	4.8	4.6	2.5	1.9	3.0	2.8	3.5	2.0	2.8	3.1	2.1	2.4	3.1	1.7	-1.3
South	—	—	—	—	—	5.6	5.0	4.1	4.1	5.2	5.9	5.1	3.8	2.6	2.6	3.0	3.6	2.8	3.2	4.5	3.9	2.8	3.9	2.9	-1.0
West	—	—	—	—	—	4.1	3.7	2.7	4.4	5.0	6.8	5.2	3.0	2.7	2.5	3.0	3.8	4.5	6.8	7.8	9.2	4.8	3.8	2.4	-1.4
Population Density:																									
Large MSA	—	—	—	—	—	5.6	4.0	2.5	5.2	7.0	7.3	5.1	2.4	1.8	3.0	2.9	3.0	3.8	3.3	4.8	4.8	3.8	3.1	1.7	-1.4
Other MSA	—	—	—	—	—	4.6	3.6	4.1	4.7	5.3	5.5	5.2	3.1	3.1	2.5	2.7	3.7	2.7	4.0	5.3	5.1	2.9	4.6	3.0	-1.6 s
Non-MSA	—	—	—	—	—	3.3	4.2	2.7	2.8	3.7	6.3	3.7	3.8	2.0	2.3	2.8	3.8	2.0	3.5	3.3	3.0	1.9	1.7	1.8	+0.1
Parental Education: ^a																									
1.0–2.0 (Low)	—	—	—	—	—	4.8	3.0	1.9	3.7	7.0	7.2	5.8	2.4	3.3	4.4	3.8	4.3	4.8	6.0	8.5	9.5	5.6	3.5	2.4	-1.0
2.5–3.0	—	—	—	—	—	4.7	3.9	3.1	4.4	4.9	6.5	5.5	3.8	3.3	2.8	2.9	4.7	3.5	4.8	5.6	5.0	3.0	5.0	2.9	-2.1 s
3.5–4.0	—	—	—	—	—	4.7	5.2	4.3	4.0	6.3	7.0	5.5	3.5	2.1	3.3	2.5	3.2	3.2	3.8	4.8	4.4	2.5	3.5	2.3	-1.2
4.5–5.0	—	—	—	—	—	4.2	2.5	2.9	4.3	5.0	5.3	3.9	2.7	2.3	2.2	2.7	3.2	2.0	2.5	3.6	2.5	2.9	3.1	2.1	-1.0
5.5–6.0 (High)	—	—	—	—	—	5.3	4.0	4.4	5.6	4.8	5.8	4.6	2.3	1.4	1.4	3.3	2.8	2.1	3.4	3.6	3.8	2.5	3.0	2.8	-0.2
Race/Ethnicity (2-year average): ^b																									
White	—	—	—	—	—	4.8	4.0	4.4	5.3	6.0	6.2	4.6	3.1	2.7	2.9	3.5	3.4	2.9	3.7	4.0	3.2	2.9	3.2	+0.3	
African American	—	—	—	—	—	0.8	1.2	1.3	1.5	2.2	1.8	1.5	0.9	0.6	1.0	1.3	1.3	1.5	1.9	2.2	1.8	1.3	1.3	0.0	
Hispanic	—	—	—	—	—	3.6	2.3	2.4	4.6	5.4	4.3	3.4	3.0	4.3	3.9	2.7	3.8	5.6	7.3	8.7	7.3	5.1	3.9	-1.3	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S2. Data based on one of four forms in 1997–2001; N is one third of N indicated in Table S2. Data based on two of four forms beginning in 2002; N is one half of N indicated in Table S2.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 34
ECSTASY (MDMA): Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1975– 1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	4.6	4.0	3.6	5.6	8.2	9.2	7.4	4.5	4.0	3.0	4.1	4.5	4.3	4.3	4.5	5.3	3.8	4.0	3.6	-0.4
Gender:																					
Male	—	4.8	5.6	4.8	5.6	8.1	10.5	8.2	4.8	4.7	3.3	4.3	5.0	5.5	5.5	5.3	6.3	4.1	5.0	5.0	0.0
Female	—	4.2	2.5	2.7	5.6	8.2	8.0	6.4	4.0	3.2	2.7	4.0	4.1	3.3	3.2	3.6	4.6	3.4	2.9	2.7	-0.2
College Plans:																					
None or under 4 years	—	6.9	3.8	4.7	4.2	8.5	9.8	8.9	6.5	5.3	3.7	6.0	6.5	7.2	6.1	4.7	8.5	4.8	4.3	3.8	-0.6
Complete 4 years	—	4.0	3.9	3.3	6.2	8.0	8.7	7.1	3.9	3.6	2.8	3.7	3.9	3.7	3.9	4.4	4.7	3.4	4.0	3.7	-0.3
Region:																					
Northeast	—	6.3	6.9	3.7	9.4	8.8	10.1	10.3	5.1	3.5	3.0	2.9	4.3	2.9	3.8	4.5	5.9	3.7	4.6	4.2	-0.4
Midwest	—	3.7	1.3	2.7	3.3	5.7	11.8	5.0	4.7	3.0	3.0	3.4	4.4	2.8	4.5	3.5	3.7	2.4	3.9	3.1	-0.8
South	—	4.6	4.3	4.0	5.7	5.9	5.7	7.9	4.2	5.1	3.4	4.9	4.6	4.6	3.8	3.6	4.4	3.2	3.7	3.9	+0.1
West	—	3.9	4.1	4.0	5.0	14.4	10.3	6.8	4.2	3.8	2.5	4.6	4.7	6.6	5.2	6.9	7.9	5.9	4.0	3.2	-0.8
Population Density:																					
Large MSA	—	3.6	3.6	3.2	6.1	8.7	10.9	8.4	4.3	4.0	3.5	6.1	5.8	4.7	4.1	5.2	5.8	5.1	5.1	3.8	-1.3
Other MSA	—	5.1	4.6	4.3	6.1	8.4	9.7	8.1	5.0	4.5	3.2	3.1	4.0	4.8	4.7	4.9	5.7	3.7	3.9	4.4	+0.4
Non-MSA	—	4.5	3.4	2.7	4.2	7.4	6.4	4.6	4.0	2.8	2.1	3.1	3.7	2.8	3.5	2.2	3.7	1.8	2.6	1.6	-1.0
Parental Education: ^a																					
1.0–2.0 (Low)	—	5.5	3.5	4.2	6.8	7.3	3.8	4.8	4.1	4.6	3.0	3.8	4.7	4.0	6.2	3.8	6.3	3.7	5.3	2.3	-3.0
2.5–3.0	—	5.0	3.1	3.2	5.1	7.7	10.3	8.0	3.8	3.7	3.9	3.6	4.9	4.0	2.5	4.9	5.5	3.5	3.8	3.2	-0.6
3.5–4.0	—	4.9	3.8	3.2	5.7	6.2	8.4	7.5	5.7	4.6	2.8	3.9	4.4	5.3	4.6	4.7	5.0	4.1	4.1	3.9	-0.2
4.5–5.0	—	4.0	2.9	4.3	6.2	8.3	11.2	7.3	5.0	3.8	3.2	5.1	4.1	3.6	4.9	4.2	5.7	3.9	3.2	4.7	+1.5
5.5–6.0 (High)	—	4.1	8.7	3.5	4.7	10.6	8.1	7.6	3.3	3.1	2.0	3.6	4.6	4.1	4.0	4.3	4.4	3.6	5.9	3.3	-2.6
Race/Ethnicity (2-year average): ^b																					
White	—	—	5.2	4.7	5.1	7.6	9.6	8.5	6.4	4.7	3.9	4.0	4.9	4.8	4.6	4.5	5.1	4.9	4.0	3.9	-0.1
African American	—	—	0.4	0.4	0.5	1.3	2.4	1.7	1.4	1.6	1.4	1.8	2.1	2.2	2.4	2.6	2.4	1.5	1.1	1.7	+0.6
Hispanic	—	—	2.8	2.7	6.0	10.6	10.2	7.0	5.3	3.7	3.0	3.0	3.3	3.2	3.9	4.6	4.4	4.5	4.5	3.9	-0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1996–2001; N is one sixth of N indicated in Table S3. Data based on two of six forms beginning in 2002; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 35
SALVIA: Trends in Annual Prevalence of Use by Subgroups in Grades 8, 10, and 12

	Percentage who used in last 12 months																				
	8th Grade							10th Grade							12th Grade						
	2009	2010	2011	2012	2013	2014	2013– 2014 change	2009	2010	2011	2012	2013	2014	2013– 2014 change	2009	2010	2011	2012	2013	2014	2013– 2014 change
<i>Approximate weighted N =</i>	15,000	15,300	16,000	15,100	14,600	14,600		15,900	15,200	14,900	15,000	12,900	13,000		13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	1.7	1.6	1.4	1.2	0.6	-0.6 ss	—	3.7	3.9	2.5	2.3	1.8	-0.5	5.7	5.5	5.9	4.4	3.4	1.8	-1.6 sss
Gender:																					
Male	—	2.6	2.0	1.4	1.6	0.6	-1.0 ss	—	5.4	5.0	3.7	3.4	2.2	-1.2 s	9.3	8.5	8.6	5.6	5.0	2.3	-2.7 sss
Female	—	1.0	1.1	1.1	0.9	0.6	-0.3	—	1.9	2.7	1.4	1.3	1.4	+0.2	2.3	2.5	3.3	3.0	1.8	1.0	-0.8
College Plans:																					
None or under 4 years	—	4.4	5.4	5.2	4.2	2.7	-1.5	—	8.1	12.1	8.2	5.4	5.7	+0.3	7.4	9.2	11.4	5.9	6.7	3.4	-3.3 s
Complete 4 years	—	1.4	1.3	1.1	1.0	0.4	-0.6 ss	—	3.2	2.9	1.9	2.0	1.3	-0.7 s	5.2	4.7	4.8	3.9	2.5	1.4	-1.1 ss
Region:																					
Northeast	—	1.9	1.8	0.5	0.8	0.8	0.0	—	2.8	5.0	3.6	2.6	1.4	-1.2	7.1	6.2	6.0	5.3	3.9	2.9	-1.0
Midwest	—	1.6	1.1	0.4	0.3	0.2	-0.1	—	3.1	3.4	1.3	0.9	1.3	+0.4	5.0	5.0	3.1	2.6	1.3	1.5	+0.1
South	—	1.4	1.5	2.4	1.1	0.8	-0.3	—	4.0	3.4	2.0	1.8	1.9	+0.1	4.8	5.3	5.2	3.8	3.6	1.7	-1.9 ss
West	—	2.4	2.1	1.2	2.6	0.5	-2.1 sss	—	4.7	4.2	3.8	4.1	2.6	-1.5	6.9	6.1	9.9	6.5	5.2	1.5	-3.7 sss
Population Density:																					
Large MSA	—	2.0	1.3	1.9	1.4	0.5	-0.9 s	—	4.3	3.8	2.3	2.5	2.1	-0.5	7.8	6.7	7.0	5.0	2.8	2.3	-0.5
Other MSA	—	1.6	2.1	1.3	1.1	0.8	-0.3	—	3.3	3.8	2.6	2.1	1.4	-0.6	5.0	5.5	6.1	4.7	4.2	1.9	-2.3 sss
Non-MSA	—	1.9	0.9	0.6	1.2	0.3	-0.9 s	—	3.7	4.1	2.7	2.6	2.4	-0.2	4.6	4.1	4.1	2.9	2.5	1.0	-1.6 s
Parental Education: ^a																					
1.0–2.0 (Low)	—	2.3	4.7	1.4	2.3	1.0	-1.3	—	5.8	2.6	3.6	3.3	1.6	-1.7	5.8	5.4	6.3	8.3	7.1	1.9	-5.1 ss
2.5–3.0	—	1.7	2.5	1.3	1.1	0.4	-0.7	—	4.4	5.1	3.3	3.0	1.8	-1.2	4.6	4.4	5.3	3.7	4.1	1.9	-2.2 s
3.5–4.0	—	0.9	1.7	1.0	1.4	0.3	-1.1 s	—	3.6	4.6	2.2	2.1	2.3	+0.3	6.2	6.0	6.6	3.5	3.1	1.6	-1.5 s
4.5–5.0	—	2.1	1.0	1.5	1.4	0.8	-0.6	—	2.7	3.3	2.0	2.3	1.6	-0.7	5.5	5.6	5.4	4.6	2.6	1.7	-0.9
5.5–6.0 (High)	—	1.5	0.2	1.4	0.5	0.7	+0.2	—	4.0	2.8	2.5	1.2	1.3	+0.1	7.0	6.7	6.0	4.2	2.3	1.9	-0.4
Race/Ethnicity (2-year average): ^b																					
White	—	—	1.5	1.2	0.9	0.6	-0.3	—	—	3.9	3.4	2.3	2.1	-0.3	—	6.3	6.2	5.3	3.8	2.5	-1.3 s
African American	—	—	1.4	1.5	1.4	0.8	-0.5	—	—	1.6	0.7	1.3	1.3	+0.1	—	2.5	2.5	2.8	2.6	1.7	-0.9
Hispanic	—	—	2.1	2.4	2.2	1.6	-0.6	—	—	4.7	4.0	2.8	1.6	-1.1	—	4.4	4.6	5.6	4.8	2.0	-2.8 s

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data for 8th and 10th graders based on one of four forms; *N* is one third of *N* indicated in Tables S1 and S2. Data for 12th graders based on two of six forms; *N* is two sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

See appendix B for details on how race/ethnicity is defined.

TABLE 36
COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.1	1.5	1.7	2.1	2.6	3.0	2.8	3.1	2.7	2.6	2.5	2.3	2.2	2.0	2.2	2.0	2.0	1.8	1.6	1.6	1.4	1.2	1.0	1.0	+0.1
Gender:																									
Male	1.4	1.5	1.9	2.1	2.5	2.7	3.1	2.9	2.8	2.6	2.4	2.2	1.9	1.7	2.0	1.9	1.7	1.8	1.4	1.5	1.3	1.1	1.0	0.9	-0.1
Female	0.9	1.5	1.5	2.1	2.6	3.1	2.5	3.1	2.7	2.6	2.6	2.3	2.3	2.3	2.3	2.1	2.2	1.8	1.7	1.7	1.3	1.2	1.0	1.1	+0.1
College Plans:																									
None or under 4 years	3.2	4.8	5.4	6.6	7.0	7.9	7.5	9.4	8.1	7.5	7.0	7.2	7.1	6.8	6.1	7.1	6.5	6.9	6.4	5.6	5.5	4.6	3.4	3.0	-0.4
Complete 4 years	0.8	1.0	1.1	1.5	2.0	2.2	2.2	2.3	2.0	2.0	2.0	1.8	1.6	1.5	1.8	1.5	1.5	1.3	1.2	1.3	1.1	0.9	0.8	0.8	0.0
Region:																									
Northeast	1.3	0.8	1.0	2.2	2.2	2.6	2.4	1.9	2.2	1.6	1.9	1.6	1.6	1.9	1.8	1.3	1.2	1.2	1.4	1.0	0.9	1.1	0.8	0.5	-0.3
Midwest	0.9	1.4	1.0	1.2	2.6	2.9	2.6	2.7	2.6	2.9	2.3	2.3	2.0	1.6	2.0	1.3	1.6	1.9	1.8	2.0	1.3	0.6	0.8	0.8	0.0
South	1.1	1.7	2.1	2.5	2.4	2.7	2.6	3.8	3.1	2.2	3.2	2.6	2.5	2.1	2.4	2.9	2.3	2.2	1.2	1.6	1.3	1.4	1.0	1.3	+0.3
West	1.5	2.0	2.7	2.3	3.3	3.7	3.7	3.3	2.7	3.7	2.4	2.4	2.3	2.4	2.4	1.9	2.2	1.6	2.1	1.7	2.1	1.4	1.3	1.3	0.0
Population Density:																									
Large MSA	1.1	1.4	1.3	1.9	2.4	2.8	2.4	2.3	2.1	2.3	2.1	2.0	1.7	2.2	2.2	1.9	1.9	2.0	1.1	1.4	1.5	1.3	1.0	1.2	+0.2
Other MSA	1.1	1.7	2.2	2.5	2.8	3.2	2.9	3.3	2.8	2.5	2.8	2.3	2.2	2.1	2.2	2.0	2.1	1.7	1.9	1.8	1.5	1.2	1.0	1.0	-0.1
Non-MSA	1.2	1.3	1.2	1.4	2.4	2.7	3.0	3.4	3.2	3.1	2.5	2.6	2.7	1.7	2.2	2.2	1.8	1.7	1.4	1.5	1.2	0.9	0.8	1.0	+0.2
Parental Education: ^a																									
1.0–2.0 (Low)	2.4	3.2	2.9	3.5	4.9	3.9	4.7	6.3	5.6	5.3	4.4	3.7	4.1	3.3	4.2	4.4	3.8	3.6	3.9	3.3	2.6	2.6	2.1	1.8	-0.3
2.5–3.0	1.4	1.6	2.0	2.3	2.4	3.3	3.0	3.3	3.1	2.9	2.8	2.8	2.4	2.5	2.9	2.2	2.2	2.3	1.8	2.0	2.1	1.6	1.1	1.1	0.0
3.5–4.0	0.7	1.2	1.8	2.1	2.8	3.3	2.8	3.1	2.8	2.5	2.4	2.2	2.2	2.0	2.5	2.0	1.8	1.8	1.5	1.6	1.6	1.2	0.9	1.1	+0.1
4.5–5.0	0.7	1.0	1.0	1.6	1.9	2.7	2.6	2.2	1.7	1.8	2.1	2.0	1.5	1.8	1.5	1.4	1.4	1.2	0.8	1.2	0.9	0.5	0.7	0.9	+0.2
5.5–6.0 (High)	1.2	1.5	1.1	1.9	2.5	2.5	2.3	2.5	2.5	2.2	1.6	1.5	2.0	1.2	1.2	1.5	1.3	1.4	1.5	1.2	0.8	0.7	0.8	0.6	-0.2
Race/Ethnicity (2-year average): ^b																									
White	—	1.2	1.3	1.6	2.3	2.8	3.0	2.8	2.6	2.5	2.5	2.4	2.2	1.9	1.8	1.9	1.7	1.6	1.5	1.4	1.3	1.0	0.9	0.7	-0.1
African American	—	0.7	0.7	0.7	0.6	0.6	0.5	0.7	0.8	0.8	0.8	0.8	0.9	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.5	0.6	0.8	0.8	-0.1
Hispanic	—	3.1	4.0	4.5	4.7	4.8	4.3	5.2	5.9	4.7	4.2	4.1	3.8	3.6	3.6	3.5	3.8	3.5	2.8	2.8	2.9	2.6	1.8	1.4	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 37
COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	2.2	1.9	2.1	2.8	3.5	4.2	4.7	4.7	4.9	4.4	3.6	4.0	3.3	3.7	3.5	3.2	3.4	3.0	2.7	2.2	1.9	2.0	1.9	1.5	-0.4
Gender:																									
Male	2.2	2.0	2.5	3.1	3.5	4.5	4.7	4.9	5.2	4.7	3.8	4.2	3.3	3.9	3.6	3.2	3.6	3.0	2.8	2.7	2.3	2.3	2.5	1.8	-0.7
Female	2.2	1.7	1.6	2.5	3.3	4.0	4.6	4.4	4.6	4.1	3.2	3.9	3.2	3.4	3.3	3.1	3.3	2.8	2.4	1.6	1.4	1.6	1.3	1.0	-0.3
College Plans:																									
None or under 4 years	4.7	4.0	5.1	6.6	7.2	10.0	10.4	10.7	11.6	9.7	9.1	10.1	8.3	9.4	8.8	9.0	8.6	8.7	8.5	7.2	5.5	6.8	4.1	4.8	+0.7
Complete 4 years	1.7	1.4	1.4	2.0	2.8	3.2	3.7	3.6	3.8	3.5	2.7	3.1	2.4	2.9	2.8	2.4	2.8	2.2	2.0	1.6	1.5	1.5	1.6	1.1	-0.5
Region:																									
Northeast	1.5	1.0	2.0	2.4	2.5	3.0	3.0	4.9	4.6	3.1	2.3	2.4	3.1	3.4	3.6	2.5	2.9	2.0	2.4	2.0	2.0	1.3	1.2	1.2	-0.1
Midwest	1.7	1.7	1.4	2.2	2.9	4.1	4.0	3.7	4.4	4.6	3.4	3.6	2.7	3.2	3.4	3.2	3.6	2.5	2.4	1.8	1.3	1.4	1.3	1.3	0.0
South	2.0	1.8	1.9	2.6	3.5	4.2	5.4	4.3	5.2	4.2	3.8	3.8	3.5	3.5	2.9	3.2	3.5	3.5	2.4	1.9	1.9	2.2	2.0	1.5	-0.5
West	3.6	3.2	3.7	4.7	5.3	5.9	6.4	6.4	5.3	5.7	4.9	6.5	3.7	4.8	4.4	3.8	3.6	3.3	3.6	3.3	2.4	2.7	2.7	1.7	-1.0
Population Density:																									
Large MSA	1.9	1.6	1.6	2.3	3.4	3.8	4.5	4.3	4.1	4.3	3.2	3.6	2.5	3.3	3.3	2.8	3.3	2.8	2.4	2.1	1.9	2.1	1.8	1.2	-0.6
Other MSA	2.7	2.1	2.3	3.1	3.5	4.7	4.3	4.7	5.1	4.2	3.7	4.4	3.2	3.8	3.4	3.2	3.4	3.3	3.1	2.3	2.0	1.7	2.1	1.3	-0.8
Non-MSA	1.6	1.7	2.1	2.7	3.6	3.7	5.7	5.2	5.4	4.7	3.8	3.8	4.6	3.9	3.8	3.8	3.7	2.4	2.2	2.1	1.6	2.2	1.3	2.2	+1.0
Parental Education: ^a																									
1.0–2.0 (Low)	3.3	3.5	3.2	3.8	5.3	7.4	6.3	8.1	8.2	7.7	5.6	7.9	7.0	6.5	5.3	6.5	6.4	6.8	6.0	4.4	3.4	5.3	3.1	2.7	-0.5
2.5–3.0	2.4	1.7	2.2	2.9	4.3	4.5	5.0	5.5	5.9	5.4	5.2	4.8	3.9	4.2	4.6	4.1	3.9	3.5	3.3	2.5	2.0	2.3	2.4	1.5	-0.9
3.5–4.0	2.4	2.1	2.5	3.2	3.7	4.3	5.4	4.4	4.7	4.4	2.9	3.8	3.4	4.0	3.4	2.9	3.5	2.7	2.7	1.9	1.9	1.6	1.6	1.8	+0.2
4.5–5.0	1.6	1.4	1.6	2.1	2.6	3.4	3.7	3.5	3.9	3.2	2.7	2.4	2.2	3.0	2.8	2.0	2.5	2.2	1.6	1.8	1.4	1.5	1.4	0.8	-0.6
5.5–6.0 (High)	1.9	1.5	1.1	1.9	1.9	3.4	3.3	3.2	3.9	2.9	2.0	3.2	1.6	1.8	2.4	3.0	2.5	1.6	2.0	1.4	1.3	1.2	1.6	1.1	-0.5
Race/Ethnicity (2-year average): ^b																									
White	—	2.1	2.0	2.2	3.0	3.8	4.4	4.7	4.9	4.7	3.9	3.9	3.9	3.7	3.7	3.5	3.5	3.2	2.6	2.1	1.7	1.6	1.6	1.5	-0.1
African American	—	0.6	0.6	1.0	0.9	0.7	0.8	1.0	0.9	0.6	0.8	1.0	0.9	0.8	1.0	1.0	0.8	0.8	0.9	0.9	0.7	1.3	1.6	0.9	-0.7
Hispanic	—	3.7	3.7	4.9	5.5	7.0	8.5	8.3	8.2	8.0	6.6	6.0	6.1	5.8	6.4	5.9	4.9	5.2	5.2	4.6	4.1	3.8	3.7	2.8	-0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 38
COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	5.6	6.0	7.2	9.0	12.0	12.3	12.4	11.5	11.4	11.6	13.1	12.7	10.3	7.9	6.5	5.3	3.5	3.1	3.3	3.6
Gender:																				
Male	7.5	7.5	9.3	11.4	14.6	14.8	13.8	13.1	13.2	13.8	14.8	14.3	11.3	9.1	8.1	6.6	4.1	3.7	4.0	4.5
Female	3.9	4.4	4.9	6.5	9.3	9.8	10.4	9.6	9.3	9.1	11.2	10.9	9.2	6.5	4.9	3.8	2.6	2.4	2.3	2.8
College Plans:																				
None or under 4 years	—	6.6	8.1	9.5	13.7	13.2	12.4	12.5	12.2	13.2	14.7	15.7	12.4	9.7	9.3	7.8	4.9	5.1	4.5	5.3
Complete 4 years	—	5.0	5.5	7.7	9.5	10.8	11.5	9.9	9.9	9.7	11.4	10.4	9.0	6.7	5.3	4.1	2.8	2.4	2.8	3.0
Region:																				
Northeast	5.3	6.6	7.9	11.8	13.8	14.2	16.8	16.9	15.2	19.5	20.8	17.9	13.3	9.1	7.3	6.5	3.8	2.8	3.1	3.1
Midwest	5.1	5.5	6.3	8.5	10.5	10.9	9.4	9.0	8.0	5.8	8.2	10.1	7.5	6.1	5.3	4.1	3.2	2.5	2.4	3.7
South	5.4	5.1	6.0	6.8	8.5	7.8	6.8	6.3	7.7	7.7	7.5	7.1	7.0	6.2	6.0	4.8	3.0	3.2	3.1	3.4
West	7.8	7.9	10.2	10.7	18.6	20.6	22.1	17.9	19.2	19.3	19.7	20.0	16.4	12.1	8.5	6.6	4.4	4.3	4.9	4.5
Population Density:																				
Large MSA	7.3	8.6	8.6	12.3	16.6	18.7	17.5	17.2	16.9	16.8	18.8	18.8	12.9	9.3	6.4	5.6	4.1	3.6	2.7	3.3
Other MSA	5.9	5.8	7.3	8.9	11.7	11.3	11.5	10.1	11.2	11.0	12.4	12.0	10.1	8.5	7.1	5.4	3.7	3.3	3.9	4.1
Non-MSA	4.3	4.3	5.8	6.4	8.9	8.9	9.4	8.5	7.3	8.3	9.2	9.0	8.1	5.3	5.4	4.8	2.5	2.4	2.7	3.2
Parental Education: ^a																				
1.0–2.0 (Low)	4.5	5.3	5.5	6.3	8.4	9.0	8.3	7.6	9.0	9.4	12.0	10.5	8.7	7.6	6.7	4.7	3.5	3.9	3.5	4.1
2.5–3.0	4.6	6.1	6.8	8.7	11.1	11.2	10.5	11.0	9.8	10.9	12.7	12.9	9.9	7.4	6.4	5.6	3.8	3.3	3.0	4.0
3.5–4.0	4.5	5.9	7.2	9.0	13.2	13.3	13.3	12.5	11.7	12.2	14.0	13.6	11.2	7.2	6.4	5.6	3.7	3.0	3.8	3.8
4.5–5.0	6.3	7.6	8.1	10.4	14.0	13.6	14.9	13.6	13.1	12.2	13.7	12.2	10.0	8.7	7.1	4.4	3.1	2.9	3.0	3.1
5.5–6.0 (High)	5.2	7.1	9.5	11.6	15.2	16.3	16.2	13.8	15.1	13.4	11.9	12.5	10.8	8.1	5.8	5.5	2.4	2.6	2.4	3.3
Race/Ethnicity (2-year average): ^b																				
White	—	—	6.5	8.3	10.9	12.8	13.0	12.6	11.8	11.9	13.0	13.5	12.0	9.6	7.6	6.3	4.6	3.3	3.1	3.5
African American	—	—	4.8	4.6	4.6	5.2	4.8	5.2	7.2	6.3	5.3	5.8	4.8	3.8	2.9	1.7	1.5	1.2	0.8	0.9
Hispanic	—	—	7.2	7.5	8.9	11.2	12.4	12.1	11.4	13.3	16.3	16.7	14.0	9.9	7.8	7.4	6.1	5.2	5.8	5.4

(Table continued on next page.)

TABLE 38 (cont.)
COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	4.0	4.9	5.5	5.7	6.2	5.0	4.8	5.0	4.8	5.3	5.1	5.7	5.2	4.4	3.4	2.9	2.9	2.7	2.6	2.6	-0.1
Gender:																					
Male	4.8	6.0	6.6	6.8	7.3	5.8	5.4	5.9	5.9	6.5	5.8	6.0	5.9	5.2	4.1	4.0	3.6	3.3	3.4	3.5	+0.1
Female	3.1	3.5	4.2	4.5	5.0	3.9	4.1	4.0	3.7	4.1	4.2	5.2	4.4	3.5	2.7	1.9	2.1	2.0	1.7	1.6	-0.1
College Plans:																					
None or under 4 years	5.6	7.5	8.1	9.7	9.1	7.1	8.2	8.6	6.0	8.3	7.5	8.1	8.8	7.4	5.4	5.2	5.4	4.2	5.1	3.9	-1.2
Complete 4 years	3.4	4.0	4.4	4.5	5.4	4.2	3.7	3.9	4.2	4.3	4.4	5.1	4.4	3.6	2.8	2.4	2.3	2.3	1.9	2.2	+0.3
Region:																					
Northeast	3.8	5.5	6.6	5.9	4.3	4.1	4.8	5.0	5.2	5.0	4.7	6.7	6.0	4.5	2.8	3.3	2.8	2.1	2.7	2.5	-0.1
Midwest	3.4	3.8	4.7	5.8	6.2	4.8	5.7	5.2	3.9	4.2	5.0	4.2	5.0	3.2	3.6	2.4	2.9	2.2	1.9	2.3	+0.4
South	3.6	4.6	4.8	5.8	6.9	4.7	3.9	5.0	4.7	5.4	5.3	6.4	5.2	4.8	3.2	2.5	2.6	2.5	2.2	2.7	+0.5
West	5.8	6.1	6.8	5.4	6.9	6.3	5.0	4.6	5.8	7.0	5.0	5.5	4.8	4.9	3.9	4.0	3.3	4.1	4.0	2.7	-1.3
Population Density:																					
Large MSA	4.4	4.8	4.7	5.4	5.0	4.1	4.3	4.1	3.8	4.7	5.2	7.4	5.0	4.4	3.4	3.3	2.9	2.9	2.6	2.3	-0.3
Other MSA	3.9	4.9	5.6	5.8	6.6	4.9	5.0	5.4	5.7	5.8	5.2	4.8	5.4	4.3	3.3	3.1	2.9	2.9	3.0	3.1	+0.1
Non-MSA	3.9	4.9	6.0	6.0	6.9	6.1	5.2	5.3	4.6	5.0	4.7	4.9	5.3	4.5	3.6	1.9	2.7	2.1	1.9	1.7	-0.2
Parental Education: ^a																					
1.0–2.0 (Low)	4.8	5.3	6.5	6.9	9.0	6.2	5.7	6.6	4.8	7.3	4.3	6.1	6.2	4.7	4.1	3.2	4.2	3.0	4.2	3.0	-1.2
2.5–3.0	3.9	5.0	5.5	6.3	6.0	4.6	6.0	5.3	4.1	5.2	6.6	6.3	5.9	4.0	3.6	3.2	2.6	3.1	2.9	3.1	+0.2
3.5–4.0	4.2	5.0	5.6	6.0	6.8	5.0	4.8	5.3	5.2	5.3	5.2	5.7	5.5	4.9	3.4	3.0	3.0	2.6	3.0	2.4	-0.7
4.5–5.0	3.7	4.8	5.2	5.0	5.4	5.3	4.4	4.2	4.7	5.2	4.3	5.1	4.9	4.0	3.2	2.5	2.3	2.6	1.6	2.2	+0.5
5.5–6.0 (High)	3.4	4.3	4.4	4.4	5.2	3.9	2.6	4.3	4.4	4.3	4.1	5.7	4.0	4.1	2.5	2.4	3.0	2.4	2.1	2.6	+0.6
Race/Ethnicity (2-year average): ^b																					
White	4.0	4.5	5.5	6.3	6.7	6.2	5.5	5.7	5.6	5.6	5.6	5.8	6.1	5.6	4.4	3.4	3.1	3.1	2.6	2.3	-0.3
African American	1.0	0.8	0.9	0.9	0.9	1.0	1.0	0.9	1.1	1.2	1.2	1.6	1.3	0.8	0.7	0.9	1.1	0.9	0.9	1.6	+0.6
Hispanic	5.5	7.3	7.6	6.7	7.5	7.6	6.1	5.5	4.9	5.5	6.2	6.5	6.0	4.7	4.0	3.5	3.3	3.4	3.8	3.6	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 39
CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	0.7	0.9	1.0	1.3	1.6	1.8	1.7	2.1	1.8	1.8	1.7	1.6	1.6	1.3	1.4	1.3	1.3	1.1	1.1	1.0	0.9	0.6	0.6	0.7	+0.1
Gender:																									
Male	0.8	0.9	1.1	1.3	1.5	1.7	1.8	2.1	1.8	1.7	1.6	1.6	1.3	1.1	1.3	1.2	1.2	1.0	0.9	0.9	0.8	0.6	0.5	0.6	0.0
Female	0.5	0.9	0.9	1.2	1.6	1.9	1.5	2.1	1.8	1.8	1.8	1.6	1.7	1.5	1.5	1.3	1.5	1.2	1.2	1.1	1.0	0.7	0.7	0.8	+0.1
College Plans:																									
None or under 4 years	2.0	2.9	3.4	4.6	4.2	4.9	4.7	7.5	5.3	5.2	4.4	5.7	5.8	4.9	3.3	4.4	4.1	4.3	4.8	3.2	3.5	2.8	2.2	2.2	-0.1
Complete 4 years	0.4	0.6	0.6	0.8	1.3	1.3	1.3	1.5	1.4	1.4	1.4	1.2	1.1	1.0	1.2	1.0	1.1	0.8	0.8	0.8	0.7	0.5	0.5	0.6	0.0
Region:																									
Northeast	0.5	0.4	0.4	1.4	1.4	1.7	1.6	1.2	1.5	1.2	1.2	1.2	1.3	1.2	0.9	0.9	0.8	0.8	1.0	0.8	0.5	0.8	0.6	0.3	-0.3
Midwest	0.6	1.0	0.8	0.9	1.4	1.9	1.6	1.9	1.9	1.9	1.7	1.5	1.3	1.2	1.4	0.7	1.1	1.2	1.2	1.1	0.9	0.4	0.6	0.6	0.0
South	0.7	1.0	1.2	1.6	1.4	1.7	1.4	2.5	1.9	1.4	2.0	1.7	1.8	1.3	1.5	1.8	1.5	1.2	0.7	0.9	0.9	0.7	0.7	0.9	+0.2
West	0.8	1.3	1.4	1.3	2.3	2.1	2.3	2.6	1.8	2.9	1.7	2.0	1.8	1.8	1.6	1.3	1.8	1.2	1.7	1.2	1.3	0.6	0.6	0.6	0.0
Population Density:																									
Large MSA	0.5	0.8	0.7	1.3	1.5	1.8	1.5	1.6	1.2	1.6	1.4	1.5	1.2	1.5	1.5	1.3	1.1	1.4	0.8	1.0	1.0	0.8	0.7	0.7	0.0
Other MSA	0.7	1.1	1.2	1.5	1.7	2.0	1.8	2.2	2.0	1.8	1.8	1.6	1.7	1.3	1.3	1.1	1.6	1.0	1.3	1.1	0.9	0.6	0.6	0.7	+0.1
Non-MSA	0.8	0.8	0.9	1.0	1.4	1.7	1.7	2.6	2.1	2.0	1.8	1.8	1.7	1.2	1.4	1.6	1.2	1.0	0.9	0.8	0.9	0.4	0.6	0.7	+0.1
Parental Education: ^a																									
1.0–2.0 (Low)	1.7	2.2	1.8	2.8	3.0	2.7	3.0	5.0	3.6	3.7	3.2	3.1	3.3	2.2	3.1	3.0	2.9	2.8	3.3	1.8	2.0	1.6	1.2	1.2	0.0
2.5–3.0	0.7	0.8	1.0	1.4	1.2	2.1	2.0	2.2	2.0	2.1	1.8	2.1	1.7	1.7	1.8	1.5	1.4	1.6	0.9	1.1	1.4	0.8	0.7	0.9	+0.2
3.5–4.0	0.4	0.7	1.2	0.9	1.7	2.0	1.4	2.1	2.0	1.8	1.3	1.4	1.6	1.3	1.6	1.2	1.3	0.8	1.0	0.9	0.9	0.7	0.5	0.6	+0.1
4.5–5.0	0.4	0.6	0.5	1.1	1.3	1.5	1.5	1.6	1.0	1.0	1.5	1.2	1.0	1.1	0.9	0.9	0.9	0.7	0.6	0.8	0.6	0.2	0.5	0.5	0.0
5.5–6.0 (High)	0.8	1.0	0.6	1.4	1.6	1.5	1.5	1.6	1.9	1.8	1.3	1.3	1.3	1.0	0.6	1.0	1.0	0.9	1.1	0.9	0.5	0.3	0.6	0.5	-0.2
Race/Ethnicity (2-year average): ^b																									
White	—	0.7	0.8	1.0	1.4	1.7	1.7	1.7	1.8	1.7	1.7	1.5	1.5	1.3	1.2	1.1	1.0	1.0	0.8	0.8	0.7	0.6	0.4	0.4	0.0
African American	—	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.7	0.8	0.8	0.6	0.6	0.5	0.7	0.6	0.5	0.5	0.7	0.6	0.0
Hispanic	—	1.9	2.0	2.1	2.7	3.0	2.8	3.6	3.9	2.9	2.6	2.7	2.8	2.6	2.5	2.6	2.7	2.5	2.2	2.1	2.1	1.7	1.1	0.9	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 40
CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	0.9	0.9	1.1	1.4	1.8	2.1	2.2	2.5	2.4	2.2	1.8	2.3	1.6	1.7	1.7	1.3	1.3	1.3	1.2	1.0	0.9	0.8	0.8	0.5	-0.3 ss
Gender:																									
Male	0.9	0.9	1.3	1.6	1.9	2.1	2.3	2.7	2.5	2.3	1.9	2.5	1.6	1.8	1.6	1.3	1.5	1.3	1.1	1.0	1.0	0.9	0.9	0.6	-0.4 s
Female	0.8	0.9	0.7	1.0	1.6	2.1	2.2	2.2	2.3	2.1	1.7	2.2	1.6	1.5	1.7	1.2	1.1	1.2	1.2	0.9	0.8	0.6	0.7	0.5	-0.3
College Plans:																									
None or under 4 years	2.4	2.1	2.7	3.4	3.7	5.0	4.9	6.0	5.5	5.2	4.7	5.6	4.5	4.6	4.8	3.7	3.8	3.9	4.1	3.4	2.5	3.5	1.3	1.8	+0.5
Complete 4 years	0.6	0.6	0.7	0.9	1.5	1.5	1.8	1.9	1.8	1.7	1.4	1.8	1.1	1.2	1.3	1.0	1.0	0.9	0.9	0.7	0.7	0.5	0.8	0.4	-0.4 sss
Region:																									
Northeast	0.5	0.4	1.1	1.4	1.1	1.4	1.5	2.6	2.5	1.7	1.0	1.4	1.3	1.4	1.8	0.9	1.1	1.0	1.2	1.0	1.1	0.5	0.6	0.5	-0.1
Midwest	0.9	0.9	0.8	1.0	1.5	2.2	2.1	2.1	2.1	1.8	1.8	2.2	1.4	1.5	1.4	1.3	1.1	1.1	1.4	0.9	0.6	0.7	0.7	0.6	-0.1
South	1.0	0.8	0.9	1.3	1.9	2.0	2.0	1.9	2.0	1.9	1.7	1.7	1.7	1.4	1.3	1.2	1.4	1.1	0.8	0.9	0.8	0.6	0.8	0.5	-0.3
West	1.1	1.4	1.7	1.9	2.8	2.8	3.8	3.9	3.2	3.8	3.3	4.4	2.0	2.6	2.5	1.7	1.6	1.8	1.5	1.4	1.3	1.3	1.2	0.5	-0.6 s
Population Density:																									
Large MSA	0.9	0.8	0.7	0.9	1.9	1.7	2.3	2.2	2.2	2.4	1.9	2.2	1.2	1.5	1.8	1.3	1.3	1.1	0.8	1.0	0.9	1.0	0.7	0.5	-0.2
Other MSA	0.9	0.9	1.1	1.5	1.6	2.4	1.7	2.4	2.3	2.0	1.8	2.5	1.7	1.8	1.5	1.1	1.3	1.4	1.5	1.0	1.0	0.5	1.0	0.4	-0.6 sss
Non-MSA	0.9	0.9	1.2	1.6	2.3	1.9	3.3	3.1	2.8	2.5	1.8	2.2	2.1	1.7	1.9	1.6	1.3	1.2	1.0	1.2	0.8	0.9	0.6	0.8	+0.2
Parental Education: ^a																									
1.0–2.0 (Low)	1.3	1.7	1.8	1.9	3.0	3.9	3.4	4.5	3.4	4.8	3.0	3.9	2.9	3.5	2.6	3.9	3.8	3.3	2.5	2.5	1.6	1.9	1.5	0.4	-1.1 s
2.5–3.0	1.0	0.8	1.0	1.1	2.4	2.5	2.4	3.1	2.9	2.9	2.5	2.6	1.8	1.9	2.5	1.6	1.6	1.3	1.6	0.9	0.9	1.0	1.0	0.6	-0.5
3.5–4.0	0.9	1.0	1.4	1.5	1.7	1.9	2.6	2.0	2.5	2.2	1.4	2.2	1.6	1.6	1.4	1.0	0.9	1.1	1.3	0.8	0.9	0.5	0.6	0.8	+0.2
4.5–5.0	0.7	0.6	0.7	1.0	1.3	1.4	1.8	2.0	1.9	1.1	1.6	1.4	1.3	1.4	1.3	0.8	0.9	1.0	0.7	0.8	0.6	0.6	0.7	0.3	-0.4 s
5.5–6.0 (High)	0.7	0.9	0.5	1.1	1.1	1.8	1.2	1.8	1.8	1.4	1.2	2.2	0.8	0.8	1.0	1.0	0.7	0.7	0.6	0.9	0.8	0.4	0.8	0.4	-0.4
Race/Ethnicity (2-year average): ^b																									
White	—	0.9	0.9	1.1	1.5	1.9	2.2	2.3	2.4	2.2	1.8	2.0	2.0	1.6	1.5	1.4	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.6	0.0
African American	—	0.3	0.4	0.8	0.6	0.4	0.4	0.5	0.5	0.5	0.7	0.8	0.6	0.4	0.6	0.6	0.5	0.5	0.5	0.6	0.7	0.6	0.8	0.7	0.0
Hispanic	—	1.5	1.7	1.9	2.5	3.7	3.7	4.1	4.4	4.0	3.7	3.6	3.5	3.1	3.6	3.1	2.3	2.4	2.5	2.0	1.9	2.0	1.8	1.0	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 41
CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		1994
Approximate weighted N =	—	—	—	—	—	—	—	—	—	—	—	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	—	—	—	—	—	—	—	—	—	—	—	4.1	3.9	3.1	3.1	1.9	1.5	1.5	1.5	1.9	
Gender:																					
Male	—	—	—	—	—	—	—	—	—	—	—	4.2	4.6	4.0	4.3	2.3	1.8	1.7	1.9	2.4	
Female	—	—	—	—	—	—	—	—	—	—	—	3.6	3.0	2.0	1.8	1.4	1.0	1.0	1.1	1.3	
College Plans:																					
None or under 4 years	—	—	—	—	—	—	—	—	—	—	—	5.2	5.1	4.1	3.8	3.5	2.3	2.6	2.7	3.3	
Complete 4 years	—	—	—	—	—	—	—	—	—	—	—	2.8	2.7	2.3	2.7	1.2	1.1	1.0	1.2	1.4	
Region:																					
Northeast	—	—	—	—	—	—	—	—	—	—	—	6.0	4.0	2.3	3.3	2.0	1.3	1.3	1.2	1.5	
Midwest	—	—	—	—	—	—	—	—	—	—	—	3.1	3.5	2.4	2.2	1.6	1.5	1.4	1.3	2.2	
South	—	—	—	—	—	—	—	—	—	—	—	1.6	2.8	2.6	3.3	1.8	1.2	1.2	1.5	1.6	
West	—	—	—	—	—	—	—	—	—	—	—	7.5	6.1	5.6	3.8	2.7	1.8	2.1	2.1	2.3	
Population Density:																					
Large MSA	—	—	—	—	—	—	—	—	—	—	—	5.9	4.7	3.9	3.4	1.6	1.2	1.3	1.3	1.5	
Other MSA	—	—	—	—	—	—	—	—	—	—	—	3.5	3.5	3.2	3.3	2.0	1.7	1.6	1.8	2.1	
Non-MSA	—	—	—	—	—	—	—	—	—	—	—	3.5	3.7	2.0	2.2	2.0	1.2	1.3	1.4	1.9	
Parental Education: ^a																					
1.0–2.0 (Low)	—	—	—	—	—	—	—	—	—	—	—	1.2	3.6	3.3	3.1	2.2	1.6	1.9	2.6	2.7	
2.5–3.0	—	—	—	—	—	—	—	—	—	—	—	5.3	4.2	2.6	3.1	2.2	1.5	1.9	1.6	2.2	
3.5–4.0	—	—	—	—	—	—	—	—	—	—	—	4.0	4.0	3.4	2.8	1.8	1.7	1.3	1.5	1.8	
4.5–5.0	—	—	—	—	—	—	—	—	—	—	—	2.9	3.4	3.1	2.6	1.1	0.9	1.0	1.4	1.1	
5.5–6.0 (High)	—	—	—	—	—	—	—	—	—	—	—	3.7	2.4	2.1	3.7	1.8	1.1	0.8	1.0	1.8	
Race/Ethnicity (2-year average): ^b																					
White	—	—	—	—	—	—	—	—	—	—	—	—	3.8	3.4	3.1	2.1	1.6	1.3	1.3	1.6	
African American	—	—	—	—	—	—	—	—	—	—	—	—	1.9	2.5	2.0	1.3	1.0	0.6	0.6	0.9	
Hispanic	—	—	—	—	—	—	—	—	—	—	—	—	5.5	3.7	3.2	4.2	3.4	2.7	2.5	2.4	

(Table continued on next page.)

TABLE 41 (cont.)
CRACK: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	2.1	2.1	2.4	2.5	2.7	2.2	2.1	2.3	2.2	2.3	1.9	2.1	1.9	1.6	1.3	1.4	1.0	1.2	1.1	1.1	0.0
Gender:																					
Male	2.5	2.6	3.0	3.1	2.9	2.5	2.4	2.6	2.3	2.5	2.2	2.1	2.1	1.7	1.6	1.9	1.2	1.4	1.1	1.4	+0.2
Female	1.5	1.6	1.8	2.0	2.2	1.7	1.8	1.8	1.9	1.9	1.6	1.9	1.7	1.3	1.0	0.9	0.8	0.9	0.9	0.6	-0.2
College Plans:																					
None or under 4 years	3.0	4.0	4.3	4.6	5.0	3.5	4.4	4.5	2.7	3.9	3.4	3.5	3.7	3.3	2.8	2.5	2.4	1.9	2.1	1.8	-0.3
Complete 4 years	1.7	1.6	1.7	1.9	1.9	1.7	1.5	1.7	1.8	1.7	1.6	1.7	1.5	1.1	0.9	1.2	0.7	1.0	0.7	0.9	+0.2
Region:																					
Northeast	1.6	2.1	2.6	3.0	2.4	1.8	2.0	2.0	2.0	1.7	1.5	2.5	2.1	1.8	0.6	1.4	1.2	0.8	1.1	0.8	-0.3
Midwest	2.0	2.3	2.2	2.6	2.8	2.0	2.6	2.6	1.9	2.1	2.3	1.5	1.7	1.3	1.7	1.1	1.2	1.0	1.0	0.9	-0.1
South	1.7	1.7	1.8	2.0	2.3	1.8	1.2	1.9	2.0	2.2	1.8	2.1	2.2	1.6	1.2	1.4	0.8	1.1	0.8	1.0	+0.3
West	3.5	2.6	3.4	3.2	3.4	3.2	3.0	2.8	3.0	3.3	2.3	2.2	1.6	1.7	1.6	1.8	1.2	1.9	1.6	1.6	0.0
Population Density:																					
Large MSA	2.0	2.1	2.2	2.5	2.0	1.8	1.5	1.6	1.8	2.0	1.7	2.6	1.9	1.3	1.1	1.4	1.0	1.2	0.9	0.7	-0.2
Other MSA	2.1	1.9	2.3	2.4	2.5	2.1	2.2	2.4	2.3	2.2	1.8	1.7	1.9	1.6	1.3	1.6	1.1	1.3	1.2	1.5	+0.3
Non-MSA	2.1	2.5	2.8	2.9	3.6	2.8	2.8	2.8	2.4	2.8	2.5	2.0	2.0	1.6	1.6	1.0	0.9	1.0	0.9	0.6	-0.2
Parental Education: ^a																					
1.0–2.0 (Low)	3.4	3.4	3.6	3.9	3.2	2.8	3.8	4.8	2.5	3.3	2.3	3.6	3.6	2.1	2.2	2.5	2.3	1.9	1.5	1.8	+0.3
2.5–3.0	2.3	2.4	2.5	2.8	2.8	2.1	2.6	2.2	1.6	2.9	2.4	2.4	2.2	1.4	0.9	1.7	0.8	1.3	1.0	1.2	+0.2
3.5–4.0	1.7	2.2	2.0	2.4	3.0	2.2	1.8	2.3	2.3	1.9	2.0	2.0	1.9	1.6	1.4	1.4	1.2	1.0	1.2	0.7	-0.5
4.5–5.0	1.9	1.6	2.5	2.1	2.2	1.8	1.9	1.7	2.2	1.8	1.5	1.8	1.7	1.4	1.4	1.0	0.8	1.1	0.8	0.8	0.0
5.5–6.0 (High)	1.5	1.6	1.8	2.1	1.6	2.2	1.2	1.5	1.9	1.7	1.5	1.2	1.0	1.3	0.6	0.8	0.8	1.1	0.8	1.4	+0.6
Race/Ethnicity (2-year average): ^b																					
White	1.9	2.0	2.2	2.6	2.8	2.5	2.2	2.3	2.2	2.2	2.1	1.9	2.0	1.8	1.4	1.2	1.1	1.1	1.0	0.8	-0.2
African American	1.0	0.7	0.5	0.3	0.4	0.5	0.5	0.7	1.2	1.3	0.9	1.0	1.0	0.9	0.9	0.7	0.7	0.7	0.9	1.3	+0.5
Hispanic	3.1	4.1	4.2	3.9	3.5	3.4	3.1	3.1	2.9	3.0	3.1	3.1	2.7	2.0	1.6	1.8	1.9	1.7	1.7	1.7	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1986; N is one fifth of N indicated in Table S3. Data based on two forms in 1987–1989; N is two fifths of N indicated in 1987–1988 and two sixths of N indicated in 1989 in Table S3. Data based on six forms beginning in 1990.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 42
OTHER COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.0	1.2	1.3	1.7	2.1	2.5	2.2	2.4	2.3	1.9	1.9	1.8	1.6	1.6	1.7	1.6	1.5	1.4	1.3	1.3	1.1	1.0	0.8	0.8	0.0
Gender:																									
Male	1.1	1.2	1.5	1.7	2.0	2.2	2.5	2.3	2.3	1.9	1.8	1.7	1.5	1.3	1.5	1.4	1.3	1.4	1.3	1.3	1.1	0.9	0.8	0.8	0.0
Female	0.8	1.2	1.2	1.8	2.2	2.6	1.9	2.4	2.2	1.8	2.0	1.9	1.6	1.8	1.8	1.7	1.6	1.4	1.3	1.4	0.9	1.0	0.8	0.7	0.0
College Plans:																									
None or under 4 years	2.7	4.2	4.1	5.6	5.9	6.6	6.0	7.7	7.1	6.1	5.3	6.4	5.0	5.4	4.5	5.7	5.7	5.5	5.6	4.7	4.6	3.8	3.0	2.6	-0.4
Complete 4 years	0.6	0.7	0.9	1.2	1.6	1.8	1.7	1.8	1.7	1.4	1.5	1.3	1.2	1.1	1.4	1.2	1.1	1.1	1.0	1.1	0.8	0.7	0.6	0.6	0.0
Region:																									
Northeast	1.2	0.7	0.9	1.9	1.8	2.1	1.6	1.4	1.7	1.1	1.6	1.2	1.0	1.6	1.5	1.0	1.0	0.9	1.2	0.9	0.7	0.8	0.5	0.4	-0.1
Midwest	0.6	1.0	0.7	0.9	2.0	2.4	2.0	1.9	2.2	2.3	1.6	1.8	1.7	1.1	1.3	1.1	1.3	1.5	1.5	1.6	1.0	0.5	0.6	0.6	0.0
South	1.0	1.5	1.6	2.0	2.0	2.3	2.1	3.1	2.6	1.7	2.4	2.1	1.9	1.7	1.9	2.3	1.8	1.8	1.0	1.3	1.1	1.2	0.8	0.9	0.0
West	1.3	1.5	2.1	2.0	2.7	3.1	2.9	2.5	2.2	2.5	1.7	1.9	1.6	1.8	1.8	1.5	1.5	1.3	1.8	1.4	1.6	1.2	1.1	1.1	0.0
Population Density:																									
Large MSA	0.9	1.1	1.0	1.6	2.0	2.5	1.7	1.8	1.8	1.6	1.6	1.4	1.2	1.7	1.6	1.5	1.5	1.5	0.9	1.1	1.2	1.1	0.8	1.1	+0.3
Other MSA	0.9	1.4	1.8	2.1	2.1	2.6	2.2	2.5	2.3	1.8	2.2	1.8	1.6	1.6	1.7	1.6	1.5	1.4	1.6	1.5	1.2	1.0	0.9	0.7	-0.2
Non-MSA	1.1	0.9	0.7	1.2	2.2	2.2	2.5	2.8	2.8	2.5	1.6	2.3	2.2	1.3	1.7	1.7	1.5	1.4	1.4	1.3	0.8	0.8	0.7	0.7	0.0
Parental Education: ^a																									
1.0–2.0 (Low)	2.1	2.7	2.2	3.1	4.3	3.2	3.5	4.7	5.1	4.2	3.7	2.8	2.9	3.1	2.9	3.6	3.1	3.0	3.4	2.8	2.1	2.1	1.8	1.4	-0.4
2.5–3.0	1.2	1.1	1.5	2.0	2.0	2.6	2.4	2.5	2.8	2.1	1.9	2.3	1.8	1.9	2.2	1.7	1.6	1.8	1.4	1.9	1.6	1.2	1.0	0.7	-0.3
3.5–4.0	0.6	1.0	1.5	1.9	2.2	2.8	2.1	2.4	2.3	1.9	1.8	1.9	1.6	1.5	2.0	1.7	1.4	1.7	1.2	1.3	1.3	0.9	0.8	0.8	0.0
4.5–5.0	0.6	0.8	0.8	1.1	1.6	2.4	1.9	1.8	1.3	1.4	1.6	1.6	1.1	1.3	1.2	1.2	1.0	0.8	0.6	1.0	0.7	0.4	0.5	0.8	+0.3
5.5–6.0 (High)	1.0	1.2	0.8	1.2	2.0	1.9	1.7	1.8	1.8	1.3	1.1	0.8	1.5	0.9	0.9	0.9	0.9	1.1	1.3	0.9	0.6	0.6	0.7	0.4	-0.2
Race/Ethnicity (2-year average): ^b																									
White	—	0.9	1.0	1.2	1.8	2.4	2.5	2.2	2.1	1.9	1.8	1.8	1.8	1.5	1.4	1.5	1.3	1.2	1.2	1.2	1.0	0.8	0.7	0.5	-0.2
African American	—	0.6	0.5	0.6	0.5	0.4	0.3	0.5	0.7	0.6	0.5	0.5	0.6	0.8	0.9	0.7	0.6	0.6	0.8	0.7	0.4	0.4	0.6	0.6	0.0
Hispanic	—	2.6	3.3	4.0	4.3	4.1	3.3	4.0	4.9	3.9	3.2	3.1	2.7	2.8	2.9	2.8	3.1	2.8	2.2	2.2	2.4	2.2	1.5	1.1	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 43
OTHER COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	2.1	1.7	1.8	2.4	3.0	3.5	4.1	4.0	4.4	3.8	3.0	3.4	2.8	3.3	3.0	2.9	3.1	2.6	2.3	1.9	1.7	1.8	1.6	1.3	-0.2
Gender:																									
Male	2.0	1.9	2.2	2.7	3.1	3.7	4.1	4.1	4.6	4.2	3.3	3.6	2.9	3.6	3.3	3.0	3.2	2.7	2.5	2.3	2.1	2.1	2.2	1.7	-0.6
Female	2.1	1.5	1.4	2.1	2.9	3.3	4.0	3.8	4.1	3.4	2.6	3.3	2.7	3.0	2.7	2.8	2.9	2.4	2.1	1.3	1.2	1.5	1.0	0.9	-0.1
College Plans:																									
None or under 4 years	4.4	3.3	4.5	5.9	6.3	8.4	9.0	9.3	10.5	8.3	8.2	8.7	7.3	8.3	8.1	8.3	7.5	7.8	7.2	6.8	5.1	6.2	3.9	4.5	+0.7
Complete 4 years	1.6	1.3	1.3	1.7	2.5	2.7	3.2	3.0	3.4	3.0	2.1	2.6	2.1	2.6	2.3	2.2	2.5	1.8	1.8	1.3	1.3	1.4	1.3	0.9	-0.4
Region:																									
Northeast	1.3	1.0	1.8	2.0	2.2	2.2	2.5	4.3	4.1	2.5	2.0	1.8	2.7	3.2	3.0	2.5	2.5	1.7	2.1	1.7	1.7	1.1	1.1	1.0	-0.1
Midwest	1.6	1.3	1.3	1.8	2.5	3.4	3.4	3.1	3.9	4.0	3.0	3.2	2.3	3.0	3.0	2.8	3.3	2.2	2.1	1.5	1.2	1.2	0.8	1.1	+0.3
South	1.9	1.6	1.7	2.2	2.9	3.5	4.8	3.7	4.7	3.9	3.2	3.3	3.1	3.2	2.6	2.9	3.3	3.2	2.1	1.5	1.8	2.2	1.8	1.5	-0.4
West	3.4	3.1	3.2	4.3	4.8	5.2	5.3	5.2	4.6	4.6	3.9	5.5	3.2	4.1	3.6	3.5	3.0	2.7	3.1	3.0	2.1	2.5	2.4	1.6	-0.8
Population Density:																									
Large MSA	1.6	1.5	1.4	1.9	2.8	3.3	3.9	3.8	3.7	3.7	2.5	3.1	2.2	2.9	2.7	2.6	3.1	2.4	2.2	1.9	1.8	2.0	1.5	1.0	-0.5
Other MSA	2.6	2.0	2.0	2.7	3.1	3.9	3.8	4.0	4.5	3.7	3.2	3.7	2.8	3.4	3.1	3.0	2.9	2.9	2.6	2.0	1.7	1.6	1.9	1.3	-0.6
Non-MSA	1.4	1.4	1.9	2.5	3.1	3.2	4.9	4.2	4.8	4.0	3.2	3.3	4.1	3.6	3.3	3.4	3.3	2.0	1.9	1.7	1.5	2.0	0.9	1.9	+1.0
Parental Education: ^a																									
1.0–2.0 (Low)	3.1	2.7	2.7	3.1	5.0	6.1	5.5	6.7	7.6	6.3	4.8	7.1	6.4	5.7	4.5	5.6	5.1	5.9	5.1	3.6	3.1	5.3	2.5	2.6	+0.1
2.5–3.0	2.2	1.6	2.0	2.6	3.6	3.6	4.3	4.5	5.1	4.4	4.5	3.9	3.5	3.7	4.0	3.7	3.3	3.1	2.7	2.3	1.9	2.2	2.3	1.3	-1.0
3.5–4.0	2.2	2.0	2.2	2.7	3.3	3.8	4.6	4.0	4.2	4.0	2.5	3.2	2.9	3.7	3.0	2.8	3.2	2.4	2.5	1.7	1.7	1.5	1.4	1.5	+0.2
4.5–5.0	1.6	1.3	1.4	1.8	2.2	3.0	3.3	3.0	3.5	3.0	2.2	2.0	1.8	2.8	2.4	1.8	2.4	1.9	1.4	1.6	1.3	1.3	1.1	0.8	-0.3
5.5–6.0 (High)	1.8	1.3	0.9	1.6	1.7	2.8	2.9	2.5	3.5	2.7	1.4	2.7	1.2	1.6	2.1	2.8	2.4	1.3	2.0	1.0	1.0	1.0	1.2	0.9	-0.4
Race/Ethnicity (2-year average): ^b																									
White	—	1.9	1.8	1.9	2.6	3.2	3.7	4.1	4.3	4.1	3.4	3.3	3.4	3.4	3.3	3.2	3.2	2.8	2.3	1.9	1.6	1.5	1.4	1.3	-0.1
African American	—	0.5	0.5	0.9	0.8	0.6	0.6	0.9	0.8	0.5	0.5	0.7	0.7	0.7	0.8	0.9	0.6	0.7	0.7	0.6	0.6	1.2	1.4	0.7	-0.7
Hispanic	—	3.4	3.4	4.6	5.2	6.1	7.5	7.0	6.8	7.1	5.6	5.0	5.2	5.1	5.4	5.0	4.5	4.6	4.5	4.0	3.7	3.4	3.4	2.6	-0.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 44
OTHER COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		1994
Approximate weighted N =	—	—	—	—	—	—	—	—	—	—	—	—	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	—	—	—	—	—	—	—	—	—	—	—	—	9.8	7.4	5.2	4.6	3.2	2.6	2.9	3.0	
Gender:																					
Male	—	—	—	—	—	—	—	—	—	—	—	—	10.1	8.0	6.5	5.8	3.7	3.1	3.7	3.7	
Female	—	—	—	—	—	—	—	—	—	—	—	—	9.1	6.2	4.0	3.2	2.4	2.0	2.0	2.3	
College Plans:																					
None or under 4 years	—	—	—	—	—	—	—	—	—	—	—	—	9.8	6.0	7.3	6.3	4.0	4.0	3.9	4.3	
Complete 4 years	—	—	—	—	—	—	—	—	—	—	—	—	8.3	6.7	4.2	3.7	2.8	2.0	2.5	2.5	
Region:																					
Northeast	—	—	—	—	—	—	—	—	—	—	—	—	12.9	7.0	4.9	5.6	3.4	2.8	2.3	2.8	
Midwest	—	—	—	—	—	—	—	—	—	—	—	—	8.2	5.6	4.8	3.7	2.9	2.2	2.3	3.5	
South	—	—	—	—	—	—	—	—	—	—	—	—	5.8	5.8	4.6	4.1	2.8	2.5	2.6	2.6	
West	—	—	—	—	—	—	—	—	—	—	—	—	15.3	13.4	7.5	6.1	3.9	3.1	4.6	3.5	
Population Density:																					
Large MSA	—	—	—	—	—	—	—	—	—	—	—	—	13.3	9.8	5.6	5.0	3.7	3.1	2.6	2.6	
Other MSA	—	—	—	—	—	—	—	—	—	—	—	—	8.9	7.8	5.4	4.7	3.3	2.5	3.6	3.5	
Non-MSA	—	—	—	—	—	—	—	—	—	—	—	—	8.0	4.5	4.4	4.1	2.5	2.3	2.0	2.6	
Parental Education: ^a																					
1.0–2.0 (Low)	—	—	—	—	—	—	—	—	—	—	—	—	5.3	4.9	3.3	3.4	3.5	3.7	3.9	2.7	
2.5–3.0	—	—	—	—	—	—	—	—	—	—	—	—	10.5	6.5	4.6	5.0	3.5	2.3	2.3	3.2	
3.5–4.0	—	—	—	—	—	—	—	—	—	—	—	—	10.5	7.2	5.1	4.7	3.2	2.6	3.3	3.4	
4.5–5.0	—	—	—	—	—	—	—	—	—	—	—	—	9.0	7.7	6.1	4.1	2.7	2.3	2.9	2.6	
5.5–6.0 (High)	—	—	—	—	—	—	—	—	—	—	—	—	9.7	9.0	6.5	5.4	2.4	2.0	1.7	3.1	
Race/Ethnicity (2-year average): ^b																					
White	—	—	—	—	—	—	—	—	—	—	—	—	—	9.3	7.0	5.3	4.2	2.9	2.6	2.9	
African American	—	—	—	—	—	—	—	—	—	—	—	—	—	2.8	1.4	0.7	1.0	1.0	0.7	0.8	
Hispanic	—	—	—	—	—	—	—	—	—	—	—	—	—	6.3	5.1	5.1	5.0	4.3	5.1	5.1	

(Table continued on next page.)

TABLE 44 (cont.)
OTHER COCAINE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	3.4	4.2	5.0	4.9	5.8	4.5	4.4	4.4	4.2	4.7	4.5	5.2	4.5	4.0	3.0	2.6	2.6	2.4	2.4	2.4	0.0
Gender:																					
Male	4.0	4.9	5.7	5.6	7.1	5.5	4.9	5.0	5.4	5.8	5.4	5.7	4.8	4.8	3.6	3.6	3.4	2.8	3.1	3.6	+0.5
Female	2.5	3.2	4.0	3.9	4.2	3.4	3.7	3.7	2.9	3.5	3.6	4.4	3.9	3.1	2.3	1.7	1.9	1.8	1.6	1.3	-0.3
College Plans:																					
None or under 4 years	4.5	5.7	7.0	8.9	7.6	6.7	7.4	7.1	4.8	6.8	6.7	6.9	7.7	6.8	4.7	5.3	4.3	3.2	4.4	3.3	-1.1
Complete 4 years	2.9	3.5	4.1	3.5	5.2	3.7	3.4	3.4	3.8	3.9	3.9	4.7	3.6	3.1	2.5	2.1	2.2	2.0	1.8	2.1	+0.4
Region:																					
Northeast	4.2	5.2	5.9	4.7	4.1	3.7	4.4	4.3	5.3	4.4	4.3	6.2	5.3	4.4	2.7	3.3	2.9	1.8	2.4	2.2	-0.1
Midwest	2.7	3.2	4.1	5.3	5.7	4.5	5.6	4.8	3.2	3.9	4.2	3.6	4.4	3.4	3.5	2.2	2.6	1.7	1.7	2.0	+0.2
South	3.1	4.2	4.6	4.9	6.6	4.0	3.9	4.4	4.1	4.9	4.7	5.8	4.5	4.2	2.7	1.9	2.4	2.5	2.1	2.5	+0.5
West	4.0	4.5	6.2	4.4	6.1	5.9	3.5	3.9	4.7	5.8	4.7	5.1	3.8	4.1	2.9	3.6	2.9	3.3	3.5	2.7	-0.8
Population Density:																					
Large MSA	3.7	3.9	4.2	4.8	4.8	3.7	4.1	3.5	3.0	3.9	4.6	7.2	4.3	4.1	2.8	2.8	2.6	2.6	2.1	2.0	-0.2
Other MSA	3.3	4.4	5.2	4.9	6.0	4.5	4.3	4.7	5.3	5.4	4.7	4.4	4.6	3.9	3.0	3.0	2.7	2.6	2.7	2.9	+0.1
Non-MSA	3.1	4.2	5.6	4.9	6.7	5.4	5.0	4.9	3.9	4.2	4.0	3.8	4.6	4.2	3.2	1.5	2.5	1.5	1.9	1.9	0.0
Parental Education: ^a																					
1.0–2.0 (Low)	2.9	5.2	6.4	5.5	7.4	5.4	3.7	5.1	4.1	6.3	4.1	4.6	5.2	3.0	3.8	3.0	3.2	3.5	3.3	1.7	-1.6
2.5–3.0	3.4	3.8	4.9	5.3	5.0	3.8	5.6	4.7	3.4	3.6	5.5	5.5	5.0	3.8	3.2	2.6	2.6	2.4	3.1	3.1	0.0
3.5–4.0	3.6	4.6	4.9	5.3	6.9	4.7	4.7	4.9	4.6	5.1	4.7	5.2	4.5	4.6	2.5	2.9	2.9	2.4	2.7	2.3	-0.4
4.5–5.0	3.2	3.9	4.4	4.2	5.5	4.5	3.9	3.4	4.3	5.1	4.2	4.6	4.3	3.5	2.9	2.1	2.2	1.9	1.4	2.2	+0.8
5.5–6.0 (High)	2.7	3.8	4.8	3.5	3.6	4.2	2.2	3.9	3.8	3.7	3.7	5.9	3.7	4.2	2.6	2.6	2.5	2.2	1.9	2.6	+0.7
Race/Ethnicity (2-year average): ^b																					
White	3.3	3.9	5.0	5.6	6.0	5.7	5.0	5.1	4.9	4.8	4.9	5.2	5.5	5.2	4.3	3.2	3.0	2.8	2.3	2.0	-0.3
African American	0.8	0.7	0.7	0.6	0.8	1.0	0.9	0.8	1.0	1.1	1.2	1.4	1.2	0.7	0.6	0.7	0.7	0.8	1.0	1.5	+0.5
Hispanic	4.0	5.6	6.9	6.0	5.8	6.6	5.8	4.7	3.9	4.8	5.8	5.7	4.8	3.7	3.1	2.5	2.5	3.1	3.6	3.4	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one form in 1987–1989;

N is one fifth of N indicated in 1987–1988 and one sixth of N indicated in 1989 in Table S3. Data based on four of six forms beginning in 1990; N is four sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 45
HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995 ^a	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	0.7	0.7	0.7	1.2	1.4	1.6	1.3	1.3	1.4	1.1	1.0	0.9	0.9	1.0	0.8	0.8	0.8	0.9	0.7	0.8	0.7	0.5	0.5	0.5	0.0
Gender:																									
Male	0.9	0.8	0.8	1.3	1.6	1.5	1.4	1.5	1.4	1.0	1.0	0.8	0.8	0.9	0.8	0.6	0.8	0.9	0.8	0.9	0.7	0.5	0.4	0.6	+0.1
Female	0.5	0.7	0.5	0.9	1.2	1.5	1.1	1.1	1.3	1.2	1.0	1.0	0.9	1.0	0.8	0.9	0.9	0.7	0.7	0.7	0.7	0.5	0.5	0.4	-0.1
College Plans:																									
None or under 4 years	2.1	2.7	2.0	3.9	4.4	4.1	3.4	5.0	3.7	3.5	3.1	2.9	3.1	4.2	2.3	3.0	3.7	3.5	3.5	2.3	3.1	1.8	2.1	2.2	+0.1
Complete 4 years	0.4	0.4	0.5	0.7	1.0	1.1	1.1	0.9	1.1	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.7	0.5	0.4	0.4	0.3	-0.1
Region:																									
Northeast	0.5	0.6	0.7	1.3	1.4	1.8	1.1	1.1	1.3	1.1	1.1	0.8	0.7	1.1	0.7	0.4	0.5	0.7	0.4	0.6	0.6	0.4	0.3	0.3	0.0
Midwest	0.4	0.8	0.5	1.1	1.4	1.6	1.4	1.3	1.6	1.4	1.0	1.0	1.0	0.8	0.5	0.7	0.8	1.0	0.7	0.8	0.8	0.4	0.4	0.5	+0.1
South	0.8	0.7	0.7	1.1	1.5	1.4	1.2	1.4	1.4	0.7	1.2	1.0	1.0	0.9	1.0	0.9	0.8	0.8	0.6	0.8	0.6	0.6	0.6	0.4	-0.1
West	1.0	0.7	1.1	1.1	1.2	1.6	1.4	1.3	1.2	1.4	0.7	1.0	0.9	1.2	0.8	0.9	1.0	0.9	1.2	0.9	0.8	0.5	0.6	0.8	+0.2
Population Density:																									
Large MSA	0.5	0.7	0.7	1.2	1.2	1.4	1.0	1.0	1.3	1.0	0.9	0.7	0.8	1.2	0.6	0.7	0.5	1.2	0.6	0.7	0.6	0.6	0.5	0.6	+0.2
Other MSA	0.7	0.8	0.9	1.2	1.5	1.7	1.3	1.3	1.4	1.1	1.0	1.0	0.9	1.0	0.8	0.9	0.9	0.8	0.8	0.9	0.8	0.5	0.6	0.4	-0.1
Non-MSA	0.8	0.7	0.4	1.0	1.5	1.5	1.5	1.6	1.5	1.0	1.1	1.1	1.2	0.6	1.0	0.8	1.0	0.6	0.7	0.7	0.7	0.3	0.4	0.5	0.0
Parental Education: ^b																									
1.0–2.0 (Low)	1.5	1.4	0.8	2.0	2.6	2.0	2.3	3.5	2.8	1.7	2.6	1.2	2.1	1.9	0.5	1.8	1.9	2.3	2.0	1.4	1.4	0.9	1.2	1.1	-0.1
2.5–3.0	0.9	0.7	0.6	1.1	1.0	1.7	1.4	1.2	1.4	1.5	1.1	1.3	1.0	1.1	1.3	0.8	0.8	1.0	0.8	1.0	1.3	0.8	0.6	0.4	-0.2
3.5–4.0	0.6	0.6	0.7	1.3	1.6	1.7	1.0	1.1	1.2	0.7	1.0	0.9	0.8	1.0	1.0	0.8	0.6	0.7	0.6	0.8	0.6	0.8	0.5	0.4	-0.1
4.5–5.0	0.4	0.5	0.8	0.8	1.2	1.4	1.1	1.1	1.1	0.8	0.6	0.8	0.6	0.7	0.5	0.6	0.9	0.4	0.5	0.5	0.3	0.2	0.3	0.3	0.0
5.5–6.0 (High)	0.5	0.8	0.6	1.3	1.6	1.0	1.5	1.4	1.8	1.0	0.8	0.6	0.7	0.6	0.4	0.4	0.4	1.2	0.6	0.8	0.5	0.3	0.5	0.5	0.0
Race/Ethnicity (2-year average): ^c																									
White	—	0.6	0.6	0.8	1.2	1.6	1.6	1.3	1.2	1.2	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.0
African American	—	0.4	0.3	0.6	0.7	0.5	0.4	0.5	0.7	0.5	0.6	0.6	0.5	0.7	0.5	0.4	0.4	0.4	0.6	0.7	0.4	0.5	0.5	0.4	-0.1
Hispanic	—	1.4	1.4	1.5	1.8	2.1	1.7	1.7	2.2	2.0	1.4	1.2	1.4	1.7	1.5	1.1	1.2	1.3	1.2	1.3	1.4	1.0	0.7	0.6	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 46
HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995 ^a	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	0.5	0.6	0.7	0.9	1.1	1.2	1.4	1.4	1.4	1.4	0.9	1.1	0.7	0.9	0.9	0.9	0.8	0.8	0.9	0.8	0.8	0.6	0.6	0.5	-0.1
Gender:																									
Male	0.7	0.8	0.9	1.0	1.3	1.5	1.6	1.7	1.7	1.5	1.0	1.3	0.8	1.0	1.1	0.9	0.9	1.0	1.1	0.9	0.9	0.6	0.9	0.5	-0.4 s
Female	0.4	0.4	0.4	0.8	0.8	0.9	1.3	1.1	1.2	1.2	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.6	0.6	0.7	0.6	0.6	0.4	0.5	+0.1
College Plans:																									
None or under 4 years	1.4	1.4	1.9	2.0	2.2	2.4	2.9	2.7	3.4	3.8	2.5	2.7	2.0	2.8	3.2	2.7	2.0	2.5	2.9	2.8	2.6	2.5	2.0	1.9	-0.1
Complete 4 years	0.3	0.4	0.4	0.7	0.9	1.0	1.2	1.2	1.1	1.0	0.7	0.8	0.5	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.6	0.4	0.5	0.4	-0.1
Region:																									
Northeast	0.4	0.6	0.6	0.6	0.9	0.9	1.3	1.8	1.9	1.5	1.0	0.9	0.6	1.1	1.3	0.9	1.1	0.7	0.9	0.8	0.9	0.6	0.5	0.2	-0.3
Midwest	0.6	0.6	0.8	0.9	1.0	1.5	1.5	1.4	1.3	1.6	1.1	1.2	0.7	0.7	1.0	0.9	0.7	1.0	1.1	0.8	0.5	0.6	0.5	0.4	-0.1
South	0.6	0.5	0.6	1.0	1.3	1.4	1.5	1.3	1.4	1.5	0.9	0.8	0.9	1.0	0.8	0.9	0.8	0.9	0.8	0.8	0.9	0.6	0.5	0.8	+0.3
West	0.4	0.8	0.5	1.2	1.0	1.0	1.3	1.1	1.1	0.7	0.7	1.4	0.7	0.8	0.8	0.7	0.9	0.7	1.0	0.8	0.7	0.6	0.9	0.5	-0.4
Population Density:																									
Large MSA	0.6	0.6	0.7	0.8	1.0	1.1	1.6	1.2	1.2	1.8	0.9	0.9	0.6	0.9	0.8	0.7	0.9	0.6	0.8	0.8	0.7	0.7	0.5	0.4	0.0
Other MSA	0.5	0.6	0.6	0.9	1.0	1.3	1.3	1.5	1.4	1.2	1.0	1.0	0.8	0.9	1.0	0.9	0.8	0.8	1.2	0.8	0.8	0.4	0.8	0.4	-0.4 ss
Non-MSA	0.4	0.6	0.7	1.0	1.3	1.2	1.6	1.5	1.6	1.2	0.9	1.4	0.9	0.7	0.9	1.0	0.7	1.1	0.5	0.9	0.8	0.9	0.5	1.1	+0.6 s
Parental Education: ^b																									
1.0–2.0 (Low)	0.4	0.5	1.2	1.3	1.8	1.0	1.3	1.7	2.4	1.3	1.1	2.0	1.1	1.5	1.7	1.4	1.8	1.9	1.5	1.3	0.9	1.7	0.8	0.5	-0.3
2.5–3.0	0.8	0.7	0.7	0.8	1.0	1.2	1.3	1.2	1.5	1.7	1.3	0.8	0.8	1.0	1.2	0.9	0.8	0.5	1.1	0.6	1.0	0.8	0.9	0.7	-0.2
3.5–4.0	0.5	0.6	0.8	0.9	1.2	1.3	1.6	1.6	1.2	1.5	0.6	1.1	0.7	0.8	0.8	0.6	0.8	1.1	1.2	0.7	0.8	0.5	0.4	0.6	+0.2
4.5–5.0	0.4	0.5	0.3	0.9	0.9	1.1	1.5	1.3	1.4	1.3	0.8	0.7	0.6	0.7	0.8	0.7	0.7	0.6	0.6	0.9	0.5	0.5	0.5	0.4	-0.1
5.5–6.0 (High)	0.4	0.5	0.8	0.9	0.9	1.5	1.1	1.3	1.2	1.1	0.9	1.6	0.3	0.5	0.6	1.2	0.5	0.6	0.6	0.8	0.5	0.3	0.9	0.5	-0.4
Race/Ethnicity (2-year average): ^c																									
White	—	0.6	0.7	0.8	1.0	1.2	1.4	1.4	1.5	1.5	1.2	1.0	0.9	0.8	0.9	1.0	0.8	0.7	0.8	0.8	0.7	0.6	0.5	0.6	0.0
African American	—	0.3	0.4	0.6	0.6	0.2	0.2	0.4	0.5	0.5	0.5	0.3	0.3	0.4	0.6	0.6	0.4	0.5	0.4	0.4	0.8	0.8	0.7	0.6	-0.1
Hispanic	—	0.7	0.7	0.7	1.0	1.0	1.3	1.6	1.7	1.4	1.4	1.1	1.1	1.2	1.2	1.2	1.0	1.0	1.1	1.0	0.9	1.0	1.0	0.7	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 47
HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	1.0	0.8	0.8	0.8	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.4	0.6	0.5	0.6	
Gender:																					
Male	1.2	1.0	1.2	1.1	0.6	0.6	0.6	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.9	0.6	0.6	0.8	0.7	0.8	
Female	0.8	0.5	0.4	0.6	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	
College Plans:																					
None or under 4 years	—	0.9	1.1	1.0	0.7	0.6	0.5	0.7	0.9	0.6	0.7	0.8	0.5	0.8	0.9	0.6	0.5	0.9	1.0	1.1	
Complete 4 years	—	0.6	0.5	0.6	0.3	0.3	0.5	0.4	0.3	0.4	0.5	0.4	0.4	0.3	0.5	0.4	0.4	0.5	0.4	0.5	
Region:																					
Northeast	1.1	0.7	0.7	0.6	0.6	0.5	0.5	0.9	0.6	0.6	0.8	0.7	0.6	0.5	0.9	0.8	0.2	0.5	0.9	0.7	
Midwest	1.3	1.0	1.0	0.8	0.5	0.7	0.6	0.5	0.4	0.6	0.6	0.4	0.6	0.3	0.6	0.3	0.8	0.6	0.5	0.9	
South	0.9	0.7	0.9	1.1	0.6	0.3	0.5	0.5	0.7	0.5	0.6	0.5	0.4	0.5	0.6	0.5	0.4	0.6	0.4	0.6	
West	0.7	0.6	0.5	0.8	0.2	0.4	0.5	0.3	0.5	0.4	0.3	0.5	0.5	0.7	0.7	0.3	0.3	0.8	0.5	0.4	
Population Density:																					
Large MSA	1.3	1.0	0.5	0.7	0.4	0.3	0.3	0.7	0.6	0.6	0.7	0.7	0.3	0.4	0.5	0.4	0.4	0.4	0.6	0.4	
Other MSA	0.9	1.0	0.8	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.7	0.4	0.6	0.5	0.7	0.5	0.4	0.7	0.5	0.8	
Non-MSA	1.0	0.4	1.1	1.0	0.5	0.6	0.7	0.6	0.7	0.7	0.4	0.5	0.5	0.5	0.8	0.5	0.6	0.7	0.5	0.5	
Parental Education: ^a																					
1.0–2.0 (Low)	1.2	0.8	0.8	0.8	0.6	0.6	0.4	0.4	0.5	0.6	0.8	0.9	0.5	0.5	0.9	0.8	0.5	0.7	0.3	0.9	
2.5–3.0	0.8	0.9	0.8	0.9	0.5	0.6	0.6	0.7	0.6	0.5	0.5	0.4	0.4	0.7	0.7	0.4	0.4	0.6	0.4	0.8	
3.5–4.0	0.6	0.8	0.9	0.7	0.4	0.4	0.5	0.3	0.5	0.5	0.5	0.6	0.4	0.6	0.4	0.4	0.4	0.6	0.6	0.4	
4.5–5.0	1.2	1.4	0.6	0.9	0.6	0.4	0.3	0.6	0.4	0.4	0.7	0.3	0.3	0.3	0.6	0.4	0.6	0.7	0.7	0.3	
5.5–6.0 (High)	1.2	0.6	1.1	1.0	0.8	0.4	0.7	1.1	0.8	0.5	0.6	0.5	0.7	0.4	0.4	0.5	0.5	0.3	0.4	0.9	
Race/Ethnicity (2-year average): ^b																					
White	—	—	0.8	0.8	0.6	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.5	
African American	—	—	0.6	0.6	0.5	0.5	0.6	0.7	0.6	0.4	0.5	0.5	0.5	0.7	0.6	0.3	0.2	0.5	0.4	0.3	
Hispanic	—	—	1.2	2.0	1.7	0.4	0.3	0.4	0.6	1.1	1.0	0.9	0.9	0.5	0.5	0.6	0.6	0.9	0.7	0.5	

(Table continued on next page.)

TABLE 47 (cont.)
HEROIN: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995 ^c	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	1.1	1.0	1.2	1.0	1.1	1.5	0.9	1.0	0.8	0.9	0.8	0.8	0.9	0.7	0.7	0.9	0.8	0.6	0.6	0.6	0.0
Gender:																					
Male	1.4	1.3	1.5	1.4	1.4	1.7	1.3	1.1	0.8	1.2	1.2	1.0	1.2	1.0	1.0	1.1	1.0	0.8	0.8	0.9	+0.1
Female	0.8	0.7	0.9	0.7	0.8	1.2	0.6	0.8	0.5	0.4	0.5	0.4	0.6	0.4	0.5	0.5	0.4	0.4	0.3	0.2	-0.1
College Plans:																					
None or under 4 years	1.5	1.8	1.8	1.7	1.3	2.2	1.3	2.3	0.9	1.6	1.8	1.3	2.2	1.4	1.1	1.7	1.2	1.2	1.0	1.1	0.0
Complete 4 years	0.9	0.8	1.0	0.8	1.0	1.1	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.6	0.6	0.7	0.5	0.4	0.5	0.0
Region:																					
Northeast	1.0	1.6	1.7	1.3	1.2	1.0	1.2	1.2	0.8	0.9	1.0	1.1	1.1	0.7	0.8	1.3	0.7	0.8	0.6	0.8	+0.2
Midwest	0.7	0.7	0.9	1.0	0.9	1.4	1.3	1.0	0.6	0.6	0.8	0.4	0.8	0.6	0.8	0.9	0.7	0.7	0.6	0.6	0.0
South	1.4	1.0	1.1	1.1	1.3	1.6	0.6	1.2	1.0	1.0	0.9	0.8	0.9	0.7	0.6	0.7	0.7	0.4	0.5	0.5	0.0
West	1.0	0.9	1.2	0.6	0.9	1.8	0.8	0.5	0.5	0.9	0.7	0.7	0.9	1.0	0.9	0.7	1.0	0.8	0.7	0.5	-0.2
Population Density:																					
Large MSA	1.4	1.1	1.1	0.9	0.8	1.9	1.1	1.0	0.7	0.8	0.8	1.0	0.9	0.9	0.9	0.8	0.9	0.7	0.5	0.4	-0.1
Other MSA	0.9	1.1	1.3	1.3	1.3	1.3	0.8	1.0	0.8	1.0	0.9	0.6	0.9	0.8	0.8	0.9	0.8	0.7	0.6	0.7	+0.1
Non-MSA	1.0	0.9	1.0	0.6	1.0	1.3	0.9	1.1	0.9	0.6	0.8	0.6	1.0	0.5	0.6	0.8	0.5	0.5	0.6	0.5	-0.1
Parental Education: ^a																					
1.0–2.0 (Low)	1.8	1.1	2.1	1.2	2.3	2.3	1.3	2.1	1.1	1.4	1.0	1.2	1.7	1.3	1.5	1.1	1.0	1.3	1.0	1.3	+0.3
2.5–3.0	1.1	0.9	1.0	1.0	0.9	1.6	0.5	1.0	0.7	0.9	1.2	0.9	1.0	0.5	0.8	1.0	0.5	0.8	0.6	0.6	0.0
3.5–4.0	0.9	1.1	1.2	1.2	1.0	1.3	1.0	0.9	0.8	0.7	0.8	0.7	0.8	0.9	0.6	0.9	0.8	0.4	0.4	0.3	-0.1
4.5–5.0	1.1	1.0	1.1	1.0	1.1	1.5	1.0	0.7	0.6	0.9	0.5	0.5	0.9	0.5	0.6	0.7	0.8	0.5	0.5	0.7	+0.2
5.5–6.0 (High)	1.0	0.8	1.1	0.7	1.1	1.1	0.8	1.0	0.6	0.6	0.8	0.7	0.5	0.7	0.5	0.6	0.7	0.4	0.6	0.5	-0.1
Race/Ethnicity (2-year average): ^b																					
White	0.8	1.0	1.2	1.2	1.1	1.3	1.3	1.0	0.8	0.7	0.7	0.7	0.9	0.9	0.7	0.8	0.9	0.7	0.5	0.4	-0.1
African American	0.4	0.5	0.5	0.4	0.3	0.5	0.4	0.5	0.7	0.7	0.8	0.7	0.5	0.4	0.4	0.6	0.7	0.8	0.8	0.9	+0.2
Hispanic	1.2	1.5	1.1	0.8	1.0	2.0	1.6	0.8	0.8	1.0	1.3	1.2	1.1	0.9	0.7	0.6	0.5	0.4	0.5	0.6	+0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^cIn 1995, the heroin question was changed in half of the forms. Separate questions were asked for use with and without injection. In 1996, the remaining forms were changed. Data presented here represent the combined data from all forms.

TABLE 48
HEROIN WITH A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																				2013– 2014 change	
	1991– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	0.9	1.0	0.8	0.8	0.9	0.6	0.7	0.6	0.6	0.7	0.6	0.5	0.6	0.5	0.5	0.6	0.5	0.4	0.3	0.4	+0.1
Gender:																						
Male	—	1.2	1.0	0.8	1.0	1.0	0.7	0.7	0.6	0.7	0.7	0.6	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.2	0.5	+0.3 s
Female	—	0.5	1.0	0.7	0.7	0.8	0.6	0.7	0.6	0.5	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.4	0.3	0.4	0.3	-0.1
College Plans:																						
None or under 4 years	—	3.2	3.1	2.0	3.1	2.2	2.1	2.2	1.9	2.0	3.1	1.5	2.1	2.7	2.1	2.6	1.3	2.1	1.3	1.8	2.2	+0.4
Complete 4 years	—	0.6	0.7	0.6	0.6	0.7	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.3	0.3	0.2	0.2	0.0
Region:																						
Northeast	—	0.8	1.3	0.5	0.6	1.0	0.8	0.9	0.6	0.4	0.7	0.4	0.3	0.4	0.5	0.3	0.5	0.5	0.3	0.2	0.2	0.0
Midwest	—	0.9	1.1	0.7	0.9	1.2	0.9	0.7	0.8	0.6	0.6	0.3	0.4	0.6	0.5	0.5	0.6	0.3	0.3	0.3	0.4	+0.1
South	—	0.8	0.9	0.8	1.0	0.9	0.3	0.9	0.6	0.7	0.6	0.8	0.6	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.3	-0.1
West	—	1.0	1.0	1.0	0.8	0.7	0.8	0.3	0.6	0.7	0.9	0.6	0.7	0.6	0.6	0.9	0.7	0.6	0.3	0.3	0.7	+0.3
Population Density:																						
Large MSA	—	0.9	0.7	0.6	0.8	0.8	0.7	0.7	0.4	0.5	1.0	0.3	0.5	0.3	0.7	0.5	0.6	0.4	0.4	0.2	0.5	+0.3
Other MSA	—	0.9	1.2	0.8	0.8	0.9	0.6	0.6	0.7	0.6	0.7	0.7	0.6	0.6	0.5	0.6	0.7	0.5	0.4	0.4	0.4	-0.1
Non-MSA	—	0.9	1.1	0.9	1.1	1.1	0.7	1.0	0.8	0.9	0.5	0.7	0.4	0.7	0.3	0.5	0.3	0.4	0.2	0.2	0.4	+0.1
Parental Education: ^a																						
1.0–2.0 (Low)	—	1.3	0.9	1.5	2.3	2.0	1.2	2.0	1.1	1.6	1.6	0.3	1.4	1.3	1.6	1.6	0.6	1.0	0.6	0.8	0.9	+0.1
2.5–3.0	—	0.5	1.2	0.8	0.8	0.9	0.5	0.7	0.9	0.6	0.8	1.0	0.5	0.6	0.5	0.5	0.7	0.9	0.5	0.4	0.3	-0.1
3.5–4.0	—	0.8	1.2	0.6	0.6	0.9	0.4	0.6	0.6	0.4	0.7	0.7	0.4	0.3	0.4	0.3	0.6	0.4	0.7	0.3	0.3	0.0
4.5–5.0	—	1.0	0.8	0.7	0.7	0.5	0.4	0.5	0.5	0.5	0.6	0.3	0.4	0.6	0.3	0.4	0.4	0.2	0.1	0.2	0.3	+0.1
5.5–6.0 (High)	—	1.0	0.6	0.9	0.9	1.2	0.9	0.7	0.4	0.5	0.5	0.3	0.2	0.3	0.7	0.5	0.6	0.4	0.2	0.3	0.4	+0.1
Race/Ethnicity (2-year average): ^b																						
White	—	—	1.1	1.0	0.7	0.8	0.7	0.6	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.0
African American	—	—	0.3	0.2	0.3	0.4	0.3	0.5	0.5	0.4	0.5	0.4	0.3	0.2	0.2	0.5	0.6	0.4	0.4	0.5	0.4	-0.1
Hispanic	—	—	1.1	1.0	1.1	1.5	1.2	0.8	0.7	0.9	1.3	1.1	0.9	0.9	1.0	0.9	1.0	1.1	0.7	0.4	0.4	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S1. Data based on all forms beginning in 1996.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 49
HEROIN WITH A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																				2013– 2014 change	
	1991– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	0.6	0.7	0.7	0.8	0.6	0.5	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.5	0.4	0.0
Gender:																						
Male	—	0.8	0.8	0.9	1.0	0.8	0.6	0.5	0.6	0.5	0.6	0.6	0.6	0.5	0.6	0.8	0.5	0.6	0.5	0.6	0.4	-0.2
Female	—	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.4	+0.1
College Plans:																						
None or under 4 years	—	1.6	1.4	1.5	1.6	1.7	1.7	1.4	1.5	1.4	1.6	1.6	1.3	1.3	1.7	2.1	1.7	1.6	1.6	1.1	1.7	+0.6
Complete 4 years	—	0.4	0.5	0.6	0.6	0.5	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	-0.1
Region:																						
Northeast	—	0.5	0.3	0.6	0.8	0.7	0.5	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.4	0.8	0.5	0.4	0.3	0.4	0.2	-0.2
Midwest	—	0.6	1.0	0.8	0.9	0.7	0.5	0.5	0.6	0.5	0.4	0.5	0.5	0.4	0.5	0.7	0.5	0.4	0.5	0.5	0.4	-0.1
South	—	0.6	0.7	0.8	0.8	0.6	0.6	0.3	0.5	0.5	0.5	0.4	0.6	0.4	0.6	0.4	0.5	0.7	0.3	0.4	0.5	+0.2
West	—	0.5	0.5	0.6	0.6	0.6	0.4	0.5	0.8	0.5	0.5	0.6	0.3	0.6	0.5	0.5	0.4	0.4	0.4	0.6	0.5	-0.1
Population Density:																						
Large MSA	—	0.5	0.5	0.6	0.7	0.6	0.6	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	0.3	0.3	0.0
Other MSA	—	0.5	0.7	0.6	0.7	0.5	0.4	0.5	0.4	0.4	0.5	0.6	0.5	0.5	0.5	0.8	0.4	0.5	0.3	0.6	0.3	-0.3 s
Non-MSA	—	0.8	0.8	1.1	1.0	1.0	0.6	0.4	1.0	0.6	0.3	0.5	0.7	0.4	0.7	0.4	0.6	0.6	0.5	0.4	1.0	+0.6 s
Parental Education: ^a																						
1.0–2.0 (Low)	—	1.6	0.6	0.7	1.3	1.2	1.0	0.5	1.2	0.8	1.0	1.4	1.0	1.3	1.7	1.0	0.9	0.6	1.2	0.4	0.5	+0.1
2.5–3.0	—	0.5	0.8	0.6	0.6	0.7	0.8	0.7	0.3	0.4	0.5	0.6	0.5	0.5	0.2	0.7	0.2	0.5	0.5	0.5	0.5	0.0
3.5–4.0	—	0.7	0.7	0.9	0.9	0.6	0.5	0.2	0.6	0.5	0.4	0.4	0.4	0.4	0.5	0.8	0.4	0.5	0.3	0.3	0.5	+0.2
4.5–5.0	—	0.4	0.5	0.7	0.6	0.6	0.3	0.3	0.3	0.5	0.3	0.4	0.3	0.5	0.3	0.3	0.4	0.4	0.3	0.4	0.3	-0.1
5.5–6.0 (High)	—	0.3	0.6	0.7	0.8	0.6	0.3	0.5	1.1	0.2	0.3	0.3	1.0	0.2	0.3	0.4	0.7	0.2	0.3	0.7	0.3	-0.4
Race/Ethnicity (2-year average): ^b																						
White	—	—	0.6	0.7	0.7	0.6	0.5	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	+0.1
African American	—	—	0.1	0.1	0.3	0.3	0.3	0.3	0.2	0.1	0.2	0.5	0.4	0.2	0.4	0.4	0.4	0.6	0.5	0.4	0.5	+0.1
Hispanic	—	—	0.6	0.6	0.8	1.0	0.9	0.9	0.7	0.7	0.8	0.8	0.8	0.6	0.7	0.8	0.6	0.4	0.6	0.6	0.5	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S2. Data based on all forms beginning in 1996.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 50
HEROIN WITH A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change	
	1975– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.7	0.6	0.4	0.4	0.5	+0.2
Gender:																						
Male	—	0.7	0.9	0.9	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.5	0.6	0.4	1.0	0.8	0.5	0.5	0.8	+0.3
Female	—	0.3	0.1	0.2	0.3	0.2	0.2	0.1	0.2	0.3	0.1	0.3	0.3	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.1	-0.1
College Plans:																						
None or under 4 years	—	0.9	1.2	0.9	0.8	0.5	1.0	0.7	0.9	0.4	1.0	0.9	1.0	1.0	1.0	0.6	1.6	1.3	1.1	0.7	0.9	+0.2
Complete 4 years	—	0.4	0.4	0.4	0.3	0.4	0.2	0.2	0.3	0.4	0.2	0.4	0.3	0.2	0.2	0.2	0.4	0.5	0.3	0.2	0.4	+0.1
Region:																						
Northeast	—	0.4	0.6	0.6	0.7	0.3	0.2	0.7	0.6	0.6	0.6	0.6	0.8	0.7	0.3	0.3	0.6	0.8	0.6	0.3	0.7	+0.4
Midwest	—	0.5	0.4	0.8	0.4	0.5	0.4	0.2	0.6	0.3	0.2	0.7	0.1	0.1	0.3	0.3	0.8	0.4	0.6	0.3	0.7	+0.4
South	—	0.4	0.6	0.3	0.5	0.4	0.8	0.1	0.3	0.6	0.4	0.4	0.6	0.4	0.3	0.2	0.8	0.5	0.2	0.4	0.3	0.0
West	—	0.8	0.5	0.5	0.1	0.3	0.1	0.4	0.2	0.2	0.5	0.3	0.3	0.2	0.5	0.3	0.4	1.0	0.4	0.5	0.5	+0.1
Population Density:																						
Large MSA	—	0.6	0.7	0.3	0.3	0.4	0.8	0.4	0.5	0.5	0.6	0.4	0.7	0.6	0.2	0.5	0.7	0.8	0.5	0.3	0.4	+0.1
Other MSA	—	0.4	0.5	0.6	0.5	0.3	0.3	0.3	0.3	0.4	0.4	0.6	0.4	0.2	0.5	0.2	0.6	0.7	0.4	0.4	0.6	+0.2
Non-MSA	—	0.6	0.3	0.7	0.5	0.6	0.3	0.2	0.5	0.4	0.2	0.5	0.4	0.4	0.2	0.1	0.7	0.3	0.2	0.3	0.4	+0.1
Parental Education: ^a																						
1.0–2.0 (Low)	—	0.7	0.9	1.8	0.8	1.5	1.2	0.7	0.8	0.5	0.2	0.8	1.0	1.0	0.9	0.8	1.4	1.4	0.4	0.8	1.5	+0.7
2.5–3.0	—	0.6	0.5	0.4	0.5	0.1	0.4	0.3	0.4	0.7	0.6	0.5	0.5	0.4	0.3	0.5	0.9	0.4	0.4	0.4	0.4	0.0
3.5–4.0	—	0.2	0.3	0.3	0.4	0.5	0.2	0.1	0.5	0.3	0.3	0.4	0.5	0.2	0.4	0.2	0.5	0.8	0.3	0.2	0.3	+0.1
4.5–5.0	—	0.5	0.7	0.6	0.4	0.3	0.4	0.4	0.2	0.4	0.4	0.3	0.2	0.2	0.3	0.1	0.5	0.4	0.5	0.3	0.6	+0.3
5.5–6.0 (High)	—	0.6	0.5	0.5	0.2	0.4	0.2	0.3	0.2	0.3	0.4	0.4	0.6	0.3	0.2	0.1	0.3	0.6	0.3	0.0	0.1	+0.1
Race/Ethnicity (2-year average): ^b																						
White	—	—	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.3	0.2	-0.1
African American	—	—	0.2	0.5	0.4	0.2	0.5	0.4	0.2	0.4	0.5	0.6	0.7	0.4	0.3	0.3	0.7	0.9	0.5	0.5	0.8	+0.3
Hispanic	—	—	1.0	0.7	0.5	0.6	1.0	0.6	0.4	0.6	0.7	0.8	0.9	0.7	0.4	0.3	0.5	0.6	0.2	0.3	0.6	+0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on three of six forms; N is three sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 51
HEROIN WITHOUT A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																				2013– 2014 change	
	1991– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	0.8	1.0	0.8	0.8	0.9	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.4	0.5	0.4	0.3	0.3	0.2	-0.1
Gender:																						
Male	—	1.0	0.9	0.9	0.9	0.8	0.5	0.6	0.6	0.6	0.4	0.4	0.5	0.4	0.6	0.4	0.5	0.4	0.2	0.3	0.2	-0.1
Female	—	0.6	0.9	0.7	0.8	0.8	0.8	0.6	0.7	0.6	0.7	0.5	0.6	0.5	0.6	0.4	0.5	0.5	0.3	0.3	0.2	-0.1
College Plans:																						
None or under 4 years	—	3.2	2.1	2.2	3.4	2.7	2.4	1.9	1.7	2.3	2.5	1.6	2.3	1.9	2.6	1.9	1.8	1.8	1.1	1.3	0.5	-0.7
Complete 4 years	—	0.5	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.4	0.2	0.4	0.3	0.2	0.3	0.2	-0.1
Region:																						
Northeast	—	0.9	1.1	0.8	0.7	0.7	0.6	0.7	0.3	0.5	0.6	0.5	0.2	0.2	0.4	0.3	0.4	0.3	0.1	0.3	0.1	-0.1
Midwest	—	1.0	1.0	0.9	0.9	1.0	0.8	0.6	0.7	0.8	0.4	0.3	0.7	0.5	0.8	0.3	0.4	0.5	0.2	0.3	0.1	-0.2
South	—	0.8	0.8	0.7	0.9	0.9	0.5	0.6	0.7	0.7	0.6	0.6	0.6	0.4	0.7	0.3	0.5	0.4	0.3	0.4	0.2	-0.2
West	—	0.7	1.1	1.1	0.9	0.9	0.8	0.5	0.7	0.5	0.7	0.4	0.5	0.7	0.5	0.7	0.6	0.5	0.4	0.3	0.4	0.0
Population Density:																						
Large MSA	—	0.9	1.0	0.6	0.5	0.8	0.7	0.5	0.6	0.6	0.7	0.4	0.4	0.3	0.8	0.3	0.4	0.3	0.3	0.3	0.2	-0.1
Other MSA	—	0.8	1.0	0.9	1.0	0.8	0.8	0.8	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.2	0.3	0.2	-0.1
Non-MSA	—	0.9	0.9	1.0	1.0	1.1	0.5	0.4	0.8	0.7	0.3	0.6	0.7	0.7	0.4	0.3	0.5	0.4	0.2	0.3	0.2	-0.2
Parental Education: ^a																						
1.0–2.0 (Low)	—	1.9	1.5	1.3	2.4	1.7	1.1	1.3	0.5	1.4	1.5	0.2	1.4	1.0	1.6	1.1	1.4	0.7	0.7	0.9	0.5	-0.4
2.5–3.0	—	0.7	0.9	1.1	0.7	1.0	1.3	0.6	0.8	0.6	0.6	0.9	0.6	0.4	0.8	0.4	0.6	1.0	0.4	0.4	0.2	-0.2
3.5–4.0	—	0.5	1.2	0.5	0.8	0.6	0.5	0.6	0.6	0.7	0.6	0.5	0.6	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.0
4.5–5.0	—	0.8	0.8	0.8	0.6	0.8	0.5	0.5	0.6	0.4	0.4	0.3	0.4	0.7	0.3	0.2	0.2	0.2	0.1	0.1	0.1	-0.1
5.5–6.0 (High)	—	0.7	0.8	1.0	1.1	1.1	0.3	0.4	0.4	0.5	0.3	0.1	0.3	0.3	0.8	0.2	0.5	0.2	0.1	0.4	0.2	-0.2
Race/Ethnicity (2-year average): ^b																						
White	—	—	1.0	1.0	0.8	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.4	0.3	0.2	0.2	0.0
African American	—	—	0.2	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.5	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.0
Hispanic	—	—	1.5	1.2	1.1	1.4	1.1	0.8	1.0	1.0	1.0	0.9	0.6	0.7	0.8	0.8	0.8	0.8	0.6	0.5	0.5	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S1. Data based on all forms beginning in 1996.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 52
HEROIN WITHOUT A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																				2013– 2014 change	
	1991– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	0.8	0.9	1.1	1.0	1.1	1.1	0.7	0.8	0.5	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.0
Gender:																						
Male	—	0.9	1.1	1.2	1.2	1.3	1.1	0.8	0.9	0.6	0.8	0.7	0.6	0.6	0.8	0.8	0.6	0.5	0.4	0.5	0.3	-0.2
Female	—	0.7	0.7	1.0	0.8	1.0	1.0	0.6	0.6	0.4	0.5	0.6	0.6	0.5	0.4	0.4	0.5	0.4	0.4	0.3	0.4	+0.1
College Plans:																						
None or under 4 years	—	1.7	1.8	2.1	1.8	2.5	2.7	1.7	2.2	1.4	2.2	2.3	2.0	1.1	1.6	2.0	2.2	1.6	1.8	1.2	1.3	+0.1
Complete 4 years	—	0.6	0.7	1.0	0.9	0.8	0.8	0.5	0.6	0.4	0.5	0.4	0.4	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2	-0.1
Region:																						
Northeast	—	0.5	0.7	1.0	1.4	1.6	1.2	0.8	0.7	0.4	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.6	0.3	0.4	0.2	-0.2
Midwest	—	0.5	0.8	1.2	0.7	1.0	1.2	0.8	0.9	0.5	0.5	0.8	0.6	0.5	0.8	0.7	0.6	0.2	0.4	0.2	0.2	0.0
South	—	1.1	1.1	1.2	1.0	1.0	1.3	0.7	0.5	0.7	0.7	0.6	0.6	0.6	0.4	0.5	0.6	0.5	0.3	0.5	0.5	+0.2
West	—	0.9	0.9	1.0	0.8	0.8	0.5	0.5	1.2	0.4	0.5	0.5	0.5	0.5	0.4	0.8	0.6	0.5	0.5	0.6	0.3	-0.3
Population Density:																						
Large MSA	—	0.9	0.9	1.3	0.8	0.9	1.5	0.8	0.6	0.4	0.6	0.7	0.5	0.7	0.5	0.4	0.6	0.5	0.5	0.3	0.3	0.0
Other MSA	—	0.7	1.0	1.0	1.1	1.2	1.0	0.7	0.8	0.6	0.8	0.7	0.6	0.5	0.6	0.8	0.5	0.4	0.3	0.5	0.2	-0.2 s
Non-MSA	—	0.9	0.7	1.1	1.0	1.2	0.9	0.7	1.0	0.6	0.5	0.6	0.8	0.6	0.8	0.3	0.6	0.5	0.6	0.3	0.6	+0.4
Parental Education: ^a																						
1.0–2.0 (Low)	—	1.7	0.8	0.9	1.2	1.8	1.1	0.9	1.5	0.9	1.0	1.1	1.2	0.9	1.1	1.1	0.9	0.7	1.3	0.5	0.3	-0.2
2.5–3.0	—	0.6	0.7	1.0	1.0	1.1	1.1	0.9	0.7	0.7	0.7	0.9	0.6	0.6	0.4	0.6	0.5	0.7	0.6	0.7	0.4	-0.3
3.5–4.0	—	0.9	1.0	1.3	1.2	0.9	1.3	0.5	0.8	0.4	0.7	0.6	0.5	0.6	0.8	0.7	0.5	0.4	0.4	0.1	0.3	+0.2
4.5–5.0	—	0.5	0.8	1.1	1.0	1.0	1.0	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.3	0.6	0.3	0.3	0.2	0.3	0.0
5.5–6.0 (High)	—	0.9	1.1	1.0	0.7	1.1	1.1	0.6	1.1	0.1	0.4	0.5	0.4	0.3	0.4	0.5	0.5	0.4	0.1	0.7	0.4	-0.2
Race/Ethnicity (2-year average): ^b																						
White	—	—	0.9	1.0	1.1	1.1	1.2	1.0	0.8	0.7	0.6	0.7	0.7	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.3	0.0
African American	—	—	0.1	0.1	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.2	0.5	0.6	0.5	0.4	-0.1
Hispanic	—	—	0.8	1.1	1.4	1.3	0.9	0.8	0.8	0.8	0.9	1.0	0.9	0.8	0.7	0.7	0.7	0.7	0.6	0.5	0.3	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1995; N is one half of N indicated in Table S2. Data based on all forms beginning in 1996.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 53
HEROIN WITHOUT A NEEDLE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change	
	1975– 1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	—	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	1.0	1.0	1.2	0.8	1.0	1.6	0.8	0.8	0.8	0.7	0.8	0.6	1.0	0.5	0.6	0.8	0.7	0.4	0.4	0.5	0.0
Gender:																						
Male	—	1.4	1.3	1.4	1.0	1.3	1.8	1.3	0.9	0.9	0.9	1.1	0.8	1.2	0.7	0.8	1.1	0.9	0.5	0.5	0.8	+0.2
Female	—	0.7	0.7	0.9	0.7	0.8	1.5	0.4	0.7	0.7	0.4	0.5	0.3	0.6	0.3	0.4	0.4	0.5	0.2	0.3	0.2	-0.1
College Plans:																						
None or under 4 years	—	1.4	1.7	1.6	1.3	1.5	2.7	1.3	2.2	0.8	1.5	1.7	1.2	2.6	1.0	0.7	1.8	1.1	0.8	0.8	0.7	-0.1
Complete 4 years	—	0.9	0.8	1.0	0.6	1.0	1.3	0.7	0.4	0.7	0.4	0.6	0.4	0.7	0.3	0.5	0.4	0.6	0.3	0.4	0.3	0.0
Region:																						
Northeast	—	0.9	1.9	1.9	1.1	1.3	0.9	1.3	1.1	0.6	1.1	1.1	1.0	1.1	0.7	0.7	1.3	0.8	0.2	0.4	0.9	+0.5
Midwest	—	0.7	0.5	1.0	0.6	0.7	1.6	1.1	0.9	0.7	0.4	0.7	0.2	0.9	0.3	0.7	0.7	0.9	0.3	0.3	0.5	+0.2
South	—	1.4	0.9	1.1	1.1	1.2	1.8	0.3	0.9	1.2	0.5	0.7	0.7	1.0	0.3	0.6	0.7	0.4	0.1	0.4	0.3	-0.1
West	—	0.8	0.7	0.6	0.3	1.0	2.0	0.9	0.4	0.3	1.0	0.7	0.6	0.9	0.8	0.7	0.6	0.9	0.8	0.8	0.4	-0.3
Population Density:																						
Large MSA	—	1.3	1.1	1.2	0.9	0.9	2.5	1.0	0.6	0.8	0.8	0.7	0.8	0.9	0.5	0.7	1.1	0.8	0.2	0.2	0.4	+0.2
Other MSA	—	0.8	1.2	1.1	0.9	1.2	1.2	0.8	1.1	0.7	0.9	0.7	0.4	0.9	0.6	0.6	0.8	0.7	0.4	0.5	0.6	+0.1
Non-MSA	—	1.0	0.4	1.2	0.4	0.8	1.4	0.7	0.6	1.0	0.2	1.0	0.5	1.2	0.3	0.5	0.5	0.4	0.5	0.6	0.2	-0.4
Parental Education: ^a																						
1.0–2.0 (Low)	—	1.0	0.8	1.7	0.5	2.0	2.7	1.5	1.8	1.0	1.1	1.1	1.2	2.2	0.7	1.1	0.8	1.0	0.1	1.0	0.9	0.0
2.5–3.0	—	1.1	0.6	0.8	1.1	1.1	1.8	0.5	0.9	0.9	0.8	1.0	0.5	0.9	0.5	0.7	0.9	0.4	0.5	0.7	0.3	-0.4
3.5–4.0	—	0.9	1.1	1.3	0.9	0.8	1.7	0.8	1.0	0.7	0.6	0.9	0.5	0.8	0.3	0.9	1.1	1.0	0.2	0.3	0.2	-0.1
4.5–5.0	—	1.2	1.2	1.2	0.8	1.1	1.6	1.1	0.2	0.8	0.7	0.5	0.4	0.8	0.6	0.3	0.5	0.7	0.5	0.3	0.7	+0.3
5.5–6.0 (High)	—	0.6	1.0	1.0	0.5	1.0	0.6	0.8	0.8	0.7	0.3	0.5	0.7	0.7	0.6	0.2	0.5	0.4	0.2	0.3	0.5	+0.2
Race/Ethnicity (2-year average): ^b																						
White	—	—	1.1	1.3	1.2	1.1	1.4	1.3	1.0	0.8	0.7	0.6	0.6	0.8	0.8	0.6	0.7	0.8	0.6	0.3	0.3	-0.1
African American	—	—	0.2	0.3	0.3	0.1	0.4	0.4	0.4	0.6	0.7	0.5	0.4	0.4	0.4	0.3	0.7	0.8	0.4	0.3	0.7	+0.4
Hispanic	—	—	0.9	0.6	0.4	0.6	1.8	1.3	0.5	0.7	0.7	0.9	1.0	1.1	0.7	0.4	0.6	0.7	0.3	0.3	0.6	+0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on three of six forms; N is three sixths of N indicated in Table S3.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 54
NARCOTICS OTHER THAN HEROIN: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	5.7	5.7	6.4	6.0	6.2	6.3	5.9	5.3	5.1	5.2	5.9	5.2	5.3	4.6	4.4	4.5	3.5	3.3	3.6	3.8	
Gender:																					
Male	6.6	6.8	7.3	6.9	7.3	7.1	6.5	6.0	6.0	6.2	6.8	5.9	5.6	5.1	4.9	5.0	3.9	3.3	3.6	4.3	
Female	4.8	4.7	5.4	5.1	5.1	5.4	5.3	4.6	4.2	4.2	5.1	4.6	4.9	4.1	3.8	3.9	3.1	3.3	3.3	3.4	
College Plans:																					
None or under 4 years	—	6.8	8.0	6.8	7.3	7.4	7.2	6.1	6.1	6.1	6.6	6.7	6.1	4.8	5.3	5.7	3.8	4.3	4.2	4.9	
Complete 4 years	—	4.6	4.7	4.9	5.0	5.1	4.8	4.6	4.3	4.3	5.4	4.3	4.8	4.6	3.9	4.0	3.5	3.0	3.3	3.5	
Region:																					
Northeast	6.1	6.5	6.6	6.8	7.0	5.7	7.2	5.6	5.6	6.7	7.3	5.7	6.0	3.7	4.7	4.1	3.2	3.7	4.6	3.5	
Midwest	6.2	6.2	7.5	6.7	6.1	7.6	6.2	5.5	5.3	4.8	6.3	5.8	5.2	4.4	5.7	4.6	4.2	3.6	3.2	4.7	
South	4.9	5.0	5.2	4.5	5.2	5.0	4.1	4.5	4.4	4.5	3.8	4.2	4.3	4.7	3.2	4.1	2.7	2.7	3.2	3.8	
West	5.4	5.0	6.0	6.7	7.1	6.8	7.2	6.2	5.2	5.3	7.1	5.4	6.1	5.7	4.9	5.3	4.4	3.5	4.0	3.1	
Population Density:																					
Large MSA	7.3	6.7	6.7	6.9	7.3	6.9	6.9	5.2	6.0	5.2	6.0	4.8	5.2	4.0	4.1	3.8	3.3	3.5	3.1	4.1	
Other MSA	5.5	6.1	6.3	5.9	6.3	7.0	6.3	5.7	5.3	5.1	6.4	5.6	5.3	5.2	4.9	4.6	3.9	3.1	3.7	3.7	
Non-MSA	4.8	4.6	6.2	5.4	5.3	4.8	4.8	4.9	4.1	5.2	5.2	5.0	5.2	4.4	3.8	4.8	3.1	3.6	3.7	3.6	
Parental Education: ^b																					
1.0–2.0 (Low)	5.4	5.0	5.1	5.0	5.2	5.2	4.8	4.8	4.8	4.7	4.5	4.7	4.1	3.9	3.6	3.8	3.8	3.5	3.8	3.0	
2.5–3.0	5.1	5.9	6.4	6.2	5.9	5.8	5.6	4.9	5.0	5.2	5.5	5.0	4.4	4.3	4.0	4.1	3.2	3.5	2.9	3.8	
3.5–4.0	4.2	6.3	6.7	6.0	6.3	6.9	6.6	5.2	4.5	5.1	6.5	6.0	5.6	4.3	4.6	4.6	3.7	3.2	3.7	3.4	
4.5–5.0	6.4	6.3	6.6	6.4	6.7	7.0	6.3	6.4	6.0	5.6	6.4	4.8	5.4	5.4	4.2	4.7	3.6	3.4	3.7	4.3	
5.5–6.0 (High)	6.5	6.5	7.9	6.1	7.8	6.8	6.8	7.1	5.3	4.9	6.8	5.4	7.8	5.6	6.4	5.7	4.1	3.2	4.5	4.8	
Race/Ethnicity (2-year average): ^c																					
White	—	—	6.6	6.7	6.6	6.8	6.7	6.2	5.8	5.7	6.3	6.3	6.0	5.8	5.3	5.2	4.7	4.1	4.1	4.3	
African American	—	—	2.2	2.0	1.8	1.7	1.9	1.8	1.7	1.6	1.6	1.7	1.6	1.5	1.5	1.4	1.1	0.9	1.0	1.5	
Hispanic	—	—	3.8	3.5	3.5	3.7	4.3	4.1	4.0	4.2	3.6	3.0	2.4	2.2	2.5	2.4	2.3	2.1	2.3	2.2	

(Table continued on next page.)

TABLE 54 (cont.)
NARCOTICS OTHER THAN HEROIN: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002 ^d	2003 ^d	2004	2005	2006	2007 ^e	2008	2009	2010	2011	2012	2013 ^g	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	4.7	5.4	6.2	6.3	6.7	7.0	6.7‡	9.4	9.3	9.5	9.0	9.0	9.2	9.1	9.2	8.7	8.7	7.9	7.1	6.1	-1.0 s
Gender:																					
Male	5.6	6.4	7.1	7.4	8.2	8.0	8.0‡	11.6	10.7	10.9	10.7	10.3	10.9	10.6	10.7	9.9	9.6	9.3	8.4	7.2	-1.3
Female	3.8	4.4	5.4	5.1	5.2	5.9	5.6‡	7.4	7.8	8.1	7.4	7.8	7.6	7.9	7.9	7.4	7.8	6.5	5.6	5.0	-0.6
College Plans:																					
None or under 4 years	5.6	7.0	8.2	8.4	7.0	7.8	7.5‡	12.4	12.3	12.4	12.2	12.4	12.9	13.1	11.0	12.3	13.2	9.7	10.1	7.3	-2.8 s
Complete 4 years	4.4	4.9	5.7	5.5	6.6	6.6	6.4‡	8.8	8.4	8.7	8.3	8.1	8.3	8.3	8.8	7.8	7.8	7.4	6.3	5.8	-0.6
Region:																					
Northeast	4.3	6.1	7.8	6.5	6.2	6.7	7.2‡	10.6	9.3	9.9	8.3	10.1	9.3	9.7	9.3	9.2	8.3	6.3	7.1	4.0	-3.1 ss
Midwest	5.2	6.0	6.1	6.5	7.5	7.2	7.8‡	8.8	9.1	8.7	10.7	9.9	10.5	10.0	11.6	9.0	9.7	9.1	6.8	6.3	-0.5
South	4.5	5.1	6.1	6.5	7.5	6.6	5.7‡	9.3	8.0	9.1	8.6	7.9	8.3	8.3	8.0	8.4	7.3	6.1	7.1	6.4	-0.7
West	4.7	4.1	4.7	5.2	4.7	7.5	6.5‡	9.5	11.4	11.1	8.3	8.9	9.2	9.0	8.2	8.4	10.2	10.0	7.4	7.1	-0.3
Population Density:																					
Large MSA	4.8	4.6	4.6	5.2	5.4	7.0	8.4‡	8.9	7.4	8.1	8.4	8.1	7.9	7.9	7.9	8.8	7.6	8.4	6.4	4.6	-1.8 s
Other MSA	4.7	5.4	7.2	6.8	7.4	7.2	5.6‡	10.3	10.3	10.7	9.3	9.0	9.3	9.0	9.4	9.0	9.0	7.4	7.9	7.4	-0.5
Non-MSA	4.7	6.0	6.0	6.5	6.8	6.6	6.9‡	8.5	9.7	8.9	9.1	10.4	10.7	10.7	10.6	7.7	9.6	8.3	6.1	4.8	-1.3
Parental Education: ^b																					
1.0–2.0 (Low)	4.0	4.5	4.7	4.7	4.6	4.6	5.1‡	6.2	7.9	6.8	5.2	6.1	7.1	7.1	6.1	5.2	6.6	7.2	5.5	5.8	+0.3
2.5–3.0	4.2	5.6	5.3	5.9	5.9	6.4	6.4‡	8.9	9.3	8.8	9.5	9.5	8.8	9.2	9.9	9.4	8.5	9.0	7.6	6.8	-0.8
3.5–4.0	4.4	5.5	6.5	6.8	7.2	7.3	7.1‡	10.4	9.8	10.8	10.5	10.3	9.5	9.9	9.9	10.0	10.1	8.4	8.3	6.1	-2.1 ss
4.5–5.0	5.5	5.4	6.8	6.2	7.4	7.9	7.0‡	10.3	9.5	10.5	9.3	9.1	9.9	9.0	9.9	8.1	8.1	8.0	6.6	5.8	-0.8
5.5–6.0 (High)	5.5	5.6	7.6	6.6	7.4	7.5	7.0‡	8.7	8.8	8.8	7.6	8.0	9.5	9.7	8.2	8.3	9.2	6.0	6.2	6.3	+0.2
Race/Ethnicity (2-year average): ^c																					
White	5.0	5.9	7.1	7.6	7.7	8.3	8.5	10.3‡	10.2 ^f	11.2	11.2	11.2	11.5	11.7	11.7	11.1	10.6	10.0	8.5	7.0	-1.5 s
African American	1.4	1.2	1.8	2.4	2.0	1.7	1.8	1.9‡	2.1 ^f	2.7	2.5	2.4	2.6	2.7	2.8	4.0	4.1	3.4	4.0	4.7	+0.6
Hispanic	2.5	3.7	3.1	2.8	3.6	4.6	4.5	4.3‡	5.2 ^f	5.5	5.3	5.0	4.5	4.2	4.7	5.1	5.4	5.5	5.7	5.4	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

See appendix B for details on how race/ethnicity is defined.

^dIn 2002 the question text was changed in half of the questionnaire forms. In the list of examples of narcotics other than heroin, Talwin, laudanum, and paregoric were replaced with Vicodin, OxyContin, and Percocet.

The 2002 data presented here are based on the changed forms only; N is one half of N indicated. In 2003 the remaining forms were changed to the new wording. Beginning in 2003, the data are based on all forms.

^eIn 2007, in the list of narcotics other than heroin, Dilaudid was replaced with Ultram.

^fThe 2003 data comprise half of the 2002 sample data double-weighted and all of the 2003 sample data.

^gIn 2013 the list of examples was changed on one form: MS Contin, Roxycodone, Hydrocodone (Lortab, Lorcet, Norco), Suboxone, Tylox, and Tramadol were added to the list. An examination of the data did not show any effect from the wording change.

TABLE 55
OXYCONTIN:^a Trends in Annual Prevalence of Use
by Subgroups in Grade 8

	Percentage who used in last 12 months															2013– 2014 change
	1991– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Approximate weighted N =	—	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600		
Total	—	1.3	1.7	1.7	1.8	2.6	1.8	2.1	2.0	2.1	1.8	1.6	2.0	1.0	-0.9 s	
Gender:																
Male	—	1.9	1.6	1.8	1.9	2.8	1.7	2.3	2.7	2.1	1.7	1.8	1.8	0.9	-0.8	
Female	—	0.9	1.7	1.6	1.7	2.2	2.0	1.8	1.4	2.2	1.8	1.2	2.2	1.2	-1.1 s	
College Plans:																
None or under 4 years	—	4.3	7.5	6.9	6.8	8.8	5.1	6.1	8.4	6.4	7.7	8.2	7.6	3.8	-3.8	
Complete 4 years	—	1.0	1.1	1.2	1.2	1.9	1.5	1.8	1.6	1.8	1.3	1.1	1.6	0.8	-0.8 ss	
Region:																
Northeast	—	1.0	1.2	1.1	1.7	1.6	1.1	0.8	1.2	1.6	1.3	0.8	3.0	0.8	-2.1 s	
Midwest	—	1.7	1.7	1.3	2.4	3.2	2.0	1.4	2.2	2.2	1.9	0.9	1.0	0.6	-0.4	
South	—	1.5	2.1	2.2	2.0	2.4	2.0	2.9	2.1	2.5	1.8	2.6	1.9	1.1	-0.8	
West	—	0.9	1.3	1.8	1.0	3.1	1.6	2.3	2.2	1.8	2.2	1.0	2.4	1.5	-1.0	
Population Density:																
Large MSA	—	1.2	1.1	0.9	1.1	1.3	0.9	1.7	0.7	1.3	0.8	1.8	1.4	0.8	-0.6	
Other MSA	—	1.4	1.7	2.6	2.3	3.1	2.2	2.2	2.3	2.3	2.7	1.3	2.0	1.2	-0.8	
Non-MSA	—	1.5	2.5	1.1	1.8	3.2	2.3	2.6	2.8	2.9	1.5	1.7	2.7	0.9	-1.8 s	
Parental Education: ^b																
1.0–2.0 (Low)	—	2.9	4.0	3.5	3.7	3.6	2.0	4.0	6.1	3.0	3.8	1.4	1.9	1.6	-0.3	
2.5–3.0	—	2.0	2.3	2.1	2.9	3.4	2.2	2.3	2.1	2.7	2.6	2.7	1.7	1.3	-0.4	
3.5–4.0	—	1.0	1.9	2.2	2.5	2.4	2.2	2.3	1.7	2.5	2.4	1.2	3.0	1.0	-2.0 s	
4.5–5.0	—	0.9	0.7	1.3	0.7	2.0	1.6	1.7	1.7	1.3	1.1	1.2	1.9	1.0	-0.9	
5.5–6.0 (High)	—	1.3	1.6	0.7	0.8	2.2	0.8	1.7	1.0	1.1	0.5	1.4	1.4	0.5	-0.9	
Race/Ethnicity (2-year average): ^c																
White	—	—	1.6	1.7	1.7	2.3	2.5	2.3	2.2	2.1	1.9	1.5	1.3	1.2	-0.1	
African American	—	—	0.9	0.6	1.0	1.4	1.2	1.4	1.6	1.5	1.3	1.5	1.8	1.0	-0.8	
Hispanic	—	—	1.3	2.8	2.6	2.4	2.3	1.5	1.8	2.2	2.6	2.1	1.9	1.9	0.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 56
OXYCONTIN: ^a Trends in Annual Prevalence of Use
by Subgroups in Grade 10

	Percentage who used in last 12 months															2013– 2014 change
	1991– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
	<i>Approximate weighted N =</i>															
Total	—	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	-0.4	
Gender:																
Male	—	3.6	4.3	3.8	3.4	3.7	4.2	3.8	5.6	4.9	3.8	3.2	4.7	2.8	-1.9 s	
Female	—	2.4	2.9	3.1	3.0	4.0	3.5	3.5	4.5	4.1	4.0	2.8	2.2	2.8	+0.6	
College Plans:																
None or under 4 years	—	6.5	10.8	7.2	8.0	11.0	8.8	10.2	12.6	13.9	11.8	9.1	6.1	6.9	+0.9	
Complete 4 years	—	2.5	2.5	3.0	2.6	2.9	3.2	2.9	4.2	3.5	2.9	2.4	3.1	2.5	-0.7	
Region:																
Northeast	—	3.6	3.7	4.6	3.8	3.1	2.8	3.2	3.6	4.4	4.5	3.0	3.1	1.0	-2.1 s	
Midwest	—	2.1	2.9	2.5	3.5	4.1	4.3	3.9	5.8	4.9	4.2	2.0	4.2	2.3	-1.9	
South	—	3.7	4.2	4.8	3.6	4.4	4.7	4.1	5.4	4.8	4.0	3.5	2.7	3.6	+0.9	
West	—	2.6	3.5	1.9	1.6	3.3	3.3	3.0	5.2	4.2	2.9	3.4	3.7	4.2	+0.6	
Population Density:																
Large MSA	—	2.0	2.3	2.1	2.8	3.4	3.5	2.5	4.5	4.2	2.9	2.3	3.2	2.6	-0.6	
Other MSA	—	3.3	3.6	3.7	2.7	3.3	3.5	4.1	5.8	4.3	3.6	2.6	3.4	2.5	-0.9	
Non-MSA	—	3.7	5.7	5.1	4.9	5.8	5.4	4.1	4.4	5.7	5.7	4.9	3.6	4.7	+1.1	
Parental Education: ^b																
1.0–2.0 (Low)	—	6.5	5.9	3.7	3.3	6.9	3.9	3.1	6.5	7.9	5.5	4.4	5.2	2.5	-2.7	
2.5–3.0	—	3.8	3.9	4.0	4.8	5.3	5.9	5.1	6.7	6.9	5.4	4.1	4.4	3.1	-1.3	
3.5–4.0	—	2.0	4.1	4.1	3.0	4.3	3.5	3.6	5.5	4.0	4.3	3.9	3.2	3.8	+0.6	
4.5–5.0	—	1.7	2.9	2.6	2.6	2.3	3.4	3.2	3.9	2.9	2.4	1.7	2.7	2.4	-0.3	
5.5–6.0 (High)	—	4.4	2.8	2.8	2.6	2.4	2.8	3.5	4.6	3.6	3.2	2.2	2.8	2.1	-0.7	
Race/Ethnicity (2-year average): ^c																
White	—	—	3.6	4.1	4.1	4.1	4.6	4.7	5.0	5.3	4.4	3.5	3.5	3.6	+0.1	
African American	—	—	2.3	2.0	1.1	1.5	1.8	1.5	1.7	2.4	2.9	1.8	1.5	2.1	+0.6	
Hispanic	—	—	2.5	2.9	2.3	1.8	1.9	1.8	2.9	4.0	4.4	3.6	1.9	1.9	-0.1	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.
 Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.
 See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms;
N is one third of *N* indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 57
OXYCONTIN: ^a Trends in Annual Prevalence of Use
by Subgroups in Grade 12

	Percentage who used in last 12 months														2013– 2014 change
	1975– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	4.0	4.5	5.0	5.5	4.3	5.2	4.7	4.9	5.1	4.9	4.3	3.6	3.3	-0.2
Gender:															
Male	—	5.6	6.2	6.1	7.4	5.3	6.3	5.3	6.5	5.9	5.9	5.1	4.7	4.3	-0.4
Female	—	2.6	2.8	3.4	3.5	2.9	4.0	4.0	3.4	3.8	3.8	3.1	2.5	2.2	-0.3
College Plans:															
None or under 4 years	—	7.0	8.8	8.2	9.9	7.4	7.8	7.6	6.7	10.2	9.7	5.2	6.0	4.5	-1.5
Complete 4 years	—	3.2	3.1	3.8	4.3	3.3	4.5	4.1	4.5	3.9	3.9	4.0	2.8	2.9	0.0
Region:															
Northeast	—	5.0	5.5	4.6	6.0	5.5	5.5	4.6	5.0	6.3	4.4	3.6	3.6	3.1	-0.4
Midwest	—	5.0	4.5	4.2	6.0	4.3	5.1	4.4	5.4	5.0	4.3	4.5	3.0	3.4	+0.4
South	—	3.6	4.0	5.9	6.3	4.0	5.2	4.9	4.3	4.8	5.0	4.3	4.1	4.4	+0.3
West	—	2.6	4.4	4.7	3.0	3.6	5.1	4.9	5.0	4.7	5.9	4.5	3.3	1.6	-1.7 s
Population Density:															
Large MSA	—	3.7	2.8	4.6	4.8	4.4	4.2	3.9	4.2	5.4	3.9	4.6	2.8	3.6	+0.9
Other MSA	—	3.8	5.3	5.2	5.1	3.6	5.4	5.0	5.2	4.8	5.2	4.0	4.2	3.4	-0.8
Non-MSA	—	4.7	5.2	4.9	7.1	5.4	6.2	5.1	5.2	5.3	6.0	4.6	3.1	2.7	-0.4
Parental Education: ^b															
1.0–2.0 (Low)	—	6.3	6.9	3.7	5.5	4.2	4.4	3.8	4.9	4.9	3.4	4.3	6.0	3.6	-2.4
2.5–3.0	—	5.3	6.8	4.8	6.3	4.4	5.6	4.5	4.6	5.5	4.8	4.2	3.4	3.0	-0.4
3.5–4.0	—	3.9	3.4	6.5	6.3	5.1	5.0	6.0	5.8	5.4	5.7	4.6	3.4	3.4	0.0
4.5–5.0	—	2.2	3.6	3.1	4.2	3.4	5.3	4.3	4.8	4.2	4.4	4.4	3.5	2.8	-0.7
5.5–6.0 (High)	—	4.0	2.5	4.3	4.8	3.5	4.3	3.8	4.1	4.7	5.0	3.5	2.2	4.1	+2.0
Race/Ethnicity (2-year average): ^c															
White	—	—	4.7	5.1	5.8	5.4	5.5	6.0	5.8	5.7	5.8	5.2	4.0	3.3	-0.7
African American	—	—	2.5	2.4	2.0	2.2	2.4	2.1	2.0	3.1	3.2	2.8	3.4	4.0	+0.6
Hispanic	—	—	2.5	2.2	3.0	3.7	3.2	2.1	2.9	3.5	3.0	3.2	3.4	2.7	-0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms in 2002–2005; *N* is two sixths of *N* indicated in Table S3. Data based on three of six forms beginning in 2006; *N* is three sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 58
VICODIN: ^a Trends in Annual Prevalence of Use
by Subgroups in Grade 8

	Percentage who used in last 12 months														2013– 2014 change
	1991– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	2.5	2.8	2.5	2.6	3.0	2.7	2.9	2.5	2.7	2.1	1.3	1.4	1.0	-0.3
Gender:															
Male	—	2.7	2.8	2.4	2.9	2.6	2.1	2.9	3.0	2.8	2.1	0.8	1.1	0.9	-0.2
Female	—	2.4	2.8	2.6	2.2	3.4	3.2	2.7	2.2	2.6	1.9	1.7	1.6	1.1	-0.5
College Plans:															
None or under 4 years	—	5.9	6.3	7.1	7.3	9.5	8.1	7.0	6.5	7.2	6.4	3.0	4.0	1.9	-2.1
Complete 4 years	—	2.1	2.4	2.0	1.9	2.4	2.1	2.5	2.3	2.2	1.8	1.2	1.2	0.9	-0.2
Region:															
Northeast	—	1.5	1.1	1.0	1.5	1.9	1.4	1.0	1.8	2.8	1.7	0.7	1.6	0.3	-1.4
Midwest	—	3.3	3.9	3.2	3.3	3.9	3.6	3.1	3.5	3.4	2.8	1.8	1.0	1.4	+0.5
South	—	2.5	2.1	2.1	2.3	2.2	2.1	2.9	1.7	1.8	1.5	1.5	1.1	0.6	-0.5
West	—	2.6	4.2	3.6	3.1	4.4	3.5	3.7	3.3	3.2	3.0	1.1	2.0	1.8	-0.2
Population Density:															
Large MSA	—	2.6	2.4	1.8	2.5	2.4	1.6	2.7	1.9	1.8	1.2	1.8	1.3	0.8	-0.4
Other MSA	—	3.0	3.1	3.0	2.6	3.3	3.4	3.0	2.6	3.2	2.7	1.0	1.4	1.2	-0.2
Non-MSA	—	1.6	2.5	2.4	2.6	3.3	2.8	2.8	3.2	2.8	2.4	1.6	1.5	1.0	-0.5
Parental Education: ^b															
1.0–2.0 (Low)	—	3.3	3.3	4.9	3.9	4.8	3.1	3.4	5.4	3.9	4.0	1.7	1.7	1.5	-0.2
2.5–3.0	—	3.9	3.4	4.1	3.8	4.0	3.0	3.3	3.8	3.3	3.0	1.2	1.1	0.9	-0.2
3.5–4.0	—	3.4	2.9	3.2	2.9	2.7	3.1	2.8	2.5	1.6	2.8	1.3	2.3	1.5	-0.8
4.5–5.0	—	1.4	2.1	1.1	1.9	2.6	2.4	3.2	1.5	2.7	1.4	1.3	1.4	0.8	-0.5
5.5–6.0 (High)	—	1.3	2.1	0.9	1.6	2.2	1.8	2.3	2.1	2.7	0.9	1.0	0.8	0.8	0.0
Race/Ethnicity (2-year average): ^c															
White	—	—	3.0	2.7	2.4	2.9	3.2	3.2	2.8	2.6	2.5	1.8	1.2	0.9	-0.3
African American	—	—	1.4	1.4	1.6	1.7	1.6	1.6	1.9	2.0	1.3	1.2	1.3	0.9	-0.5
Hispanic	—	—	2.1	3.3	3.6	2.8	2.6	2.1	2.5	3.0	2.8	2.1	1.9	1.8	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 59
VICODIN:^a Trends in Annual Prevalence of Use
by Subgroups in Grade 10

	Percentage who used in last 12 months														2013– 2014 change
	1991– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	6.9	7.2	6.2	5.9	7.0	7.2	6.7	8.1	7.7	5.9	4.4	4.6	3.4	-1.1
Gender:															
Male	—	7.4	8.4	6.2	5.5	7.0	7.5	7.1	9.2	8.1	6.0	4.5	5.1	2.9	-2.2 s
Female	—	6.1	6.1	6.0	6.2	6.9	6.8	6.4	7.0	7.0	5.8	4.4	4.1	3.9	-0.2
College Plans:															
None or under 4 years	—	13.4	15.8	11.6	13.2	17.2	15.2	16.5	17.6	16.9	14.1	8.8	9.3	7.1	-2.2
Complete 4 years	—	5.7	5.8	5.4	4.8	5.6	6.1	5.6	7.1	6.5	4.9	4.0	4.1	3.0	-1.1
Region:															
Northeast	—	6.2	5.6	6.4	5.7	4.9	6.5	5.3	5.1	5.6	4.6	3.3	3.5	2.4	-1.1
Midwest	—	7.2	9.4	6.4	7.1	8.7	8.8	8.4	10.5	9.3	8.1	4.6	5.8	4.4	-1.4
South	—	5.3	5.0	5.0	5.0	4.2	4.5	5.2	5.6	6.0	4.3	3.4	3.1	2.7	-0.4
West	—	10.0	9.1	7.1	5.8	11.1	9.4	7.9	12.1	10.1	6.6	6.6	6.0	4.4	-1.6
Population Density:															
Large MSA	—	5.7	7.1	4.8	6.5	6.1	6.8	6.2	7.7	7.1	5.7	4.3	4.8	3.9	-0.9
Other MSA	—	7.9	6.4	6.9	5.3	7.6	7.2	6.7	8.9	7.5	5.8	4.5	4.7	3.0	-1.8
Non-MSA	—	6.2	9.2	6.4	6.3	6.9	7.8	7.6	7.1	8.9	6.3	4.5	4.0	3.9	-0.1
Parental Education: ^b															
1.0–2.0 (Low)	—	6.1	6.4	6.4	4.9	7.6	6.5	6.3	10.4	12.1	5.8	6.6	8.2	3.0	-5.2 s
2.5–3.0	—	8.0	8.3	8.2	7.7	8.0	8.6	7.5	9.1	9.6	7.5	5.8	4.4	3.5	-1.0
3.5–4.0	—	7.5	8.5	6.2	6.8	8.1	8.2	7.9	9.0	8.9	7.3	4.9	5.3	5.1	-0.2
4.5–5.0	—	5.7	6.3	5.1	5.0	5.6	7.0	6.0	7.3	4.5	4.3	3.6	3.7	2.4	-1.2
5.5–6.0 (High)	—	6.6	5.6	5.0	4.6	6.3	4.7	5.7	6.0	5.8	4.1	3.1	3.7	2.7	-1.1
Race/Ethnicity (2-year average): ^c															
White	—	—	8.0	7.6	7.1	7.4	8.3	8.5	8.3	8.3	7.2	5.3	4.7	4.8	+0.1
African American	—	—	3.1	3.0	1.6	2.2	2.4	2.2	2.7	3.4	3.0	1.7	1.9	2.4	+0.5
Hispanic	—	—	6.5	6.0	4.8	4.4	4.2	4.1	6.2	8.2	7.3	5.6	4.6	3.3	-1.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available.

Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms;

N is one third of *N* indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 60
VICODIN:^a Trends in Annual Prevalence of Use
by Subgroups in Grade 12

	Percentage who used in last 12 months														2013– 2014 change
	1975– 2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	9.6	10.5	9.3	9.5	9.7	9.6	9.7	9.7	8.0	8.1	7.5	5.3	4.8	-0.5
Gender:															
Male	—	12.0	13.0	10.7	11.9	10.9	10.9	10.6	11.5	9.5	9.0	8.6	6.5	5.5	-1.0
Female	—	7.5	8.1	7.6	7.2	8.7	8.1	8.9	7.9	6.4	7.1	5.9	4.1	3.8	-0.3
College Plans:															
None or under 4 years	—	13.0	14.7	11.6	14.3	11.8	13.2	15.0	13.1	12.0	13.2	9.2	8.3	5.7	-2.6
Complete 4 years	—	8.4	9.1	8.3	8.4	9.1	8.5	8.5	8.9	7.1	7.1	6.8	4.5	4.4	-0.2
Region:															
Northeast	—	8.1	9.4	9.1	8.8	10.8	9.3	9.9	9.0	9.0	5.8	5.4	5.4	3.2	-2.1
Midwest	—	11.6	13.2	8.4	12.4	12.0	14.1	11.7	14.3	9.6	9.6	9.7	6.7	7.4	+0.8
South	—	8.1	6.1	7.0	7.8	6.9	6.3	7.3	6.2	5.0	5.6	4.9	3.1	3.6	+0.6
West	—	10.9	16.3	15.4	9.3	11.2	10.9	11.1	10.4	10.6	11.9	9.7	7.1	5.7	-1.5
Population Density:															
Large MSA	—	9.7	7.3	8.3	8.9	10.4	9.1	8.4	8.6	8.4	8.7	8.7	5.5	4.2	-1.3
Other MSA	—	10.6	12.2	10.9	9.3	9.4	9.3	10.0	9.7	8.5	8.2	6.8	5.5	5.3	-0.1
Non-MSA	—	7.8	11.4	7.2	10.6	9.5	10.7	10.5	11.3	6.2	7.2	7.3	4.6	4.3	-0.3
Parental Education: ^b															
1.0–2.0 (Low)	—	12.1	9.4	7.8	7.8	7.9	6.3	7.8	9.6	6.0	8.6	6.8	6.0	4.9	-1.1
2.5–3.0	—	9.6	10.8	8.8	10.5	9.3	10.2	10.5	9.2	8.5	7.6	9.0	5.0	5.0	0.0
3.5–4.0	—	9.5	12.0	10.1	10.0	11.6	9.9	11.2	10.9	8.3	9.0	7.8	6.5	4.1	-2.4 s
4.5–5.0	—	9.9	9.7	8.4	9.0	8.6	10.5	8.8	10.3	7.9	7.3	7.1	5.3	5.1	-0.2
5.5–6.0 (High)	—	8.6	8.8	10.1	8.9	10.4	7.9	8.8	7.7	8.4	7.7	5.5	3.4	4.8	+1.4
Race/Ethnicity (2-year average): ^c															
White	—	—	11.7	11.2	10.5	11.3	11.5	11.6	11.8	10.4	9.4	8.7	6.6	5.0	-1.7
African American	—	—	3.3	3.1	3.3	3.7	3.3	3.6	4.3	4.3	4.1	3.8	3.2	2.7	-0.5
Hispanic	—	—	7.1	7.2	7.7	6.5	5.7	4.9	5.7	6.2	6.0	7.1	7.1	4.7	-2.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms in 2002–2005; *N* is two sixths of *N* indicated in Table S3. Data based on three of six forms beginning in 2006; *N* is three sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 61
AMPHETAMINES: ^aTrends in Annual Prevalence of Use
by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	6.2	6.5	7.2	7.9	8.7	9.1	8.1	7.2	6.9	6.5	6.7	5.5	5.5	4.9	4.9	4.7	4.2	4.5	4.1	3.9	3.5	2.9‡	4.2	4.3	+0.1
Gender:																									
Male	5.5	5.2	5.6	6.5	7.0	6.7	6.6	5.6	5.6	5.1	5.7	4.8	4.4	3.7	3.5	3.5	3.3	3.5	3.7	3.4	3.1	2.4‡	3.5	3.4	-0.1
Female	6.9	7.9	8.8	9.3	10.3	11.3	9.6	8.7	8.2	7.7	7.5	6.2	6.5	6.1	6.2	5.7	4.9	5.5	4.4	4.3	3.8	3.3‡	4.8	4.8	0.0
College Plans:																									
None or under 4 years	11.6	12.9	14.6	14.5	17.1	15.5	14.1	15.4	14.0	14.2	12.0	12.2	12.4	8.9	11.2	10.7	10.0	12.4	10.8	8.8	8.1	6.8‡	8.7	10.4	+1.7
Complete 4 years	5.4	5.7	6.3	7.0	7.6	8.3	7.5	6.3	6.2	5.7	6.1	4.8	4.8	4.5	4.3	4.1	3.6	3.8	3.5	3.5	3.1	2.6‡	3.9	3.7	-0.1
Region:																									
Northeast	5.1	4.3	5.9	6.9	7.3	7.6	6.5	5.5	5.6	5.0	5.5	3.4	4.1	2.8	3.5	2.2	2.6	2.6	2.9	2.0	2.3	2.1‡	2.6	3.3	+0.6
Midwest	7.1	8.0	7.3	7.8	10.6	10.8	9.3	7.2	8.3	7.8	7.1	5.9	5.9	5.1	5.0	5.3	4.8	5.1	4.1	4.0	3.5	2.2‡	4.0	3.8	-0.2
South	6.1	6.6	7.3	8.3	8.6	8.7	8.1	8.4	7.5	7.0	8.1	6.7	6.4	5.7	5.8	5.6	4.6	5.5	5.1	4.8	3.8	4.0‡	5.3	4.4	-0.9
West	6.0	6.6	8.6	8.4	7.9	9.1	8.3	6.7	5.4	5.4	4.6	4.7	4.6	4.9	4.6	4.3	3.7	3.8	3.0	3.6	3.9	2.2‡	3.8	5.2	+1.4
Population Density:																									
Large MSA	5.8	4.8	5.6	6.6	7.2	7.9	6.4	5.4	5.2	5.2	5.0	4.2	3.9	4.0	3.6	3.9	3.4	4.1	2.7	2.6	2.6	2.6‡	3.8	3.3	-0.5
Other MSA	6.2	7.5	8.2	8.8	8.9	10.0	8.1	7.4	6.8	6.4	7.6	5.9	5.5	5.4	5.8	4.8	4.6	4.8	4.8	4.6	4.1	3.1‡	4.3	4.7	+0.4
Non-MSA	6.7	7.0	7.5	7.5	10.1	8.9	9.9	8.8	9.3	8.5	6.9	6.3	7.5	5.0	5.2	5.4	4.4	4.4	4.3	3.9	3.6	3.0‡	4.8	4.8	0.0
Parental Education: ^b																									
1.0–2.0 (Low)	8.3	8.4	10.2	11.2	11.8	10.1	9.6	11.2	8.9	9.7	7.4	6.3	8.4	9.7	8.3	6.5	7.3	7.9	6.5	5.9	5.1	3.8‡	6.0	5.3	-0.6
2.5–3.0	6.6	7.3	8.2	9.0	10.6	9.9	9.2	8.1	7.8	8.1	8.2	7.3	7.4	5.2	6.6	6.0	4.9	6.0	4.5	4.6	5.4	3.7‡	5.0	5.3	+0.3
3.5–4.0	6.7	7.4	7.8	8.5	10.1	10.3	8.9	7.7	8.2	6.8	7.8	5.7	5.9	5.6	5.6	5.0	4.5	5.4	5.3	4.1	3.8	3.4‡	6.1	4.8	-1.3
4.5–5.0	5.3	5.5	6.4	6.6	6.8	8.6	7.5	6.2	5.6	5.2	5.9	4.9	4.3	4.2	3.7	4.2	2.9	3.2	3.3	3.5	2.5	1.9‡	3.5	3.2	-0.2
5.5–6.0 (High)	5.7	5.4	5.3	5.7	6.4	8.7	7.3	6.4	5.8	5.2	4.5	4.3	3.9	3.5	3.1	3.6	3.5	3.4	2.8	2.5	2.4	2.6‡	2.3	3.6	+1.3
Race/Ethnicity (2-year average): ^c																									
White	—	6.8	7.4	8.1	9.3	10.2	9.9	9.0	8.4	8.0	7.8	7.2	6.4	5.9	5.4	5.3	4.9	4.9	4.9	4.5	3.9	3.2	2.7‡	3.9	—
African American	—	3.3	3.4	3.9	3.9	3.4	3.0	2.8	2.7	2.4	2.3	2.7	2.5	2.1	2.2	2.0	1.7	1.8	2.4	2.3	1.9	1.9	1.6‡	3.2	—
Hispanic	—	7.2	7.7	8.6	8.7	8.6	8.1	7.2	7.0	6.8	6.6	5.9	5.0	5.4	5.3	4.5	3.9	4.0	3.9	3.5	3.9	3.6	2.6‡	4.5	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2010 the remaining forms were changed in a like manner. In 2013 the question wording was changed two of the 8th and 10th grade questionnaires. The new wording in 2013 asked "On how many occasions (if any) have you taken amphetamines or other prescription stimulant drugs..." In contrast, the old wording did not include "or other prescription stimulant drugs." Results in 2013 indicated higher prevalence in questionnaires with the new as compared to the old wording; it was proportionally 61% higher in 8th grade and 34% higher in 10th grade. 2013 data are based on the changed forms only; N is one half of N indicated. In 2014 all questionnaires included the new, updated wording.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details

on how race/ethnicity is defined. 2013 race/ethnicity data are based on the 2012 data combined with the 2013 data from the unchanged forms which were double weighted. The 2014 race/ethnicity data are based on the 2013 changed data which were double weighted and the 2014 data.

TABLE 62
AMPHETAMINES: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	8.2	8.2	9.6	10.2	11.9	12.4	12.1	10.7	10.4	11.1	11.7	10.7	9.0	8.5	7.8	7.9	8.0	6.4	7.1	7.6	6.6	6.5‡	7.9	7.6	-0.3
Gender:																									
Male	7.0	7.0	8.2	8.6	9.6	10.5	10.3	9.0	9.2	10.3	10.6	9.6	7.8	7.3	6.6	6.7	7.4	5.8	6.8	7.4	7.2	6.9‡	8.3	6.9	-1.4
Female	9.3	9.3	10.9	11.7	14.1	14.2	13.9	12.3	11.5	11.8	12.7	11.8	10.1	9.6	9.0	8.9	8.7	6.9	7.4	7.7	6.0	6.2‡	7.5	8.3	+0.8
College Plans:																									
None or under 4 years	13.4	14.4	15.5	16.6	19.9	20.3	19.3	17.9	16.3	18.2	20.4	17.5	15.7	14.8	13.7	14.8	15.4	12.5	15.3	15.7	14.6	13.8‡	11.5	14.7	+3.2
Complete 4 years	7.1	6.9	8.4	8.9	10.6	11.1	10.9	9.5	9.5	10.0	10.3	9.7	7.9	7.6	7.0	7.0	7.1	5.6	6.3	6.7	5.7	5.8‡	7.6	6.9	-0.7
Region:																									
Northeast	6.1	5.4	7.8	8.7	9.8	11.5	10.7	11.0	12.1	9.8	10.5	9.3	7.4	8.5	7.4	6.7	7.3	4.2	5.2	5.9	5.7	6.2‡	6.2	6.6	+0.4
Midwest	10.3	9.4	9.5	10.5	13.3	14.0	11.0	9.8	10.3	11.1	10.7	10.4	9.7	8.2	8.5	8.7	8.7	7.3	7.0	8.6	7.4	6.4‡	8.5	8.7	+0.2
South	8.1	8.7	10.9	11.2	12.8	12.6	14.2	12.6	10.8	12.0	14.0	12.2	10.2	9.6	8.6	8.5	8.1	6.8	8.3	7.6	7.2	7.5‡	9.0	7.9	-1.0
West	7.7	8.4	9.5	9.4	10.6	10.6	11.1	8.5	8.2	10.9	9.9	9.6	8.1	7.3	5.8	7.1	7.7	6.6	7.4	8.1	5.6	5.2‡	7.3	7.0	-0.3
Population Density:																									
Large MSA	7.5	6.7	7.6	8.0	9.2	10.5	9.9	8.9	9.3	10.7	9.8	9.8	6.2	6.2	6.5	6.8	7.5	5.4	6.3	6.9	6.0	5.9‡	7.5	7.3	-0.3
Other MSA	7.9	8.0	9.5	10.8	12.8	12.8	11.5	10.3	10.6	9.9	11.1	11.0	9.5	9.6	8.0	8.3	8.0	6.6	7.7	8.0	6.4	6.5‡	8.4	7.3	-1.1
Non-MSA	9.3	10.0	11.6	11.2	13.3	13.7	15.5	13.8	11.5	13.6	15.1	11.2	12.2	9.2	9.0	8.7	9.0	7.2	7.3	8.1	8.0	7.3‡	7.3	8.9	+1.7
Parental Education: ^b																									
1.0–2.0 (Low)	10.0	11.9	12.3	10.8	14.3	15.1	12.2	12.6	10.7	13.3	12.3	13.1	10.9	9.2	8.9	9.3	7.9	7.8	9.8	9.6	6.6	9.8‡	10.9	9.5	-1.3
2.5–3.0	9.7	8.9	10.5	11.6	14.2	13.0	14.1	12.8	11.3	12.9	13.6	12.8	11.2	9.9	8.9	9.0	10.2	7.6	8.0	8.5	7.9	6.8‡	9.9	8.7	-1.2
3.5–4.0	7.9	8.4	10.5	11.1	12.4	14.1	13.5	11.1	11.2	12.2	12.6	11.1	9.9	10.1	8.1	9.1	8.9	7.7	7.8	8.3	7.3	6.7‡	8.2	8.7	+0.4
4.5–5.0	7.4	6.6	7.5	8.9	10.7	10.7	10.6	9.0	9.8	9.7	10.5	9.5	7.6	7.2	7.4	6.6	6.9	5.4	6.0	6.9	5.8	6.1‡	7.3	6.5	-0.8
5.5–6.0 (High)	6.9	6.9	8.3	7.3	8.8	10.1	9.2	9.4	9.8	8.8	9.2	8.1	6.4	6.3	6.6	6.8	6.0	4.3	6.5	6.3	5.3	5.7‡	5.6	6.2	+0.5
Race/Ethnicity (2-year average): ^c																									
White	—	9.4	10.1	11.0	12.4	13.9	14.2	13.6	12.6	12.7	13.4	13.4	12.2	10.6	9.5	9.2	9.4	8.7	7.8	8.5	8.3	7.4	7.1‡	8.5	—
African American	—	2.8	3.0	4.0	4.0	3.4	3.1	2.9	2.8	2.5	2.9	3.5	2.8	2.7	3.0	2.8	2.3	2.3	2.3	2.8	3.0	2.9	2.6‡	5.3	—
Hispanic	—	6.2	7.0	7.7	8.9	10.3	9.8	8.9	8.8	9.1	8.3	7.9	7.7	7.3	7.3	6.3	5.8	6.0	6.1	6.3	6.1	6.1	4.7‡	7.4	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. — indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2010 the remaining forms were changed in a like manner. In 2013 the question wording was changed two of the 8th and 10th grade questionnaires. The new wording in 2013 asked "On how many occasions (if any) have you taken amphetamines or other prescription stimulant drugs..." In contrast, the old wording did not include "or other prescription stimulant drugs." Results in 2013 indicated higher prevalence in questionnaires with the new as compared to the old wording; it was proportionally 61% higher in 8th grade and 34% higher in 10th grade. 2013 data are based on the changed forms only; N is one half of N indicated. In 2014 all questionnaires included the new, updated wording.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details

on how race/ethnicity is defined. 2013 race/ethnicity data are based on the 2012 data combined with the 2013 data from the unchanged forms which were double weighted. The 2014 race/ethnicity data are based on the 2013 changed data which were double weighted and the 2014 data.

TABLE 63
AMPHETAMINES: ^{a,b} Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	16.2	15.8	16.3	17.1	18.3	20.8	26.0	20.3	17.9	17.7	15.8	13.4	12.2	10.9	10.8	9.1	8.2	7.1	8.4	9.4
Gender:																				
Male	15.6	15.8	16.0	16.9	18.4	19.7	24.8	19.6	17.2	16.8	14.9	12.7	11.8	10.8	11.1	9.4	8.3	7.2	8.2	9.2
Female	16.5	15.4	16.4	17.1	17.8	21.8	26.9	20.3	17.9	18.2	16.4	13.8	12.4	10.9	10.5	8.6	7.9	6.9	8.5	9.4
College Plans:																				
None or under 4 years	—	19.3	20.5	20.0	21.8	25.8	30.9	23.7	20.9	22.2	19.7	17.7	16.0	13.9	15.1	12.6	11.0	9.7	11.0	13.4
Complete 4 years	—	11.9	11.5	13.7	14.5	16.5	22.3	16.8	14.5	14.2	13.3	10.9	10.2	9.5	9.1	7.4	7.0	6.1	7.6	8.0
Region:																				
Northeast	16.5	14.7	16.8	19.6	22.0	22.0	28.8	21.5	17.9	19.0	16.8	12.6	10.4	8.4	9.0	6.3	6.5	6.2	8.1	7.4
Midwest	18.7	17.8	19.0	18.2	18.3	22.2	30.1	24.1	20.4	20.3	17.3	15.2	13.5	12.2	13.3	10.7	10.1	8.4	8.9	12.0
South	12.6	13.7	13.2	14.0	14.0	17.7	19.6	16.4	15.4	15.1	12.8	11.5	11.5	10.8	9.9	8.9	7.9	6.7	8.3	9.0
West	18.5	17.2	16.0	17.8	20.7	22.1	26.6	18.7	18.2	16.9	17.3	15.0	13.4	11.8	11.1	10.2	7.8	6.9	8.3	8.4
Population Density:																				
Large MSA	19.6	15.4	15.3	17.7	19.5	21.9	28.0	21.6	18.1	17.7	15.0	11.2	10.9	8.8	7.1	6.5	6.2	6.0	6.5	7.8
Other MSA	15.5	16.3	17.1	17.5	18.9	20.8	25.5	20.7	19.6	17.1	15.7	14.2	11.9	11.9	11.4	9.6	8.4	6.7	8.5	9.4
Non-MSA	14.8	15.4	15.9	16.0	16.6	19.9	25.1	18.8	15.6	18.5	16.6	14.1	14.0	11.3	13.3	10.6	9.5	9.0	9.8	10.9
Parental Education: ^c																				
1.0–2.0 (Low)	15.7	13.4	14.5	14.9	16.0	19.1	22.3	18.7	15.7	17.1	14.5	11.9	11.9	9.8	10.4	7.6	9.5	7.0	9.0	10.4
2.5–3.0	16.7	16.9	17.4	17.3	18.4	22.2	26.7	21.9	19.6	19.2	17.0	15.2	13.3	11.1	11.7	9.7	9.1	7.7	8.6	10.3
3.5–4.0	14.9	16.6	16.1	18.2	19.6	21.5	26.9	21.7	19.4	18.5	17.2	14.3	12.6	11.8	12.3	10.6	8.9	7.7	9.1	9.4
4.5–5.0	14.5	16.8	15.9	16.9	17.1	20.0	26.2	19.1	18.9	15.9	15.1	12.0	11.7	10.3	9.4	8.1	6.5	6.3	8.0	9.5
5.5–6.0 (High)	12.0	14.6	16.0	17.2	20.4	17.9	26.8	20.5	16.1	14.0	10.9	10.1	10.4	10.0	9.1	7.3	5.7	5.8	7.6	7.1
Race/Ethnicity (2-year average): ^d																				
White	—	—	17.3	18.2	19.2	21.3	26.4	23.6	22.3	20.5	18.9	16.4	14.3	13.0	12.4	11.4	9.8	8.8	9.0	10.4
African American	—	—	5.3	4.7	4.2	5.3	5.8	6.0	5.7	4.7	4.3	4.0	3.8	3.9	3.6	3.1	2.7	2.2	2.3	3.4
Hispanic	—	—	12.3	12.2	12.8	14.5	17.5	12.3	11.5	13.2	14.6	10.8	8.7	9.6	9.0	7.0	6.1	6.0	6.2	6.4

(Table continued on next page.)

TABLE 63 (cont.)
AMPHETAMINES: ^{a,b} Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	9.3	9.5	10.2	10.1	10.2	10.5	10.9	11.1	9.9	10.0	8.6	8.1	7.5	6.8	6.6	7.4	8.2	7.9†	9.2	8.1	-1.1
Gender:																					
Male	9.5	9.6	10.1	10.3	10.6	10.4	10.9	11.3	9.8	9.9	9.1	7.4	7.4	6.5	7.5	8.3	8.8	8.2†	10.0	8.8	-1.2
Female	8.9	8.8	10.2	9.8	9.6	10.5	10.6	10.7	9.5	9.9	7.9	8.5	7.3	6.8	5.7	6.4	7.4	7.5†	7.9	7.3	-0.6
College Plans:																					
None or under 4 years	12.3	12.8	14.1	13.6	12.7	13.9	14.4	14.8	14.4	13.3	11.5	10.6	10.3	10.7	8.4	10.5	11.6	8.9†	13.1	9.5	-3.6 s
Complete 4 years	8.3	8.4	8.9	9.0	9.5	9.6	9.8	10.1	8.4	8.9	7.8	7.5	6.7	5.7	6.1	6.7	7.4	7.6†	8.4	7.6	-0.9
Region:																					
Northeast	9.6	10.4	11.1	9.0	9.9	10.6	12.0	11.5	9.7	9.5	7.4	8.5	7.5	6.5	6.7	8.6	7.1	7.0†	8.1	7.1	-1.0
Midwest	9.5	10.0	10.8	11.0	10.5	10.4	12.7	11.3	10.3	10.2	10.3	7.6	8.2	6.9	7.8	8.1	8.6	9.0†	10.7	8.9	-1.8
South	9.2	9.1	9.8	10.4	10.8	10.2	9.5	11.7	9.7	10.3	9.4	8.8	7.9	7.1	6.5	6.9	8.1	7.0†	9.3	8.9	-0.3
West	8.9	8.3	9.1	9.6	8.8	10.9	9.7	9.6	9.7	9.5	6.1	7.0	5.8	6.3	5.2	6.5	8.7	8.5†	8.5	7.0	-1.4
Population Density:																					
Large MSA	9.1	7.9	8.9	9.0	7.0	8.3	10.6	10.7	7.5	8.0	7.8	8.7	6.7	6.2	6.3	6.8	7.4	9.2†	8.5	7.5	-1.0
Other MSA	8.5	8.9	9.5	9.9	10.8	10.9	10.8	11.0	10.5	10.6	8.9	7.6	7.4	6.7	7.0	8.0	8.7	7.8†	10.2	9.0	-1.3
Non-MSA	10.8	11.9	13.0	12.2	12.4	12.4	11.4	12.1	11.7	11.1	8.9	8.2	8.6	7.5	6.2	6.8	8.1	6.1†	7.9	7.0	-0.9
Parental Education: ^c																					
1.0–2.0 (Low)	9.9	8.1	9.8	9.7	9.9	11.0	8.9	8.1	10.6	7.5	6.1	8.2	7.5	7.3	5.5	5.0	6.8	6.0†	7.9	6.8	-1.0
2.5–3.0	9.9	10.5	10.3	10.6	11.3	11.0	12.2	11.4	9.9	11.0	9.2	8.2	7.6	7.3	7.3	7.2	8.1	7.8†	10.1	8.9	-1.2
3.5–4.0	9.1	9.3	10.8	11.4	10.8	10.6	11.6	12.3	10.7	12.3	9.5	8.9	7.6	6.5	7.3	7.9	8.3	8.0†	9.0	7.8	-1.2
4.5–5.0	9.2	8.9	9.4	9.4	9.7	10.3	10.7	11.1	9.4	8.2	8.5	7.8	7.4	6.2	6.3	8.1	7.6	8.7†	10.0	8.5	-1.5
5.5–6.0 (High)	8.1	9.1	10.2	8.7	8.4	10.2	8.7	10.2	7.7	8.4	7.4	7.0	7.1	7.1	5.6	7.5	9.7	8.4†	9.3	8.6	-0.7
Race/Ethnicity (2-year average): ^d																					
White	10.7	10.5	11.4	12.1	11.9	11.9	12.6	13.2	12.4	11.6	11.0	9.9	9.3	8.7	8.1	8.6	9.6	10.0	10.1†	9.8	—
African American	3.4	2.9	2.8	2.8	2.5	2.6	3.0	2.9	2.8	2.4	2.4	2.6	2.5	2.2	2.3	2.8	2.9	2.9	3.3†	5.9	—
Hispanic	7.1	7.8	7.3	7.0	7.6	9.2	9.2	7.9	6.8	7.0	6.7	6.4	5.8	4.7	4.4	4.4	4.8	4.7	6.3†	6.9	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' † ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. In 2013 the question wording was changed slightly in four of the six questionnaire forms. Vyvanse was added to the list of examples in one questionnaire form. 2013 data presented here are based on the unchanged forms only; N is two sixths of N indicated.

^aOnly drug use not under a doctor's orders is included here.

^bBeginning in 1982, the question about amphetamine use was revised to get respondents to exclude the inappropriate reporting of nonprescription amphetamines. The prevalence rate dropped slightly as a result of this methodological change. (In 1982 and 1983, the data are based on three of the five questionnaire forms.) Only drug use not under a doctor's orders is included here. In 2009, the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2010 the remaining forms were changed in a like manner. In 2011 bennies, Benzedrine, and Methadrine were deleted from the list of examples in one questionnaire form. An examination of the data did not show any effect from the wording changes. In 2013 the question wording was changed in three of the 12th grade questionnaires. The new wording in 2013 asked "On how many occasions (if any) have you taken amphetamines or other prescription stimulant drugs..." In contrast, the old wording did not include "or other prescription stimulant drugs." Results in 2013 indicated higher prevalence in questionnaires with the new as compared to the old wording; it was proportionally 21% higher in 12th grade. 2013 data are based on the changed forms only; N is one half of N indicated. In 2014 all questionnaires included the new, updated wording.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined. 2013 race/ethnicity data are based on the 2012 data combined with the 2013 data from the unchanged forms which were triple weighted. The 2014 race/ethnicity data are based on the 2013 changed data which were double weighted and the 2014 data.

TABLE 64
RITALIN: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months															2013– 2014 change
	1991– 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	2.9	2.8	2.6	2.5	2.4	2.6	2.1	1.6	1.8	1.5	1.3	0.7	1.1	0.9	-0.2
Gender:																
Male	—	3.2	3.2	2.9	2.6	2.4	2.7	1.9	1.5	2.4	1.5	1.1	0.5	1.3	0.8	-0.5
Female	—	2.6	2.5	2.3	2.4	2.4	2.5	2.3	1.5	1.4	1.5	1.3	0.8	0.8	1.0	+0.1
College Plans:																
None or under 4 years	—	8.1	7.7	6.8	8.8	7.5	9.0	4.2	5.7	5.3	5.8	3.7	3.0	3.2	4.6	+1.4
Complete 4 years	—	2.4	2.2	2.1	1.8	1.8	1.9	1.8	1.2	1.6	1.1	1.1	0.5	0.9	0.6	-0.3
Region:																
Northeast	—	1.5	2.8	1.7	1.6	2.0	2.0	0.9	0.4	1.2	1.8	1.5	0.1	1.3	1.3	0.0
Midwest	—	3.0	3.0	2.9	2.4	1.9	3.2	2.4	2.0	2.3	1.8	1.2	0.1	0.7	0.2	-0.5
South	—	3.5	2.8	2.9	3.0	3.0	2.5	2.5	2.2	1.5	1.4	1.4	1.4	1.2	0.9	-0.3
West	—	2.9	2.5	2.2	2.5	2.1	2.7	1.6	1.2	2.2	1.2	1.0	0.5	1.3	1.4	+0.2
Population Density:																
Large MSA	—	2.2	2.3	2.3	1.7	1.5	2.3	1.2	1.1	1.6	1.1	0.8	0.8	0.9	1.0	0.0
Other MSA	—	2.9	3.1	2.8	3.0	3.4	3.0	2.7	1.8	1.9	1.9	1.8	0.8	1.2	1.0	-0.3
Non-MSA	—	3.5	2.8	2.4	2.4	1.7	2.3	2.0	1.9	2.0	1.3	0.9	0.2	1.0	0.8	-0.2
Parental Education: ^b																
1.0–2.0 (Low)	—	4.8	5.3	2.5	4.2	5.2	6.5	1.9	4.4	4.6	2.3	2.7	0.7	2.3	2.0	-0.3
2.5–3.0	—	3.3	4.0	2.8	2.9	2.7	3.1	2.3	2.2	2.2	1.4	1.6	0.8	1.2	0.7	-0.5
3.5–4.0	—	3.5	3.3	3.3	2.7	2.7	2.6	2.4	1.7	2.1	0.5	1.5	1.1	1.2	1.0	-0.1
4.5–5.0	—	2.4	1.5	1.8	2.1	1.5	2.0	1.8	1.0	1.3	1.4	0.9	0.3	1.2	1.0	-0.2
5.5–6.0 (High)	—	2.1	1.7	2.1	1.9	1.6	1.2	1.8	0.7	1.4	1.6	0.8	0.6	0.4	0.4	0.0
Race/Ethnicity (2-year average): ^c																
White	—	—	3.0	2.8	2.7	2.5	2.6	2.4	1.9	1.7	1.7	1.4	1.0	0.7	0.8	+0.1
African American	—	—	1.0	1.3	1.5	1.6	1.8	1.8	1.8	1.3	1.0	1.1	1.0	1.4	1.2	-0.1
Hispanic	—	—	3.8	2.7	2.5	3.3	3.1	2.8	2.1	1.5	1.5	1.3	1.2	1.3	1.3	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 65
RITALIN: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months															2013– 2014 change
	1991– 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	4.8	4.8	4.1	3.4	3.4	3.6	2.8	2.9	3.6	2.7	2.6	1.9	1.8	1.8	+0.1
Gender:																
Male	—	5.2	4.9	4.2	3.6	3.2	3.7	2.6	3.0	3.8	3.1	2.9	2.8	2.5	2.2	-0.3
Female	—	4.3	4.6	3.8	3.0	3.5	3.7	2.9	2.9	3.4	2.1	2.5	1.0	1.2	1.5	+0.3
College Plans:																
None or under 4 years	—	7.2	10.2	11.0	5.5	6.7	9.1	6.0	8.6	9.3	6.2	7.3	4.5	3.7	6.0	+2.4
Complete 4 years	—	4.3	3.8	2.9	3.0	2.9	2.8	2.3	2.3	3.0	2.2	2.1	1.6	1.6	1.4	-0.2
Region:																
Northeast	—	5.5	3.6	3.8	4.5	4.1	3.0	2.8	3.3	4.0	2.2	3.5	2.1	1.8	1.6	-0.2
Midwest	—	4.6	4.8	4.2	2.7	4.8	4.0	3.6	3.1	4.6	3.2	2.9	2.1	1.9	2.2	+0.3
South	—	5.3	5.2	4.2	3.8	3.0	3.4	3.0	3.0	3.5	2.7	2.4	1.9	1.6	1.7	+0.1
West	—	3.1	5.1	3.9	2.4	1.4	4.2	1.6	2.4	2.3	2.4	2.1	1.2	1.9	1.9	0.0
Population Density:																
Large MSA	—	4.3	3.6	4.0	2.6	4.0	2.8	2.9	2.0	3.3	3.0	2.8	2.0	1.7	1.7	0.0
Other MSA	—	4.6	5.8	3.7	3.6	3.3	4.1	2.5	3.3	3.6	2.6	2.8	1.7	1.7	1.7	0.0
Non-MSA	—	5.8	4.3	5.1	3.7	2.8	3.7	3.0	3.5	4.1	2.3	2.1	2.1	2.1	2.3	+0.3
Parental Education: ^b																
1.0–2.0 (Low)	—	5.0	7.7	4.2	4.8	3.3	3.9	3.9	2.8	4.1	4.0	3.0	1.2	2.4	1.2	-1.3
2.5–3.0	—	5.4	5.9	5.0	3.4	4.4	3.8	3.2	2.9	3.9	2.7	3.3	3.2	3.3	1.3	-2.0 s
3.5–4.0	—	5.0	4.2	4.1	3.0	2.6	3.6	2.7	2.9	3.8	3.1	2.9	1.5	1.6	2.5	+0.9
4.5–5.0	—	4.2	3.6	3.7	2.9	4.0	3.4	2.6	3.4	3.3	1.4	1.9	1.7	1.5	1.5	0.0
5.5–6.0 (High)	—	4.6	4.7	3.3	3.7	2.8	4.0	2.2	2.8	3.8	3.3	2.2	1.8	0.7	1.7	+1.0
Race/Ethnicity (2-year average): ^c																
White	—	—	5.5	4.8	4.1	3.9	3.9	3.7	3.5	3.8	3.4	2.9	2.6	2.0	2.1	+0.1
African American	—	—	1.8	2.5	1.9	1.0	1.5	1.7	1.4	1.2	2.0	2.2	1.1	1.2	1.3	+0.1
Hispanic	—	—	3.1	4.4	3.6	2.2	2.1	1.9	1.6	2.3	2.8	2.6	2.2	1.7	1.5	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 66
RITALIN: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months															2013– 2014 change
	1975– 2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	5.1	4.0	4.0	5.1	4.4	4.4	3.8	3.4	2.1	2.7	2.6	2.6	2.3	1.8	-0.5
Gender:																
Male	—	6.0	5.1	5.5	6.0	5.4	4.5	3.6	3.7	3.2	3.5	2.7	2.7	2.9	1.9	-1.0
Female	—	4.1	2.8	2.6	4.0	3.3	3.8	3.5	2.9	1.1	1.7	2.3	1.9	1.6	1.5	-0.1
College Plans:																
None or under 4 years	—	6.4	7.7	4.4	6.8	5.3	5.3	5.6	4.2	3.2	5.4	3.1	2.9	4.1	1.4	-2.7 s
Complete 4 years	—	4.7	3.0	3.7	4.4	4.1	4.0	3.3	3.2	1.8	2.1	2.5	2.3	1.9	1.6	-0.3
Region:																
Northeast	—	4.7	4.5	4.6	4.1	4.7	6.1	4.1	4.2	1.3	3.5	2.1	2.5	2.0	1.6	-0.4
Midwest	—	7.4	5.4	3.8	6.0	5.3	3.8	5.2	3.4	3.0	2.9	3.0	2.4	2.0	2.1	0.0
South	—	4.1	3.4	3.5	4.7	4.6	4.3	3.0	3.4	2.1	2.1	2.7	2.8	2.3	2.5	+0.3
West	—	3.8	2.6	4.4	5.5	2.7	3.8	3.5	2.8	1.7	2.8	2.2	2.5	2.8	0.4	-2.4 ss
Population Density:																
Large MSA	—	7.2	3.9	3.2	4.2	4.1	5.4	4.0	4.1	2.4	2.7	2.2	2.4	1.9	2.1	+0.2
Other MSA	—	3.7	4.0	5.1	5.6	5.1	3.9	3.4	3.5	2.2	2.8	2.6	2.4	2.5	1.8	-0.7
Non-MSA	—	5.4	4.0	2.9	4.9	3.4	3.8	4.2	2.4	1.5	2.2	3.1	3.1	2.4	1.2	-1.2
Parental Education: ^b																
1.0–2.0 (Low)	—	5.6	5.3	3.1	5.2	5.5	5.2	2.1	2.0	2.6	2.9	1.9	4.1	2.3	1.9	-0.4
2.5–3.0	—	4.5	4.2	3.7	4.2	4.2	3.6	4.1	3.4	3.3	3.0	2.5	2.5	2.1	2.0	-0.1
3.5–4.0	—	5.0	3.9	4.8	6.3	4.1	4.6	3.5	3.6	1.3	2.6	2.7	2.7	2.6	1.1	-1.5 s
4.5–5.0	—	4.7	3.5	3.5	4.6	3.9	4.7	4.7	3.1	1.9	2.2	2.0	2.1	2.3	1.2	-1.1
5.5–6.0 (High)	—	6.6	3.9	4.0	4.5	6.0	4.6	2.7	4.5	1.7	2.4	3.3	2.0	1.3	3.3	+2.0
Race/Ethnicity (2-year average): ^c																
White	—	—	5.4	4.6	5.2	5.3	4.9	4.9	4.3	3.1	2.6	2.7	2.6	2.3	1.9	-0.4
African American	—	—	0.8	1.2	1.2	2.0	2.3	1.8	1.5	1.5	2.1	1.9	1.6	2.3	2.2	-0.1
Hispanic	—	—	3.1	3.3	3.6	3.6	3.9	2.7	1.5	1.9	2.1	2.3	2.7	2.3	1.6	-0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; *N* is two sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 67
ADDERALL: ^a Trends in Annual Prevalence of Use
by Subgroups in Grades 8, 10, and 12

Percentage who used in last 12 months

	8th Graders							10th Graders							12th Graders							
	2009	2010	2011	2012	2013	2014	2013–2014 change	2009	2010	2011	2012	2013	2014	2013–2014 change	2009	2010	2011	2012	2013	2014	2013–2014 change	
<i>Approximate weighted N =</i>	15,000	15,300	16,000	15,100	14,600	14,600		15,900	15,200	14,900	15,000	12,900	13,000		13,700	14,400	14,100	13,700	12,600	12,400		
Total	2.0	2.3	1.7	1.7	1.8	1.3	-0.5	5.7	5.3	4.6	4.5	4.4	4.6	+0.2	5.4	6.5	6.5	7.6	7.4	6.8	-0.6	
Gender:																						
Male	2.8	2.5	1.5	1.3	1.6	1.0	-0.6	6.1	5.5	5.4	5.0	5.2	4.7	-0.5	7.4	7.5	7.4	8.0	8.7	7.7	-1.0	
Female	1.3	2.1	1.7	1.9	1.9	1.4	-0.6	5.3	4.9	3.8	4.1	3.7	4.4	+0.8	3.8	5.5	5.5	6.9	6.0	6.0	0.0	
College Plans:																						
None or under 4 years	6.1	5.4	5.1	4.2	7.4	4.9	-2.5	15.1	10.6	11.5	9.3	8.1	10.4	+2.2	7.0	10.9	7.5	7.8	9.2	5.4	-3.8 s	
Complete 4 years	1.7	2.0	1.4	1.5	1.4	1.0	-0.4	4.8	4.6	3.7	4.0	4.0	4.0	0.0	5.0	5.7	6.4	7.4	6.8	7.0	+0.2	
Region:																						
Northeast	1.0	1.5	1.4	1.0	2.2	1.0	-1.2	4.2	4.1	4.9	4.0	5.4	3.9	-1.5	5.1	7.7	7.2	7.6	5.2	7.2	+2.1	
Midwest	2.3	3.1	2.3	1.0	0.8	0.9	0.0	8.4	7.6	6.3	5.3	5.8	6.1	+0.3	7.9	7.3	7.7	10.1	8.7	9.2	+0.5	
South	2.3	2.3	1.7	2.6	2.1	1.6	-0.5	6.5	5.2	4.6	5.5	4.1	4.9	+0.9	5.1	6.2	6.3	6.4	8.3	7.0	-1.3	
West	1.8	1.9	1.2	1.3	2.0	1.3	-0.6	3.4	3.7	2.3	2.5	2.9	3.4	+0.5	3.2	5.3	5.3	6.6	6.3	3.9	-2.4	
Population Density:																						
Large MSA	1.9	1.7	0.7	2.1	1.5	1.3	-0.2	6.2	6.0	4.8	3.7	4.3	5.4	+1.0	5.9	7.0	4.7	9.1	7.2	7.8	+0.6	
Other MSA	2.0	2.8	2.5	1.4	1.7	1.3	-0.4	5.9	5.0	4.1	4.4	4.7	4.3	-0.4	5.5	6.5	7.9	7.4	8.1	7.2	-0.9	
Non-MSA	2.0	2.0	1.5	1.5	2.3	1.2	-1.1	4.8	4.8	5.1	5.7	4.0	4.2	+0.2	4.5	6.0	6.1	6.2	5.7	4.3	-1.4	
Parental Education: ^b																						
1.0–2.0 (Low)	5.3	3.5	3.7	1.1	2.2	1.9	-0.3	7.9	6.7	4.7	5.4	4.2	4.4	+0.2	4.0	5.2	5.6	5.8	7.0	2.7	-4.3 s	
2.5–3.0	1.8	2.5	2.6	1.9	2.1	1.3	-0.8	6.6	6.0	5.4	6.3	5.2	4.8	-0.4	5.7	6.0	7.2	6.3	5.7	7.3	+1.6	
3.5–4.0	2.9	2.0	1.6	1.5	2.3	1.3	-1.1	5.4	6.2	4.9	4.8	4.5	5.8	+1.2	6.1	6.7	5.9	8.4	8.4	6.6	-1.7	
4.5–5.0	1.4	2.4	1.3	1.4	1.8	1.0	-0.9	4.9	3.8	4.5	4.1	4.7	3.9	-0.8	5.5	7.0	7.1	9.4	7.7	7.7	0.0	
5.5–6.0 (High)	1.1	1.2	0.7	1.7	0.6	1.0	+0.4	6.7	4.6	3.2	2.9	3.2	4.2	+1.0	4.7	7.0	6.2	6.6	8.6	8.8	+0.3	
Race/Ethnicity (2-year average): ^c																						
White	—	2.4	2.1	1.7	1.4	1.3	-0.2	—	6.6	5.7	5.3	5.6	5.9	+0.3	—	7.5	8.1	8.8	9.1	8.1	-1.0	
African American	—	1.2	1.5	1.4	1.6	1.3	-0.3	—	2.2	2.7	1.7	2.0	3.0	+1.0	—	2.9	2.2	2.1	3.6	4.6	+1.0	
Hispanic	—	1.9	1.9	1.7	1.8	1.8	-0.1	—	4.2	3.9	3.8	2.5	2.0	-0.5	—	3.1	2.9	3.7	4.8	4.9	+0.1	

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables D-S1 through D-S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data for 8th and 10th graders based on one of four forms; N is one third of N indicated in Tables D-S1 and D-S2. Data for 12th graders based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 68
PROVIGIL: ^a Trends in Annual Prevalence of Use
 by Subgroups in Grade 12

	Percentage who used in last 12 months						2013– 2014 change
	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	
<i>Approximate weighted N =</i>	13,700	14,400	14,100	—	—	—	
Total	1.8	1.3	1.5	—	—	—	—
Gender:							
Male	2.3	1.8	1.4	—	—	—	—
Female	1.3	0.6	1.3	—	—	—	—
College Plans:							
None or under 4 years	4.0	4.0	2.5	—	—	—	—
Complete 4 years	1.3	0.8	1.1	—	—	—	—
Region:							
Northeast	1.9	1.7	2.0	—	—	—	—
Midwest	2.0	1.7	1.0	—	—	—	—
South	1.9	1.2	1.7	—	—	—	—
West	1.4	0.9	1.2	—	—	—	—
Population Density:							
Large MSA	1.9	1.0	1.4	—	—	—	—
Other MSA	1.7	1.5	1.3	—	—	—	—
Non-MSA	2.0	1.6	1.8	—	—	—	—
Parental Education: ^b							
1.0–2.0 (Low)	3.8	1.7	2.4	—	—	—	—
2.5–3.0	2.0	1.6	2.0	—	—	—	—
3.5–4.0	1.7	1.2	1.6	—	—	—	—
4.5–5.0	1.2	0.8	0.5	—	—	—	—
5.5–6.0 (High)	1.1	1.8	0.9	—	—	—	—
Race/Ethnicity (2-year data): ^c							
White	—	1.5	1.3	—	—	—	—
African American	—	1.5	1.5	—	—	—	—
Hispanic	—	1.5	1.2	—	—	—	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. ^a ‘—’ indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; *N* is two sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^bOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education.

See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 69
METHAMPHETAMINE: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																	2013– 2014 change
	1991– 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	3.2	2.5	2.8	2.2	2.5	1.5	1.8	1.8	1.1	1.2	1.0	1.2	0.8	1.0	1.0	0.6	-0.3
Gender:																		
Male	—	3.1	2.2	2.5	2.0	2.0	1.1	1.7	1.4	0.7	0.9	1.0	1.3	0.5	0.8	0.7	0.5	-0.2
Female	—	3.2	2.8	3.0	2.4	3.0	1.7	1.9	2.3	1.5	1.5	1.0	1.1	1.0	1.1	1.0	0.6	-0.4
College Plans:																		
None or under 4 years	—	7.4	6.8	6.6	6.6	7.9	6.6	6.8	6.3	3.2	3.8	3.1	2.7	3.6	5.0	4.4	3.0	-1.4
Complete 4 years	—	2.7	2.0	2.3	1.7	2.0	1.0	1.2	1.3	0.9	1.0	0.9	1.1	0.6	0.7	0.7	0.4	-0.4 s
Region:																		
Northeast	—	1.6	2.0	1.2	0.8	1.7	1.0	0.6	0.7	0.5	0.8	0.3	0.6	0.6	0.8	0.4	0.5	+0.1
Midwest	—	4.4	3.0	3.2	2.5	3.5	2.1	2.0	1.7	1.5	1.6	0.9	1.6	0.5	0.3	0.7	0.8	+0.1
South	—	3.4	2.4	3.4	2.8	2.4	1.4	2.0	1.6	1.1	1.4	1.1	1.0	0.9	1.2	1.0	0.4	-0.6
West	—	2.8	2.5	2.4	2.0	2.4	1.6	2.1	3.1	1.2	1.0	1.4	1.6	1.1	1.4	1.5	0.9	-0.6
Population Density:																		
Large MSA	—	2.2	2.1	1.6	1.3	2.0	1.5	1.3	1.5	0.4	0.7	1.1	0.9	0.6	0.9	1.5	0.7	-0.8
Other MSA	—	3.6	2.6	3.4	2.5	2.4	1.7	2.0	2.1	1.4	1.5	1.0	1.3	1.2	1.2	0.6	0.6	0.0
Non-MSA	—	3.5	3.0	2.8	2.7	3.4	1.2	2.1	1.8	1.6	1.4	0.9	1.3	0.3	0.7	0.9	0.5	-0.4
Parental Education: ^a																		
1.0–2.0 (Low)	—	6.3	5.0	4.4	4.3	4.2	4.4	4.1	3.9	1.9	2.1	1.7	2.2	3.1	1.5	2.1	0.2	-1.9 s
2.5–3.0	—	4.3	3.1	4.0	3.0	3.4	1.3	1.5	1.8	1.4	1.7	0.9	1.0	1.5	1.3	0.7	0.8	+0.1
3.5–4.0	—	3.3	2.4	3.0	2.0	2.5	1.8	2.9	2.2	1.2	1.3	1.1	1.3	0.5	1.4	0.7	0.6	-0.1
4.5–5.0	—	1.9	1.3	1.6	1.9	1.6	1.0	0.9	1.2	0.9	0.9	0.6	1.1	0.4	0.6	0.7	0.6	-0.2
5.5–6.0 (High)	—	3.2	2.2	1.2	1.1	2.3	0.9	0.7	1.7	0.8	1.1	1.6	1.1	0.4	0.7	0.8	0.2	-0.6
Race/Ethnicity (2-year average): ^b																		
White	—	—	3.2	3.1	2.8	2.7	2.2	1.6	1.6	1.4	1.1	1.0	1.0	0.8	0.7	0.7	0.6	-0.1
African American	—	—	1.1	0.8	0.6	0.8	0.6	0.5	0.8	0.6	0.5	0.7	0.5	0.6	0.6	0.4	0.3	0.0
Hispanic	—	—	4.0	3.3	3.2	3.2	3.0	2.8	2.8	2.3	1.7	1.5	1.8	1.9	1.5	1.5	1.1	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 70
METHAMPHETAMINE: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																	2013– 2014 change
	1991– 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	14,000	13,600	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	4.6	4.0	3.7	3.9	3.3	3.0	2.9	1.8	1.6	1.5	1.6	1.6	1.4	1.0	1.0	0.8	-0.2
Gender:																		
Male	—	4.5	4.5	3.8	3.9	3.0	2.7	2.6	1.7	1.4	1.4	1.4	1.5	1.3	1.1	1.0	0.7	-0.3
Female	—	4.7	3.6	3.5	3.6	3.7	3.3	3.0	2.0	1.8	1.6	1.7	1.8	1.4	0.9	0.8	0.8	0.0
College Plans:																		
None or under 4 years	—	9.1	8.8	7.0	9.1	9.4	6.0	7.3	5.8	3.9	3.6	4.6	4.8	4.6	4.1	2.4	3.6	+1.2
Complete 4 years	—	3.9	3.3	3.1	3.0	2.3	2.6	2.2	1.3	1.2	1.2	1.3	1.2	1.0	0.7	0.9	0.5	-0.3
Region:																		
Northeast	—	5.1	4.1	2.3	1.5	2.1	2.5	3.0	1.5	1.4	0.5	1.3	1.4	2.0	1.0	0.4	0.1	-0.2
Midwest	—	4.6	4.0	3.8	3.0	3.4	2.2	3.4	1.7	0.9	1.4	1.8	1.1	0.9	0.5	0.7	0.9	+0.3
South	—	4.0	3.8	4.0	4.6	3.8	2.9	2.2	2.3	1.9	1.9	1.4	1.5	1.4	1.0	0.9	1.2	+0.3
West	—	5.1	4.4	4.6	5.8	3.8	4.7	3.0	1.7	2.3	1.8	2.1	2.6	1.4	1.4	1.9	0.6	-1.3 s
Population Density:																		
Large MSA	—	3.8	4.4	4.0	3.1	2.3	2.7	2.9	2.2	1.7	1.2	1.5	1.5	1.0	1.1	1.0	0.7	-0.3
Other MSA	—	4.8	3.4	3.6	4.4	3.8	3.4	3.0	1.5	1.5	1.8	1.6	1.9	1.7	0.6	1.2	0.5	-0.6
Non-MSA	—	5.2	4.8	3.6	3.7	3.7	2.5	2.5	2.1	1.8	1.3	1.6	1.3	1.4	1.7	0.6	1.6	+1.0
Parental Education: ^a																		
1.0–2.0 (Low)	—	7.2	7.0	5.6	6.2	7.3	4.5	4.2	3.8	3.8	2.6	3.7	3.4	2.9	2.5	1.9	1.2	-0.7
2.5–3.0	—	4.2	4.3	4.6	4.9	4.1	3.7	3.8	2.7	1.6	2.3	2.7	2.3	1.2	1.7	1.4	0.4	-1.0
3.5–4.0	—	4.8	4.3	3.2	3.7	3.2	3.3	2.0	1.4	1.7	1.0	1.4	1.9	1.3	0.7	1.0	1.2	+0.2
4.5–5.0	—	4.8	3.5	3.6	2.4	2.2	2.3	3.2	1.4	1.0	1.6	0.7	0.8	1.3	0.8	0.3	0.4	+0.1
5.5–6.0 (High)	—	3.3	3.5	2.5	4.0	2.1	1.7	1.3	1.3	1.0	0.6	0.7	0.8	1.0	0.3	1.2	0.6	-0.6
Race/Ethnicity (2-year average): ^b																		
White	—	—	4.7	4.1	4.1	4.2	3.4	2.9	2.4	1.8	1.6	1.4	1.5	1.5	1.2	0.9	0.9	+0.1
African American	—	—	0.4	1.0	1.1	0.6	0.8	1.1	1.0	0.8	0.5	0.4	0.6	0.7	0.3	0.3	0.6	+0.3
Hispanic	—	—	3.9	3.0	4.4	4.6	4.6	5.0	3.3	1.9	2.3	2.7	2.5	1.9	1.8	2.1	1.2	-0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 71
METHAMPHETAMINE: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																		2013– 2014 change
	1975– 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Approximate weighted N =	—	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400		
Total	—	4.7	4.3	3.9	3.6	3.2	3.4	2.5	2.5	1.7	1.2	1.2	1.0	1.4	1.1	0.9	1.0	0.0	
Gender:																			
Male	—	5.0	4.4	4.3	4.3	3.6	3.7	2.7	2.0	1.8	1.8	1.3	1.5	1.6	1.2	1.3	1.3	0.0	
Female	—	4.5	4.2	3.4	3.0	2.9	3.1	2.3	3.0	1.6	0.7	1.0	0.5	1.1	0.9	0.4	0.7	+0.2	
College Plans:																			
None or under 4 years	—	6.8	6.2	6.9	6.5	5.8	6.7	4.9	3.7	3.9	1.9	3.1	1.8	1.9	2.3	1.6	1.3	-0.3	
Complete 4 years	—	4.0	3.8	3.2	2.7	2.4	2.4	2.0	2.1	1.2	1.0	0.8	0.8	1.3	0.8	0.6	0.9	+0.3	
Region:																			
Northeast	—	3.1	4.5	3.4	1.6	1.8	1.3	0.6	1.4	1.4	1.1	1.0	1.2	2.1	0.5	1.3	0.9	-0.3	
Midwest	—	5.1	4.1	4.7	4.5	4.2	3.3	4.4	1.2	1.2	0.8	1.2	1.1	1.2	0.9	0.8	0.7	-0.1	
South	—	3.9	3.7	3.4	3.0	2.8	4.0	2.2	3.1	2.1	1.2	1.4	0.9	1.1	0.9	0.5	1.2	+0.7	
West	—	7.1	5.4	4.4	5.4	4.0	4.9	2.7	3.8	1.5	1.9	1.0	1.2	1.5	1.8	1.4	0.7	-0.7	
Population Density:																			
Large MSA	—	4.2	3.6	2.7	2.1	1.8	2.8	1.5	3.4	1.3	1.3	1.1	1.0	0.9	1.2	0.8	0.9	+0.1	
Other MSA	—	4.0	4.9	4.0	4.4	3.0	2.6	2.4	2.0	1.7	1.2	1.1	1.1	2.0	1.2	0.9	1.0	+0.2	
Non-MSA	—	6.4	4.3	5.3	4.1	5.3	5.5	4.1	2.0	2.2	1.3	1.4	1.0	0.6	0.5	1.2	0.8	-0.4	
Parental Education: ^a																			
1.0–2.0 (Low)	—	6.0	7.7	5.0	3.5	4.3	5.5	4.0	2.7	3.1	1.6	3.5	2.0	3.1	1.4	1.4	1.6	+0.2	
2.5–3.0	—	4.8	3.5	4.8	4.9	3.6	4.1	3.0	2.4	2.2	0.6	1.4	1.1	1.0	0.6	1.2	1.1	-0.2	
3.5–4.0	—	5.2	3.9	3.8	3.8	3.6	3.1	3.0	2.9	1.4	1.3	0.8	0.9	1.2	1.3	0.6	0.7	+0.1	
4.5–5.0	—	3.7	4.2	3.1	2.9	2.9	2.8	2.1	2.2	1.7	0.8	1.0	1.0	1.2	1.2	0.7	0.9	+0.2	
5.5–6.0 (High)	—	4.2	5.5	3.2	3.1	1.0	3.0	1.2	1.2	0.8	1.6	0.4	0.4	1.3	0.7	0.9	0.9	0.0	
Race/Ethnicity (2-year average): ^b																			
White	—	—	4.9	4.6	4.2	3.5	3.5	3.3	2.6	2.1	1.5	1.1	1.1	1.3	1.2	0.9	0.7	-0.2	
African American	—	—	1.1	1.0	0.5	1.4	1.8	0.7	0.4	0.7	1.1	1.1	0.5	0.4	0.5	0.4	1.1	+0.6	
Hispanic	—	—	4.9	4.6	3.9	3.4	3.4	3.4	3.7	2.7	1.1	1.2	1.1	1.2	1.2	1.2	1.5	+0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates.

See appendix B for details on how race/ethnicity is defined.

TABLE 72
CRYSTAL METHAMPHETAMINE (ICE): Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																								2013– 2014 change			
	1975– 1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012		2013	2014	
Approximate weighted N =	—	15,200	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400		
Total	—	1.3	1.4	1.3	1.7	1.8	2.4	2.8	2.3	3.0	1.9	2.2	2.5	3.1	2.0	2.1	2.3	1.9	1.6	1.1	0.9	0.9	1.2	0.8	1.1	0.8	-0.3	
Gender:																												
Male	—	1.5	1.9	1.5	1.9	2.2	2.6	3.9	2.6	3.9	2.2	2.5	2.7	3.5	2.5	2.6	2.5	1.5	1.8	1.4	1.1	1.1	1.0	1.0	1.3	0.8	-0.5	
Female	—	1.0	0.9	1.0	1.2	1.3	2.1	1.7	2.1	2.1	1.6	1.9	2.1	2.5	1.5	1.6	2.0	2.2	1.4	0.7	0.8	0.6	1.1	0.7	0.8	0.7	0.0	
College Plans:																												
None or under 4 years	—	1.4	1.9	2.2	2.6	2.4	4.3	5.1	3.8	5.0	2.3	3.8	4.2	4.8	2.6	4.4	4.2	3.5	3.7	1.7	1.8	2.1	2.9	1.9	2.4	1.7	-0.7	
Complete 4 years	—	1.2	1.2	1.0	1.4	1.5	1.8	2.1	1.9	2.4	1.8	1.7	2.0	2.6	1.9	1.5	1.8	1.3	1.2	0.8	0.7	0.6	0.9	0.5	0.8	0.5	-0.3	
Region:																												
Northeast	—	1.6	1.1	0.9	1.1	0.9	1.4	3.2	2.8	2.6	1.0	1.0	1.9	2.6	1.3	0.9	1.2	1.0	1.1	1.4	0.5	0.6	0.4	0.9	1.0	0.3	-0.7	
Midwest	—	1.1	1.4	1.1	1.5	2.3	2.2	2.1	1.9	2.7	1.7	2.8	2.1	2.0	1.0	1.8	2.2	1.0	1.5	0.5	1.0	0.9	0.8	1.0	0.6	0.9	+0.2	
South	—	0.5	1.0	1.0	1.2	1.2	1.8	2.0	1.6	3.1	2.3	2.0	1.7	3.5	2.3	2.3	2.7	2.9	1.7	0.9	0.8	0.9	1.4	0.6	1.1	0.8	-0.4	
West	—	2.5	2.2	2.6	3.2	2.8	4.7	4.9	3.7	3.4	2.5	2.9	4.7	4.0	3.4	3.5	3.1	1.9	2.1	1.7	1.5	1.2	1.8	0.9	1.6	1.1	-0.5	
Population Density:																												
Large MSA	—	1.2	1.3	1.5	2.2	2.0	3.0	4.6	2.9	2.5	1.6	2.3	2.7	2.2	1.9	2.3	2.1	2.2	1.3	0.6	0.9	0.9	1.1	1.2	1.3	1.2	-0.1	
Other MSA	—	1.3	1.7	1.3	1.7	1.8	2.0	2.0	2.0	3.3	2.1	1.7	2.3	3.6	2.0	1.4	2.3	1.5	1.7	1.2	0.8	0.9	1.3	0.7	1.2	0.7	-0.5	
Non-MSA	—	1.2	0.8	1.2	1.2	1.6	2.3	2.6	2.1	2.8	2.0	3.0	2.5	3.2	2.1	3.2	2.7	2.1	1.9	1.3	1.3	1.1	1.0	0.7	0.7	0.6	-0.1	
Parental Education: ^a																												
1.0–2.0 (Low)	—	1.1	1.0	0.9	1.6	1.0	3.2	3.4	2.2	2.8	3.6	3.2	5.9	3.7	3.7	4.0	2.6	4.2	3.2	1.4	2.8	1.9	3.6	1.1	3.8	3.0	-0.8	
2.5–3.0	—	1.4	1.1	1.1	1.2	3.0	2.6	3.0	2.5	3.2	1.3	1.7	2.4	3.6	1.7	2.7	2.6	2.6	2.1	0.6	0.8	1.6	0.3	1.6	1.3	0.8	-0.5	
3.5–4.0	—	1.4	1.2	1.5	2.3	1.6	1.9	2.6	2.2	3.6	2.5	1.9	2.8	2.4	2.2	2.4	3.1	1.4	1.4	1.0	1.2	0.4	1.5	0.6	0.9	0.6	-0.2	
4.5–5.0	—	1.2	1.8	1.4	1.8	1.3	2.5	2.9	2.9	2.6	1.3	2.8	1.5	2.8	1.5	1.0	1.4	1.0	1.5	0.7	0.3	0.5	0.5	0.4	0.4	0.3	-0.1	
5.5–6.0 (High)	—	1.1	1.0	1.4	1.3	1.0	2.2	2.5	1.4	1.9	2.1	1.3	2.0	2.8	1.8	0.9	1.1	1.4	0.8	1.2	0.6	0.7	1.3	0.2	0.4	0.2	-0.3	
Race/Ethnicity (2-year average): ^b																												
White	—	—	1.3	1.3	1.5	1.7	2.0	2.5	2.6	2.9	2.8	2.3	2.4	2.6	2.3	2.0	2.0	1.9	1.7	1.3	0.7	0.5	0.6	0.7	0.6	0.6	-0.1	
African American	—	—	0.8	1.0	0.8	0.5	0.5	0.3	0.5	1.0	0.7	0.7	1.1	1.6	1.4	0.7	1.0	1.0	0.6	0.6	0.7	0.9	1.1	0.8	1.0	1.3	+0.3	
Hispanic	—	—	1.3	1.8	2.3	2.1	2.7	4.0	2.8	1.7	1.7	2.4	3.4	3.6	2.5	2.6	3.4	3.3	2.9	1.8	1.4	1.7	2.4	2.1	1.4	2.0	+0.6	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 73
BATH SALTS (SYNTHETIC STIMULANTS): Trends in Annual Prevalence of Use
by Subgroups in Grades 8, 10, and 12

Percentage who used in last 12 months

	8th Graders					10th Graders					12th Graders				
	1991–				2013–	1991–				2013–	1991–				2013–
	2011	2012	2013	2014	change	2011	2012	2013	2014	change	2011	2012	2013	2014	change
Approximate weighted N =	—	15,100	14,600	14,600		—	15,000	12,900	13,000		—	13,700	12,600	12,400	
Total	—	0.8	1.0	0.5	-0.5 s	—	0.6	0.9	0.9	-0.1	—	1.3	0.9	0.9	0.0
Gender:															
Male	—	0.6	1.1	0.5	-0.6	—	0.9	1.3	1.0	-0.3	—	1.2	1.0	1.1	+0.1
Female	—	0.9	0.9	0.5	-0.4	—	0.4	0.6	0.7	+0.1	—	1.1	0.6	0.5	-0.1
College Plans:															
None or under 4 years	—	3.6	3.1	2.3	-0.8	—	1.9	3.7	3.6	-0.1	—	1.8	1.8	1.5	-0.3
Complete 4 years	—	0.6	0.8	0.4	-0.4 s	—	0.5	0.6	0.5	-0.1	—	1.1	0.6	0.6	0.0
Region:															
Northeast	—	0.3	0.7	0.9	+0.2	—	0.7	1.4	0.6	-0.8	—	1.2	0.7	1.4	+0.8
Midwest	—	0.5	0.6	0.3	-0.3	—	0.8	0.8	0.7	-0.1	—	1.3	1.0	0.7	-0.3
South	—	1.3	1.0	0.5	-0.5	—	0.5	0.8	1.0	+0.3	—	1.7	1.0	1.2	+0.2
West	—	0.7	1.5	0.4	-1.1 s	—	0.6	0.9	1.1	+0.2	—	1.0	0.8	0.2	-0.6
Population Density:															
Large MSA	—	1.0	1.4	0.8	-0.6	—	1.0	0.7	1.0	+0.2	—	1.3	0.9	1.0	+0.1
Other MSA	—	0.7	0.8	0.4	-0.3	—	0.3	0.8	0.6	-0.2	—	1.4	0.7	1.0	+0.3
Non-MSA	—	0.8	0.8	0.3	-0.5	—	0.8	1.7	1.4	-0.2	—	1.2	1.3	0.5	-0.8
Parental Education: ^a															
1.0–2.0 (Low)	—	0.9	2.7	1.0	-1.6	—	0.7	0.4	0.9	+0.5	—	2.1	1.7	2.0	+0.3
2.5–3.0	—	0.6	0.6	0.4	-0.2	—	0.9	2.0	0.6	-1.3 s	—	1.7	0.9	1.5	+0.7
3.5–4.0	—	0.8	0.8	0.2	-0.6	—	0.4	0.6	1.5	+0.9	—	0.8	1.0	0.3	-0.7
4.5–5.0	—	0.6	1.0	0.7	-0.3	—	0.7	0.4	0.4	0.0	—	1.2	0.6	0.5	-0.1
5.5–6.0 (High)	—	0.8	0.4	0.6	+0.2	—	0.2	1.1	0.9	-0.3	—	1.3	0.2	0.2	0.0
Race/Ethnicity (2-year data): ^b															
White	—	—	0.5	0.4	-0.1	—	—	0.7	0.8	+0.1	—	—	1.0	0.5	-0.5
African American	—	—	1.3	1.0	-0.3	—	—	0.8	1.4	+0.6	—	—	1.6	2.2	+0.6
Hispanic	—	—	1.7	1.3	-0.4	—	—	0.7	0.6	-0.1	—	—	1.2	0.8	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 74
SEDATIVES (BARBITURATES):^{a,b} Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				(Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	10.7	9.6	9.3	8.1	7.5	6.8	6.6	5.5	5.2	4.9	4.6	4.2	3.6	3.2	3.3	3.4	3.4	2.8	3.4	4.1	
Gender:																					
Male	12.3	9.9	10.2	8.4	7.6	7.3	7.2	5.9	5.9	5.5	5.2	4.7	4.0	3.4	3.5	3.8	3.4	2.9	3.4	4.3	
Female	9.9	9.2	8.4	7.7	7.0	6.0	5.8	5.0	4.2	4.0	3.9	3.8	3.2	3.0	3.0	3.0	3.2	2.6	3.3	3.8	
College Plans:																					
None or under 4 years	—	11.6	11.4	9.1	9.3	9.0	8.1	7.4	6.7	6.2	6.2	6.1	4.7	4.1	4.8	4.7	4.3	3.9	3.8	5.4	
Complete 4 years	—	7.3	6.8	6.8	5.2	4.8	5.1	3.8	3.8	3.7	3.6	3.0	3.0	2.7	2.5	2.8	2.9	2.3	3.2	3.7	
Region:																					
Northeast	11.5	10.4	9.2	9.6	9.6	6.9	6.8	5.6	4.7	5.1	5.3	5.2	4.2	2.5	3.2	2.9	2.8	2.7	3.5	4.0	
Midwest	12.8	10.4	10.7	7.9	6.9	7.3	7.5	5.4	6.1	4.9	4.9	4.2	3.3	2.5	3.2	3.5	3.5	2.7	3.5	4.1	
South	9.9	9.7	9.3	7.8	7.3	7.0	5.5	6.3	5.2	5.2	4.2	4.1	3.7	4.1	3.7	4.0	3.6	3.0	3.6	4.8	
West	10.0	6.7	6.6	6.6	5.7	5.2	6.5	3.9	4.0	4.2	4.1	3.3	3.2	3.2	2.7	2.9	3.3	2.5	2.7	2.8	
Population Density:																					
Large MSA	11.1	10.2	8.1	8.1	8.3	6.6	6.9	5.3	5.2	4.4	4.4	3.7	3.3	2.8	2.6	2.6	2.4	2.4	2.6	3.6	
Other MSA	11.3	9.8	9.9	8.2	7.3	6.5	6.4	5.7	5.3	4.9	4.2	4.4	3.6	3.4	3.1	3.6	3.9	2.6	3.1	4.3	
Non-MSA	9.8	9.0	9.5	8.1	7.0	7.2	6.6	5.5	5.0	5.5	5.4	4.5	3.9	3.2	4.4	3.9	3.3	3.4	4.3	4.1	
Parental Education: ^c																					
1.0–2.0 (Low)	10.3	9.1	8.0	7.5	7.8	8.0	6.5	5.8	6.1	4.7	5.0	4.8	3.8	4.3	4.1	3.1	3.6	3.9	3.8	4.5	
2.5–3.0	10.3	10.2	10.3	8.2	7.3	7.2	6.5	5.7	5.7	5.2	5.3	4.6	3.6	3.1	3.4	3.7	3.7	2.4	3.6	4.5	
3.5–4.0	9.5	9.6	9.0	8.3	7.4	6.3	6.5	5.1	4.6	5.0	4.4	4.4	3.2	2.9	3.2	3.9	3.0	2.8	2.8	4.0	
4.5–5.0	10.7	10.1	9.1	7.8	6.6	5.9	6.4	5.0	4.4	4.3	4.1	3.3	3.9	3.3	2.8	3.1	3.3	2.9	3.4	4.0	
5.5–6.0 (High)	9.0	10.3	8.3	8.0	7.2	5.4	6.8	5.8	3.7	4.0	3.1	3.4	3.6	3.1	3.4	2.9	3.6	2.4	3.8	3.6	
Race/Ethnicity (2-year average): ^d																					
White	—	—	10.2	9.3	8.2	7.5	7.2	6.5	5.8	5.5	5.1	4.7	4.2	3.7	3.5	3.7	3.8	3.5	3.6	4.3	
African American	—	—	3.3	3.2	2.6	2.5	2.4	2.0	1.7	1.6	1.6	1.6	1.7	1.5	1.1	1.1	1.2	1.1	1.0	1.5	
Hispanic	—	—	7.4	5.8	5.8	5.8	5.7	5.1	4.1	4.4	4.6	3.6	2.8	2.8	3.2	2.8	2.4	2.2	1.9	2.6	

(Table continued on next page.)

TABLE 74 (cont.)
SEDATIVES (BARBITURATES):^{a,b} Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013 ^e	2014	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	4.7	4.9	5.1	5.5	5.8	6.2	5.7	6.7	6.0	6.5	7.2	6.6	6.2	5.8	5.2	4.8	4.3	4.5	4.8	4.3	-0.5
Gender:																					
Male	5.1	5.2	5.3	6.3	6.3	6.9	6.3	7.4	6.7	7.0	7.7	6.4	6.3	5.9	5.6	4.8	4.2	4.2	4.7	4.4	-0.2
Female	4.2	4.4	4.8	4.8	5.3	5.4	5.1	5.9	5.4	6.0	6.6	6.7	6.2	5.7	4.9	4.6	4.4	4.7	4.9	4.2	-0.7
College Plans:																					
None or under 4 years	5.9	6.7	6.6	6.9	7.0	7.0	7.1	9.8	9.6	9.3	10.7	10.0	8.2	8.9	7.6	6.7	7.5	5.1	6.1	5.9	-0.2
Complete 4 years	4.4	4.3	4.6	5.1	5.5	6.0	5.4	6.0	5.1	5.6	6.3	5.7	5.7	5.2	4.7	4.3	3.7	4.3	4.4	3.9	-0.6
Region:																					
Northeast	4.1	5.6	5.7	5.5	4.7	5.6	5.3	5.9	4.8	5.4	5.7	5.7	5.5	5.1	4.3	4.2	3.4	4.1	3.9	3.0	-0.9
Midwest	4.5	4.9	4.4	4.8	6.0	5.2	5.6	6.4	5.1	5.9	7.5	6.2	5.9	5.7	6.5	5.3	4.7	4.4	4.7	4.1	-0.5
South	5.3	5.4	5.8	6.8	6.8	7.5	6.1	8.4	7.1	7.8	8.5	7.5	7.2	6.8	5.6	5.3	4.2	4.4	5.5	5.1	-0.4
West	4.3	3.3	4.2	4.2	4.9	5.7	5.6	5.1	6.5	6.3	5.9	6.2	5.4	5.0	4.0	4.2	4.7	5.0	4.5	4.1	-0.4
Population Density:																					
Large MSA	4.1	3.6	4.2	4.6	3.7	5.1	5.9	6.5	4.2	5.5	6.1	6.6	5.7	4.3	4.5	4.1	3.4	4.3	4.7	3.6	-1.1
Other MSA	4.9	5.4	5.0	5.6	6.2	6.6	6.1	6.7	6.6	7.1	7.5	6.6	6.3	6.2	5.4	5.0	4.6	4.8	5.2	5.0	-0.3
Non-MSA	5.0	5.4	6.4	6.8	7.4	6.8	4.9	7.0	7.4	6.6	7.8	6.6	6.9	6.7	5.9	5.5	4.9	4.0	3.9	3.5	-0.4
Parental Education: ^c																					
1.0–2.0 (Low)	4.9	4.8	4.3	6.4	7.5	5.2	6.3	5.1	6.7	6.6	6.2	7.3	6.3	6.0	4.8	4.3	4.8	5.1	4.9	4.3	-0.6
2.5–3.0	5.2	4.9	4.9	6.3	6.2	7.1	5.3	7.1	6.5	7.0	8.1	6.5	5.7	6.3	5.7	5.5	4.6	5.0	5.0	4.8	-0.2
3.5–4.0	4.6	4.9	6.0	5.6	6.4	5.8	6.1	7.7	7.2	8.0	7.7	7.3	6.5	6.2	5.5	5.2	4.6	4.8	5.1	4.0	-1.1
4.5–5.0	4.4	5.0	5.1	5.0	5.0	6.7	5.9	6.3	4.7	5.1	7.0	6.2	7.0	5.0	5.6	4.5	4.2	4.3	4.6	4.6	0.0
5.5–6.0 (High)	4.1	4.6	4.6	5.0	5.1	5.5	5.8	6.6	4.3	5.5	6.3	6.0	5.3	5.4	3.5	3.6	3.0	3.7	4.6	3.7	-0.9
Race/Ethnicity (2-year average): ^d																					
White	4.9	5.4	5.9	6.5	6.7	6.9	7.0	7.5	7.6	7.4	7.9	7.9	7.5	7.3	6.6	5.8	5.2	4.9	5.1	5.0	-0.1
African American	1.6	1.1	1.0	1.4	1.4	1.3	1.5	1.4	1.7	2.4	2.6	2.5	2.5	2.2	2.0	2.7	2.5	2.1	2.5	3.1	+0.6
Hispanic	3.5	4.0	3.7	3.3	4.0	5.1	4.7	4.5	4.1	4.7	5.8	5.8	5.2	4.3	4.0	3.8	3.5	3.7	3.8	3.8	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

^bIn 2004 the barbiturate question text was changed on half of the questionnaire forms. Barbiturates was changed to Sedatives, including barbiturates, and "have you taken barbiturates . . ." was changed to "have you taken sedatives . . ." In the list of examples downs, downers, goofballs, yellow, reds, blues, rainbows were changed to downs, or downers, and include Phenobarbital, Tuinal, Nembutal, and Seconal. An examination of the data did not show any effect from the wording change. In 2005 the remaining forms were changed in a like manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eIn 2013 the question text was changed in all forms: Tuinal, Nembutal, and Seconal were replaced with Ambien, Lunesta, and Sonata. In one form the list of examples was also changed: Tuinal was dropped from the list and Dalmane, Restoril, Halcion, Intermezzo, and Zolpimist were added. An examination of the data did not show any effect from the wording changes.

TABLE 75
TRANQUILIZERS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^b	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.8	2.0	2.1	2.4	2.7	3.3	2.9	2.6	2.5	2.6‡	2.8	2.6	2.7	2.5	2.8	2.6	2.4	2.4	2.6	2.8	2.0	1.8	1.8	1.7	-0.1
Gender:																									
Male	1.5	1.6	1.8	1.9	2.0	2.3	2.6	2.3	2.1	2.1‡	2.5	2.2	2.2	1.9	2.1	2.2	1.6	1.7	2.3	2.2	1.6	1.3	1.3	1.3	+0.1
Female	2.1	2.3	2.4	2.8	3.3	4.0	3.2	3.0	2.9	3.1‡	2.9	2.8	3.0	3.2	3.4	2.9	3.1	3.2	3.0	3.3	2.4	2.3	2.4	2.1	-0.3
College Plans:																									
None or under 4 years	3.9	4.9	3.6	5.1	5.9	6.4	5.8	6.4	5.8	6.8‡	5.8	6.5	6.3	6.2	6.9	6.0	6.8	5.9	7.0	5.5	4.8	4.1	5.3	4.8	-0.4
Complete 4 years	1.5	1.5	1.9	2.0	2.3	2.8	2.6	2.2	2.0	2.2‡	2.5	2.1	2.3	2.1	2.4	2.3	2.0	2.2	2.3	2.6	1.8	1.6	1.6	1.5	-0.1
Region:																									
Northeast	1.0	1.6	1.7	2.5	2.3	2.7	2.5	2.0	2.3	2.2‡	2.0	1.8	1.9	1.7	1.6	1.3	1.4	1.6	1.2	1.6	1.1	1.3	1.2	1.5	+0.3
Midwest	1.4	1.9	1.3	1.7	2.6	3.5	2.4	2.6	2.6	2.2‡	2.2	2.4	2.2	2.1	2.8	2.4	2.8	2.5	2.4	2.6	1.8	1.0	1.5	1.5	0.0
South	2.6	2.5	2.4	2.6	3.0	3.7	3.3	3.2	2.8	3.2‡	3.4	3.4	3.5	3.4	3.7	3.6	2.9	3.3	3.6	3.6	2.5	2.7	2.3	2.0	-0.3
West	1.8	1.6	3.0	2.7	2.4	2.9	3.0	2.3	1.9	2.5‡	3.2	1.9	2.6	2.2	2.2	2.1	1.9	1.8	2.2	2.4	2.2	1.3	1.9	1.8	-0.1
Population Density:																									
Large MSA	1.8	2.1	1.7	2.5	1.8	3.2	2.1	1.9	1.8	2.5‡	2.8	2.0	1.8	1.8	2.0	1.9	1.9	1.8	2.0	2.2	1.7	1.5	1.6	1.8	+0.1
Other MSA	1.7	1.8	2.5	2.6	3.2	3.4	3.2	2.6	2.4	2.7‡	3.1	2.7	2.9	3.1	3.1	2.6	2.8	2.8	3.0	3.1	2.4	2.2	1.9	1.8	-0.2
Non-MSA	2.2	2.2	1.6	1.9	2.6	3.1	3.2	3.6	3.4	2.7‡	2.3	2.9	3.4	2.4	3.4	3.5	2.4	2.6	2.5	2.8	1.6	1.5	1.9	1.6	-0.3
Parental Education: ^c																									
1.0–2.0 (Low)	3.6	3.8	2.5	3.2	3.9	4.9	4.3	5.5	5.0	5.6‡	3.7	5.0	3.9	4.7	5.0	5.1	5.2	4.7	5.9	4.8	3.4	3.2	3.6	3.0	-0.7
2.5–3.0	1.6	2.1	2.5	2.6	2.7	3.5	3.1	2.8	3.3	3.6‡	3.7	3.6	3.5	2.8	4.3	3.2	3.3	3.0	3.4	3.4	2.8	2.4	2.4	2.3	-0.1
3.5–4.0	2.0	2.2	2.1	2.6	3.2	3.9	3.2	2.7	2.1	2.6‡	2.7	2.2	2.8	3.0	3.3	3.1	2.9	2.5	2.8	3.2	2.5	1.9	2.2	1.9	-0.3
4.5–5.0	1.4	0.9	1.8	2.0	2.2	2.8	2.4	2.4	1.7	1.4‡	2.7	2.0	2.1	2.0	1.3	1.7	1.3	2.1	1.7	2.0	1.3	1.1	1.5	1.5	0.0
5.5–6.0 (High)	1.8	1.9	1.7	2.1	1.6	2.7	2.7	2.1	1.9	2.2‡	2.1	1.6	1.6	1.7	2.0	1.8	1.0	1.7	1.4	1.7	1.3	1.5	0.9	1.1	+0.2
Race/Ethnicity (2-year average): ^d																									
White	—	2.0	2.0	2.2	2.7	3.2	3.4	3.1	2.9	3.0	3.0‡	3.0 ^e	2.8	2.8	2.9	3.0	2.7	2.6	2.8	2.9	2.6	2.0	1.7	1.7	-0.1
African American	—	0.9	1.1	1.2	1.2	1.3	1.2	0.9	0.7	0.5	0.5‡	0.6 ^e	1.0	1.2	1.0	0.8	0.9	0.9	1.0	1.2	1.3	1.2	1.1	1.1	0.0
Hispanic	—	2.7	3.1	3.4	3.3	3.5	3.5	3.4	3.5	3.5	3.6‡	3.8 ^e	3.4	3.4	3.5	3.0	2.9	2.9	2.9	3.3	2.9	2.4	2.4	2.2	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases.

See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

^bIn 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 76
TRANQUILIZERS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001 ^b	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	3.2	3.5	3.3	3.3	4.0	4.6	4.9	5.1	5.4	5.6‡	7.3	6.3	5.3	5.1	4.8	5.2	5.3	4.6	5.0	5.1	4.5	4.3	3.7	3.9	+0.2
Gender:																									
Male	2.5	2.7	3.2	3.0	4.0	4.3	4.7	4.7	5.2	5.8‡	7.9	5.7	4.7	4.7	4.3	5.0	4.6	4.1	4.4	4.5	4.7	4.0	3.8	3.2	-0.6
Female	3.8	4.3	3.2	3.6	4.0	4.9	5.2	5.4	5.4	5.5‡	6.8	6.9	5.8	5.5	5.3	5.3	6.0	5.0	5.7	5.5	4.3	4.5	3.6	4.6	+0.9 s
College Plans:																									
None or under 4 years	5.0	6.0	5.8	6.0	7.4	9.4	8.6	8.3	8.6	10.0‡	13.5	11.6	9.2	9.6	9.6	10.2	9.9	9.6	11.4	10.6	9.9	10.7	6.4	7.9	+1.5
Complete 4 years	2.8	3.1	2.7	2.8	3.4	3.8	4.3	4.5	4.8	4.9‡	6.4	5.5	4.7	4.5	4.2	4.5	4.7	3.9	4.4	4.4	3.9	3.6	3.4	3.5	+0.1
Region:																									
Northeast	2.7	2.8	3.4	2.8	2.6	3.9	3.6	5.7	5.5	3.9‡	6.2	4.6	4.3	5.0	5.0	3.8	4.1	2.8	3.0	4.0	3.5	3.0	2.9	3.0	+0.2
Midwest	2.4	3.0	2.5	2.6	3.2	4.4	3.7	3.4	4.6	5.4‡	5.6	5.5	4.5	3.5	3.3	4.2	5.3	4.7	5.1	5.1	4.4	4.3	3.9	4.7	+0.8
South	4.2	4.5	3.9	4.2	5.1	5.7	7.3	6.6	6.0	6.9‡	9.6	8.1	7.5	7.3	6.6	6.9	6.5	6.2	6.2	6.1	5.4	5.3	4.3	4.3	0.0
West	2.9	3.2	3.2	3.6	4.3	3.6	3.7	4.1	4.9	5.4‡	6.7	5.8	4.1	4.1	3.8	5.3	4.7	3.7	5.2	4.3	4.2	3.9	3.3	3.2	-0.1
Population Density:																									
Large MSA	3.2	3.3	2.7	2.6	3.2	4.2	3.9	4.1	5.0	5.5‡	5.8	5.1	3.9	3.2	3.5	4.4	4.1	3.3	3.9	4.6	4.0	3.7	3.0	3.6	+0.5
Other MSA	3.0	3.8	3.3	3.9	4.1	4.6	4.4	5.2	5.5	5.4‡	7.0	6.8	5.8	5.7	5.4	5.3	5.8	5.2	5.8	5.2	4.7	4.2	4.1	3.9	-0.2
Non-MSA	3.5	3.3	3.6	3.0	4.7	5.2	7.0	6.0	5.6	6.1‡	9.9	6.7	6.4	6.4	5.3	6.3	6.0	5.1	5.1	5.5	5.1	5.2	3.7	4.5	+0.8
Parental Education: ^c																									
1.0–2.0 (Low)	3.3	5.3	4.8	4.2	5.0	5.9	4.7	6.5	5.0	8.2‡	7.6	7.1	7.5	5.8	5.2	6.6	5.5	5.4	7.4	6.5	4.8	5.5	5.4	5.4	0.0
2.5–3.0	3.6	3.5	3.1	3.3	4.5	5.2	5.3	6.3	5.9	6.2‡	7.9	7.5	7.3	5.6	5.7	6.2	6.4	5.9	5.9	6.7	5.0	5.4	4.6	4.0	-0.6
3.5–4.0	3.2	3.4	3.5	3.4	4.3	5.0	5.5	4.9	5.2	5.6‡	8.1	6.7	5.7	5.7	5.4	5.6	5.7	5.2	5.9	5.8	4.8	5.0	4.4	4.9	+0.5
4.5–5.0	2.5	3.9	2.9	2.9	3.5	4.1	4.2	4.5	5.7	5.2‡	6.7	5.8	4.1	4.6	4.0	4.3	4.9	3.5	4.1	4.0	4.4	3.6	2.4	3.3	+0.9
5.5–6.0 (High)	3.5	2.3	3.1	3.4	3.2	3.6	4.4	4.0	5.3	4.7‡	6.9	4.6	3.4	4.1	4.0	4.3	3.9	3.6	3.6	3.3	4.1	3.2	3.2	2.8	-0.4
Race/Ethnicity (2-year average): ^d																									
White	—	4.0	3.8	3.6	4.1	4.9	5.6	6.0	6.1	6.4	7.0‡	7.6 ^e	7.4	6.5	6.0	6.0	6.2	6.1	5.7	5.8	5.6	5.1	4.4	4.0	-0.4
African American	—	0.9	0.9	0.9	0.8	0.7	0.9	1.0	1.2	1.1	1.5‡	1.5 ^e	1.3	1.3	1.3	1.6	1.3	1.0	1.3	1.8	2.1	1.8	1.7	2.1	+0.4
Hispanic	—	2.9	3.3	3.1	3.1	3.4	3.5	3.5	3.7	4.0	4.0‡	4.3 ^e	4.4	4.5	4.3	3.8	3.3	3.5	4.5	4.9	4.1	4.0	4.2	3.8	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases.

See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

^bIn 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed. Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^cParental education is an average score of mother's education and father's education. See appendix B for details.

^dTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^eDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 77
TRANQUILIZERS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																			→ (Years cont.)
<i>Approximate weighted N =</i>	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Total	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	10.6	10.3	10.8	9.9	9.6	8.7	8.0	7.0	6.9	6.1	6.1	5.8	5.5	4.8	3.8	3.5	3.6	2.8	3.5	3.7
Gender:																				
Male	10.0	9.4	10.2	9.7	9.9	9.0	8.0	6.9	7.0	6.3	6.4	5.9	5.2	4.7	4.0	3.5	3.5	2.7	3.5	4.0
Female	11.1	11.0	11.4	10.1	9.3	8.5	7.7	7.1	6.7	5.8	5.7	5.8	5.8	4.8	3.5	3.5	3.6	3.0	3.3	3.5
College Plans:																				
None or under 4 years	—	11.5	12.3	11.1	11.0	10.7	9.4	8.0	8.0	7.4	6.8	7.2	6.7	5.1	4.8	4.3	4.2	3.9	3.9	4.5
Complete 4 years	—	8.9	9.0	8.6	8.1	7.2	6.9	6.3	5.8	5.2	5.5	5.1	4.9	4.6	3.3	3.2	3.4	2.5	3.3	3.5
Region:																				
Northeast	9.2	9.7	10.4	10.9	11.5	8.6	8.3	7.8	6.8	6.8	7.1	6.4	6.9	4.5	3.7	2.9	3.0	3.0	3.7	3.5
Midwest	10.6	10.1	11.0	8.8	7.5	8.2	7.8	6.2	6.8	5.6	6.0	5.5	4.5	3.7	3.1	2.9	3.0	2.3	2.8	3.1
South	11.3	11.7	11.4	10.5	10.4	9.5	7.8	7.4	7.4	6.9	5.9	6.3	5.7	6.0	4.4	4.3	4.0	3.5	4.2	4.8
West	11.7	8.5	9.6	8.9	9.4	8.6	8.0	6.4	6.2	4.9	5.3	4.8	5.2	4.4	3.4	3.9	4.4	2.3	3.0	2.8
Population Density:																				
Large MSA	11.2	9.6	9.6	10.3	9.9	8.7	8.3	7.0	7.0	5.4	5.8	5.3	5.8	4.7	3.1	3.6	2.5	2.9	2.9	3.9
Other MSA	11.0	11.3	11.4	10.1	10.2	9.3	8.1	7.2	7.2	6.1	6.0	5.7	5.6	5.0	3.5	3.7	4.1	2.7	3.6	3.7
Non-MSA	9.9	9.5	11.0	9.2	8.7	8.0	7.5	6.8	6.5	6.8	6.5	6.4	5.2	4.5	4.9	3.3	3.7	3.1	3.7	3.5
Parental Education: ^b																				
1.0–2.0 (Low)	—	11.2	10.1	9.4	9.4	9.1	7.8	7.1	6.1	6.0	6.5	5.3	6.7	5.7	3.9	3.6	4.0	3.9	3.3	4.2
2.5–3.0	—	9.8	10.3	11.5	10.1	8.8	9.1	8.0	7.3	7.2	6.5	6.2	5.8	5.4	4.6	3.9	3.6	2.8	3.3	3.5
3.5–4.0	—	9.8	11.2	11.1	9.5	10.4	8.9	8.3	6.7	6.9	5.8	6.4	6.5	5.3	4.5	3.4	3.1	2.7	3.5	3.6
4.5–5.0	—	11.3	11.7	11.4	10.5	10.0	8.1	7.4	7.6	6.6	5.8	6.3	4.7	5.9	5.5	3.8	3.9	3.0	3.4	3.7
5.5–6.0 (High)	—	9.3	12.0	10.1	11.0	11.4	10.3	9.1	7.6	7.1	6.3	5.5	5.4	5.4	5.6	4.9	4.0	2.2	4.2	4.2
Race/Ethnicity (2-year average): ^c																				
White	—	—	11.4	11.1	10.5	9.9	9.1	8.3	7.8	7.3	6.8	6.6	6.3	5.9	5.0	4.2	4.1	3.7	3.7	4.2
African American	—	—	4.3	4.2	3.6	3.1	3.0	2.5	2.3	2.1	1.7	1.7	2.0	2.0	1.2	0.7	0.9	1.3	1.0	1.1
Hispanic	—	—	8.4	8.2	7.4	6.4	5.7	5.8	5.1	5.3	5.0	4.4	3.7	2.5	1.6	1.9	2.7	2.4	2.0	2.4

(Table continued on next page.)

TABLE 77 (cont.)
TRANQUILIZERS: ^a Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001 ^d	2002	2003	2004	2005	2006	2007 ^e	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	4.4	4.6	4.7	5.5	5.8	5.7‡	6.9	7.7	6.7	7.3	6.8	6.6	6.2	6.2	6.3	5.6	5.6	5.3	4.6	4.7	+0.1
Gender:																					
Male	4.7	5.0	5.4	6.3	6.9	6.4‡	7.9	8.4	6.9	8.0	7.2	7.1	6.9	6.8	6.8	5.9	5.4	5.1	4.6	4.9	+0.3
Female	4.1	4.0	3.9	4.7	4.8	4.9‡	5.8	6.9	6.3	6.5	6.2	6.1	5.4	5.7	5.7	5.2	5.6	5.5	4.4	4.4	0.0
College Plans:																					
None or under 4 years	5.6	5.6	6.2	6.8	6.4	6.7‡	7.6	9.9	9.6	9.1	10.3	8.5	9.1	9.3	8.7	8.6	9.1	6.7	6.0	5.5	-0.4
Complete 4 years	4.1	4.2	4.0	5.1	5.6	5.2‡	6.7	7.1	6.0	6.8	5.9	6.0	5.5	5.5	5.7	4.9	4.9	4.9	4.2	4.4	+0.2
Region:																					
Northeast	3.9	4.8	5.3	4.9	5.6	5.2‡	5.7	6.8	5.4	6.5	5.7	7.2	5.9	5.3	6.7	5.2	4.8	4.6	4.2	3.3	-0.9
Midwest	4.0	4.4	3.5	3.7	5.1	4.7‡	8.1	6.5	5.5	6.2	7.0	5.8	6.4	5.2	7.0	5.7	6.1	5.3	4.7	4.4	-0.3
South	5.0	5.3	5.4	7.5	7.6	6.7‡	7.4	10.4	8.5	9.0	8.3	7.6	7.0	7.8	6.9	6.4	5.5	5.3	5.0	5.0	0.0
West	4.3	3.0	4.3	4.4	3.9	5.6‡	5.5	5.8	6.6	7.0	4.9	5.3	4.7	5.5	4.1	4.3	5.7	6.0	4.4	5.8	+1.4
Population Density:																					
Large MSA	4.0	3.7	4.2	4.8	4.0	4.7‡	7.9	7.8	4.7	5.5	5.5	6.5	5.9	5.2	5.5	4.9	4.7	5.3	4.5	3.7	-0.8
Other MSA	4.5	4.9	4.8	5.7	6.6	6.2‡	6.4	8.2	7.8	8.5	7.4	6.6	6.4	6.6	6.7	5.8	5.8	5.6	5.2	5.6	+0.5
Non-MSA	4.8	4.7	5.1	5.9	6.5	6.0‡	6.7	6.8	7.4	7.3	7.1	6.9	6.2	6.5	6.3	6.0	6.5	4.9	3.6	4.0	+0.3
Parental Education: ^b																					
1.0–2.0 (Low)	3.9	4.2	3.9	6.4	5.2	6.4‡	5.4	5.2	7.1	5.0	4.3	5.7	6.0	5.9	5.1	5.0	5.4	5.3	4.3	4.4	+0.1
2.5–3.0	4.7	4.0	4.3	5.2	6.2	5.3‡	6.7	7.9	6.5	7.9	7.7	6.9	6.5	5.5	7.0	6.4	5.5	5.9	4.5	5.1	+0.6
3.5–4.0	4.3	4.7	4.6	6.0	6.4	5.6‡	7.7	8.4	7.6	9.0	7.3	6.9	6.4	7.4	6.2	6.1	6.7	5.7	5.8	4.7	-1.0
4.5–5.0	4.5	4.6	5.4	4.9	5.4	5.9‡	7.4	7.9	5.9	7.1	6.8	6.6	6.3	5.7	6.5	5.1	5.2	4.9	4.0	4.8	+0.8
5.5–6.0 (High)	4.1	5.3	5.1	5.5	5.6	5.8‡	6.0	7.9	6.2	5.4	5.9	6.4	5.5	6.0	5.9	4.2	4.6	4.6	4.0	4.4	+0.4
Race/Ethnicity (2-year average): ^c																					
White	4.6	5.1	5.5	6.2	6.8	6.9	7.7‡	9.2 ^f	8.7	8.4	8.6	8.2	7.9	7.9	8.0	7.3	6.8	6.7	5.9	5.1	-0.7
African American	1.2	0.9	0.8	1.0	1.0	0.7	0.6‡	1.1 ^f	1.3	1.7	1.9	1.6	1.3	1.0	1.2	2.2	2.3	1.6	1.7	2.5	+0.7
Hispanic	3.5	4.3	3.8	3.3	3.5	4.3	3.9‡	4.1 ^f	4.5	4.5	4.3	4.3	4.5	4.2	4.0	3.9	3.9	3.9	3.8	4.2	+0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

^dIn 2001, for the tranquilizer list of examples, Miltown was replaced with Xanax. The 2001 data are based on the changed forms only; N is one half of N indicated. In 2002 the remaining forms were changed.

Beginning in 2002, the data are based on all forms. Data for any illicit drug other than marijuana and hallucinogens are also affected by these changes and have been treated in a parallel manner.

^eIn 2007, for the list of tranquilizers, Equanil and meprobamate were replaced with Soma while Atarax, Tranxene, and Vistaril were replaced with Ativan and Klonopin.

^fDue to changes in the question wording in half of the questionnaire forms in 2001, the 2002 entry comprises half of the 2001 sample data double-weighted (the half with the new version of the question) and all of the 2002 sample data.

TABLE 78
OVER-THE-COUNTER COUGH/COLD MEDICINES:
Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months										2013– 2014 change
	1991– 2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	4.2	4.0	3.6	3.8	3.2	2.7	3.0	2.9	2.0	-0.9 s
Gender:											
Male	—	3.4	3.1	2.7	3.7	2.7	2.2	1.7	2.7	1.4	-1.4 ss
Female	—	4.7	5.0	4.3	3.8	3.7	3.1	3.9	3.0	2.5	-0.5
College Plans:											
None or under 4 years	—	11.9	8.0	7.1	12.9	5.9	5.9	6.4	8.2	5.2	-3.0
Complete 4 years	—	3.4	3.6	3.3	3.1	2.9	2.5	2.8	2.6	1.8	-0.8 s
Region:											
Northeast	—	3.4	2.4	2.5	2.7	2.2	2.3	1.6	2.6	1.8	-0.8
Midwest	—	4.5	4.0	3.8	3.8	3.0	2.4	2.6	1.9	1.6	-0.3
South	—	4.2	4.8	4.1	4.5	3.2	2.7	3.9	3.1	2.2	-0.9
West	—	4.4	3.6	3.3	3.3	4.1	3.5	3.0	3.8	2.3	-1.6
Population Density:											
Large MSA	—	3.5	2.7	3.1	3.4	2.6	1.7	3.1	3.6	1.6	-2.0 ss
Other MSA	—	4.4	4.8	3.5	3.8	3.7	3.5	3.0	2.7	2.2	-0.5
Non-MSA	—	4.6	4.2	4.3	4.3	3.0	2.7	2.8	2.3	2.2	0.0
Parental Education: ^a											
1.0–2.0 (Low)	—	6.2	5.7	4.8	9.2	4.1	5.0	4.6	3.1	2.8	-0.3
2.5–3.0	—	5.1	4.5	4.4	4.6	4.0	3.7	3.3	3.9	1.0	-2.9 ss
3.5–4.0	—	4.4	5.4	3.8	4.2	3.1	3.7	4.0	3.2	2.7	-0.5
4.5–5.0	—	3.8	3.4	3.4	3.3	2.1	1.9	1.9	3.2	1.7	-1.5 s
5.5–6.0 (High)	—	3.0	2.0	2.5	1.7	3.3	1.0	2.0	1.5	2.5	+1.0
Race/Ethnicity (2-year average): ^b											
White	—	—	4.5	4.1	3.7	3.3	2.9	2.6	2.6	2.6	0.0
African American	—	—	2.2	2.3	2.7	2.8	2.3	3.0	3.2	2.1	-1.1
Hispanic	—	—	4.4	3.8	3.6	3.9	3.2	3.8	3.9	2.8	-1.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases.

See appendix B for definition of variables in table. Data based on one of four forms;

N is one third of *N* indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 79
OVER-THE-COUNTER COUGH/COLD MEDICINES:
Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months										2013– 2014 change
	1991– 2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	5.3	5.4	5.3	6.0	5.1	5.5	4.7	4.3	3.7	-0.6
Gender:											
Male	—	5.1	4.6	4.9	5.9	5.5	5.4	5.5	4.6	3.8	-0.8
Female	—	5.5	6.3	5.7	6.0	4.9	5.8	4.1	3.5	3.3	-0.3
College Plans:											
None or under 4 years	—	9.9	9.7	11.3	13.5	10.8	13.6	10.2	8.0	9.2	+1.2
Complete 4 years	—	4.6	4.8	4.6	5.2	4.5	4.6	4.2	3.9	3.0	-0.9
Region:											
Northeast	—	4.1	5.8	3.5	4.1	4.4	5.3	4.5	4.4	3.1	-1.4
Midwest	—	4.3	5.4	5.4	6.2	4.9	6.0	4.3	3.5	3.3	-0.2
South	—	6.3	5.9	6.6	6.9	5.0	6.2	5.7	4.2	4.4	+0.2
West	—	6.0	4.7	4.8	6.3	6.3	4.2	4.0	5.1	3.5	-1.6
Population Density:											
Large MSA	—	4.3	4.7	4.3	5.3	5.1	4.1	4.2	4.3	3.8	-0.5
Other MSA	—	5.5	5.6	6.2	6.8	4.7	6.4	4.7	4.0	3.3	-0.7
Non-MSA	—	6.3	6.3	4.7	5.3	6.1	5.9	5.5	5.0	4.3	-0.6
Parental Education: ^a											
1.0–2.0 (Low)	—	5.1	6.4	6.8	9.7	9.3	8.0	6.2	5.4	3.5	-1.9
2.5–3.0	—	6.2	7.4	5.9	7.3	6.0	6.2	5.9	5.3	2.9	-2.4 s
3.5–4.0	—	6.2	6.0	5.0	6.5	5.3	5.5	5.8	5.2	4.7	-0.5
4.5–5.0	—	4.1	4.5	5.6	4.5	3.4	5.1	3.5	3.0	2.9	-0.1
5.5–6.0 (High)	—	5.1	3.0	3.9	5.2	5.1	4.6	3.6	2.9	3.6	+0.8
Race/Ethnicity (2-year average): ^b											
White	—	—	6.0	6.2	6.4	5.8	5.4	5.1	4.7	4.2	-0.4
African American	—	—	3.9	3.1	2.1	2.6	3.8	2.7	2.3	3.6	+1.4
Hispanic	—	—	3.2	4.0	5.5	5.6	5.7	6.5	5.0	3.5	-1.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases.

See appendix B for definition of variables in table. Data based on one of four forms; *N* is one third of *N* indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 80
OVER-THE-COUNTER COUGH/COLD MEDICINES:
Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months										2013– 2014 change
	1991– 2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	6.9	5.8	5.5	5.9	6.6	5.3	5.6	5.0	4.1	-0.9
Gender:											
Male	—	7.6	5.9	6.3	8.1	7.7	5.6	6.1	5.9	4.8	-1.1
Female	—	5.9	5.1	4.7	4.1	5.4	4.7	4.5	4.2	3.3	-0.8
College Plans:											
None or under 4 years	—	8.9	8.3	7.6	7.1	8.6	7.3	8.4	7.3	4.3	-3.0 s
Complete 4 years	—	6.2	5.2	4.9	5.5	6.1	4.9	4.8	4.4	3.9	-0.5
Region:											
Northeast	—	5.9	7.8	4.4	5.1	7.4	5.6	4.9	5.1	3.8	-1.2
Midwest	—	6.6	6.8	4.4	6.7	5.9	6.1	5.8	4.6	4.3	-0.3
South	—	7.6	5.2	6.7	6.2	6.6	5.5	5.6	5.7	4.6	-1.2
West	—	6.7	4.2	5.8	4.8	6.6	4.1	5.8	4.5	3.5	-1.0
Population Density:											
Large MSA	—	7.6	5.4	4.9	5.7	6.3	5.2	5.9	5.0	2.8	-2.2 s
Other MSA	—	6.0	5.9	5.5	6.6	6.8	5.4	5.2	4.9	4.8	-0.1
Non-MSA	—	7.5	6.1	6.4	4.4	6.2	5.4	6.0	5.4	4.3	-1.0
Parental Education: ^a											
1.0–2.0 (Low)	—	7.7	7.2	6.8	7.8	7.4	7.3	5.7	5.9	3.6	-2.3
2.5–3.0	—	6.2	6.7	5.0	6.1	6.2	5.7	5.5	4.3	5.6	+1.3
3.5–4.0	—	7.7	4.6	6.3	5.7	7.9	4.9	5.6	6.3	2.8	-3.5 sss
4.5–5.0	—	6.7	6.8	4.8	5.6	5.3	4.9	6.0	4.1	4.5	+0.4
5.5–6.0 (High)	—	4.9	4.0	4.4	5.1	5.9	5.6	5.3	3.9	4.1	+0.2
Race/Ethnicity (2-year average): ^b											
White	—	—	6.3	5.8	5.9	6.4	6.2	5.6	5.3	4.5	-0.9
African American	—	—	5.0	4.2	4.5	4.6	4.6	3.8	3.7	4.5	+0.9
Hispanic	—	—	7.9	6.0	6.0	7.1	5.4	5.4	5.8	3.8	-1.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data are based on two of six forms; *N* is two sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 81
ROHYPNOL: Trends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																				2013– 2014 change
	1991– 1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	1.0	0.8	0.8	0.5	0.5	0.7	0.3	0.5	0.6	0.7	0.5	0.7	0.5	0.4	0.5	0.8	0.4	0.4	0.3	-0.1
Gender:																					
Male	—	1.1	0.7	0.8	0.6	0.5	0.6	0.2	0.4	0.5	0.7	0.7	0.6	0.6	0.4	0.3	0.7	0.4	0.5	0.3	-0.3
Female	—	1.0	0.9	0.9	0.2	0.6	0.7	0.2	0.4	0.7	0.7	0.4	0.7	0.3	0.4	0.7	0.8	0.3	0.3	0.4	+0.1
College Plans:																					
None or under 4 years	—	2.5	1.5	3.0	0.9	2.2	2.0	1.0	1.3	2.4	1.8	1.1	3.3	2.6	2.4	0.5	1.8	3.1	2.2	0.9	-1.3
Complete 4 years	—	0.8	0.7	0.6	0.4	0.4	0.5	0.2	0.4	0.4	0.6	0.5	0.4	0.3	0.2	0.5	0.7	0.2	0.3	0.3	0.0
Region:																					
Northeast	—	0.9	0.3	0.9	0.3	0.6	0.9	0.2	0.2	0.3	0.6	1.4	0.1	0.0	0.0	0.5	0.9	0.4	0.5	0.2	-0.3
Midwest	—	0.9	0.8	0.8	0.3	0.4	1.0	0.4	0.2	0.8	0.6	0.0	0.8	0.7	0.6	0.4	0.6	0.1	0.0	0.5	+0.5
South	—	1.3	1.1	0.9	0.7	0.9	0.6	0.4	0.6	0.5	0.5	0.6	0.7	0.6	0.4	0.7	0.4	0.6	0.5	0.2	-0.3
West	—	1.0	0.7	0.8	0.5	*	0.4	0.1	0.7	0.7	1.1	0.2	0.8	0.5	0.5	0.5	1.7	0.4	0.6	0.4	-0.3
Population Density:																					
Large MSA	—	1.2	0.8	0.7	0.4	0.9	1.2	0.1	0.1	0.5	0.4	0.6	0.4	0.6	0.1	0.4	1.1	0.4	0.3	0.2	-0.1
Other MSA	—	1.1	0.9	1.0	0.6	0.5	0.5	0.3	0.4	0.8	0.7	0.5	0.8	0.5	0.6	0.7	0.7	0.3	0.6	0.3	-0.2
Non-MSA	—	0.8	0.7	0.8	0.3	0.2	0.4	0.5	1.0	0.3	1.0	0.5	0.8	0.4	0.4	0.3	0.5	0.6	0.2	0.4	+0.2
Parental Education: ^a																					
1.0–2.0 (Low)	—	2.0	2.1	2.2	0.2	0.9	1.3	0.9	1.8	2.4	0.6	0.7	0.5	0.7	1.4	1.4	0.3	1.6	0.3	0.7	+0.4
2.5–3.0	—	1.1	1.1	0.8	0.3	0.8	0.3	0.0	0.9	0.1	1.3	0.1	0.5	0.5	0.0	0.0	1.0	0.5	0.7	0.4	-0.3
3.5–4.0	—	1.2	0.7	0.9	0.6	0.2	1.2	0.2	0.1	0.2	0.4	0.7	0.7	0.7	0.3	0.6	1.0	0.4	0.4	0.2	-0.2
4.5–5.0	—	0.8	0.6	0.6	0.5	0.4	0.7	0.6	0.4	0.6	0.9	0.1	0.9	0.2	0.6	0.6	0.6	0.3	0.7	0.1	-0.6
5.5–6.0 (High)	—	0.8	0.5	0.9	0.7	0.9	0.2	0.2	0.0	0.1	0.5	1.5	0.4	0.3	0.1	0.4	1.0	0.2	0.0	0.4	+0.4
Race/Ethnicity (2-year average): ^b																					
White	—	—	0.9	0.8	0.7	0.5	0.6	0.5	0.4	0.4	0.5	0.5	0.4	0.5	0.6	0.4	0.3	0.4	0.4	0.3	-0.1
African American	—	—	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.9	0.7	0.2	0.2	0.2	0.2	0.1	0.3	0.7	0.6	0.6	0.0
Hispanic	—	—	1.4	1.5	1.5	0.6	0.9	0.8	0.4	1.0	0.8	0.6	1.1	1.0	0.5	0.8	1.6	1.2	0.3	0.4	+0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. '**' indicates less than 0.05% but greater than 0%. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S1. Data based on three of four forms in 1997–1998; N is two thirds of N indicated in Table S1. Data based on two of four forms in 1999–2001; N is one third of N indicated in Table S1. Data based on one of four forms beginning in 2002; N is one sixth of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 82
ROHNPOL: Trends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																				2013– 2014 change
	1991– 1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	1.1	1.3	1.2	1.0	0.8	1.0	0.7	0.6	0.7	0.5	0.5	0.7	0.4	0.4	0.6	0.6	0.5	0.6	0.5	0.0
Gender:																					
Male	—	1.1	1.4	1.4	1.2	1.0	1.1	0.4	0.7	0.8	0.3	0.4	0.7	0.3	0.3	0.6	0.8	0.4	0.7	0.7	0.0
Female	—	1.1	1.1	1.1	0.9	0.6	0.9	0.9	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	-0.1
College Plans:																					
None or under 4 years	—	2.9	2.7	2.9	2.8	1.4	2.8	0.5	0.3	1.4	1.6	1.5	1.4	0.5	0.9	1.2	0.9	2.3	0.6	1.8	+1.1
Complete 4 years	—	0.8	1.1	0.9	0.8	0.6	0.7	0.7	0.6	0.6	0.3	0.4	0.6	0.4	0.4	0.5	0.6	0.3	0.6	0.4	-0.1
Region:																					
Northeast	—	0.6	0.7	0.9	0.4	0.6	0.9	0.4	1.0	0.8	0.7	0.3	0.5	0.7	0.2	0.9	0.6	0.8	0.3	0.1	-0.2
Midwest	—	0.5	0.8	1.0	0.9	0.4	0.9	0.3	0.2	0.3	0.2	1.0	1.4	0.2	0.9	0.3	0.5	0.3	1.1	0.5	-0.6
South	—	1.9	2.4	2.0	1.8	1.2	1.0	0.4	0.8	0.9	0.7	0.7	0.5	0.4	0.3	0.8	0.8	0.5	0.4	0.8	+0.3
West	—	1.1	0.6	0.5	0.6	0.7	1.3	2.0	0.4	0.9	0.2	0.0	0.4	0.4	0.3	0.2	0.6	0.5	0.4	0.7	+0.3
Population Density:																					
Large MSA	—	1.1	1.3	1.3	0.9	0.9	1.2	0.7	0.3	0.6	0.3	0.2	0.7	0.1	0.3	0.5	0.7	0.5	0.8	0.3	-0.5
Other MSA	—	1.4	1.3	1.3	1.3	0.9	0.8	0.9	0.4	0.7	0.5	0.7	0.6	0.7	0.5	0.7	0.5	0.4	0.4	0.4	+0.1
Non-MSA	—	0.6	1.3	1.0	0.7	0.5	1.2	0.3	1.5	0.8	0.5	0.8	0.9	0.3	0.4	0.4	0.9	0.5	0.7	1.3	+0.6
Parental Education: ^a																					
1.0–2.0 (Low)	—	1.7	1.3	1.7	1.2	1.3	2.3	0.4	1.3	0.4	1.1	1.4	0.4	1.2	0.2	0.7	0.0	0.8	0.6	0.6	0.0
2.5–3.0	—	1.0	1.1	1.6	1.6	0.5	1.1	0.9	0.7	0.4	0.5	0.3	0.6	0.3	0.4	0.3	0.6	0.8	0.5	1.3	+0.8
3.5–4.0	—	1.5	1.6	1.0	0.8	0.8	0.7	1.0	0.9	1.0	0.4	0.7	0.5	0.5	0.9	0.4	0.5	0.0	0.8	0.8	0.0
4.5–5.0	—	0.7	1.5	0.9	0.6	0.7	1.1	0.7	0.2	0.6	0.6	0.3	0.6	0.2	0.1	0.6	1.2	0.2	0.6	0.1	-0.5
5.5–6.0 (High)	—	1.1	0.8	1.3	1.1	0.8	0.3	0.2	0.4	1.0	0.0	0.0	1.1	0.6	0.6	1.0	0.0	1.1	0.4	0.0	-0.4
Race/Ethnicity (2-year average): ^b																					
White	—	—	1.4	1.5	1.5	1.0	1.0	1.0	0.6	0.9	0.8	0.5	0.6	0.5	0.5	0.6	0.8	0.6	0.5	0.7	+0.2
African American	—	—	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2	0.4	0.3	0.0	0.0	0.1	0.3	0.5	0.3	0.1	0.5	+0.3
Hispanic	—	—	1.0	1.2	1.1	0.7	0.9	1.0	0.7	0.3	0.2	0.6	0.8	0.6	0.3	0.4	0.3	0.3	0.5	0.7	+0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1996; N is one half of N indicated in Table S2. Data based on three of four forms in 1997–1998; N is two thirds of N indicated in Table S2. Data based on two of four forms in 1999–2001; N is one third of N indicated in Table S2. Data based on one of four forms beginning in 2002; N is one sixth of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 83
ROHYPNOL: Trends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																				2013– 2014 change
	1975– 1995	1996	1997	1998	1999	2000	2001 ^a	2002 ^a	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	1.1	1.2	1.4	1.0	0.8	0.9‡	1.6	1.3	1.6	1.2	1.1	1.0	1.3	1.0	1.5	1.3	1.5	0.9	0.7	-0.2
Gender:																					
Male	—	1.8	1.2	1.7	1.0	0.8	1.1‡	2.3	2.0	2.3	1.5	1.3	0.9	1.5	1.1	2.2	2.0	1.2	0.9	0.9	0.0
Female	—	0.3	1.1	1.1	1.0	0.7	0.6‡	1.0	0.5	0.7	0.8	0.5	0.7	0.8	0.8	0.7	0.5	0.7	0.7	0.4	-0.3
College Plans:																					
None or under 4 years	—	1.4	0.5	1.8	1.0	0.1	1.2‡	2.5	2.1	3.0	2.4	1.6	1.8	2.3	1.8	3.8	1.7	2.7	1.7	0.6	-1.1
Complete 4 years	—	0.8	1.3	1.3	1.0	0.9	0.8‡	1.4	0.9	1.0	0.9	0.8	0.7	1.0	0.8	0.9	1.2	0.8	0.6	0.7	+0.2
Region:																					
Northeast	—	0.9	0.6	1.2	0.8	0.3	1.7‡	1.2	1.4	0.8	1.1	1.3	1.7	0.8	0.7	2.2	1.9	0.9	0.9	1.3	+0.4
Midwest	—	1.0	0.5	1.0	0.8	0.9	0.5‡	1.8	1.2	1.3	1.7	0.8	0.9	1.0	1.3	1.5	0.6	1.1	1.0	0.5	-0.5
South	—	1.8	2.2	2.6	1.6	1.3	1.0‡	1.5	1.4	2.1	1.3	1.3	1.0	2.0	1.1	1.0	1.7	2.3	1.0	0.7	-0.3
West	—	0.1	0.8	0.0	0.2	0.1	0.8‡	2.0	1.1	1.8	0.6	1.3	0.5	0.9	0.5	1.8	1.0	1.1	0.7	0.3	-0.3
Population Density:																					
Large MSA	—	1.3	0.9	0.8	0.3	0.3	1.0‡	1.6	1.1	1.8	1.4	1.2	1.0	0.6	1.0	1.5	0.7	1.4	0.5	0.7	+0.1
Other MSA	—	1.3	1.5	2.2	1.4	1.1	1.2‡	2.0	1.7	1.6	1.2	1.0	1.1	1.8	1.2	1.5	1.4	1.1	0.9	0.8	-0.1
Non-MSA	—	0.7	0.7	0.6	0.9	0.7	0.3‡	1.1	0.9	1.2	1.1	1.4	0.8	1.0	0.4	1.3	1.8	2.6	1.5	0.4	-1.0
Parental Education: ^b																					
1.0–2.0 (Low)	—	1.6	0.4	0.6	4.7	0.0	4.2‡	3.7	2.8	3.4	3.9	1.2	1.3	1.6	2.1	1.0	3.6	1.4	2.1	3.2	+1.2
2.5–3.0	—	0.5	0.6	1.0	0.3	0.4	0.4‡	2.9	1.8	1.8	1.2	1.2	0.8	1.7	1.2	1.2	1.0	1.1	1.2	0.5	-0.8
3.5–4.0	—	0.8	1.4	1.1	1.1	1.5	0.8‡	0.8	1.2	1.5	1.4	1.0	0.5	1.3	0.8	1.3	1.1	1.4	0.3	0.3	-0.1
4.5–5.0	—	0.9	1.7	2.7	0.3	0.6	0.8‡	1.6	0.9	0.6	0.3	1.2	1.4	0.7	0.4	1.4	1.0	1.4	0.4	0.5	0.0
5.5–6.0 (High)	—	1.8	1.7	1.4	0.7	0.0	0.2‡	0.8	0.2	1.5	0.9	0.7	0.9	0.6	0.9	2.0	1.0	1.1	0.0	0.0	0.0
Race/Ethnicity (2-year average): ^c																					
White	—	—	1.2	1.6	1.5	0.9	0.8‡	—	1.5	1.3	1.1	0.9	0.7	0.9	1.0	1.1	1.3	0.9	0.7	0.4	-0.2
African American	—	—	0.1	0.0	0.2	0.4	0.2‡	—	0.8	1.2	1.7	1.3	1.6	2.1	1.7	1.2	1.3	1.8	2.0	1.9	-0.1
Hispanic	—	—	2.0	1.3	1.0	0.6	1.3‡	—	1.6	1.7	1.9	2.1	1.5	0.8	1.3	1.5	1.0	1.5	1.4	0.8	-0.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1996–2001; N is one sixth of N indicated in Table S3. Data based on two of six forms beginning in 2002; N is two sixths of N indicated in Table S3. Data based on one of six forms beginning in 2010; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aThe 2001 and 2002 data are not comparable due to changes in the questionnaire forms.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 84
ALCOHOL: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days																							2013– 2014 change	
	1991	1992	1993 ^a	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 ^a	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	25.1	26.1‡	24.3	25.5	24.6	26.2	24.5	23.0	24.0	22.4	21.5	19.6	19.7	18.6	17.1	17.2	15.9	15.9	14.9	13.8	12.7	11.0	10.2	9.0	-1.3
Gender:																									
Male	26.3	26.3‡	25.3	26.5	25.0	26.6	25.2	24.0	24.8	22.5	22.3	19.1	19.4	17.9	16.2	16.3	15.6	15.4	14.7	13.2	12.1	10.3	9.3	8.2	-1.0
Female	23.8	25.9‡	23.7	24.7	24.0	25.8	23.9	21.9	23.3	22.0	20.6	20.0	19.8	19.0	17.9	17.6	16.0	16.4	14.9	14.3	12.8	11.6	11.2	9.5	-1.7
College Plans:																									
None or under 4 years	37.2	39.6‡	41.1	41.4	40.0	41.7	40.2	41.2	41.6	38.3	37.0	35.3	35.3	32.6	32.6	30.8	33.5	30.4	31.7	25.7	24.6	23.3	23.6	17.0	-6.6 s
Complete 4 years	23.1	24.2‡	22.2	23.6	22.6	24.0	22.8	21.0	22.0	20.4	19.7	18.2	18.1	17.2	15.5	15.8	14.3	14.7	13.5	12.8	11.7	10.0	9.4	8.3	-1.1
Region:																									
Northeast	24.3	23.8‡	21.0	25.4	24.1	26.9	24.8	21.2	25.7	25.6	23.3	19.3	18.4	18.0	14.5	16.9	12.9	15.9	15.3	13.3	8.8	9.3	9.1	7.6	-1.4
Midwest	26.6	28.3‡	24.7	24.2	24.7	26.9	22.8	23.9	25.7	24.1	21.2	19.1	21.9	19.3	16.9	17.0	15.5	16.1	13.0	12.2	11.7	7.8	8.5	8.9	+0.3
South	25.1	26.8‡	25.4	25.6	25.5	26.3	26.4	23.8	24.4	20.9	22.8	21.6	20.8	18.8	19.0	18.5	17.1	18.2	17.4	15.7	14.2	13.3	12.5	9.8	-2.7 s
West	23.1	23.5‡	25.6	27.2	23.1	24.8	22.7	22.2	19.8	20.2	18.1	17.0	16.0	17.9	16.4	15.3	15.9	12.6	12.5	12.5	14.2	11.5	9.1	8.6	-0.4
Population Density:																									
Large MSA	25.4	27.4‡	21.2	23.8	22.3	24.9	23.1	21.4	21.7	21.2	19.4	17.4	18.2	18.1	17.2	16.6	14.8	15.2	12.9	13.5	11.5	10.3	9.5	8.8	-0.7
Other MSA	24.3	26.1‡	26.0	27.4	25.3	27.4	24.9	22.4	23.4	21.3	21.5	20.1	19.4	19.1	17.9	17.4	16.1	16.3	15.9	14.0	13.1	11.8	10.4	9.0	-1.4
Non-MSA	26.2	24.2‡	24.9	23.8	26.0	25.7	25.4	26.0	28.1	26.1	24.1	21.4	22.3	18.1	15.6	17.5	16.8	16.2	15.5	13.5	13.6	10.6	11.1	9.2	-1.9
Parental Education: ^b																									
1.0–2.0 (Low)	30.7	32.8‡	28.0	33.5	30.8	28.1	29.7	28.9	30.7	30.2	28.5	27.6	25.5	24.2	23.8	24.1	26.1	25.5	22.8	19.2	19.7	17.1	16.2	11.3	-4.9 ss
2.5–3.0	27.0	27.2‡	28.0	27.4	27.8	30.1	26.2	26.5	27.9	26.3	27.0	23.2	24.0	22.1	20.4	20.0	20.3	19.3	18.3	17.4	16.6	15.3	13.2	11.5	-1.7
3.5–4.0	25.1	26.3‡	25.9	26.7	26.8	27.6	27.8	24.5	25.2	23.0	23.3	21.2	22.0	20.0	18.8	19.0	16.9	16.8	16.8	15.3	14.1	11.7	12.7	10.7	-1.9
4.5–5.0	22.8	24.6‡	20.6	22.6	21.0	25.0	22.6	20.2	20.4	18.4	17.2	17.0	16.0	16.3	14.6	13.9	11.6	13.4	11.5	11.4	9.5	8.9	7.5	7.6	+0.1
5.5–6.0 (High)	24.0	25.2‡	22.3	23.6	20.5	21.5	20.5	21.3	22.1	19.0	16.4	15.1	15.7	15.8	13.1	13.8	11.2	11.5	10.4	9.2	9.3	7.3	7.4	6.5	-0.9
Race/Ethnicity (2-year average): ^c																									
White	—	26.6	27.1‡	25.3	25.4	26.6	26.7	24.8	24.7	24.7	23.2	21.5	20.1	19.2	17.9	16.9	15.6	15.2	15.4	13.9	12.3	10.7	9.5	9.0	-0.4
African American	—	18.6	19.7‡	19.4	18.7	18.1	17.9	16.1	16.1	16.0	15.0	14.8	15.5	16.2	14.9	13.1	12.3	12.9	12.3	11.8	11.6	10.0	9.7	8.8	-0.9
Hispanic	—	31.0	32.3‡	33.5	32.4	29.7	29.8	29.5	29.0	26.7	25.7	26.5	25.3	23.5	20.6	21.2	23.0	21.5	19.2	18.1	18.0	17.5	14.3	11.2	-3.1 s

^aSource. The Monitoring the Future study, the University of Michigan.

^bNotes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; *N* is one half of *N* indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change.

The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 85
ALCOHOL: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days																							2013– 2014 change	
	1991	1992	1993 ^a	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 ^a	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	42.8	39.9‡	38.2	39.2	38.8	40.4	40.1	38.8	40.0	41.0	39.0	35.4	35.4	35.2	33.2	33.8	33.4	28.8	30.4	28.9	27.2	27.6	25.7	23.5	-2.2 s
Gender:																									
Male	45.5	41.6‡	40.6	43.5	39.7	42.6	42.5	40.0	42.3	43.3	41.1	35.3	35.3	36.3	32.8	33.8	33.4	28.6	31.0	30.1	28.2	28.0	26.0	23.0	-3.0 s
Female	40.2	38.3‡	35.6	34.8	37.8	38.3	37.9	37.7	38.1	38.6	36.8	35.7	35.3	34.0	33.6	33.8	33.3	29.0	29.8	27.7	26.0	27.1	25.3	23.9	-1.4
College Plans:																									
None or under 4 years	53.6	49.5‡	48.6	52.0	52.2	53.3	51.6	52.4	53.7	53.9	52.2	47.1	46.6	47.5	44.9	44.8	47.4	44.6	45.5	45.6	41.4	40.9	37.1	37.0	-0.2
Complete 4 years	40.6	37.9‡	36.1	36.4	36.4	38.3	38.1	36.5	37.9	39.1	36.8	33.5	33.6	33.6	31.6	32.5	31.7	26.9	28.8	26.9	25.6	26.3	24.4	22.1	-2.3 s
Region:																									
Northeast	48.0	42.3‡	42.4	37.4	38.3	41.4	41.1	41.6	44.8	42.0	37.8	36.3	38.7	40.4	37.0	35.7	36.2	31.4	30.5	29.5	31.5	33.3	28.4	27.0	-1.5
Midwest	43.5	40.3‡	37.4	39.6	38.9	39.1	38.6	37.6	40.9	42.5	41.0	35.7	34.4	30.9	31.9	33.7	34.4	29.5	28.9	27.4	23.2	24.5	22.4	20.4	-2.0
South	41.7	38.2‡	38.0	40.5	39.4	41.7	40.8	39.9	38.8	39.1	38.3	33.7	34.8	36.4	33.4	32.8	31.2	29.0	32.2	29.9	27.7	28.3	27.4	24.3	-3.1
West	39.6	39.8‡	35.6	38.2	38.0	38.9	39.9	35.5	36.1	41.1	38.2	37.2	34.1	33.7	30.7	33.9	32.9	25.9	29.0	28.7	27.5	24.9	24.6	22.6	-2.0
Population Density:																									
Large MSA	43.6	40.4‡	39.0	36.3	34.6	37.9	37.8	34.2	39.7	42.4	37.6	32.0	33.1	32.0	31.1	32.5	31.8	27.4	30.3	29.3	26.5	27.4	24.8	23.3	-1.5
Other MSA	41.4	38.6‡	36.2	40.1	39.9	41.0	40.2	39.0	39.7	39.3	38.3	35.2	35.6	37.0	34.4	34.5	33.3	28.7	29.7	28.4	27.7	26.9	26.5	24.0	-2.5
Non-MSA	44.8	41.9‡	41.3	40.6	41.3	42.1	42.6	43.7	41.0	42.4	41.8	40.4	38.3	35.8	33.5	34.4	36.2	31.1	31.9	29.4	27.1	29.1	24.9	22.6	-2.3
Parental Education: ^b																									
1.0–2.0 (Low)	42.1	40.4‡	37.5	38.6	43.5	43.2	39.2	39.9	40.6	41.1	38.6	38.2	38.4	38.6	36.5	33.1	36.5	35.5	37.4	34.2	30.3	32.2	29.4	26.3	-3.0
2.5–3.0	43.9	40.9‡	40.6	41.5	42.3	42.6	41.1	41.2	42.3	42.8	41.4	38.0	37.4	38.5	36.0	38.0	37.0	30.9	32.9	33.1	30.2	28.6	30.3	25.0	-5.3 ss
3.5–4.0	44.2	40.0‡	38.0	40.6	38.8	42.2	41.6	40.1	40.2	42.8	41.0	36.4	36.6	37.5	33.5	35.6	35.6	30.4	31.3	30.3	29.4	28.6	26.8	26.2	-0.6
4.5–5.0	40.7	39.4‡	36.2	37.7	37.9	37.8	39.3	36.9	38.7	40.2	37.0	33.7	32.7	32.6	31.8	32.0	31.5	25.9	28.2	26.3	24.3	27.6	22.6	21.3	-1.2
5.5–6.0 (High)	44.9	41.7‡	39.3	35.4	34.3	39.6	38.9	37.0	40.9	39.0	37.1	32.0	34.1	32.4	31.8	31.7	28.8	26.2	27.4	24.5	24.0	26.2	23.4	22.1	-1.3
Race/Ethnicity (2-year average): ^c																									
White	—	44.1	43.1‡	40.4	41.0	42.2	43.0	42.7	43.0	43.9	42.7	40.0	38.7	37.8	37.0	36.3	35.9	33.3	31.5	30.8	29.1	29.1	28.2	26.4	-1.8
African American	—	30.2	29.3‡	29.7	28.0	23.9	24.6	25.1	24.4	24.7	25.3	24.3	23.7	24.6	23.0	21.5	21.7	20.6	20.2	20.7	20.8	20.2	19.0	16.6	-2.4
Hispanic	—	41.0	39.9‡	37.7	40.5	44.0	42.8	39.4	39.6	40.5	40.2	37.9	37.1	39.5	38.2	36.1	34.8	33.7	34.1	34.9	31.8	28.4	28.8	27.1	-1.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. † ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change.

The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 86
ALCOHOL: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			→	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^a	1994	(Years cont.)
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	68.2	68.3	71.2	72.1	71.8	72.0	70.7	69.7	69.4	67.2	65.9	65.3	66.4	63.9	60.0	57.1	54.0	51.3‡	48.6	50.1	
Gender:																					
Male	75.0	74.5	77.8	77.5	76.7	77.4	75.7	74.1	74.4	71.4	69.8	69.0	69.9	68.0	65.1	61.3	58.4	55.8‡	54.2	55.5	
Female	62.2	61.8	65.0	67.1	67.0	66.8	65.7	65.4	64.3	62.8	62.1	61.9	63.1	59.9	54.9	52.3	49.0	46.8‡	43.4	45.2	
College Plans:																					
None or under 4 years	—	69.9	72.8	72.7	72.2	73.5	72.1	71.6	70.5	69.0	67.9	66.6	68.6	65.0	61.6	58.7	57.1	54.9‡	52.4	53.6	
Complete 4 years	—	66.5	69.4	71.6	71.4	70.8	70.0	68.6	68.1	65.7	64.6	64.8	65.7	63.6	59.1	56.4	52.7	50.0‡	47.4	48.9	
Region:																					
Northeast	76.9	75.7	76.6	78.0	81.1	79.4	80.4	76.7	74.4	73.6	72.3	67.6	69.1	66.7	61.7	65.3	59.6	51.5‡	56.1	53.1	
Midwest	71.1	73.2	76.4	77.2	73.9	75.1	73.6	75.0	74.4	70.6	66.8	71.3	70.7	67.9	65.9	61.5	59.7	58.0‡	51.6	53.8	
South	62.8	60.2	64.7	67.0	65.7	65.5	62.9	61.3	64.3	62.1	60.0	58.2	60.7	58.6	55.1	51.0	49.1	48.1‡	47.7	49.2	
West	60.0	62.2	64.4	63.1	65.5	67.6	65.3	63.8	62.9	63.6	66.2	64.5	66.7	65.0	59.3	51.6	49.7	46.7‡	39.8	44.2	
Population Density:																					
Large MSA	75.3	72.6	74.0	75.5	77.3	78.0	75.5	72.9	69.2	66.6	67.4	66.2	66.3	63.8	56.9	59.2	52.9	49.0‡	50.6	49.5	
Other MSA	68.5	67.0	72.0	72.7	72.0	70.8	69.1	69.3	69.8	66.2	65.1	64.8	66.9	64.1	60.7	57.4	55.7	50.8‡	47.1	49.2	
Non-MSA	63.2	66.5	67.8	68.4	67.3	69.0	68.9	67.6	69.0	69.0	65.9	65.2	65.5	63.8	61.7	54.4	52.0	54.1‡	49.8	52.5	
Parental Education: ^b																					
1.0–2.0 (Low)	58.7	62.5	62.0	62.7	64.6	65.9	62.1	61.3	61.2	58.1	58.7	56.1	56.3	54.5	47.8	47.2	49.9	45.6‡	36.6	43.5	
2.5–3.0	70.0	71.4	72.5	71.9	71.1	72.0	70.7	69.4	69.2	67.4	65.9	65.3	67.0	64.6	59.7	57.2	53.3	52.3‡	49.0	49.9	
3.5–4.0	69.2	67.9	73.5	75.0	74.6	73.3	71.5	72.7	70.4	69.6	66.9	66.7	67.2	64.3	62.9	57.7	54.3	51.2‡	51.2	50.1	
4.5–5.0	69.6	71.3	74.5	77.0	76.0	74.4	73.1	74.5	73.1	69.3	68.9	68.0	68.8	66.0	62.1	60.8	54.8	51.0‡	49.8	52.6	
5.5–6.0 (High)	67.3	72.5	77.1	79.2	75.9	77.2	77.4	74.1	75.0	70.3	67.9	69.9	70.5	67.3	62.2	60.8	58.0	55.7‡	53.2	52.2	
Race/Ethnicity (2-year average): ^c																					
White	—	—	72.8	75.0	75.3	75.4	75.4	74.6	73.9	72.8	71.2	70.2	71.0	70.6	67.3	63.8	60.0	56.8	55.6‡	54.0	
African American	—	—	49.5	48.7	47.2	47.6	46.7	46.0	47.7	45.5	42.8	42.1	39.4	39.8	39.5	35.8	33.7	31.7	32.4‡	33.8	
Hispanic	—	—	63.0	64.5	63.8	63.6	62.0	60.3	59.1	59.7	58.1	56.3	57.2	57.8	52.9	49.1	51.5	53.8	50.5‡	45.9	

(Table continued on next page.)

TABLE 86 (cont.)
ALCOHOL: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 ^c	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	51.3	50.8	52.7	52.0	51.0	50.0	49.8	48.6	47.5	48.0	47.0	45.3	44.4	43.1	43.5	41.2	40.0	41.5	39.2	37.4	-1.8
Gender:																					
Male	55.7	54.8	56.2	57.3	55.3	54.0	54.7	52.3	51.7	51.1	50.7	47.3	47.1	45.8	47.8	44.2	42.1	43.8	41.8	37.4	-4.4 ss
Female	47.0	46.9	48.9	46.9	46.8	46.1	45.1	45.1	43.8	45.1	43.3	43.0	41.4	40.9	38.9	37.9	37.5	38.8	36.3	37.1	+0.8
College Plans:																					
None or under 4 years	55.9	54.8	56.1	56.0	55.2	54.3	55.5	53.0	55.4	52.1	52.8	54.0	48.6	49.7	51.0	47.9	45.2	44.2	45.3	40.2	-5.1 s
Complete 4 years	49.6	49.3	51.4	50.9	49.8	48.3	47.9	47.4	45.2	47.0	45.5	43.2	43.3	41.7	41.6	39.3	38.8	40.7	37.9	36.6	-1.2
Region:																					
Northeast	55.0	56.5	56.7	56.2	57.2	58.0	54.3	50.9	51.6	53.9	54.5	52.4	51.8	49.1	48.4	49.2	46.3	48.1	45.7	41.6	-4.1
Midwest	55.3	51.5	51.5	51.9	51.1	52.3	54.5	52.1	50.8	49.5	48.0	46.3	47.9	42.8	45.0	40.8	41.2	41.8	39.0	40.2	+1.2
South	50.6	51.1	51.1	51.4	49.5	44.9	45.9	46.8	43.0	43.5	43.9	43.2	43.1	42.9	42.0	39.6	37.5	36.6	35.4	34.6	-0.8
West	43.2	42.1	52.7	49.2	47.8	48.3	44.9	45.0	47.0	47.3	43.6	41.3	36.6	39.2	39.2	37.4	38.0	43.1	39.8	36.1	-3.7
Population Density:																					
Large MSA	50.6	51.6	51.1	49.1	48.9	51.2	49.7	50.3	43.0	44.1	46.6	47.6	47.1	46.1	46.7	42.4	41.1	44.1	39.2	37.7	-1.4
Other MSA	50.6	50.1	53.4	53.9	52.8	48.8	49.6	48.8	49.6	51.7	47.6	43.9	42.1	40.4	41.5	41.6	41.1	41.8	40.8	38.7	-2.1
Non-MSA	53.4	51.4	52.9	51.6	50.1	50.8	50.0	45.9	49.6	45.5	46.1	44.7	45.2	45.8	43.7	38.5	35.8	36.9	35.3	33.7	-1.6
Parental Education: ^b																					
1.0–2.0 (Low)	45.9	41.2	43.8	43.8	46.8	43.4	42.9	42.2	43.6	42.1	38.2	44.4	38.3	41.4	39.8	36.4	36.7	41.4	36.1	32.5	-3.6
2.5–3.0	52.0	48.2	51.0	50.1	50.5	50.0	49.0	47.9	47.8	46.8	47.8	46.7	46.0	42.4	43.4	42.4	38.8	41.4	40.3	38.2	-2.2
3.5–4.0	50.6	51.4	52.1	55.6	51.1	51.3	51.4	50.9	47.9	52.4	47.8	46.3	43.6	43.2	46.9	41.6	41.2	42.7	41.1	37.9	-3.2
4.5–5.0	51.8	53.6	55.3	52.4	50.2	48.1	51.5	48.9	47.5	47.7	50.2	42.9	45.0	43.9	42.0	42.1	40.1	41.7	39.5	38.7	-0.8
5.5–6.0 (High)	55.1	54.2	57.4	54.7	56.0	54.0	49.5	51.1	49.3	47.4	46.0	48.2	47.6	45.9	43.3	38.4	41.9	41.1	38.7	40.6	+2.0
Race/Ethnicity (2-year average): ^c																					
White	54.5	54.8	56.4	57.7	56.3	55.1	55.3	54.0	52.3	52.2	52.3	50.7	49.3	48.6	47.2	45.4	43.8	43.8	43.6	42.5	-1.1
African American	35.2	36.5	34.3	33.3	32.2	30.0	29.4	30.1	29.9	29.2	29.0	29.2	28.7	28.6	30.5	31.4	30.1	29.6	28.4	25.9	-2.6
Hispanic	48.7	47.5	48.2	49.8	50.2	51.2	48.9	47.5	46.4	45.4	43.3	43.4	41.4	38.9	40.1	40.1	39.7	39.8	39.0	37.0	-2.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes:

s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in three of six forms to indicate that a drink meant more than a few sips. The 1993 data are based on the changed forms only; N is three sixths of N indicated.

In 1994 the question text was changed in the remaining forms. Beginning in 1994, the data are based on all six forms. In 2004 the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 87
ALCOHOL: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

	Percentage who used daily in last 30 days																							2013– 2014 change	
	1991	1992	1993 ^a	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 ^a	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	0.6	0.6‡	1.0	1.0	0.7	1.0	0.8	0.9	1.0	0.8	0.9	0.7	0.8	0.6	0.5	0.5	0.6	0.7	0.5	0.5	0.4	0.3	0.3	0.3	0.0
Gender:																									
Male	0.7	0.8‡	1.5	1.2	1.0	1.4	0.9	1.2	1.3	1.0	1.2	0.8	0.8	0.6	0.6	0.5	0.8	1.0	0.6	0.5	0.4	0.4	0.3	0.3	0.0
Female	0.4	0.4‡	0.5	0.7	0.5	0.6	0.6	0.5	0.6	0.5	0.6	0.4	0.7	0.6	0.3	0.4	0.3	0.4	0.4	0.5	0.3	0.2	0.2	0.3	0.0
College Plans:																									
None or under 4 years	1.6	2.2‡	2.7	2.8	1.9	3.0	2.0	3.1	3.4	1.8	2.8	2.8	2.3	2.2	1.9	1.5	2.4	2.7	1.8	2.2	1.6	1.9	1.5	1.3	-0.2
Complete 4 years	0.4	0.4‡	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.5	0.6	0.5	0.3	0.3	0.4	0.6	0.4	0.4	0.3	0.2	0.2	0.2	0.0
Region:																									
Northeast	0.4	0.5‡	0.7	1.0	0.6	1.0	0.8	1.0	1.0	0.6	0.8	0.7	0.6	0.3	0.3	0.3	0.4	0.6	0.1	0.4	0.1	0.3	0.0	0.2	+0.2
Midwest	0.6	0.6‡	0.9	0.7	0.7	1.1	0.8	1.0	1.3	1.2	0.7	0.7	0.9	0.6	0.6	0.5	0.6	0.8	0.3	0.4	0.3	0.2	0.1	0.2	0.0
South	0.6	0.8‡	1.3	1.4	0.7	1.1	0.8	1.0	1.0	0.7	1.2	0.8	0.8	0.8	0.5	0.6	0.7	0.9	0.7	0.7	0.4	0.4	0.5	0.4	-0.1
West	0.5	0.5‡	0.9	0.7	0.8	0.8	0.7	0.5	0.9	0.6	0.6	0.4	0.6	0.6	0.4	0.4	0.5	0.4	0.6	0.5	0.7	0.4	0.2	0.4	+0.1
Population Density:																									
Large MSA	0.4	0.6‡	1.1	0.6	0.6	0.9	0.4	0.7	1.0	0.4	0.5	0.4	0.7	0.5	0.5	0.4	0.4	0.7	0.3	0.5	0.3	0.4	0.2	0.2	0.0
Other MSA	0.5	0.6‡	0.6	1.0	0.6	1.0	0.9	0.8	0.8	0.7	0.9	0.8	0.7	0.5	0.4	0.5	0.6	0.8	0.4	0.5	0.4	0.4	0.2	0.3	+0.1
Non-MSA	0.8	0.7‡	1.6	1.4	1.1	1.3	0.9	1.1	1.5	1.4	1.3	0.8	1.0	0.9	0.6	0.6	0.8	0.7	0.8	0.6	0.5	0.2	0.5	0.5	0.0
Parental Education: ^b																									
1.0–2.0 (Low)	1.6	1.4‡	1.5	1.5	1.4	1.3	1.6	1.8	1.9	0.8	1.7	1.1	2.5	1.5	0.9	0.7	1.3	1.8	2.1	1.3	0.5	0.3	0.2	0.8	+0.6
2.5–3.0	0.8	0.6‡	0.6	0.9	0.8	1.3	0.5	0.8	0.9	1.1	1.2	0.8	1.1	0.6	0.5	0.6	0.5	0.9	0.5	0.5	0.7	0.5	0.2	0.2	-0.1
3.5–4.0	0.3	0.5‡	0.8	1.0	1.0	1.2	0.8	0.6	1.2	0.6	0.5	0.7	0.6	0.6	0.5	0.6	0.7	0.7	0.4	0.6	0.4	0.4	0.6	0.3	-0.3
4.5–5.0	0.3	0.5‡	0.5	0.9	0.4	0.5	0.7	0.7	0.4	0.6	0.6	0.5	0.3	0.2	0.3	0.3	0.2	0.2	0.1	0.3	0.1	0.1	0.1	0.4	+0.3 s
5.5–6.0 (High)	0.4	0.6‡	1.8	0.9	0.6	1.0	0.5	1.0	1.1	0.6	0.7	0.4	0.5	0.4	0.1	0.3	0.4	0.6	0.4	0.3	0.4	0.2	0.2	0.2	0.0
Race/Ethnicity (2-year average): ^c																									
White	—	0.5	0.6‡	0.7	0.8	0.8	0.9	0.7	0.8	0.8	0.8	0.7	0.6	0.6	0.4	0.4	0.4	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.0
African American	—	0.5	1.0‡	1.2	0.9	0.8	0.6	0.6	0.9	0.5	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.4	0.3	0.4	0.3	0.2	0.2	0.0
Hispanic	—	1.1	1.2‡	1.6	1.5	1.4	1.4	1.3	1.3	1.1	1.2	1.3	1.4	1.4	0.8	0.6	0.8	1.0	1.0	0.9	0.8	0.7	0.4	0.3	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. '‡' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

'—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change.

The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 88
ALCOHOL: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 10

	Percentage who used daily in last 30 days																							2013– 2014 change	
	1991	1992	1993 ^a	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 ^a	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	1.4	1.3‡	1.8	1.7	1.7	1.6	1.7	1.9	1.9	1.8	1.9	1.8	1.5	1.3	1.3	1.4	1.4	1.0	1.1	1.1	0.8	1.0	0.9	0.8	-0.1
Gender:																									
Male	2.3	1.6‡	2.6	2.5	2.6	2.4	2.5	2.8	2.9	2.7	2.9	2.6	2.0	1.9	1.9	1.8	1.9	1.4	1.5	1.7	1.1	1.4	1.3	1.1	-0.2
Female	0.4	0.8‡	1.0	0.8	0.8	0.8	0.8	1.2	0.9	0.8	0.9	1.0	1.0	0.7	0.7	1.0	0.9	0.6	0.7	0.6	0.4	0.5	0.5	0.6	+0.1
College Plans:																									
None or under 4 years	2.0	3.2‡	3.6	3.6	4.0	3.2	4.0	4.3	4.5	4.0	4.6	3.7	3.0	3.7	3.9	3.2	3.3	2.1	3.5	3.3	2.2	3.0	1.9	2.7	+0.8
Complete 4 years	1.2	0.8‡	1.5	1.2	1.3	1.3	1.3	1.5	1.5	1.4	1.4	1.4	1.2	1.0	1.0	1.2	1.2	0.9	0.9	0.9	0.6	0.7	0.8	0.6	-0.1
Region:																									
Northeast	1.3	0.9‡	1.8	0.9	1.5	1.0	1.5	2.3	1.9	1.3	1.6	1.4	1.5	0.9	1.4	1.6	1.5	1.1	0.8	0.7	0.8	1.2	0.9	0.5	-0.4
Midwest	1.4	1.5‡	1.8	1.7	1.8	1.6	1.6	2.1	2.3	1.9	1.6	1.7	1.2	1.0	1.1	1.3	1.6	0.9	1.1	1.2	0.5	0.8	0.6	0.6	+0.1
South	1.6	1.2‡	1.8	2.3	1.8	1.8	1.9	1.9	1.6	2.0	1.9	1.8	1.5	1.6	1.4	1.6	1.2	1.1	1.3	1.1	0.9	1.2	1.3	1.2	-0.1
West	1.0	1.4‡	1.7	1.6	1.8	1.9	1.8	1.5	1.9	1.7	2.4	2.0	1.8	1.6	1.4	1.2	1.6	0.9	1.2	1.5	0.8	0.8	0.8	0.7	-0.1
Population Density:																									
Large MSA	1.3	1.2‡	1.1	1.3	1.3	1.5	1.2	1.5	2.0	1.6	1.8	1.4	1.4	0.7	0.9	1.3	1.3	0.9	1.0	1.2	0.8	0.8	1.0	0.6	-0.4
Other MSA	1.2	1.0‡	1.4	1.7	1.8	1.5	1.6	1.7	1.7	1.6	1.6	1.8	1.4	1.5	1.4	1.4	1.5	1.0	1.1	1.0	0.7	0.8	0.8	0.7	-0.1
Non-MSA	1.6	1.9‡	3.2	2.1	2.2	1.9	2.5	2.9	2.2	2.3	2.5	2.1	2.0	1.5	1.7	1.8	1.6	1.2	1.3	1.3	0.9	1.5	0.9	1.4	+0.5
Parental Education: ^b																									
1.0–2.0 (Low)	2.6	2.0‡	3.1	1.9	2.9	1.6	2.1	2.7	2.4	2.2	2.9	2.0	2.3	1.6	1.7	2.9	3.6	2.1	1.6	2.3	0.8	1.5	1.1	1.8	+0.7
2.5–3.0	1.5	1.1‡	2.1	1.9	2.1	1.6	2.1	2.4	2.1	2.3	1.9	2.1	1.6	1.6	2.0	1.9	1.6	1.0	1.4	1.6	0.9	1.2	1.5	0.9	-0.6
3.5–4.0	1.1	1.3‡	1.7	1.7	1.7	1.6	1.9	2.0	1.9	1.9	1.5	1.5	1.4	1.1	1.2	1.5	1.2	1.0	1.3	0.6	0.8	0.7	0.9	0.9	0.0
4.5–5.0	1.1	0.8‡	1.0	1.3	1.3	1.5	1.2	1.2	1.5	1.4	1.7	1.6	1.6	1.1	0.7	0.9	1.1	0.4	0.6	1.0	0.8	0.8	0.7	0.4	-0.3
5.5–6.0 (High)	1.2	1.5‡	2.0	1.2	0.9	1.4	0.8	1.9	2.0	1.2	1.7	1.8	0.9	1.2	0.9	0.7	1.0	0.9	0.6	0.7	0.5	1.1	0.4	0.7	+0.4
Race/Ethnicity (2-year average): ^c																									
White	—	1.3	1.4‡	1.6	1.7	1.7	1.6	1.8	1.9	1.8	1.7	1.8	1.7	1.5	1.4	1.4	1.4	1.2	1.0	1.0	0.9	0.9	1.0	0.9	-0.1
African American	—	0.9	1.2‡	1.2	1.1	0.6	0.7	1.0	1.0	1.1	1.4	1.2	0.9	0.5	0.5	0.8	0.8	0.7	0.9	0.8	0.5	0.5	0.4	0.3	-0.1
Hispanic	—	1.6	1.9‡	1.8	2.3	2.3	2.0	2.4	2.4	2.0	2.6	2.4	1.8	1.7	1.6	2.0	2.1	2.0	1.9	1.9	1.6	1.1	1.0	1.0	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. ‡ indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001.

— indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in one form to indicate that a drink meant more than a few sips. The 1993 data are based on the changed form only; N is one half of N indicated. In 1994 the question text was changed in the remaining form. Beginning in 1994, the data are based on all forms. In 2004, the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change.

The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 89
ALCOHOL: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																			→	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993 ^a	1994	(Years cont.)
Approximate weighted N =	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total		5.6	6.1	5.7	6.9	6.0	6.0	5.8	5.5	4.8	5.0	4.7	4.8	4.2	4.2	3.7	3.6	3.4†	3.4	2.9	
Gender:																					
Male	—	8.1	8.6	8.3	9.7	8.6	8.4	7.7	7.7	6.6	7.0	6.7	7.2	6.2	6.0	5.2	5.3	5.2†	5.3	4.8	
Female	—	2.7	3.6	3.2	4.0	3.6	3.4	3.4	2.9	2.7	3.0	2.8	2.5	2.3	2.2	1.9	1.6	1.6†	1.6	1.2	
College Plans:																					
None or under 4 years	—	7.3	8.0	7.3	9.1	8.1	7.7	7.5	6.7	6.0	6.5	6.8	7.0	6.0	6.1	4.9	5.4	5.3†	4.3	4.4	
Complete 4 years	—	3.6	4.0	4.1	5.0	4.4	4.6	4.1	4.0	3.6	4.0	3.5	3.6	3.4	3.2	3.0	2.9	2.7†	2.9	2.4	
Region:																					
Northeast	—	6.3	6.5	6.2	8.7	7.4	7.5	6.3	5.9	6.5	6.6	4.9	4.2	4.2	4.3	4.6	3.3	2.9†	5.3	3.0	
Midwest	—	6.9	6.7	7.0	6.8	6.7	6.6	7.6	6.2	4.3	4.4	4.9	5.3	4.8	5.1	3.9	3.9	3.7†	3.3	3.1	
South	—	4.6	5.9	5.0	7.2	5.2	5.2	5.0	5.4	5.3	5.0	4.9	5.1	4.0	4.0	3.4	4.1	3.7†	3.5	3.0	
West	—	3.8	4.3	3.8	3.8	4.5	4.3	2.8	3.6	2.8	4.0	4.2	4.5	3.9	3.5	2.9	2.7	2.9†	1.8	2.5	
Population Density:																					
Large MSA	—	5.4	5.9	6.2	7.0	7.1	6.5	6.4	5.6	5.1	5.3	4.1	3.7	3.5	4.0	4.7	3.3	3.4†	2.7	2.5	
Other MSA	—	5.4	5.8	5.5	6.1	5.4	5.3	5.1	5.7	4.5	5.1	4.5	5.4	4.5	3.9	3.2	3.5	3.1†	3.6	2.8	
Non-MSA	—	6.1	6.5	5.7	7.9	6.1	6.6	6.1	5.9	5.1	4.8	5.8	4.9	4.5	5.2	3.8	4.1	4.1†	3.6	3.6	
Parental Education: ^b																					
1.0–2.0 (Low)	—	5.7	5.0	4.7	6.2	6.3	5.8	5.2	6.1	5.2	5.5	5.5	5.8	5.0	3.9	3.1	4.2	3.0†	3.6	2.3	
2.5–3.0	—	6.2	7.1	6.4	7.2	6.5	6.3	6.1	5.2	5.1	5.2	4.7	4.5	4.3	5.0	3.9	4.1	4.0†	2.6	3.4	
3.5–4.0	—	5.0	5.3	5.3	6.4	5.5	6.1	5.5	5.3	4.6	4.7	4.6	4.9	3.8	4.0	3.5	3.0	2.9†	3.7	2.5	
4.5–5.0	—	5.6	5.7	5.6	6.7	5.8	4.8	5.6	5.1	4.1	4.5	4.4	4.8	3.9	3.8	3.4	3.1	2.8†	3.6	2.8	
5.5–6.0 (High)	—	5.0	6.3	5.6	8.8	5.5	6.3	5.2	5.6	4.1	4.8	4.0	4.5	4.8	3.0	4.2	4.1	4.7†	2.9	3.1	
Race/Ethnicity (2-year average): ^c																					
White	—	—	6.0	6.2	6.6	6.8	6.5	6.3	5.9	5.3	5.1	5.2	5.1	4.8	4.5	4.2	3.8	3.6	3.1†	3.1	
African American	—	—	2.2	2.0	2.1	2.5	2.3	2.2	2.3	2.2	2.2	2.1	2.1	2.2	2.4	2.1	1.6	1.9	2.3†	2.6	
Hispanic	—	—	5.3	4.6	4.0	4.3	4.5	3.7	3.2	4.0	5.0	4.7	4.6	4.6	4.3	3.8	3.6	3.6	2.8†	3.1	

(Table continued on next page.)

TABLE 89 (cont.)
ALCOHOL: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004 ^c	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	3.6	3.7	3.9	4.0	3.4	2.9	3.6	3.5	3.2	2.8	3.1	3.0	3.1	2.8	2.5	2.7	2.1	2.5	2.2	1.9	-0.3
Gender:																					
Male	5.5	5.2	5.7	6.4	5.2	4.7	5.5	5.3	4.7	4.1	4.4	4.3	4.3	4.0	3.6	3.6	2.9	3.6	3.0	2.8	-0.3
Female	1.6	2.0	1.9	1.4	1.4	1.1	1.7	1.7	1.6	1.4	1.6	1.5	1.9	1.7	1.3	1.6	1.2	1.2	1.2	1.0	-0.2
College Plans:																					
None or under 4 years	5.4	5.0	6.0	6.8	5.9	4.8	5.3	4.8	5.0	4.3	5.6	4.9	4.8	5.1	5.0	4.4	4.1	3.8	4.8	3.7	-1.0
Complete 4 years	2.9	3.1	3.2	3.0	2.6	2.2	2.9	3.1	2.4	2.2	2.3	2.4	2.6	2.2	1.8	2.2	1.6	2.1	1.5	1.4	-0.2
Region:																					
Northeast	2.8	4.1	3.7	4.1	2.8	3.0	3.1	2.8	3.7	3.3	3.1	3.3	3.5	2.2	2.2	2.9	2.8	3.3	2.2	1.3	-0.8
Midwest	4.3	3.8	4.5	4.1	3.2	3.1	4.5	4.6	3.4	2.6	3.6	3.3	3.3	2.9	3.2	3.2	2.6	2.6	2.3	2.1	-0.2
South	3.8	3.6	4.1	4.2	3.9	2.8	3.5	3.3	3.0	2.8	3.2	3.1	3.4	3.8	2.3	2.9	1.7	2.1	2.2	1.9	-0.2
West	2.8	3.1	3.2	3.2	3.2	2.9	3.0	3.0	2.6	2.5	2.1	2.4	2.0	1.7	2.1	1.8	1.8	2.5	1.9	1.9	0.0
Population Density:																					
Large MSA	3.5	4.4	3.9	3.4	2.3	3.0	3.6	3.4	2.1	2.5	2.8	3.4	3.1	2.1	2.5	2.7	2.3	2.2	1.8	1.6	-0.1
Other MSA	3.5	3.3	4.0	4.1	3.4	2.7	3.6	3.2	3.5	3.3	3.1	2.8	3.3	2.6	2.6	2.7	2.1	2.8	2.2	2.0	-0.2
Non-MSA	3.6	3.7	3.9	4.3	4.4	3.4	3.7	4.2	3.9	2.3	3.4	3.0	2.6	4.2	2.3	2.8	2.0	2.4	2.7	1.9	-0.8
Parental Education: ^b																					
1.0–2.0 (Low)	3.9	2.6	3.8	5.3	4.0	3.5	3.5	2.5	2.7	3.4	2.6	3.1	3.6	2.6	3.3	2.9	2.4	2.8	2.3	2.6	+0.2
2.5–3.0	3.9	3.5	3.7	4.1	3.6	2.9	3.4	3.4	3.6	3.0	3.7	3.4	3.6	2.6	2.4	2.9	2.9	2.2	3.0	1.5	-1.5 ss
3.5–4.0	2.7	3.4	3.2	4.0	3.3	3.0	3.4	3.7	2.9	2.9	2.5	2.8	2.9	2.7	2.5	2.3	2.1	2.5	1.7	1.5	-0.2
4.5–5.0	3.9	4.0	3.9	3.6	2.9	2.4	3.3	3.1	3.0	2.0	3.1	2.7	3.0	2.9	2.1	2.5	1.3	2.5	2.1	2.2	+0.2
5.5–6.0 (High)	3.5	3.6	4.7	3.1	3.2	2.9	3.9	4.0	2.3	2.6	2.7	2.8	2.4	2.6	1.5	2.0	2.0	2.5	1.7	1.8	+0.1
Race/Ethnicity (2-year average): ^c																					
White	3.3	3.7	4.1	4.3	3.9	3.3	3.5	3.8	3.6	3.2	3.3	3.4	3.4	3.4	2.9	2.6	2.5	2.5	2.4	2.0	-0.4
African American	2.5	2.2	1.8	1.8	1.6	1.4	1.6	1.6	1.5	1.2	1.1	1.5	1.5	1.3	1.4	2.1	2.0	1.5	1.5	1.4	-0.1
Hispanic	3.5	4.0	4.0	4.3	4.8	5.0	4.1	3.3	2.8	2.7	2.9	2.9	3.1	2.8	2.5	2.5	2.4	2.3	2.7	2.3	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. ' ‡ ' indicates some change in the question. See relevant footnote. See relevant figure to assess the impact of the wording changes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aIn 1993, the question text was changed slightly in three of six forms to indicate that a drink meant more than a few sips. The 1993 data are based on the changed forms only; N is three sixths of N indicated.

In 1994 the question text was changed in the remaining forms. Beginning in 1994, the data are based on all six forms. In 2004 the question text was changed slightly in half of the forms. An examination of the data did not show any effect from the wording change. The remaining forms were changed in 2005.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 90
BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 8

	Percentage who had been drunk in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	7.6	7.5	7.8	8.7	8.3	9.6	8.2	8.4	9.4	8.3	7.7	6.7	6.7	6.2	6.0	6.2	5.5	5.4	5.4	5.0	4.4	3.6	3.5	2.7	-0.8
Gender:																									
Male	8.4	7.4	7.8	9.0	8.2	9.7	8.4	8.5	10.2	8.2	7.8	7.1	6.6	5.8	5.9	6.1	5.3	5.3	5.3	4.8	4.4	3.3	3.0	2.7	-0.3
Female	7.0	7.6	7.8	8.3	8.2	9.5	7.9	8.2	8.6	8.1	7.4	6.3	6.8	6.6	6.2	6.2	5.6	5.4	5.3	5.2	4.2	3.8	4.0	2.7	-1.3 s
College Plans:																									
None or under 4 years	15.8	17.2	18.4	20.0	17.2	19.3	18.7	21.4	22.4	18.9	18.9	15.5	17.0	16.1	15.7	15.4	16.3	14.9	14.9	12.9	10.9	9.5	10.9	6.7	-4.1 s
Complete 4 years	6.4	6.1	6.4	7.3	7.3	8.2	7.1	6.9	8.0	7.0	6.5	5.9	5.7	5.2	5.1	5.4	4.6	4.6	4.6	4.4	3.9	3.1	3.0	2.4	-0.6
Region:																									
Northeast	5.7	6.4	6.2	8.2	8.2	9.7	7.9	6.9	9.4	8.3	8.0	5.3	4.9	4.8	4.2	5.8	3.5	4.5	4.7	4.2	2.9	3.5	2.7	2.0	-0.7
Midwest	7.7	7.6	7.3	8.3	8.3	10.2	8.2	10.4	11.6	9.7	8.2	7.0	8.1	6.8	6.2	6.3	5.7	5.3	5.0	4.7	4.1	2.2	2.6	2.3	-0.3
South	8.8	8.2	8.3	8.8	8.4	9.1	8.3	7.8	9.5	7.4	8.1	7.6	7.2	6.4	7.1	6.9	6.1	6.8	6.5	5.7	4.4	4.4	4.5	2.8	-1.7 s
West	7.3	6.9	9.4	9.6	8.2	9.8	8.3	8.3	6.6	8.1	6.0	5.9	6.0	6.4	5.8	5.2	5.7	4.2	4.4	4.8	5.7	3.5	3.3	3.4	+0.1
Population Density:																									
Large MSA	7.4	7.0	6.0	7.6	7.2	8.9	6.7	6.9	7.8	7.1	6.3	5.2	5.6	5.4	5.4	5.1	4.8	5.4	4.0	4.7	3.5	3.1	3.1	2.5	-0.6
Other MSA	7.3	7.4	8.4	9.7	8.9	9.9	8.6	7.5	8.4	7.2	7.9	7.3	6.8	6.5	6.1	6.4	5.6	5.2	5.8	5.2	4.8	4.1	3.3	2.8	-0.5
Non-MSA	8.4	8.2	8.8	7.9	8.6	10.0	9.2	11.7	13.3	12.0	8.9	7.3	8.1	6.5	6.9	7.5	6.4	5.9	6.3	5.0	4.7	3.2	4.6	3.0	-1.7
Parental Education: ^a																									
1.0–2.0 (Low)	13.4	11.0	10.4	12.5	13.1	11.1	11.5	13.1	14.5	14.0	12.1	10.5	13.4	10.0	9.3	9.4	10.6	10.1	10.1	7.8	7.9	6.0	6.4	3.8	-2.6 s
2.5–3.0	9.2	8.8	9.2	9.3	9.6	11.9	9.3	9.5	11.7	10.5	9.7	8.5	9.4	7.4	8.4	7.9	7.9	7.4	6.3	7.1	6.6	5.6	4.6	3.4	-1.2
3.5–4.0	6.9	7.6	8.5	9.3	9.4	10.4	10.2	9.1	9.9	8.0	8.7	6.7	7.1	6.8	6.7	7.1	6.0	5.8	5.4	5.3	4.8	4.1	4.3	2.9	-1.4 s
4.5–5.0	6.1	6.5	5.9	7.5	6.4	8.7	6.7	7.0	6.9	5.6	5.7	5.5	4.5	5.0	4.6	4.4	3.1	3.7	4.4	4.2	3.2	2.6	2.4	2.4	0.0
5.5–6.0 (High)	6.8	4.9	6.7	7.6	6.0	7.1	5.8	6.9	8.7	7.1	4.6	4.8	4.2	4.4	3.5	4.6	3.1	3.3	3.4	2.6	2.7	1.6	2.2	2.2	0.0
Race/Ethnicity (2-year average): ^b																									
White	—	7.7	7.8	8.4	8.9	9.7	9.7	9.1	9.8	10.0	9.0	8.0	7.2	6.8	6.6	6.4	5.9	5.5	5.5	5.3	4.7	3.9	3.3	2.9	-0.4
African American	—	5.4	5.1	5.6	5.6	5.5	4.6	3.9	4.9	4.7	4.0	4.0	4.2	4.1	3.8	3.6	3.7	3.8	3.6	3.4	2.9	2.7	3.0	2.4	-0.6
Hispanic	—	9.9	9.9	10.8	10.8	10.8	10.4	9.8	9.9	8.5	7.8	8.4	8.5	8.1	7.0	7.2	7.4	6.7	6.2	5.8	5.6	5.5	4.5	3.6	-0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 91
BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 10

	Percentage who had been drunk in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	20.5	18.1	19.8	20.3	20.8	21.3	22.4	21.1	22.5	23.5	21.9	18.3	18.2	18.5	17.6	18.8	18.1	14.4	15.5	14.7	13.7	14.5	12.8	11.2	-1.6 s
Gender:																									
Male	22.3	18.6	21.4	23.2	21.9	23.0	24.6	22.3	25.4	26.2	24.2	19.3	18.8	20.2	18.2	19.1	18.9	14.6	16.4	15.5	14.9	15.4	13.2	11.1	-2.1 s
Female	18.7	17.5	18.1	17.2	19.6	19.8	20.2	19.9	19.8	20.9	19.7	17.4	17.7	17.0	16.8	18.4	17.4	14.3	14.8	13.7	12.4	13.5	12.4	11.5	-0.9
College Plans:																									
None or under 4 years	29.5	26.3	29.0	31.1	31.4	32.0	35.5	33.5	34.6	35.1	34.8	27.4	27.4	27.5	27.8	29.0	28.9	25.2	26.8	27.0	23.8	23.1	18.5	20.9	+2.5
Complete 4 years	18.6	16.4	17.9	18.0	19.0	19.7	20.3	19.1	20.7	21.8	19.8	16.8	16.9	17.4	16.3	17.5	16.8	13.2	14.4	13.3	12.6	13.7	12.3	10.3	-1.9 s
Region:																									
Northeast	23.9	18.8	20.0	19.0	19.5	22.4	21.9	23.1	25.8	22.8	19.9	18.1	20.3	22.4	20.5	20.4	20.5	15.3	14.6	14.7	16.6	18.6	13.6	13.3	-0.3
Midwest	21.8	18.9	20.1	21.0	22.6	22.0	23.3	21.8	26.0	27.6	24.0	18.7	18.8	16.6	17.4	19.8	19.6	16.0	15.0	15.3	11.9	12.8	11.4	9.7	-1.7
South	19.2	16.8	19.8	20.9	20.9	21.4	22.0	21.9	20.3	21.4	21.5	17.5	17.6	18.7	17.2	17.6	16.3	14.9	16.6	14.5	14.0	15.0	13.9	11.6	-2.4
West	18.2	18.3	19.0	19.5	19.5	19.3	22.6	17.0	19.0	22.4	21.2	19.5	16.5	16.7	15.2	17.9	16.9	11.8	15.5	14.3	13.0	12.1	12.4	10.7	-1.7
Population Density:																									
Large MSA	20.6	17.6	17.6	16.1	18.2	19.6	20.7	17.2	21.6	23.4	19.5	16.5	15.7	15.1	16.2	17.7	16.3	12.7	15.3	14.2	12.9	14.9	12.8	11.3	-1.5
Other MSA	20.1	17.3	18.2	21.7	21.8	21.9	21.8	21.2	22.7	22.5	21.6	18.0	18.6	20.5	18.3	19.0	18.5	14.8	15.3	14.8	14.1	13.7	13.0	10.8	-2.2
Non-MSA	21.1	19.9	24.7	21.8	21.8	22.4	25.5	25.4	23.4	25.4	25.3	21.4	21.4	19.0	17.8	20.0	20.0	16.4	16.4	15.1	14.0	15.7	12.6	12.3	-0.3
Parental Education: ^a																									
1.0–2.0 (Low)	20.9	18.2	22.2	20.0	23.4	22.1	19.7	20.1	21.8	21.3	22.0	17.3	19.0	17.7	15.8	18.4	17.7	16.9	19.7	18.2	13.6	15.7	15.1	12.0	-3.1
2.5–3.0	22.5	18.5	21.4	21.2	22.9	23.4	22.5	23.3	23.4	24.5	22.6	19.9	18.9	21.0	19.4	21.6	19.9	15.0	17.6	16.4	15.8	14.9	13.6	11.5	-2.0
3.5–4.0	20.4	19.4	19.4	22.1	21.4	22.1	24.1	21.3	23.3	24.5	22.8	19.5	19.3	18.9	17.5	19.9	19.1	15.7	16.4	14.3	14.8	14.7	13.4	12.9	-0.5
4.5–5.0	19.7	17.1	18.2	18.7	19.7	19.5	22.3	20.2	21.7	24.1	21.4	17.4	17.5	17.3	17.5	17.4	16.8	13.3	13.8	13.9	12.1	15.0	12.1	10.4	-1.7
5.5–6.0 (High)	20.6	18.5	18.6	17.9	17.9	22.3	22.4	20.4	24.0	23.1	21.5	16.8	17.7	19.3	17.0	17.6	17.7	14.2	14.6	13.2	13.1	14.6	12.3	11.3	-1.0
Race/Ethnicity (2-year average): ^b																									
White	—	21.6	20.8	22.0	22.7	23.7	25.0	25.5	25.7	26.7	25.8	23.2	21.9	21.7	21.0	20.9	21.3	19.2	17.0	16.4	15.6	16.0	15.4	14.1	-1.3
African American	—	9.4	10.3	10.1	9.8	8.5	8.6	8.8	7.6	8.6	9.5	8.6	8.0	8.3	8.0	7.8	8.3	8.0	8.4	9.3	8.3	7.6	7.2	5.5	-1.8
Hispanic	—	16.2	15.9	17.0	18.6	20.1	19.5	18.0	17.8	18.0	18.7	17.4	15.7	17.0	17.3	16.6	15.0	14.0	14.9	15.7	13.8	12.5	13.1	11.6	-1.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 92
BEEN DRUNK: Trends in 30-Day Prevalence by Subgroups in Grade 12

Percentage who had been drunk in last 30 days

	1975–	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2013–	2014
	Approximate weighted N =	—	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	change	
Total	—	31.6	29.9	28.9	30.8	33.2	31.3	34.2	32.9	32.9	32.3	32.7	30.3	30.9	32.5	30.2	30.0	28.7	27.6	27.4	26.8	25.0	28.1	26.0	23.5	-2.5		
Gender:																												
Male	—	37.1	35.2	34.5	34.5	37.8	35.4	39.2	39.0	37.9	38.4	37.0	34.3	34.9	36.0	33.6	32.9	31.7	29.2	32.7	31.2	27.5	30.6	29.1	24.9	-4.1		
Female	—	25.4	24.5	23.5	26.8	28.8	27.3	29.1	26.6	27.7	26.7	28.4	26.9	26.9	29.0	26.4	26.3	25.7	26.2	22.5	21.8	22.0	24.8	22.7	22.4	-0.3		
College Plans:																												
None or under 4 years	—	32.2	31.4	32.6	32.2	37.6	31.4	38.1	33.7	36.1	35.0	36.3	31.7	37.6	34.7	34.3	37.2	30.6	32.0	31.0	32.9	27.9	29.6	28.9	25.3	-3.7		
Complete 4 years	—	30.9	29.2	27.4	29.4	31.4	31.0	32.3	32.0	31.7	30.6	31.3	29.3	28.7	31.2	28.5	27.6	28.2	26.4	25.9	24.8	24.1	27.3	25.0	22.6	-2.4		
Region:																												
Northeast	—	36.4	30.0	35.0	35.2	35.5	37.2	35.9	35.6	37.5	39.3	33.9	33.6	35.4	38.1	38.7	37.9	32.6	31.1	36.3	32.4	31.5	34.7	30.1	28.6	-1.5		
Midwest	—	37.2	38.2	32.5	34.1	38.2	31.5	33.7	34.8	33.4	34.8	39.2	35.0	34.9	34.2	31.3	32.2	32.0	31.2	29.4	28.9	27.5	29.6	26.8	25.9	-0.9		
South	—	26.5	25.2	26.4	29.1	31.2	31.0	34.5	30.1	30.8	26.5	28.8	28.4	25.9	29.3	26.9	27.4	26.5	25.5	23.6	24.9	21.5	22.2	21.7	21.0	-0.7		
West	—	28.5	26.6	23.2	25.4	27.1	24.7	32.7	33.5	32.2	32.8	28.8	25.0	30.1	29.5	26.5	25.2	26.0	24.1	23.5	23.4	23.3	29.3	28.3	21.4	-6.9		
Population Density:																												
Large MSA	—	30.4	26.1	29.4	28.7	32.0	31.5	31.5	32.2	29.2	30.5	30.6	32.9	25.4	27.4	28.2	30.4	29.8	31.4	29.8	26.6	23.8	30.7	25.6	22.5	-3.1		
Other MSA	—	33.5	29.8	26.9	29.9	31.7	33.0	33.7	34.0	35.4	34.5	31.7	29.1	33.5	37.3	31.5	29.0	27.6	25.0	25.9	26.8	26.9	28.0	28.1	25.2	-2.9		
Non-MSA	—	29.4	33.7	32.0	34.4	36.9	28.2	38.2	31.4	32.5	30.5	36.7	29.2	33.2	29.1	29.9	31.4	29.4	28.8	27.8	27.2	22.3	24.1	21.1	20.7	-0.4		
Parental Education: ^a																												
1.0–2.0 (Low)	—	20.4	20.5	23.6	25.7	25.4	18.8	23.7	24.6	20.8	28.4	22.2	20.0	25.6	25.5	22.0	27.7	19.7	26.7	19.8	22.4	19.1	19.7	25.7	18.7	-7.0		
2.5–3.0	—	30.2	30.0	26.4	30.3	30.0	27.4	31.5	28.0	30.5	33.1	32.2	27.0	28.7	32.3	29.9	29.5	31.6	25.3	29.0	25.4	22.9	26.6	24.8	25.2	+0.4		
3.5–4.0	—	31.0	31.3	29.2	29.9	34.4	31.1	32.7	34.1	34.0	31.2	32.0	32.4	30.6	35.1	31.3	31.0	26.8	28.2	28.2	28.6	26.3	29.5	25.6	21.7	-3.9		
4.5–5.0	—	34.4	29.4	32.8	33.5	36.5	35.8	37.7	36.0	32.8	31.9	36.1	31.0	33.3	33.7	31.3	29.7	28.4	30.0	27.0	26.5	25.6	29.7	27.9	25.9	-2.0		
5.5–6.0 (High)	—	40.5	34.3	30.4	30.7	34.9	34.6	39.8	39.9	40.6	35.5	33.6	34.5	33.4	32.6	32.2	30.1	33.0	27.8	29.0	26.5	27.5	30.5	27.1	25.8	-1.3		
Race/Ethnicity (2-year average): ^b																												
White	—	—	34.7	33.6	34.0	36.4	36.6	37.7	39.3	37.8	37.0	37.7	36.6	35.6	36.4	36.5	35.2	33.7	32.7	31.8	31.6	29.9	29.7	30.6	29.0	-1.6		
African American	—	—	11.0	12.5	14.1	13.2	13.0	13.8	13.8	14.9	14.9	12.0	12.1	11.7	14.3	15.4	13.5	14.6	14.8	15.1	14.7	14.2	14.3	13.4	15.1	+1.7		
Hispanic	—	—	27.2	24.8	23.0	24.2	26.2	26.9	25.9	27.5	29.8	25.5	23.5	23.9	24.1	22.2	23.1	24.0	22.2	21.7	20.5	20.0	21.2	22.7	19.5	-3.2		

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 93
ALCOHOL: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 8

	Percentage reporting 5+ drinks in a row on one or more occasions																								2013– 2014 change	
<i>Approximate weighted N =</i>	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Total	10.9	11.3	11.3	12.1	12.3	13.3	12.3	11.5	13.1	11.7	11.0	10.3	9.8	9.4	8.4	8.7	8.3	8.1	7.8	7.2	6.4	5.1	5.1	4.1	-1.0 s	
Gender:																										
Male	12.1	11.6	12.4	13.2	12.5	14.1	13.0	12.1	14.0	11.7	11.5	10.4	10.2	8.8	8.2	8.6	8.2	8.1	7.8	6.5	6.1	4.6	4.5	3.5	-1.1 s	
Female	9.6	10.8	10.3	11.1	12.1	12.4	11.5	10.8	12.0	11.3	10.2	10.0	9.4	9.9	8.6	8.5	8.2	8.0	7.7	7.8	6.5	5.5	5.7	4.6	-1.1	
College Plans:																										
None or under 4 years	21.1	23.0	25.7	25.3	25.0	26.1	26.5	26.7	30.2	25.0	24.7	24.7	23.2	21.2	21.0	19.3	21.5	21.3	19.1	17.6	15.6	15.3	14.2	9.9	-4.2 s	
Complete 4 years	9.3	9.7	9.4	10.5	10.8	11.3	10.7	9.8	11.2	10.1	9.4	9.0	8.4	8.2	7.2	7.6	7.1	7.0	6.8	6.3	5.7	4.4	4.5	3.7	-0.9 s	
Region:																										
Northeast	8.6	8.8	8.1	10.9	11.1	12.8	10.9	9.7	12.4	11.5	10.5	8.4	7.8	8.1	6.0	7.8	5.6	7.1	8.2	6.2	3.7	4.3	4.2	3.3	-0.9	
Midwest	11.5	12.5	10.9	11.5	12.2	13.5	12.0	12.4	15.5	13.2	10.8	10.5	10.8	10.1	8.7	8.8	7.5	8.2	7.0	6.5	6.1	2.6	4.1	3.4	-0.8	
South	11.9	12.3	12.9	12.4	13.0	13.7	13.2	11.9	13.3	11.0	12.5	11.4	10.6	9.6	9.8	9.7	9.4	9.7	8.8	8.4	7.1	6.3	6.4	4.7	-1.7 s	
West	10.2	10.4	12.8	13.8	12.3	12.9	12.3	11.6	10.3	10.9	9.0	9.9	9.0	9.5	8.0	7.6	8.9	6.3	6.6	6.6	8.0	6.1	4.8	4.5	-0.3	
Population Density:																										
Large MSA	10.6	10.4	8.6	10.4	10.3	12.2	11.3	10.1	11.0	10.6	9.2	8.3	8.8	8.7	8.0	8.1	7.4	8.1	6.4	6.5	5.8	4.5	4.9	4.0	-0.9	
Other MSA	10.5	11.7	12.3	13.1	12.2	13.7	12.1	10.9	12.1	10.5	11.0	10.8	8.9	9.3	8.3	8.3	8.5	7.9	8.2	7.6	6.6	5.6	5.0	4.0	-1.0	
Non-MSA	12.0	11.7	12.9	12.1	15.0	14.2	13.9	14.3	17.4	15.3	13.1	11.8	12.9	10.5	9.2	10.2	9.2	8.4	8.9	7.0	7.0	5.1	5.8	4.5	-1.3	
Parental Education: ^a																										
1.0–2.0 (Low)	18.3	17.8	16.3	16.8	20.1	16.9	17.6	16.5	20.8	18.9	16.5	16.6	16.3	14.9	14.4	13.3	15.5	17.0	15.2	12.0	11.0	9.5	9.5	5.7	-3.8 ss	
2.5–3.0	12.6	13.4	13.3	14.2	14.8	15.4	13.5	13.8	17.0	15.3	14.3	12.8	13.5	12.1	10.7	10.6	10.5	10.5	9.5	9.3	8.8	7.6	6.7	5.4	-1.3	
3.5–4.0	10.7	11.3	11.5	12.5	13.3	14.3	14.2	12.4	14.0	11.0	11.7	11.1	10.5	10.0	9.4	9.9	9.2	7.9	8.7	8.0	7.2	5.3	6.4	4.9	-1.5	
4.5–5.0	8.8	8.7	8.5	10.3	9.3	11.1	10.3	9.3	9.5	8.2	8.1	7.9	6.7	8.0	6.4	6.7	5.5	5.7	5.3	5.7	4.6	3.8	3.0	3.4	+0.4	
5.5–6.0 (High)	8.8	8.4	8.9	9.1	8.7	10.7	9.0	9.4	9.2	9.5	6.6	7.3	6.8	6.2	5.0	5.9	5.0	4.7	4.7	4.3	4.1	2.0	3.9	3.0	-0.9	
Race/Ethnicity (2-year average): ^b																										
White	—	11.2	10.9	11.1	12.1	13.2	13.3	12.3	12.6	13.0	11.9	10.9	10.0	9.6	9.0	8.4	8.0	7.8	7.7	7.1	6.2	4.9	4.2	4.2	-0.1	
African American	—	6.5	7.6	8.6	8.3	8.0	7.5	6.9	7.7	7.3	6.4	7.1	7.5	6.9	6.1	5.7	5.6	5.7	5.2	5.3	5.1	4.3	4.5	4.4	-0.1	
Hispanic	—	16.5	17.7	18.9	18.4	17.5	17.4	16.9	17.4	16.0	14.4	14.4	13.8	13.2	12.1	11.6	12.5	12.3	11.5	10.8	10.4	9.9	7.8	5.7	-2.1	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 94
ALCOHOL: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 10

	Percentage reporting 5+ drinks in a row on one or more occasions																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	21.0	19.1	21.0	21.9	22.0	22.8	23.1	22.4	23.5	24.1	22.8	20.3	20.0	19.9	19.0	19.9	19.6	16.0	17.5	16.3	14.7	15.6	13.7	12.6	-1.1
Gender:																									
Male	24.1	21.5	24.1	26.4	24.1	25.1	26.3	24.7	27.4	27.6	26.1	21.6	21.1	21.6	19.9	21.0	20.9	16.6	18.8	17.9	16.5	16.4	14.7	13.1	-1.7
Female	18.1	17.0	17.7	17.3	19.7	20.4	20.1	20.4	20.0	20.6	19.7	19.0	19.0	18.1	17.9	18.9	18.3	15.4	16.1	14.6	12.7	14.8	12.5	12.2	-0.3
College Plans:																									
None or under 4 years	30.5	28.6	31.8	34.1	34.5	35.7	36.9	35.7	36.5	36.7	37.2	31.0	31.5	29.6	31.3	30.8	30.7	29.1	29.9	30.5	27.1	25.9	21.7	24.3	+2.6
Complete 4 years	19.1	17.2	18.8	19.3	19.8	20.7	20.8	20.2	21.5	22.2	20.5	18.5	18.2	18.6	17.3	18.6	18.2	14.4	16.1	14.6	13.4	14.6	12.8	11.4	-1.3
Region:																									
Northeast	23.7	18.0	21.1	19.9	20.3	22.3	21.8	24.1	26.0	23.8	20.7	19.5	21.5	23.8	21.0	21.2	20.4	16.8	16.4	15.2	16.8	19.5	14.5	13.8	-0.7
Midwest	21.7	19.8	22.0	23.0	23.3	23.4	22.4	22.2	25.0	26.2	24.8	20.3	19.9	16.7	18.8	20.0	20.7	16.5	17.2	16.2	13.0	13.8	12.3	11.4	-0.9
South	20.8	18.9	20.4	22.9	22.4	23.5	23.4	23.1	22.1	22.5	22.1	19.7	19.1	20.1	18.6	19.1	18.4	16.3	18.4	16.7	15.4	16.2	15.0	13.3	-1.7
West	18.6	19.8	20.0	20.4	21.1	21.4	25.3	19.9	21.7	24.6	23.1	22.2	20.1	19.6	17.6	20.1	19.5	14.4	17.4	16.9	14.1	13.2	12.8	11.9	-0.9
Population Density:																									
Large MSA	20.2	17.5	19.1	17.6	18.4	20.5	20.4	18.3	22.4	24.0	20.8	17.6	18.0	16.9	17.4	19.2	17.9	14.5	16.7	16.0	14.3	15.9	13.7	12.3	-1.4
Other MSA	20.4	18.1	19.2	22.7	22.1	23.0	22.9	22.0	22.7	23.4	21.7	20.4	19.9	21.6	19.4	19.7	19.6	16.0	17.0	16.5	14.7	14.8	13.7	12.4	-1.3
Non-MSA	22.9	22.8	25.8	24.6	25.9	25.3	26.6	28.0	26.7	25.7	27.2	23.8	23.4	20.1	20.3	21.9	22.5	18.1	19.8	16.7	15.4	16.6	13.7	13.8	+0.1
Parental Education: ^a																									
1.0–2.0 (Low)	23.2	23.0	24.3	22.6	26.7	24.7	22.7	24.1	25.2	24.7	23.0	23.9	24.4	23.0	21.0	19.8	22.0	20.6	25.7	22.8	17.6	20.5	17.8	15.4	-2.4
2.5–3.0	23.8	20.0	23.4	23.4	24.7	25.5	23.5	25.5	26.3	27.0	24.6	22.5	21.8	21.9	21.3	22.8	22.6	17.8	19.6	19.5	17.1	17.3	15.1	14.0	-1.1
3.5–4.0	19.9	19.2	20.6	23.3	22.8	23.7	24.6	22.8	23.6	23.8	24.2	20.7	20.5	20.4	18.9	21.2	20.7	16.6	18.4	16.3	15.8	15.0	13.6	13.7	+0.2
4.5–5.0	19.3	18.1	18.6	20.2	20.2	20.3	21.6	20.1	21.3	23.3	21.5	17.7	17.8	18.2	17.9	18.1	17.7	14.7	14.7	14.1	12.7	15.4	12.5	10.7	-1.8
5.5–6.0 (High)	20.9	18.4	18.9	18.5	17.3	22.4	22.4	20.1	23.6	23.1	21.2	18.7	18.4	19.0	17.9	19.0	17.2	12.8	14.8	13.1	12.3	14.7	12.1	11.6	-0.5
Race/Ethnicity (2-year average): ^b																									
White	—	21.6	21.4	22.9	23.8	24.5	25.2	25.3	25.4	26.2	25.6	23.6	22.5	22.2	21.8	21.7	21.8	19.7	17.9	17.2	16.1	16.3	15.7	14.4	-1.3
African American	—	12.3	11.9	11.8	11.1	9.4	10.0	10.6	10.7	10.8	10.3	10.0	9.8	9.7	9.1	9.1	10.0	9.8	9.8	10.7	9.4	8.2	8.6	7.5	-1.1
Hispanic	—	20.3	20.5	20.9	23.3	25.7	24.4	23.6	24.4	25.1	24.8	23.3	22.9	23.3	22.4	21.2	20.1	19.6	20.6	22.2	19.7	17.1	16.9	15.0	-1.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 95
ALCOHOL: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																			→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	36.8	37.1	39.4	40.3	41.2	41.2	41.4	40.5	40.8	38.7	36.7	36.8	37.5	34.7	33.0	32.2	29.8	27.9	27.5	28.2
Gender:																				
Male	49.0	47.9	50.0	51.4	51.9	52.1	51.6	49.8	50.4	47.5	45.3	46.1	46.1	43.0	41.2	39.1	37.8	35.6	34.6	37.0
Female	26.4	25.9	29.3	29.6	30.9	30.5	30.8	31.1	31.0	29.6	28.2	28.1	29.2	26.5	24.9	24.4	21.2	20.3	20.7	20.2
College Plans:																				
None or under 4 years	—	41.8	44.7	44.3	44.5	46.3	46.7	45.7	44.9	43.5	41.6	41.3	42.7	38.5	38.2	35.8	34.4	32.8	32.7	34.0
Complete 4 years	—	31.5	33.9	35.9	37.7	36.9	37.4	36.5	37.2	34.6	33.0	34.1	35.0	32.8	30.5	30.3	27.9	26.0	25.8	26.3
Region:																				
Northeast	43.0	40.8	40.0	43.5	47.4	48.0	49.3	43.3	42.2	42.9	42.4	37.1	37.2	34.3	33.3	37.2	33.4	25.8	30.3	29.2
Midwest	40.6	42.8	44.5	45.3	44.8	45.4	44.9	47.9	47.2	44.3	39.7	42.6	43.5	39.9	40.4	37.9	34.6	34.6	30.1	31.9
South	32.1	30.8	36.3	36.4	36.7	34.4	34.7	34.6	37.6	33.5	29.7	31.7	33.4	30.4	28.5	27.2	26.3	24.7	27.1	26.9
West	29.0	32.8	34.2	33.3	34.0	36.0	35.6	32.5	33.3	34.5	36.1	35.9	36.6	35.4	30.8	26.3	26.3	26.0	22.0	24.5
Population Density:																				
Large MSA	37.9	37.0	38.1	39.5	42.2	44.8	43.4	40.9	38.8	37.9	37.6	36.4	34.8	32.5	28.8	34.5	28.6	25.5	27.6	26.8
Other MSA	36.1	36.8	39.5	40.1	40.8	38.9	39.5	39.7	41.0	37.3	35.4	35.5	38.6	35.3	33.7	31.8	30.1	27.0	26.5	27.1
Non-MSA	36.9	38.0	40.5	41.3	40.9	41.4	42.2	41.3	42.0	41.2	37.6	39.1	38.3	35.9	35.8	30.6	30.4	31.9	29.2	31.5
Parental Education: ^a																				
1.0–2.0 (Low)	31.6	34.1	35.6	36.3	36.0	37.0	37.0	35.3	37.2	34.8	31.8	31.7	33.9	30.7	25.4	25.3	26.8	23.4	21.9	24.0
2.5–3.0	37.5	41.1	41.8	40.9	42.3	43.3	43.2	41.4	41.2	39.8	38.2	37.9	38.9	35.7	34.0	32.7	29.9	28.1	27.6	28.5
3.5–4.0	35.1	36.4	39.5	41.3	41.4	42.1	42.4	42.4	40.9	39.3	36.9	37.9	38.3	34.7	34.3	32.0	30.4	27.9	28.4	28.4
4.5–5.0	34.4	36.9	37.2	42.4	43.8	40.8	40.8	41.9	41.9	38.6	37.1	37.1	37.2	35.1	34.2	34.5	29.9	28.1	28.4	29.3
5.5–6.0 (High)	29.9	34.5	41.1	37.2	41.9	38.5	39.3	40.9	42.1	38.2	34.9	36.7	37.2	34.7	31.8	34.1	30.6	30.4	29.0	29.0
Race/Ethnicity (2-year average): ^b																				
White	—	—	40.5	42.4	43.5	44.3	44.9	44.9	44.5	43.6	41.5	40.3	40.9	40.0	37.9	36.6	34.6	32.1	31.3	31.5
African American	—	—	19.0	19.3	18.9	17.7	17.1	17.1	18.3	17.2	15.7	16.4	15.8	15.2	15.7	14.4	11.7	11.3	12.6	14.4
Hispanic	—	—	36.4	37.2	33.6	33.1	34.8	32.9	32.5	33.0	31.7	30.8	33.0	33.7	28.8	25.6	27.9	31.1	27.2	24.3

(Table continued on next page.)

TABLE 95 (cont.)
ALCOHOL: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																				2013– 2014 change	
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005 ^c	2006 ^c	2007	2008	2009	2010	2011	2012	2013	2014		
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400		
Total	29.8	30.2	31.3	31.5	30.8	30.0	29.7	28.6	27.9	29.2	27.1	25.4	25.9	24.6	25.2	23.2	21.6	23.7	22.1	19.4	-2.7 ss	
Gender:																						
Male	36.9	37.0	37.9	39.2	38.1	36.7	36.0	34.2	34.2	34.3	32.6	28.9	30.7	28.4	30.5	28.0	25.5	27.2	26.1	22.3	-3.8 ss	
Female	23.0	23.5	24.4	24.0	23.6	23.5	23.7	23.0	22.1	24.2	21.6	21.5	21.5	21.3	20.2	18.4	17.6	19.7	18.1	16.6	-1.4	
College Plans:																						
None or under 4 years	35.2	33.9	36.2	36.3	35.4	35.7	35.9	34.0	34.5	34.6	34.3	32.3	30.8	31.5	31.3	32.1	27.4	27.5	29.2	24.0	-5.2 ss	
Complete 4 years	27.8	28.8	29.5	30.0	29.5	27.6	27.8	27.2	25.9	27.6	25.1	23.7	24.7	23.2	23.8	21.2	20.4	22.6	20.6	18.3	-2.3 s	
Region:																						
Northeast	31.2	33.7	33.5	33.5	33.7	35.1	31.8	30.7	30.9	33.2	32.2	30.9	29.7	27.3	28.9	28.7	26.1	29.0	26.6	22.3	-4.2	
Midwest	34.3	31.5	31.6	32.6	31.6	33.9	34.5	33.4	32.5	30.2	29.1	26.5	28.9	25.2	28.8	24.6	24.3	24.8	22.7	20.4	-2.4	
South	28.6	30.2	30.6	30.7	30.0	24.9	26.6	26.8	23.7	26.1	24.2	23.9	25.4	24.7	23.1	21.0	18.8	19.6	18.6	17.9	-0.7	
West	24.2	24.0	29.6	29.5	28.6	29.3	26.0	23.9	26.5	28.6	24.5	22.0	20.5	21.9	20.9	20.7	19.9	24.1	23.1	18.8	-4.4 s	
Population Density:																						
Large MSA	28.3	29.8	29.9	27.9	27.1	29.7	29.0	29.9	23.3	25.5	26.5	26.6	28.0	25.8	25.7	23.0	21.7	25.1	21.3	19.4	-1.9	
Other MSA	28.4	30.3	31.1	33.1	32.2	29.3	29.0	28.0	29.8	31.9	27.4	25.0	24.2	22.5	24.1	23.6	22.5	23.3	23.3	20.1	-3.2 s	
Non-MSA	34.0	30.5	33.2	32.4	32.4	31.7	31.9	28.2	30.5	28.2	27.0	24.5	26.4	28.1	27.2	22.4	19.6	22.4	20.5	17.9	-2.6	
Parental Education: ^a																						
1.0–2.0 (Low)	26.6	24.8	22.6	26.3	27.4	25.1	24.8	22.2	23.5	22.9	19.4	25.4	20.4	21.3	23.2	20.1	17.9	23.6	21.5	19.0	-2.6	
2.5–3.0	31.2	28.6	30.4	30.3	30.8	29.2	30.2	28.5	27.6	28.8	28.3	25.8	27.3	23.0	24.6	24.6	21.1	23.9	23.1	20.1	-3.0	
3.5–4.0	29.5	29.8	31.0	33.2	30.5	30.5	30.3	28.6	28.4	30.9	27.6	26.5	24.8	25.1	27.6	23.3	23.2	24.3	23.9	19.2	-4.7 sss	
4.5–5.0	29.9	32.4	32.4	32.3	30.6	29.9	30.9	30.9	28.6	30.5	29.4	24.0	27.5	26.2	24.4	24.2	21.4	23.6	21.4	20.7	-0.6	
5.5–6.0 (High)	30.7	33.1	34.9	32.4	34.2	32.7	28.6	30.6	28.7	27.8	25.2	26.3	27.1	26.4	25.6	21.2	22.1	22.8	20.3	19.0	-1.3	
Race/Ethnicity (2-year average): ^b																						
White	32.3	33.4	35.1	36.4	35.7	34.6	34.5	33.7	32.4	32.5	32.5	30.4	29.7	29.9	29.0	27.6	25.9	25.7	25.6	23.8	-1.8	
African American	14.9	15.3	13.4	12.3	12.3	11.5	11.8	11.5	10.8	11.4	11.3	11.4	11.5	10.9	12.0	13.1	11.3	11.3	12.5	11.3	-1.2	
Hispanic	26.6	27.1	27.6	28.1	29.3	31.0	28.4	26.4	25.9	26.0	23.9	23.3	22.5	21.5	22.6	22.1	20.8	21.8	22.4	20.4	-2.1	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 96
BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	16.2	16.9	17.4	18.3	18.8	18.4	16.7	16.2	16.6	15.2	15.0	12.3	12.0	14.4	12.8	12.5	12.2	11.8	10.0	10.6	9.8	7.9	6.8	6.3	-0.5
Gender:																									
Male	19.1	18.6	19.1	21.2	20.4	19.9	18.6	17.7	19.4	16.8	16.5	12.2	12.4	14.0	12.9	13.0	11.3	12.3	10.6	11.3	10.2	8.5	6.9	6.9	0.0
Female	13.5	15.3	16.1	16.0	17.0	17.1	14.6	14.7	14.1	13.5	13.6	12.2	11.4	14.6	12.9	11.9	12.2	11.2	9.2	10.1	9.2	7.2	6.6	5.8	-0.8
College Plans:																									
None or under 4 years	26.4	27.7	32.2	32.8	36.0	33.0	33.9	32.6	35.5	29.6	32.9	27.4	28.7	26.4	26.3	24.7	27.3	30.5	20.9	26.1	16.6	19.5	14.5	16.0	+1.6
Complete 4 years	14.6	15.4	15.6	16.6	16.8	16.3	14.6	14.4	14.3	13.8	12.9	11.1	10.2	13.1	11.5	11.4	10.8	10.3	9.0	9.4	9.4	7.0	6.3	5.6	-0.7
Region:																									
Northeast	14.0	14.0	14.9	18.6	19.3	21.7	18.4	14.7	18.5	14.2	18.7	10.8	12.3	15.1	11.4	11.4	9.5	10.4	9.2	10.4	6.8	6.8	5.0	4.6	-0.4
Midwest	16.4	18.0	16.7	18.0	17.4	19.3	16.8	18.4	17.5	17.0	13.2	10.2	14.0	15.9	11.4	13.2	10.6	12.5	8.4	10.2	9.1	5.0	7.0	6.1	-0.9
South	17.8	18.5	19.1	18.2	20.1	16.6	15.5	16.1	17.2	14.2	14.3	14.0	11.4	14.4	15.0	13.3	14.0	14.1	12.2	12.2	10.5	8.8	8.2	6.4	-1.8
West	14.9	15.1	18.0	18.8	17.6	17.8	17.2	15.1	12.6	15.7	15.3	13.9	10.3	12.2	11.4	11.4	12.0	8.9	8.8	8.6	11.7	10.1	5.6	7.6	+2.0
Population Density:																									
Large MSA	15.0	18.7	15.1	15.2	12.0	16.2	15.0	13.8	14.3	14.0	12.0	11.5	11.0	14.2	11.4	11.9	10.3	13.0	8.9	9.0	8.2	7.4	6.6	4.7	-1.9
Other MSA	16.1	16.8	17.6	19.4	19.1	19.6	15.9	14.3	16.5	14.1	15.5	12.4	11.9	13.9	13.6	12.1	12.3	11.3	9.5	10.9	9.9	8.6	7.5	6.5	-0.9
Non-MSA	17.8	15.4	19.8	18.3	21.8	18.8	19.6	22.7	19.4	18.8	17.2	13.2	13.5	15.6	13.1	14.3	14.6	11.3	12.5	12.3	12.0	6.9	5.9	8.1	+2.3
Parental Education: ^a																									
1.0–2.0 (Low)	22.0	22.5	21.5	24.4	23.9	19.7	21.6	21.9	25.4	23.2	21.3	24.1	17.1	23.7	22.6	17.3	21.0	21.3	15.0	13.6	15.4	12.1	11.8	8.6	-3.2
2.5–3.0	18.2	18.4	19.5	19.7	22.8	21.3	21.2	17.4	19.7	20.7	18.4	14.8	15.1	17.8	15.8	16.8	19.5	16.7	13.2	14.6	12.5	9.6	8.3	8.8	+0.5
3.5–4.0	15.7	18.0	19.4	19.7	19.6	20.2	18.5	17.9	16.9	13.5	18.1	13.5	14.3	15.0	13.9	13.6	10.6	13.1	10.6	11.5	11.4	8.4	8.1	9.0	+1.0
4.5–5.0	14.4	13.4	14.9	15.3	15.6	17.8	12.7	12.6	12.3	12.0	10.0	8.4	7.4	11.9	11.2	9.4	9.3	8.8	8.6	8.8	7.5	6.3	6.1	4.1	-2.0
5.5–6.0 (High)	13.5	14.6	14.4	17.2	14.2	13.2	14.1	17.0	16.0	11.4	9.7	10.3	10.2	13.3	6.7	9.3	6.7	7.0	6.5	6.5	7.4	4.7	4.9	4.5	-0.5
Race/Ethnicity (2-year average): ^b																									
White	—	16.7	17.6	17.9	19.0	19.7	18.8	17.4	17.4	16.8	15.5	13.5	12.0	13.5	14.0	12.7	11.5	11.5	11.2	10.7	10.2	8.2	6.8	6.4	-0.4
African American	—	12.6	13.0	15.8	14.5	11.1	9.7	8.1	9.7	9.7	7.9	7.2	7.5	8.1	7.6	8.5	9.0	7.4	6.3	5.6	5.9	5.8	4.2	3.3	-0.9
Hispanic	—	23.9	24.2	22.2	23.3	23.7	21.8	19.9	19.5	19.8	20.7	21.8	19.6	18.4	18.3	17.1	17.8	17.8	14.9	13.3	14.0	13.8	11.3	9.0	-2.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 97
BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days																							2013– 2014 change	
<i>Approximate weighted N =</i>	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	31.1	28.9	28.7	30.2	29.9	30.5	30.4	28.3	29.5	30.6	28.0	24.6	23.2	26.5	24.8	26.8	24.4	22.4	22.6	22.4	19.6	19.6	18.4	17.3	-1.1
Gender:																									
Male	37.6	33.1	33.3	37.3	33.5	34.7	34.1	32.5	35.4	35.4	33.7	28.7	27.9	30.7	26.5	29.2	26.8	24.5	25.2	26.3	23.0	22.1	21.0	19.2	-1.8
Female	25.2	25.1	24.2	23.3	26.2	26.7	27.1	24.3	23.8	25.6	22.9	20.9	19.3	22.3	23.1	24.0	21.8	20.6	19.8	18.4	16.1	17.3	15.7	15.8	+0.1
College Plans:																									
None or under 4 years	39.4	37.5	37.4	41.4	41.9	44.8	43.8	40.5	43.7	42.7	42.3	37.2	30.3	36.4	36.4	39.2	39.2	38.1	38.0	36.9	31.0	27.6	26.9	28.6	+1.7
Complete 4 years	29.4	27.2	26.9	28.0	27.8	28.1	28.2	26.1	27.0	28.6	25.9	22.7	22.2	25.1	23.2	25.2	22.6	20.4	20.9	20.6	18.4	18.7	17.4	16.1	-1.3
Region:																									
Northeast	37.1	29.4	32.0	31.9	31.7	33.1	33.2	31.0	34.7	31.7	27.0	23.8	25.6	30.4	25.2	31.4	27.3	24.9	23.3	22.3	22.9	23.6	19.7	20.2	+0.5
Midwest	31.7	29.4	29.1	31.6	31.1	30.4	30.1	27.8	29.8	33.1	29.0	25.6	23.3	22.1	26.2	25.5	24.7	23.0	21.3	21.3	16.6	16.6	14.1	13.8	-0.3
South	29.4	28.4	26.6	29.5	29.4	30.6	28.5	27.2	27.8	27.1	26.6	22.6	21.9	27.2	23.6	25.0	21.2	22.7	23.5	22.2	20.8	20.9	21.5	17.6	-3.9
West	28.4	28.8	28.7	27.5	27.3	28.1	31.1	28.1	26.6	32.6	30.6	27.6	22.6	27.0	24.4	27.2	25.8	19.7	21.8	23.8	19.0	17.6	17.7	18.0	+0.3
Population Density:																									
Large MSA	31.0	30.1	28.8	28.9	23.9	28.9	28.8	24.3	29.3	30.1	25.5	22.5	21.6	23.4	21.8	25.5	24.6	21.7	22.1	22.0	18.3	21.6	16.3	16.7	+0.5
Other MSA	28.9	27.4	26.4	30.8	30.3	30.1	31.2	28.9	29.4	29.8	26.2	24.7	22.9	27.0	25.2	27.5	22.4	21.8	22.6	22.1	20.7	18.9	19.0	18.0	-1.0
Non-MSA	35.2	30.8	32.8	30.0	32.2	33.0	30.5	31.4	30.0	32.7	34.4	27.1	26.1	29.3	27.9	27.3	28.7	24.8	23.1	23.5	19.6	18.2	19.8	16.5	-3.3
Parental Education: ^a																									
1.0–2.0 (Low)	33.5	27.7	33.3	30.0	34.0	28.9	28.6	29.3	26.5	26.7	26.7	22.4	26.3	28.7	28.9	27.8	28.9	29.2	26.8	30.4	25.9	23.1	20.6	23.7	+3.1
2.5–3.0	32.0	30.3	28.4	31.1	33.0	31.1	30.3	30.9	32.3	30.8	27.2	28.6	24.1	30.3	29.1	30.7	29.7	25.7	25.7	26.8	22.7	21.1	23.3	18.3	-5.0 s
3.5–4.0	31.4	29.9	29.0	31.3	30.1	30.9	31.3	30.0	29.5	32.3	29.0	25.1	24.3	26.2	23.8	28.4	25.4	23.5	22.8	23.3	20.6	18.8	18.0	18.4	+0.4
4.5–5.0	29.9	27.7	28.0	30.3	28.5	29.0	31.4	25.0	27.4	32.4	27.7	22.7	21.9	26.4	24.4	23.4	21.5	20.6	20.3	18.5	16.3	19.7	16.8	14.2	-2.5
5.5–6.0 (High)	30.7	27.4	28.1	27.1	26.5	33.7	30.7	26.5	31.1	28.7	30.4	21.9	21.0	24.2	21.7	26.0	20.5	17.3	20.0	18.8	17.0	19.9	16.8	18.7	+1.9
Race/Ethnicity (2-year average): ^b																									
White	—	31.7	30.2	31.1	32.1	32.5	32.4	31.9	32.2	33.1	31.7	28.7	27.0	27.5	28.2	28.4	27.8	25.3	23.9	23.3	21.6	21.0	20.3	19.6	-0.8
African American	—	20.9	20.3	19.0	18.8	15.9	15.6	13.1	10.0	13.5	14.8	11.6	10.2	11.3	12.5	11.9	9.7	10.0	11.7	12.5	12.2	8.2	6.9	6.9	0.0
Hispanic	—	32.2	29.6	29.3	31.2	31.9	31.3	29.8	28.3	28.9	30.7	28.6	25.1	27.8	31.3	30.7	29.3	28.2	28.0	29.9	28.3	24.4	23.3	20.5	-2.8

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 98
BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			(Years cont.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		1994
<i>Approximate weighted N =</i>	—	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	—	59.8	62.1	62.3	63.7	62.9	62.7	60.3	61.7	59.5	56.7	55.5	56.2	53.3	51.4	47.2	47.2	42.0	43.4	42.6	
Gender:																					
Male	—	68.6	73.1	73.0	74.0	74.3	71.4	68.3	69.7	67.4	64.5	64.3	64.9	61.8	59.7	55.7	55.3	50.1	50.0	51.2	
Female	—	51.3	52.8	52.7	54.5	52.4	53.9	52.7	54.0	51.8	49.4	47.9	48.1	46.3	43.4	38.0	39.3	34.6	37.2	35.6	
College Plans:																					
None or under 4 years	—	62.1	64.6	65.2	65.7	68.3	65.0	64.6	62.4	62.7	59.8	54.2	58.2	57.3	55.5	46.5	52.4	48.8	48.2	47.1	
Complete 4 years	—	57.6	60.3	59.5	61.6	58.4	61.0	57.4	61.1	57.4	55.1	55.7	55.1	51.8	49.4	47.5	45.2	39.9	41.5	41.6	
Region:																					
Northeast	—	64.9	65.9	64.7	71.9	67.6	67.1	65.7	68.3	62.6	64.4	51.5	56.8	54.8	54.2	52.7	49.5	40.8	47.0	43.3	
Midwest	—	65.4	66.9	68.3	66.1	64.9	67.5	66.1	66.6	66.8	57.4	66.3	61.4	59.8	58.5	50.3	53.5	49.1	46.3	48.0	
South	—	53.2	55.3	58.4	59.2	60.3	57.5	53.0	56.5	53.7	51.0	48.6	52.1	47.6	46.1	42.0	41.1	39.5	43.0	40.4	
West	—	52.8	59.4	54.2	56.1	57.7	56.9	52.8	53.8	55.3	56.4	54.4	54.8	52.7	48.5	45.4	46.0	36.7	37.0	38.2	
Population Density:																					
Large MSA	—	62.5	64.2	62.8	65.3	67.7	63.8	63.3	63.1	58.8	56.0	55.1	56.9	52.6	50.1	52.3	44.4	42.3	44.0	42.8	
Other MSA	—	58.6	62.0	62.4	62.3	62.1	61.9	58.6	59.4	56.6	56.8	55.1	56.4	53.0	51.6	47.3	47.6	40.3	42.0	39.4	
Non-MSA	—	59.3	60.7	61.7	64.4	60.5	63.0	60.0	63.6	63.7	57.3	56.3	55.4	54.3	52.1	42.4	48.8	45.1	45.3	47.6	
Parental Education: ^a																					
1.0–2.0 (Low)	—	58.5	48.3	54.6	52.9	55.9	54.7	56.8	58.8	51.1	52.2	46.8	55.8	47.1	45.3	42.2	48.1	36.6	41.1	37.0	
2.5–3.0	—	62.7	64.8	63.6	64.5	66.1	65.4	58.5	59.8	62.4	56.8	54.6	53.6	51.9	52.4	47.5	46.7	41.4	43.7	44.4	
3.5–4.0	—	58.4	66.0	62.7	67.1	64.4	64.0	63.9	62.3	61.2	57.9	56.0	56.0	51.5	52.2	45.8	48.4	40.7	44.4	42.2	
4.5–5.0	—	62.6	64.4	64.7	68.4	58.4	60.1	60.0	66.2	61.9	60.5	57.6	59.9	58.2	51.4	49.3	46.4	43.8	41.9	41.1	
5.5–6.0 (High)	—	64.1	69.3	68.3	63.6	69.3	68.9	68.3	65.9	54.2	55.4	62.5	57.7	57.4	53.2	53.4	46.1	47.0	47.7	46.6	
Race/Ethnicity (2-year average): ^b																					
White	—	—	63.8	65.2	65.9	66.3	66.3	65.4	64.6	64.6	62.2	59.9	59.6	59.1	57.0	54.1	51.6	48.3	46.0	46.5	
African American	—	—	38.7	36.4	37.4	38.7	38.8	37.2	39.2	36.9	33.1	32.7	28.6	30.3	32.6	28.4	25.3	24.2	28.0	29.9	
Hispanic	—	—	52.7	54.3	52.3	52.5	47.7	47.5	43.4	40.7	46.5	50.9	55.4	49.2	40.4	36.6	40.3	44.7	39.8	40.5	

(Table continued on next page.)

TABLE 98 (cont.)
BEER: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				2013– 2014 change
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	-2.2
Gender:																					
Male	53.0	53.5	49.7	55.0	48.2	51.7	50.9	44.3	44.5	44.1	47.3	39.7	43.7	40.7	42.2	39.7	35.2	39.1	36.9	33.1	-3.8
Female	37.4	40.2	39.9	37.0	36.9	33.9	32.1	34.4	31.7	32.1	30.4	31.1	29.3	27.7	28.7	23.0	22.4	25.6	24.6	24.4	-0.2
College Plans:																					
None or under 4 years	50.1	46.2	44.6	49.6	47.5	42.4	54.1	45.7	39.4	44.0	45.1	46.2	39.0	43.7	38.5	40.6	35.8	33.9	41.5	31.4	-10.0 ss
Complete 4 years	42.8	47.0	44.4	44.4	41.7	42.4	38.4	37.9	37.2	36.6	36.6	33.4	35.7	31.7	34.1	30.2	27.5	31.9	28.4	27.6	-0.8
Region:																					
Northeast	47.0	56.9	47.5	52.6	54.3	48.9	47.2	43.4	41.9	42.6	41.3	42.9	44.1	39.7	42.6	41.2	30.5	40.7	35.7	32.4	-3.3
Midwest	49.7	48.1	43.3	44.6	45.4	47.6	48.1	42.9	43.1	41.4	40.5	35.8	39.2	32.7	37.8	31.8	31.2	31.1	33.6	28.8	-4.7
South	43.8	44.4	43.3	43.2	36.6	35.1	33.6	35.1	32.0	34.2	33.8	34.2	34.2	33.4	31.0	29.0	25.5	26.4	28.2	26.5	-1.7
West	37.8	38.8	44.5	45.5	40.2	43.5	39.9	39.8	36.9	36.1	38.8	31.3	31.7	31.8	30.5	28.9	31.0	35.1	27.9	28.7	+0.8
Population Density:																					
Large MSA	45.9	49.1	45.5	42.1	39.9	45.2	38.0	40.5	36.3	34.2	37.9	35.1	40.7	36.9	39.5	31.6	30.9	36.2	30.7	30.0	-0.7
Other MSA	43.7	46.9	45.0	47.6	42.8	40.7	42.6	38.8	38.9	38.9	38.4	37.2	32.8	31.5	31.7	33.1	27.9	32.4	32.5	29.0	-3.5
Non-MSA	46.0	45.3	41.9	45.6	45.4	43.2	43.3	40.5	37.5	41.4	37.1	33.0	38.2	35.0	36.6	28.3	29.0	26.0	26.9	25.8	-1.1
Parental Education: ^a																					
1.0–2.0 (Low)	43.1	31.2	30.4	37.0	35.4	37.2	39.1	41.6	30.9	34.1	32.9	27.5	32.8	28.5	32.2	24.1	28.7	32.1	24.5	26.3	+1.7
2.5–3.0	44.0	42.4	41.5	42.8	43.0	37.4	48.0	36.6	36.2	38.0	35.8	38.1	35.2	34.7	30.4	34.8	28.9	30.9	33.7	26.6	-7.1
3.5–4.0	42.8	48.2	46.3	48.9	42.5	45.1	35.8	40.9	39.9	43.0	38.4	35.7	36.8	30.9	36.9	31.5	26.2	31.4	33.2	30.5	-2.7
4.5–5.0	47.1	47.1	47.7	48.9	40.0	43.9	43.6	39.9	38.4	36.1	42.4	35.3	39.4	33.8	38.9	34.3	32.3	33.6	32.7	25.9	-6.8
5.5–6.0 (High)	49.6	58.0	49.9	44.5	51.8	52.0	42.3	45.2	41.4	38.7	37.6	38.4	38.8	43.1	33.7	28.2	29.5	34.7	26.1	39.5	+13.3 s
Race/Ethnicity (2-year average): ^b																					
White	47.8	50.1	50.7	49.9	47.7	45.8	46.7	45.4	43.1	42.1	42.3	41.8	41.0	39.7	37.8	36.4	34.0	33.8	34.5	34.0	-0.5
African American	25.6	28.4	25.5	22.8	22.3	21.7	20.6	16.9	14.0	15.7	18.0	14.8	13.6	14.6	19.3	18.9	12.0	12.2	15.2	13.4	-1.8
Hispanic	41.7	41.3	39.8	39.0	43.6	45.3	42.6	40.8	37.2	36.7	39.2	35.4	32.7	31.2	31.6	32.1	32.7	35.5	32.9	30.7	-2.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 99
BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 8

	Percentage reporting 5+ drinks in a row on one or more occasions																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	7.2	7.3	8.2	8.5	8.5	9.2	7.6	8.0	8.3	7.5	8.1	6.1	5.5	6.8	5.8	5.5	5.4	5.1	4.9	4.8	4.3	3.5	3.0	2.5	-0.4
Gender:																									
Male	9.2	8.9	9.4	10.6	9.8	10.1	9.2	10.0	10.5	8.8	9.4	6.5	5.8	6.4	5.5	5.9	5.5	6.0	5.3	5.2	4.4	3.5	2.8	2.6	-0.2
Female	5.2	5.9	7.1	6.7	7.4	8.2	6.0	6.3	6.2	6.3	7.0	5.5	5.1	6.9	6.2	4.9	4.8	4.3	4.1	4.7	4.0	3.6	3.1	2.4	-0.7
College Plans:																									
None or under 4 years	15.4	18.2	18.4	20.7	17.5	19.7	22.0	21.6	24.8	21.9	25.4	19.0	17.5	19.0	16.7	13.9	15.3	19.2	15.4	16.8	8.4	12.2	7.8	6.7	-1.2
Complete 4 years	5.9	5.8	6.9	7.1	7.5	7.6	6.0	6.6	6.2	6.1	6.3	5.0	4.2	5.5	4.9	4.7	4.4	4.1	4.1	3.9	4.0	2.9	2.7	2.2	-0.5
Region:																									
Northeast	4.8	5.5	5.8	8.1	9.3	10.7	7.6	6.6	9.1	5.7	9.4	3.5	5.6	6.5	3.7	4.1	4.8	5.3	4.6	4.8	2.1	2.1	2.0	1.8	-0.2
Midwest	6.9	7.0	7.6	8.8	8.0	9.2	8.4	10.0	9.3	8.9	7.8	5.6	7.0	8.3	4.7	5.9	3.6	4.6	4.4	4.3	4.9	1.5	2.8	2.9	+0.1
South	8.9	9.0	9.4	8.1	8.8	8.4	6.9	8.0	8.9	7.1	7.9	6.7	5.1	6.4	7.4	6.3	6.6	6.2	5.8	5.8	4.3	4.1	3.7	2.6	-1.1
West	7.0	6.7	9.2	9.1	8.1	9.2	7.9	7.1	5.3	8.0	7.9	8.4	4.2	6.0	6.0	4.9	5.4	3.9	4.2	3.9	5.4	5.8	2.6	2.6	-0.1
Population Density:																									
Large MSA	6.6	7.4	6.1	6.9	5.3	8.5	5.6	6.7	6.2	6.0	5.4	5.0	4.2	5.6	4.9	4.1	4.5	5.6	4.4	4.4	3.0	3.6	2.3	1.7	-0.6
Other MSA	7.0	7.6	8.2	9.1	8.8	9.3	7.4	6.6	8.6	6.4	8.4	6.0	5.3	6.4	6.0	5.4	5.2	4.7	4.4	5.0	4.6	3.7	3.4	2.7	-0.7
Non-MSA	8.4	6.8	10.7	8.4	9.8	9.8	9.6	12.3	10.2	11.5	10.5	7.7	7.3	8.9	6.6	7.8	6.9	5.2	6.8	5.2	5.5	2.9	2.8	3.3	+0.4
Parental Education: ^a																									
1.0–2.0 (Low)	12.6	12.5	11.0	11.6	12.5	12.8	9.8	12.6	17.9	14.8	11.5	11.2	9.4	11.9	14.0	8.9	11.6	11.3	9.5	9.2	7.6	7.7	6.1	4.7	-1.4
2.5–3.0	7.7	8.9	9.9	9.3	10.2	10.7	10.1	8.0	9.8	10.9	10.0	8.1	7.2	8.8	8.1	7.1	8.8	8.8	6.8	7.6	5.5	5.1	3.1	3.7	+0.6
3.5–4.0	7.8	7.0	7.9	9.0	9.8	10.1	8.3	9.0	10.4	6.6	9.1	6.8	6.0	7.9	5.3	5.4	4.8	5.7	5.1	4.8	5.7	2.7	4.1	2.9	-1.2
4.5–5.0	5.0	4.5	7.3	6.8	6.1	7.5	5.3	5.9	3.9	5.0	5.1	3.7	3.5	5.3	4.3	4.3	3.4	2.5	4.3	3.4	3.0	2.4	2.2	1.4	-0.7
5.5–6.0 (High)	6.2	6.0	6.2	8.4	5.9	6.7	5.7	8.7	6.1	4.3	5.3	4.8	4.1	4.7	2.4	4.7	2.1	2.3	2.0	2.5	2.7	1.4	2.1	1.6	-0.4
Race/Ethnicity (2-year average): ^b																									
White	—	7.0	7.6	8.0	8.7	9.2	8.6	7.9	8.3	8.3	7.7	6.7	5.7	6.1	5.9	5.2	4.9	4.8	5.0	4.8	4.3	3.3	2.9	2.5	-0.3
African American	—	5.2	5.1	7.2	6.4	4.9	4.4	3.6	4.7	4.9	4.0	3.2	3.0	3.6	3.1	2.7	2.6	2.4	2.0	1.5	2.9	3.0	1.3	1.7	+0.4
Hispanic	—	12.7	13.2	12.1	11.6	12.7	12.3	10.5	10.2	9.8	12.3	13.2	10.3	9.1	10.0	9.0	9.0	9.0	7.3	7.1	7.0	7.3	5.9	3.6	-2.3

Source: The Monitoring the Future study, the University of Michigan.

Notes: Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S1.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 100
BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 10

	Percentage reporting 5+ drinks in a row on one or more occasions																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	16.4	15.1	16.1	17.0	17.1	17.9	17.6	16.0	18.1	17.5	16.3	14.1	13.8	13.6	13.1	14.5	13.7	10.8	11.3	10.9	10.3	10.4	9.1	8.2	-0.9
Gender:																									
Male	21.7	18.9	20.4	23.0	21.1	22.5	21.2	20.7	24.0	22.5	22.2	16.7	18.3	17.1	15.2	16.3	16.5	12.8	13.6	14.0	12.7	12.9	10.8	9.9	-0.9
Female	11.7	11.7	11.8	11.1	13.1	13.7	14.4	11.8	12.5	12.7	11.2	11.7	9.9	10.4	10.8	12.3	10.7	9.2	9.1	8.0	7.7	8.1	7.1	6.6	-0.6
College Plans:																									
None or under 4 years	25.4	22.8	25.4	26.6	28.2	30.7	31.6	26.1	29.9	26.8	31.2	26.2	22.7	20.5	23.0	26.1	26.4	21.2	24.3	23.9	20.0	18.3	15.2	18.3	+3.2
Complete 4 years	14.5	13.5	14.2	15.0	15.3	15.8	15.4	14.2	16.2	15.9	14.1	12.2	12.6	12.7	11.8	12.8	12.3	9.6	10.0	9.4	9.3	9.7	8.4	7.0	-1.4
Region:																									
Northeast	19.0	14.6	17.1	18.4	17.4	19.9	17.5	18.8	21.5	16.4	15.2	12.6	16.4	16.9	15.2	17.7	14.7	12.0	12.1	10.3	12.2	12.7	8.8	9.0	+0.2
Midwest	16.5	16.7	17.3	18.2	18.3	18.8	18.4	16.3	18.3	20.9	16.4	14.9	13.5	10.9	14.6	14.8	14.2	11.2	11.0	10.9	8.0	9.9	6.4	6.2	-0.2
South	15.4	13.9	14.9	16.9	16.9	17.7	16.6	15.4	17.5	15.7	15.9	13.2	12.4	12.8	10.8	12.7	12.5	11.3	11.6	10.7	11.2	11.1	12.0	9.0	-3.0
West	15.9	15.5	15.2	13.5	15.5	15.1	18.3	14.0	15.5	16.9	18.3	16.0	14.0	15.0	12.4	13.7	13.9	9.0	10.4	11.8	10.1	8.0	8.4	8.3	-0.1
Population Density:																									
Large MSA	16.0	14.8	15.2	14.5	12.7	16.4	15.9	12.8	18.0	16.9	13.0	12.0	13.0	11.5	10.6	13.3	12.7	10.2	10.4	10.6	9.5	11.4	7.5	7.2	-0.3
Other MSA	15.8	13.9	13.9	17.0	17.2	17.6	17.6	15.9	17.3	16.3	15.7	13.5	13.1	14.4	13.8	15.3	12.5	10.9	11.5	10.5	10.6	9.4	9.3	8.1	-1.3
Non-MSA	17.9	17.7	20.9	18.7	19.6	20.1	19.1	19.6	20.1	20.1	21.2	18.1	17.0	14.7	14.6	14.1	17.8	11.7	12.2	12.3	10.6	11.1	10.8	10.1	-0.7
Parental Education: ^a																									
1.0–2.0 (Low)	21.3	15.6	18.9	19.2	20.3	20.5	18.1	12.8	14.2	16.7	17.9	13.8	19.0	14.1	15.1	16.4	19.2	15.1	17.0	19.0	16.0	17.5	13.5	10.9	-2.6
2.5–3.0	18.5	16.6	15.3	18.5	19.7	18.8	18.0	19.0	20.5	16.5	15.9	15.8	14.8	17.1	16.3	17.8	18.1	13.2	13.7	11.7	12.1	11.2	10.8	11.1	+0.3
3.5–4.0	15.0	15.6	16.5	16.7	17.4	18.5	18.9	15.8	17.6	17.9	17.8	14.4	13.7	13.9	13.6	14.5	13.9	10.9	12.6	11.4	10.5	9.3	9.3	8.8	-0.4
4.5–5.0	15.1	14.0	16.3	16.8	16.0	15.9	16.5	14.9	17.3	19.0	14.3	12.5	13.1	12.0	11.6	12.3	11.0	9.5	8.4	8.9	9.2	10.2	7.7	6.0	-1.7
5.5–6.0 (High)	15.4	13.1	15.3	14.5	13.8	18.3	16.1	16.2	19.3	16.8	17.5	13.1	11.8	13.7	11.3	14.3	10.6	7.6	9.6	7.9	7.6	10.2	7.6	7.2	-0.4
Race/Ethnicity (2-year average): ^b																									
White	—	16.7	16.4	17.4	18.1	19.0	19.3	18.6	19.7	19.9	18.1	16.5	16.1	15.5	15.1	15.8	15.7	13.7	12.2	11.4	10.7	11.0	10.1	9.4	-0.7
African American	—	9.8	10.1	9.3	8.7	6.5	6.6	5.5	4.0	6.2	6.8	6.1	4.7	4.1	4.2	3.8	3.7	3.7	4.0	4.4	4.2	3.1	3.1	3.0	-0.1
Hispanic	—	17.2	16.1	16.8	18.6	19.7	19.5	16.9	14.8	17.5	20.3	17.5	16.2	17.5	16.5	16.0	16.6	15.7	14.7	17.2	17.1	14.3	12.6	8.9	-3.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S2.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 101
BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																			→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	—	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	—	33.0	35.1	35.4	36.4	36.6	38.0	37.6	38.1	36.2	32.0	33.1	33.8	31.0	31.3	27.0	28.5	25.4	25.5	24.6
Gender:																				
Male	—	45.6	49.0	49.8	50.6	51.1	49.4	48.5	49.8	47.7	42.6	45.4	45.4	41.5	39.5	37.1	37.0	34.0	34.2	35.7
Female	—	21.4	23.5	22.6	24.2	23.9	26.5	27.3	27.4	25.0	22.4	22.4	23.1	22.2	23.8	16.5	20.1	17.6	18.1	15.5
College Plans:																				
None or under 4 years	—	37.7	39.2	41.6	39.5	43.5	42.8	42.1	43.1	41.2	35.5	36.1	37.8	36.9	37.7	29.0	35.1	32.8	30.2	29.6
Complete 4 years	—	27.8	31.0	29.4	33.3	30.9	34.2	34.2	34.3	33.6	29.8	30.8	31.7	28.4	28.5	26.0	26.0	23.3	23.8	23.4
Region:																				
Northeast	—	39.0	35.3	36.5	41.9	41.4	42.1	40.0	37.9	39.8	35.5	32.6	32.1	32.7	32.1	27.4	27.8	25.7	28.5	23.4
Midwest	—	35.8	37.6	39.9	39.0	42.3	43.6	45.3	45.1	43.7	34.2	40.8	41.3	38.5	38.2	31.4	34.7	32.5	27.6	28.3
South	—	26.6	33.9	31.8	34.0	30.5	33.9	31.7	35.1	31.5	26.6	29.4	30.7	25.7	27.5	23.8	24.2	22.9	25.2	24.8
West	—	31.0	31.6	32.0	28.3	31.1	28.5	28.1	31.3	29.4	33.8	27.5	29.8	28.5	27.4	25.1	27.3	18.4	20.8	19.7
Population Density:																				
Large MSA	—	32.8	34.4	34.4	35.0	40.9	38.9	36.2	37.4	34.5	31.2	33.9	32.3	29.6	27.3	32.0	24.7	26.0	23.8	23.6
Other MSA	—	33.9	35.4	35.7	36.3	33.9	37.7	36.6	36.6	33.2	30.2	31.5	34.5	30.9	32.3	26.9	28.8	24.2	24.8	22.6
Non-MSA	—	32.1	35.2	35.7	37.6	37.0	37.6	39.8	40.6	41.4	35.1	35.0	33.9	32.6	32.9	22.6	31.0	27.2	28.1	28.7
Parental Education: ^a																				
1.0–2.0 (Low)	—	30.7	31.9	33.6	32.8	31.1	32.3	35.0	38.4	26.8	27.4	28.5	32.9	31.3	26.9	28.1	34.9	23.4	27.3	23.7
2.5–3.0	—	37.5	36.4	37.8	38.0	38.8	42.9	37.5	37.4	39.2	33.6	34.2	34.3	31.0	32.2	26.7	29.2	26.6	26.1	25.3
3.5–4.0	—	32.9	34.8	34.4	36.5	37.6	39.2	41.6	39.1	37.1	32.1	32.9	34.9	29.4	32.8	24.9	29.4	25.2	26.6	24.2
4.5–5.0	—	33.9	34.1	36.2	38.2	36.0	31.7	35.3	39.1	39.9	35.9	34.4	34.7	32.8	31.2	27.7	26.2	23.9	24.1	24.1
5.5–6.0 (High)	—	27.2	38.0	28.7	35.5	37.6	38.5	38.9	36.5	30.2	27.4	33.8	29.7	31.4	26.5	32.3	25.7	26.9	26.1	26.0
Race/Ethnicity (2-year average): ^b																				
White	—	—	35.5	36.8	37.6	38.5	40.1	40.9	40.8	40.0	37.1	35.3	35.8	35.2	34.4	32.5	30.6	29.6	27.6	27.3
African American	—	—	18.8	19.5	19.4	17.7	16.4	16.9	18.1	18.9	15.5	13.2	13.6	16.1	18.5	13.5	10.2	13.1	15.5	15.4
Hispanic	—	—	34.4	33.5	31.5	32.7	30.8	27.6	27.9	27.4	24.6	29.4	32.8	27.5	22.0	20.6	23.8	27.2	24.8	24.9

(Table continued on next page.)

TABLE 101 (cont.)
BEER: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																				2013– 2014 change
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	27.6	29.2	26.7	28.5	25.6	27.5	26.7	26.1	21.4	23.7	22.4	21.4	22.0	20.9	20.8	19.5	16.8	18.8	17.3	16.8	-0.5
Gender:																					
Male	36.5	38.7	32.9	39.3	34.7	38.2	35.9	33.7	31.1	32.1	30.9	26.9	27.7	27.7	28.0	26.3	24.2	25.1	23.3	22.3	-1.0
Female	19.5	19.2	21.2	19.5	17.0	17.6	18.0	18.2	12.9	15.6	15.3	16.2	16.1	15.1	14.3	12.4	10.2	12.3	11.8	11.7	-0.1
College Plans:																					
None or under 4 years	32.7	29.4	29.0	39.7	29.5	31.0	40.5	37.0	24.9	32.0	28.9	31.5	24.2	30.9	26.7	25.9	21.1	21.3	25.6	18.7	-6.9
Complete 4 years	25.4	28.8	26.2	25.1	24.7	26.0	23.3	22.9	20.3	21.5	21.1	19.0	21.2	18.7	19.5	18.3	16.0	18.0	15.3	16.0	+0.7
Region:																					
Northeast	30.5	35.4	32.0	34.2	33.0	32.7	26.5	28.6	27.1	26.1	25.8	25.9	29.5	23.7	26.0	25.2	17.7	24.9	20.9	18.9	-2.0
Midwest	30.2	29.9	25.7	31.4	28.9	32.4	33.9	28.9	24.8	26.2	26.2	22.1	24.3	21.0	23.6	23.3	21.5	18.6	19.8	14.4	-5.4
South	27.2	27.5	24.1	25.5	21.3	20.0	19.7	22.4	16.8	21.8	20.2	20.6	18.8	21.1	16.7	16.6	14.2	16.1	15.6	17.1	+1.5
West	21.8	24.6	27.6	25.6	22.8	29.4	27.9	26.3	19.2	20.9	18.0	18.1	18.6	18.7	18.8	16.0	15.1	18.5	14.2	16.7	+2.5
Population Density:																					
Large MSA	26.9	32.4	26.2	24.4	21.3	29.8	23.4	25.7	18.9	20.9	21.4	21.2	25.1	22.7	21.0	17.8	17.7	22.4	17.3	17.4	+0.1
Other MSA	26.7	29.3	27.9	30.3	26.8	26.1	26.7	25.2	22.9	22.9	23.7	21.2	19.0	18.8	19.4	21.4	15.6	18.3	16.9	15.8	-1.1
Non-MSA	30.0	26.6	25.0	29.5	28.1	27.4	30.2	28.1	21.7	28.2	21.0	22.1	23.3	23.4	23.6	17.3	18.3	14.6	18.0	18.2	+0.2
Parental Education: ^a																					
1.0–2.0 (Low)	28.9	23.8	18.7	23.5	22.1	16.8	28.2	32.0	20.1	18.5	17.0	19.3	21.5	14.0	21.8	12.3	15.8	22.5	15.4	19.6	+4.2
2.5–3.0	27.6	25.0	26.0	26.5	27.7	24.3	31.9	24.5	22.9	27.0	21.3	23.2	23.1	20.4	17.6	22.3	16.9	19.7	18.4	14.2	-4.2
3.5–4.0	25.6	29.3	28.3	31.9	26.5	29.1	21.4	27.4	20.5	26.3	23.0	23.9	21.1	19.8	21.2	19.9	16.1	18.9	19.2	19.3	+0.1
4.5–5.0	27.6	28.1	29.1	29.3	24.2	28.7	28.7	24.4	23.3	20.9	25.5	19.6	24.2	21.1	23.6	20.9	18.7	18.1	18.5	15.1	-3.5
5.5–6.0 (High)	32.2	41.0	28.3	27.6	24.3	35.1	28.0	27.3	19.0	20.2	21.8	19.3	21.0	27.6	19.6	15.8	15.6	15.9	12.1	17.0	+5.0
Race/Ethnicity (2-year average): ^b																					
White	29.0	31.3	31.4	31.3	30.0	28.8	31.0	30.2	26.4	25.3	26.1	25.8	25.8	25.3	23.6	23.0	21.4	19.7	19.6	20.2	+0.6
African American	12.6	14.6	13.3	11.7	10.6	9.9	9.1	7.6	6.1	9.3	11.2	7.1	5.0	5.7	8.2	6.1	4.8	5.3	5.9	7.7	+1.8
Hispanic	23.8	26.1	26.0	24.4	27.5	29.0	27.1	24.7	21.6	20.0	19.7	19.8	19.8	17.5	19.4	20.6	18.6	22.9	22.1	16.6	-5.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 102
LIQUOR: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	
Approximate weighted N =	—	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	—	44.1	45.0	48.2	47.3	47.9	44.6	45.2	46.4	42.3	40.0	41.0	39.0	35.6	35.7	30.8	31.3	28.6	31.4	28.0	
Gender:																					
Male	—	44.4	44.7	48.9	48.5	48.8	45.3	45.2	48.8	43.3	40.3	43.7	42.8	38.5	39.6	36.9	34.9	32.0	36.4	32.8	
Female	—	43.8	45.3	47.6	46.6	47.4	44.3	45.1	43.7	40.8	39.5	38.6	35.4	33.6	32.1	24.6	28.0	25.9	27.3	23.2	
College Plans:																					
None or under 4 years	—	44.6	47.8	49.3	46.1	51.4	46.9	47.5	47.4	44.6	41.0	38.9	39.4	36.8	38.1	30.6	37.0	31.9	37.3	28.3	
Complete 4 years	—	43.8	42.5	47.7	48.5	45.1	43.0	43.6	45.3	40.6	39.6	41.8	39.0	35.0	35.0	30.4	29.0	27.4	29.9	28.1	
Region:																					
Northeast	—	52.5	47.4	47.8	56.7	53.2	49.5	50.8	50.8	46.4	42.1	37.2	43.3	36.1	40.3	34.5	36.6	25.8	32.4	25.9	
Midwest	—	47.0	49.7	53.7	45.4	46.5	47.2	49.1	50.5	45.6	40.1	49.8	42.2	42.2	40.5	31.0	33.5	33.5	32.1	29.0	
South	—	37.6	39.8	46.0	43.6	48.5	38.8	38.7	43.3	38.5	37.1	35.9	34.6	30.4	33.0	29.6	28.1	27.1	34.7	28.1	
West	—	38.3	41.3	42.0	45.0	42.9	43.2	40.0	38.4	39.6	42.1	39.6	37.4	35.0	30.0	28.5	29.0	26.3	24.0	28.2	
Population Density:																					
Large MSA	—	47.3	45.4	49.3	52.0	51.7	44.4	48.5	48.1	40.8	37.7	41.2	39.9	36.0	36.4	33.8	30.4	29.8	32.2	30.3	
Other MSA	—	44.7	46.0	48.3	47.1	48.4	45.9	45.6	45.5	40.9	39.3	39.9	40.5	36.3	33.5	31.1	33.1	27.4	30.4	26.5	
Non-MSA	—	41.4	43.3	47.2	44.1	44.8	43.2	42.1	46.1	45.1	42.6	42.4	35.5	34.0	40.3	27.7	29.1	30.0	32.7	28.1	
Parental Education: ^a																					
1.0–2.0 (Low)	—	40.8	38.2	37.3	38.2	44.2	43.1	40.3	41.6	33.1	36.2	36.1	32.2	33.5	32.1	25.7	29.7	25.4	29.1	23.6	
2.5–3.0	—	46.7	45.9	49.8	46.6	47.8	43.5	44.8	44.7	46.3	37.9	38.1	36.0	34.6	32.1	29.5	32.6	29.9	29.4	28.2	
3.5–4.0	—	44.7	47.3	51.9	51.7	47.5	46.6	48.0	46.5	42.0	39.2	42.3	38.2	33.1	38.3	31.6	33.6	29.0	34.1	25.8	
4.5–5.0	—	47.9	45.6	49.1	51.7	48.7	40.7	43.6	50.0	44.9	48.0	43.9	43.4	38.7	36.9	34.2	27.4	25.9	32.2	29.3	
5.5–6.0 (High)	—	46.6	53.4	54.2	49.3	53.4	53.8	54.2	55.2	40.4	40.9	47.4	45.7	39.4	37.7	33.8	33.5	33.1	29.9	32.0	
Race/Ethnicity (2-year average): ^b																					
White	—	—	47.5	49.5	50.3	50.1	48.9	48.2	49.0	47.3	44.1	43.5	43.4	41.1	39.8	37.7	35.0	32.9	32.5	32.6	
African American	—	—	21.2	19.9	23.3	27.5	25.1	21.5	25.3	23.7	18.5	17.4	15.0	16.0	16.8	14.4	14.1	15.1	17.5	17.1	
Hispanic	—	—	47.7	48.8	43.3	47.2	45.6	41.2	35.6	35.4	42.1	40.4	36.9	31.6	24.6	21.0	23.2	29.2	28.9	26.3	

(Table continued on next page.)

TABLE 102 (cont.)
LIQUOR: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	34.3	34.7	34.6	37.3	34.3	36.0	35.1	36.0	34.3	35.6	36.4	34.2	34.1	32.4	33.2	29.8	29.8	31.2	31.0	28.1	-2.9
Gender:																					
Male	38.2	36.4	36.3	41.2	38.0	41.7	35.6	37.9	36.1	39.3	38.4	33.7	36.2	33.8	35.2	31.9	31.1	32.3	31.8	29.2	-2.5
Female	30.9	32.6	33.4	33.3	30.0	30.7	33.7	33.8	32.9	32.2	34.9	33.9	31.4	30.7	30.9	27.3	28.6	30.4	29.8	27.6	-2.2
College Plans:																					
None or under 4 years	36.8	35.8	34.2	38.3	35.0	38.1	40.4	42.5	36.9	40.3	42.6	39.7	37.5	38.0	40.6	34.9	29.5	30.0	33.6	25.3	-8.3 s
Complete 4 years	33.4	34.1	34.9	36.6	33.9	35.0	33.6	34.2	33.6	34.3	35.5	33.0	33.5	31.4	31.7	28.8	29.7	31.3	30.4	28.5	-1.9
Region:																					
Northeast	37.7	40.9	36.6	46.3	39.8	40.9	40.8	41.4	35.8	41.1	41.9	40.0	41.2	37.1	37.7	38.5	38.0	41.8	33.4	29.7	-3.7
Midwest	35.4	36.2	35.2	36.6	33.7	40.5	37.4	39.6	37.4	35.4	39.3	35.2	38.1	33.4	34.7	31.1	30.4	27.9	32.5	30.9	-1.6
South	34.9	33.6	32.9	33.9	32.1	28.3	31.7	32.9	30.7	33.3	33.7	32.5	30.6	32.2	32.1	26.4	26.8	28.2	27.7	25.4	-2.2
West	28.7	27.8	35.1	37.2	34.5	38.5	33.3	31.8	35.4	33.8	32.3	30.9	29.8	28.7	29.3	27.6	28.2	31.7	32.1	28.8	-3.3
Population Density:																					
Large MSA	33.3	30.6	36.0	37.2	34.5	41.1	36.0	37.5	32.4	30.1	36.2	34.4	37.4	37.1	38.7	30.1	34.3	36.5	35.7	29.9	-5.7
Other MSA	34.9	38.0	34.6	38.9	34.9	33.8	35.4	37.0	35.6	37.7	37.8	36.3	31.7	29.2	30.9	31.9	29.2	32.4	30.8	29.0	-1.8
Non-MSA	34.3	32.4	33.4	33.9	33.3	34.0	33.9	32.3	34.3	37.4	34.2	30.2	34.1	34.1	31.7	24.2	24.7	20.7	24.9	23.7	-1.2
Parental Education: ^a																					
1.0–2.0 (Low)	26.8	24.7	27.7	33.5	35.3	30.8	28.2	29.4	27.6	29.5	30.9	30.2	27.1	33.3	32.5	22.5	28.7	28.8	24.7	21.7	-3.0
2.5–3.0	34.8	37.5	31.8	33.5	33.7	28.7	36.3	33.5	35.2	34.0	33.0	36.7	33.7	30.8	28.1	33.3	28.9	31.7	29.9	28.9	-1.0
3.5–4.0	32.4	34.7	36.4	40.6	32.7	40.0	35.4	37.3	35.7	38.2	33.8	34.7	33.2	33.1	33.9	29.3	29.8	32.4	34.6	29.1	-5.5
4.5–5.0	35.7	30.1	35.8	38.2	33.4	35.2	38.3	38.2	36.5	36.4	43.3	33.8	37.3	30.3	36.8	30.5	29.5	31.9	34.2	28.1	-6.1
5.5–6.0 (High)	41.1	42.1	40.4	38.3	40.8	47.8	34.5	38.8	33.0	36.6	38.4	35.9	39.4	37.5	35.9	28.7	35.3	30.3	26.6	32.5	+5.9
Race/Ethnicity (2-year average): ^b																					
White	34.1	37.2	38.5	39.5	37.6	37.2	38.8	38.9	37.8	37.8	39.8	39.5	37.5	35.2	33.8	33.0	31.9	32.5	32.5	32.2	-0.4
African American	17.9	24.9	20.4	17.6	21.5	22.2	22.1	22.0	23.0	23.7	25.3	23.0	21.6	23.7	29.4	27.4	22.8	26.7	27.1	21.6	-5.5
Hispanic	27.4	29.4	28.1	31.7	36.6	36.3	36.0	36.3	33.3	29.6	30.2	28.4	27.5	29.3	30.5	30.5	30.9	30.9	30.6	29.1	-1.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 103
LIQUOR: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																			→ (Years cont.)
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	—	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	—	19.8	19.9	22.0	22.8	23.0	21.3	23.8	22.0	21.3	19.6	21.4	20.5	18.2	20.0	16.8	17.4	16.0	18.2	17.1
Gender:																				
Male	—	23.3	21.1	24.4	26.3	26.1	23.0	25.8	26.4	24.6	20.9	24.7	25.0	20.3	24.5	20.7	20.5	20.0	24.6	22.4
Female	—	16.1	18.5	19.6	19.8	20.2	19.7	21.9	17.8	18.2	18.2	18.6	16.2	16.6	15.7	12.8	14.4	12.6	13.2	12.6
College Plans:																				
None or under 4 years	—	23.8	23.4	26.7	24.2	26.5	26.4	26.9	25.7	24.7	22.0	24.0	24.5	20.7	23.7	17.3	21.7	21.4	24.6	19.1
Complete 4 years	—	15.8	16.8	17.9	21.5	19.7	18.0	21.8	19.2	19.2	18.4	19.9	18.6	17.2	18.6	16.4	15.8	14.1	16.5	16.6
Region:																				
Northeast	—	24.9	20.2	21.8	28.8	27.2	25.0	26.1	24.7	24.9	23.8	20.1	22.3	17.4	23.7	18.0	21.3	14.8	15.1	14.2
Midwest	—	22.1	23.3	24.0	23.0	23.7	22.9	27.5	24.0	24.1	19.3	25.9	21.9	23.1	21.4	17.7	19.0	19.0	18.9	17.7
South	—	16.0	16.4	22.5	20.6	22.1	18.0	19.6	20.7	20.2	17.0	19.1	18.7	15.2	18.6	15.4	15.3	15.5	21.7	17.6
West	—	14.8	19.2	16.2	18.5	18.2	19.2	20.1	17.0	15.3	19.8	19.6	19.6	17.2	17.5	16.5	15.2	13.7	13.6	18.0
Population Density:																				
Large MSA	—	20.3	18.3	20.5	22.6	22.8	22.6	26.1	24.3	21.1	18.7	21.7	20.3	16.8	18.4	17.9	16.4	15.6	16.8	16.1
Other MSA	—	19.9	21.8	21.4	23.4	23.9	20.7	22.2	21.8	20.1	19.6	19.7	20.8	19.8	19.1	16.4	17.5	15.2	17.3	16.3
Non-MSA	—	19.4	18.8	23.8	22.3	22.1	21.2	24.1	20.5	23.0	20.2	23.9	20.2	16.6	23.7	16.8	18.1	17.9	20.7	19.5
Parental Education: ^a																				
1.0–2.0 (Low)	—	22.0	18.1	20.9	19.1	22.0	24.3	21.0	21.5	21.0	19.6	19.0	20.6	19.9	17.6	18.0	19.9	15.9	20.7	14.4
2.5–3.0	—	22.8	20.4	23.7	23.6	23.9	21.3	24.7	23.6	25.5	20.4	24.2	21.2	21.6	18.1	16.4	18.1	17.9	18.3	18.5
3.5–4.0	—	17.4	21.5	22.0	22.9	20.5	24.9	25.2	19.9	19.7	18.1	20.1	18.1	15.7	23.2	15.0	18.6	15.9	19.7	16.2
4.5–5.0	—	18.0	16.7	18.6	24.7	24.8	14.7	21.3	22.6	20.0	20.2	20.4	21.8	16.7	20.9	18.5	16.4	13.5	17.4	17.7
5.5–6.0 (High)	—	14.0	24.9	22.5	23.2	23.6	19.5	28.1	20.4	17.5	20.6	22.0	22.2	16.4	16.3	19.4	13.3	16.5	16.0	18.8
Race/Ethnicity (2-year average): ^b																				
White	—	—	20.5	22.1	23.6	24.1	23.3	24.2	24.5	23.0	22.0	22.0	22.6	21.3	21.0	20.7	19.0	18.0	18.7	19.4
African American	—	—	10.5	7.7	8.4	11.1	10.6	8.6	10.9	11.2	8.0	7.5	6.2	7.2	10.4	9.6	6.8	7.1	8.9	9.5
Hispanic	—	—	25.5	26.8	25.9	22.9	25.3	26.7	24.5	21.4	20.9	20.8	21.9	19.0	14.6	11.9	13.4	19.4	18.1	16.8

(Table continued on next page.)

TABLE 103 (cont.)
LIQUOR: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																			2013– 2014 change	
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	20.2	21.6	21.1	23.6	22.3	23.8	22.7	25.6	21.1	23.8	25.0	23.3	22.9	22.1	21.5	20.3	18.3	22.1	21.0	18.2	-2.8
Gender:																					
Male	24.7	24.6	23.9	27.3	27.6	30.8	26.4	27.2	24.1	29.2	28.5	24.7	24.4	24.0	23.3	23.6	20.4	24.3	22.5	21.0	-1.5
Female	16.2	17.7	18.7	20.0	16.1	17.4	18.8	23.6	18.9	18.2	22.0	22.0	21.5	20.3	19.3	15.9	16.0	19.8	19.2	15.6	-3.5
College Plans:																					
None or under 4 years	22.5	21.1	23.4	31.2	23.2	26.4	29.2	31.9	23.0	29.2	32.6	27.1	26.5	29.3	28.5	28.9	21.5	23.0	26.5	19.0	-7.5 s
Complete 4 years	19.2	21.4	20.6	21.7	21.9	22.9	20.7	23.7	20.5	22.1	23.7	22.6	22.1	20.5	19.9	18.6	17.7	21.4	19.8	17.9	-1.9
Region:																					
Northeast	19.2	25.4	24.6	29.8	25.5	24.7	27.9	27.8	23.5	28.2	28.7	29.0	31.2	23.2	27.6	23.9	24.3	29.3	22.0	19.5	-2.5
Midwest	21.5	22.0	20.6	23.6	19.9	29.7	21.5	28.1	24.8	23.4	28.3	26.2	26.7	23.4	23.7	21.4	19.7	21.8	23.5	19.8	-3.6
South	21.8	21.9	20.0	21.7	21.7	17.4	20.4	24.3	17.4	21.6	22.8	20.5	19.0	21.2	18.7	19.2	15.4	19.7	18.8	15.9	-2.9
West	16.4	16.3	20.5	22.3	23.6	26.1	24.3	22.7	20.7	23.4	21.2	19.8	19.0	21.3	17.3	18.2	17.6	20.9	20.9	19.4	-1.5
Population Density:																					
Large MSA	19.3	19.5	23.0	23.9	21.4	26.6	23.6	25.8	20.0	20.7	25.3	22.6	26.0	24.0	21.9	22.3	22.4	26.7	24.4	18.5	-5.9
Other MSA	20.3	24.9	21.3	25.1	22.8	21.7	22.2	26.3	21.9	24.6	26.2	25.0	21.4	20.3	21.8	20.8	17.7	21.4	19.9	18.8	-1.1
Non-MSA	21.1	17.7	18.7	20.3	22.2	24.1	22.6	24.0	21.2	25.5	22.5	21.0	21.6	23.8	20.1	16.2	14.0	16.8	19.2	16.5	-2.7
Parental Education: ^a																					
1.0–2.0 (Low)	15.2	14.7	16.7	23.9	25.5	24.4	15.2	18.4	17.9	17.8	18.5	19.1	18.8	16.9	23.8	15.7	17.3	17.3	20.6	11.5	-9.1 s
2.5–3.0	19.7	22.1	18.3	21.3	20.7	17.8	25.4	24.2	24.2	25.9	22.1	22.7	22.0	20.1	17.8	25.5	16.5	24.2	18.0	17.3	-0.7
3.5–4.0	20.7	20.4	23.3	25.4	23.6	25.8	21.8	24.4	21.1	26.2	23.5	26.1	24.3	22.8	22.1	19.0	18.9	21.4	25.5	19.7	-5.8
4.5–5.0	21.6	18.0	22.2	24.3	20.6	24.5	24.9	29.0	21.0	22.2	29.8	24.5	24.1	22.0	24.5	20.5	20.5	24.1	23.0	18.3	-4.7
5.5–6.0 (High)	22.0	31.3	23.5	23.0	22.8	30.4	22.4	31.0	21.0	20.3	28.7	20.3	24.1	25.5	20.0	18.3	18.1	19.8	15.8	24.0	+8.2
Race/Ethnicity (2-year average): ^b																					
White	20.4	22.3	23.4	24.7	24.4	24.3	25.3	26.3	25.4	24.6	26.9	27.5	25.8	23.9	22.3	21.7	20.9	21.5	22.7	22.2	-0.5
African American	11.3	15.4	12.5	9.9	10.4	10.2	12.8	14.6	14.9	15.8	17.2	14.9	13.7	17.1	21.7	18.8	12.3	13.8	16.8	13.6	-3.1
Hispanic	18.1	18.9	20.0	22.2	24.3	25.2	24.0	24.0	21.1	18.9	20.6	18.4	17.6	19.1	20.5	21.0	21.6	22.5	21.6	17.5	-4.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 104
WINE: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			→	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988 ^a	1989	1990	1991	1992	1993	1994	(Years cont.)
Approximate weighted N =	—	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	—	34.5	37.4	37.7	36.6	39.5	36.6	37.8	36.0	34.1	36.0	34.5	33.5	22.7	19.7	14.7	16.1	16.9	14.9	14.2	
Gender:																					
Male	—	34.1	35.5	34.8	33.9	38.1	35.3	35.6	33.8	30.3	34.2	30.8	29.3	20.7	18.9	16.1	16.9	17.2	15.9	13.8	
Female	—	34.5	39.1	40.2	39.0	41.1	38.2	39.9	37.7	38.1	37.4	38.1	37.1	24.3	20.4	13.5	15.5	16.6	13.9	14.3	
College Plans:																					
None or under 4 years	—	31.5	33.1	33.8	33.8	37.1	32.8	36.3	34.5	33.7	34.6	31.5	28.2	19.7	18.6	11.9	16.1	12.6	16.5	11.7	
Complete 4 years	—	38.0	41.4	41.5	38.5	41.0	39.1	39.5	37.2	34.0	37.3	36.2	35.7	24.0	20.5	16.0	16.4	18.4	14.4	14.8	
Region:																					
Northeast	—	45.2	42.6	47.5	45.3	48.0	51.6	51.4	46.0	41.5	43.9	32.0	35.6	27.7	22.1	15.0	22.1	18.5	15.2	15.9	
Midwest	—	33.8	36.3	40.8	33.8	36.6	38.5	38.9	36.0	34.3	34.1	41.0	34.0	23.0	23.7	13.4	17.3	21.9	14.0	14.3	
South	—	27.5	34.2	30.2	30.8	34.8	26.3	27.7	30.9	29.5	30.7	28.1	31.7	18.9	17.4	14.5	11.8	11.0	16.7	13.0	
West	—	34.0	38.1	32.7	40.8	42.4	31.6	32.5	32.4	34.7	38.4	38.1	33.8	24.5	16.0	16.9	16.2	18.3	13.0	15.0	
Population Density:																					
Large MSA	—	46.6	47.0	45.6	44.2	46.9	46.0	46.3	45.0	36.7	40.7	36.6	35.3	27.6	20.6	15.3	13.9	17.0	20.0	16.8	
Other MSA	—	33.0	36.5	36.8	36.0	42.1	34.6	36.6	32.4	34.0	36.4	36.0	34.9	22.0	20.5	16.8	17.8	19.0	15.0	14.4	
Non-MSA	—	28.0	31.4	32.8	31.9	31.0	32.4	32.8	33.8	32.3	31.7	30.7	29.2	19.3	16.7	9.9	15.1	12.6	11.3	11.3	
Parental Education: ^b																					
1.0–2.0 (Low)	—	33.4	30.1	32.3	31.4	28.0	28.0	30.2	26.6	28.3	28.6	28.0	23.9	16.4	19.0	9.5	10.8	11.7	14.3	9.8	
2.5–3.0	—	33.8	32.8	35.3	33.0	38.0	33.2	33.8	35.3	34.0	32.4	31.3	30.7	17.8	15.6	12.4	16.0	13.9	12.1	13.6	
3.5–4.0	—	36.9	42.0	40.2	38.2	39.6	37.2	42.0	32.9	35.9	36.9	37.1	31.5	23.4	18.8	14.2	16.4	15.4	14.3	11.7	
4.5–5.0	—	39.6	42.5	40.8	43.6	45.2	41.5	43.4	46.1	37.1	43.1	36.3	39.7	26.5	24.1	18.9	17.5	19.2	17.7	14.6	
5.5–6.0 (High)	—	48.4	57.3	49.8	46.7	51.7	52.9	47.5	43.2	33.9	42.6	40.1	40.9	31.4	23.5	19.3	19.4	27.1	16.5	23.8	
Race/Ethnicity (2-year average): ^c																					
White	—	—	35.9	38.1	38.1	39.2	40.2	39.6	38.4	36.5	36.7	37.1	35.7	29.9	23.0	18.6	16.6	17.4	16.2	14.4	
African American	—	—	36.2	30.8	27.4	27.9	24.9	26.0	28.9	24.4	21.3	21.0	21.8	18.4	15.0	11.2	10.2	11.7	14.5	17.6	
Hispanic	—	—	42.9	38.5	30.0	31.0	27.3	26.8	28.3	30.9	37.0	37.4	33.0	22.2	15.0	14.2	10.9	14.9	14.3	14.2	

(Table continued on next page.)

TABLE 104 (cont.)
WINE: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	14.3	18.3	17.0	16.0	15.8	16.2	14.1	13.4	13.4	13.9	14.4	12.6	14.1	14.0	11.5	9.3	10.2	10.6	11.5	11.5	0.0
Gender:																					
Male	13.2	18.1	16.7	17.4	17.6	17.7	12.8	13.2	13.9	13.8	13.8	11.6	12.1	13.4	12.0	8.7	9.2	8.8	10.2	10.7	+0.5
Female	15.3	18.2	17.3	15.0	14.4	15.0	15.5	13.2	13.5	14.1	15.1	13.6	15.3	14.4	10.9	10.2	11.0	12.5	12.7	12.6	-0.1
College Plans:																					
None or under 4 years	10.6	14.5	14.2	19.0	11.9	12.0	15.9	11.7	13.8	12.7	14.4	13.9	13.1	17.3	10.3	10.6	8.3	5.6	8.9	12.9	+4.0
Complete 4 years	15.3	19.3	18.0	15.3	16.8	17.1	13.3	13.7	13.5	14.5	14.3	11.9	14.4	13.4	11.6	9.0	10.6	11.9	12.1	11.1	-1.0
Region:																					
Northeast	14.2	23.4	19.4	18.7	23.5	20.8	19.2	17.3	12.5	18.2	15.2	13.9	17.6	17.0	17.6	13.4	12.2	13.2	11.2	13.5	+2.4
Midwest	14.3	13.1	14.2	17.7	16.2	11.9	13.5	14.9	13.5	13.0	15.3	13.9	14.1	13.9	14.6	12.3	8.8	10.4	12.4	12.4	0.0
South	15.9	20.0	17.7	13.8	14.6	17.2	13.9	12.7	14.0	12.6	13.4	12.1	13.9	13.3	7.6	6.8	10.0	9.3	10.5	10.9	+0.4
West	11.6	16.8	17.1	15.9	11.2	15.9	11.3	9.8	13.5	12.8	14.1	10.7	11.5	13.3	8.2	7.3	10.8	10.7	12.0	10.0	-2.0
Population Density:																					
Large MSA	14.8	19.5	18.2	19.5	17.4	20.4	16.7	17.2	11.1	12.5	16.9	15.0	16.7	18.8	12.6	9.6	11.1	16.0	12.9	13.6	+0.7
Other MSA	15.1	18.6	18.2	15.9	16.5	14.6	11.5	11.8	15.0	15.4	14.0	12.8	13.5	13.0	12.3	10.3	11.0	9.4	10.3	11.5	+1.2
Non-MSA	12.4	16.6	13.6	12.3	13.3	14.2	15.6	11.9	13.5	12.8	12.2	8.9	11.3	11.0	8.3	6.6	7.4	5.6	12.2	8.7	-3.5
Parental Education: ^b																					
1.0–2.0 (Low)	13.5	9.7	13.1	14.6	16.7	19.7	12.3	14.8	9.4	12.8	10.9	4.0	9.9	11.3	9.1	5.7	9.0	8.9	5.6	6.6	+1.0
2.5–3.0	10.2	15.2	13.8	10.2	10.5	10.4	13.6	8.6	13.1	10.9	13.4	10.6	9.0	11.9	8.8	9.5	5.8	9.0	10.5	7.9	-2.6
3.5–4.0	10.5	17.9	15.7	15.1	11.5	14.6	10.2	13.1	13.1	15.6	12.2	11.4	15.3	13.3	10.2	7.5	11.2	11.1	12.0	11.5	-0.5
4.5–5.0	18.1	18.0	18.0	20.8	19.6	16.2	19.1	15.4	15.5	14.1	16.8	15.5	16.4	13.7	13.6	12.3	8.8	11.6	14.9	10.8	-4.1
5.5–6.0 (High)	24.9	27.2	29.1	20.0	29.8	29.1	16.7	19.0	15.8	18.3	18.2	18.4	19.9	17.2	17.9	10.0	17.3	12.4	11.4	25.5	+14.1 ss
Race/Ethnicity (2-year average): ^c																					
White	14.4	16.8	19.3	18.1	16.6	16.4	15.9	15.2	14.5	14.7	15.5	15.6	15.4	14.3	12.8	11.5	10.8	11.5	12.2	13.0	+0.8
African American	13.6	12.8	11.1	9.9	9.3	9.5	10.9	8.5	8.0	7.9	7.8	6.1	6.5	11.2	11.6	7.6	8.8	10.4	10.5	7.7	-2.8
Hispanic	15.0	13.8	13.5	13.4	16.4	17.9	12.9	9.4	12.2	13.5	13.1	10.5	11.0	15.7	14.2	9.4	8.2	9.4	7.8	6.6	-1.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aIn the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 105
WINE: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																			→	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988 ^a	1989	1990	1991	1992	1993	1994	(Years cont.)
Approximate weighted N =	—	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Total	—	12.5	13.1	13.5	12.9	13.2	13.0	14.9	14.3	13.0	12.8	13.8	12.7	7.8	6.8	4.9	5.8	5.7	5.8	4.9	
Gender:																					
Male	—	14.5	13.9	14.3	13.9	13.3	12.2	12.6	14.4	12.6	12.9	12.4	12.3	7.8	6.1	5.5	7.1	6.5	7.2	4.9	
Female	—	10.4	12.1	12.8	12.0	12.8	13.5	16.8	13.9	13.1	12.5	14.6	12.8	7.7	7.3	4.3	4.6	4.5	4.4	4.9	
College Plans:																					
None or under 4 years	—	14.1	14.6	14.6	14.8	15.3	13.2	16.1	15.7	14.4	13.9	14.6	13.7	9.5	9.0	5.1	8.0	6.7	8.3	4.0	
Complete 4 years	—	10.4	11.6	12.7	11.4	11.3	12.6	13.9	13.2	11.9	11.9	13.3	12.0	7.1	6.0	4.9	5.3	5.4	5.1	5.3	
Region:																					
Northeast	—	14.8	14.8	15.0	16.4	18.2	17.9	18.3	19.1	16.9	15.7	11.5	10.7	8.1	7.4	3.6	7.1	4.5	3.4	4.2	
Midwest	—	13.8	12.9	15.4	12.6	12.2	13.9	16.0	13.6	14.1	12.3	17.2	13.5	7.8	6.9	3.9	5.6	7.2	4.6	4.6	
South	—	10.1	11.8	11.7	11.8	11.6	10.0	12.4	12.5	11.0	10.9	12.9	13.1	6.8	6.7	5.4	5.1	4.1	8.2	4.7	
West	—	10.8	13.4	10.9	10.4	11.6	9.8	12.0	13.1	10.9	13.3	12.2	13.2	9.5	6.3	7.0	6.0	7.1	5.3	6.5	
Population Density:																					
Large MSA	—	17.0	14.9	14.7	14.3	14.9	16.8	17.9	17.1	14.1	14.0	13.5	11.0	9.7	6.1	4.4	5.3	6.1	5.4	4.7	
Other MSA	—	11.4	13.0	12.5	11.8	13.2	11.6	13.3	12.6	12.4	13.7	13.8	13.6	7.8	8.0	4.9	6.5	5.8	6.8	6.2	
Non-MSA	—	10.7	11.8	14.0	13.1	12.0	11.8	14.7	14.4	13.0	10.6	13.9	12.9	6.0	4.8	5.2	4.9	5.1	4.5	3.2	
Parental Education: ^b																					
1.0–2.0 (Low)	—	14.0	16.4	14.9	12.7	10.2	13.7	15.7	12.1	12.8	11.9	14.7	12.2	8.2	8.3	4.6	5.7	8.0	12.4	4.9	
2.5–3.0	—	13.4	12.0	13.7	12.4	15.4	13.1	12.1	16.8	14.6	12.1	13.6	13.0	7.2	6.2	5.4	6.8	4.8	5.3	3.8	
3.5–4.0	—	11.7	14.0	12.2	10.3	13.0	13.4	16.7	12.4	15.0	13.1	14.9	12.1	7.5	6.3	5.4	6.5	4.1	4.3	5.5	
4.5–5.0	—	12.4	9.4	12.9	16.5	12.7	11.2	14.9	14.4	10.2	13.4	12.2	13.3	7.7	8.0	4.3	4.9	6.1	6.0	3.7	
5.5–6.0 (High)	—	14.4	15.4	15.0	16.5	12.0	14.2	21.2	12.5	7.7	14.5	12.9	12.3	9.5	5.0	4.4	3.5	8.3	4.4	8.4	
Race/Ethnicity (2-year average): ^c																					
White	—	—	12.0	13.1	13.4	13.1	13.4	14.4	14.8	13.8	13.3	13.6	13.4	10.4	7.5	6.0	5.3	5.5	5.0	4.8	
African American	—	—	16.7	12.6	10.8	10.4	9.0	10.0	11.4	10.1	8.3	8.3	7.6	8.3	7.8	4.7	5.1	5.1	7.6	7.5	
Hispanic	—	—	19.3	14.7	9.7	9.5	15.3	15.1	15.8	14.3	13.4	16.1	14.7	8.4	5.1	6.4	4.3	7.5	7.8	7.2	

(Table continued on next page.)

TABLE 105 (cont.)
WINE: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	5.8	7.0	6.4	6.4	5.0	5.4	5.9	4.7	5.0	4.9	5.4	4.4	5.1	5.0	4.0	3.7	3.5	3.9	4.0	4.9	+0.9
Gender:																					
Male	6.1	8.3	6.9	6.9	6.5	7.3	5.8	4.6	5.7	6.2	5.1	4.9	4.7	4.8	3.6	3.5	4.0	3.3	4.4	4.5	+0.2
Female	5.6	5.7	6.1	5.8	3.8	3.6	5.3	4.1	4.3	3.5	5.6	4.1	5.6	5.1	4.3	3.7	2.9	4.1	4.2	5.4	+1.2
College Plans:																					
None or under 4 years	6.1	5.7	8.7	9.6	5.0	4.2	7.8	6.4	7.0	5.2	7.1	6.0	5.4	7.7	3.4	4.6	3.8	1.6	3.7	7.5	+3.8
Complete 4 years	5.4	7.2	5.7	5.5	5.1	5.6	5.2	4.1	4.5	4.8	4.8	4.0	5.1	4.3	3.9	3.3	3.5	4.4	3.7	4.1	+0.4
Region:																					
Northeast	5.9	10.2	6.6	8.0	5.4	5.9	8.3	5.3	4.1	4.6	5.2	5.6	8.3	4.2	5.8	5.7	4.8	5.7	4.7	5.8	+1.1
Midwest	6.3	5.7	5.5	6.4	6.4	5.3	4.5	4.6	5.5	5.1	6.1	5.0	4.9	6.2	5.1	4.3	2.2	4.0	3.9	6.2	+2.3
South	6.9	6.7	7.2	5.7	5.0	5.2	5.8	3.9	5.4	4.9	5.1	3.6	4.4	4.7	2.7	2.7	4.1	3.4	3.9	4.5	+0.5
West	3.0	6.1	6.3	6.5	3.2	5.5	6.1	5.8	4.5	4.9	5.3	4.1	4.1	4.8	3.0	3.0	3.3	3.3	3.8	3.7	0.0
Population Density:																					
Large MSA	5.6	9.6	7.3	6.6	5.3	6.7	5.5	5.4	4.1	5.3	5.8	5.3	6.4	4.2	3.9	3.6	3.8	5.2	4.4	5.2	+0.8
Other MSA	5.4	7.0	6.4	6.6	4.2	5.4	5.4	3.2	5.0	4.6	5.3	3.9	5.3	5.4	4.2	4.2	4.0	3.5	3.2	4.8	+1.6
Non-MSA	6.6	4.9	5.6	5.8	6.2	3.9	7.0	6.7	5.9	5.0	5.2	4.1	2.9	5.2	3.8	2.4	2.1	3.0	5.4	4.8	-0.6
Parental Education: ^b																					
1.0–2.0 (Low)	6.1	4.2	5.2	10.7	8.2	11.3	8.0	8.2	6.8	6.4	5.6	4.3	2.3	5.1	4.3	2.4	2.5	2.1	2.2	3.6	+1.4
2.5–3.0	5.6	6.5	6.8	6.0	3.5	3.7	5.6	4.6	6.6	4.4	5.3	2.8	3.1	5.2	3.5	3.4	3.0	4.1	5.7	3.1	-2.6
3.5–4.0	4.2	7.1	4.8	5.7	4.1	5.3	4.7	4.5	4.6	6.5	4.6	3.6	6.5	5.2	3.6	3.2	3.3	3.3	5.4	6.6	+1.1
4.5–5.0	5.6	4.4	8.1	7.6	4.7	4.8	7.2	4.4	4.1	4.1	4.7	5.2	5.3	3.9	5.3	4.5	3.6	5.2	3.6	3.7	+0.2
5.5–6.0 (High)	11.1	13.0	8.2	4.5	8.8	6.5	5.5	4.4	4.2	4.2	8.1	7.3	7.5	4.5	3.8	3.7	5.4	3.6	1.8	7.8	+6.0 s
Race/Ethnicity (2-year average): ^c																					
White	5.2	6.2	6.9	6.5	5.4	4.7	4.8	4.9	5.0	4.9	5.1	5.2	5.2	4.9	4.1	4.1	4.0	3.6	3.7	5.1	+1.4
African American	4.0	4.9	5.1	5.3	4.5	5.2	6.5	5.0	4.3	3.5	2.3	1.7	2.6	3.8	4.5	4.3	3.6	4.0	4.4	4.1	-0.3
Hispanic	7.3	7.6	7.6	7.1	7.8	7.8	7.8	4.7	3.5	5.2	5.0	3.9	4.4	5.6	5.2	3.3	2.6	4.3	3.7	2.6	-1.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1976–1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aIn the 1988 questionnaires, a question on the use of wine coolers was added. This change may account for the discontinuity between the 1987 and 1988 use rates for wine.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 106
WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days													
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004– 2014
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	—
Total	14.8	15.1	16.1	15.9	15.3	17.5	15.9	15.6	16.5	14.8	15.3	12.9	12.4	—
Gender:														
Male	14.7	13.8	16.2	15.8	14.6	16.1	14.5	15.4	16.7	13.4	14.2	11.9	10.2	—
Female	14.6	16.2	16.0	16.2	15.6	18.7	16.9	15.8	16.3	15.9	15.9	13.3	14.3	—
College Plans:														
None or under 4 years	21.2	23.9	30.6	28.1	25.3	28.7	32.1	27.3	31.9	28.5	31.6	21.1	24.2	—
Complete 4 years	13.7	14.0	14.3	14.5	14.1	15.7	14.0	14.3	14.7	13.3	13.4	12.2	11.1	—
Region:														
Northeast	9.8	11.5	12.7	15.8	15.0	17.7	14.5	15.7	15.4	13.5	17.7	11.8	10.9	—
Midwest	14.5	14.6	15.7	15.0	13.9	18.5	16.1	16.2	17.6	17.0	14.8	12.1	15.5	—
South	17.4	18.1	17.8	16.7	17.0	17.5	16.6	16.2	18.6	14.6	16.8	15.0	12.7	—
West	14.8	14.2	17.3	15.9	13.9	16.0	15.3	14.0	12.7	13.3	11.4	11.3	8.9	—
Population Density:														
Large MSA	14.1	16.4	12.7	14.4	11.1	16.5	14.1	14.0	14.0	12.9	12.3	12.1	10.4	—
Other MSA	14.6	15.4	17.4	17.8	16.1	18.2	15.7	15.4	16.8	14.5	15.4	12.7	12.3	—
Non-MSA	15.8	13.4	17.3	13.2	15.8	17.3	17.9	17.6	18.9	17.5	18.3	14.4	14.7	—
Parental Education: ^a														
1.0–2.0 (Low)	19.3	18.7	18.5	21.1	20.4	21.7	22.2	20.7	30.2	22.1	25.1	22.8	18.2	—
2.5–3.0	16.9	16.6	19.9	17.7	17.6	20.2	19.2	17.8	19.7	18.1	19.7	14.3	15.4	—
3.5–4.0	12.9	16.8	17.2	18.4	15.7	18.4	16.8	16.6	17.5	14.3	19.6	15.7	15.8	—
4.5–5.0	13.9	11.8	13.5	12.0	12.5	15.4	11.9	13.6	13.1	11.8	9.0	9.8	8.1	—
5.5–6.0 (High)	13.5	12.5	11.9	14.7	13.2	13.8	13.5	14.2	11.4	12.1	8.2	9.0	8.7	—
Race/Ethnicity (2-year average): ^b														
White	—	14.4	15.1	15.1	14.9	16.4	16.5	15.4	16.0	15.9	15.0	14.0	12.6	—
African American	—	13.7	13.3	14.4	12.7	12.2	14.7	12.8	12.8	13.1	12.0	9.8	9.6	—
Hispanic	—	21.9	23.2	23.4	24.4	22.9	21.3	21.2	22.4	21.1	18.5	18.9	18.8	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S1. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S1. The category of wine coolers was dropped from the 8th- and 10th-grade questionnaires in 2004 to make space for a more general class of flavored alcoholic beverages.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 107
WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days													
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004– 2014
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	—
Total	24.0	21.5	22.5	21.8	20.8	22.8	22.1	20.9	22.1	21.2	20.8	18.9	17.2	—
Gender:														
Male	23.9	19.8	20.5	21.9	19.4	21.8	20.6	19.0	20.5	19.6	19.8	16.0	14.8	—
Female	24.1	22.9	24.3	21.6	21.9	23.6	23.4	22.0	23.4	22.6	21.7	21.6	19.5	—
College Plans:														
None or under 4 years	31.1	26.7	27.6	28.4	28.9	33.0	28.4	29.3	33.4	32.6	31.6	30.2	23.8	—
Complete 4 years	22.5	20.5	21.4	20.4	19.4	21.0	21.1	19.3	20.3	19.5	19.1	17.2	16.2	—
Region:														
Northeast	23.2	19.0	24.1	21.6	18.5	20.3	21.0	19.1	21.7	18.8	21.5	18.1	18.7	—
Midwest	23.0	20.2	20.4	21.6	20.6	21.9	20.9	19.1	21.1	20.6	20.2	19.2	15.3	—
South	26.0	23.3	23.6	23.0	22.9	25.0	23.4	22.5	24.0	23.3	21.4	17.7	16.9	—
West	23.0	22.7	23.0	20.2	19.2	22.3	22.4	22.0	20.3	20.7	19.6	21.5	18.2	—
Population Density:														
Large MSA	23.1	21.6	21.5	21.2	16.4	19.3	20.2	16.9	23.1	19.8	19.9	17.4	17.0	—
Other MSA	23.8	22.3	22.4	22.6	20.7	23.7	22.2	21.9	21.3	19.7	19.7	18.7	16.4	—
Non-MSA	25.1	20.0	23.6	20.4	23.7	24.6	23.8	23.2	22.6	25.6	23.7	21.2	19.5	—
Parental Education: ^a														
1.0–2.0 (Low)	25.9	24.4	27.4	24.4	27.7	25.4	21.1	22.6	26.3	23.8	22.2	20.3	23.4	—
2.5–3.0	26.8	21.3	22.3	22.4	23.8	25.5	24.3	25.4	25.1	24.2	22.7	22.5	19.8	—
3.5–4.0	24.8	22.5	22.5	22.3	22.1	23.7	23.6	22.0	22.3	23.6	22.2	19.1	17.5	—
4.5–5.0	21.8	20.6	21.9	21.4	19.1	19.9	21.2	15.6	17.5	19.4	17.7	18.2	15.4	—
5.5–6.0 (High)	20.7	20.5	20.2	17.8	14.5	21.3	18.5	18.5	21.2	14.2	20.3	13.7	13.3	—
Race/Ethnicity (2-year average): ^b														
White	—	23.0	21.9	22.1	21.2	21.7	22.6	21.7	21.6	21.9	21.2	20.3	18.1	—
African American	—	19.9	19.3	20.6	20.0	16.6	16.1	17.6	17.0	18.1	18.3	15.3	15.2	—
Hispanic	—	26.3	26.2	24.7	24.9	28.1	28.0	24.1	24.5	25.2	24.5	22.3	21.7	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996; N is one half of N indicated in Table S2. Data based on one of four forms beginning in 1997; N is one third of N indicated in Table S2. The category of wine coolers was dropped from the 8th- and 10th-grade questionnaires in 2004 to make space for a more general class of flavored alcoholic beverages.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 108
WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																		→ (Years cont.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992		1993
<i>Approximate weighted N =</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	36.6	29.4	26.2	24.3	21.9	19.4	22.2
Gender:																				
Male	—	—	—	—	—	—	—	—	—	—	—	—	—	30.8	25.5	22.7	22.1	19.1	15.1	16.9
Female	—	—	—	—	—	—	—	—	—	—	—	—	—	41.5	33.6	29.8	26.3	24.3	22.8	26.4
College Plans:																				
None or under 4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	38.2	30.9	29.2	29.3	21.9	20.5	22.8
Complete 4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	35.9	28.6	24.9	22.8	22.0	19.2	22.3
Region:																				
Northeast	—	—	—	—	—	—	—	—	—	—	—	—	—	33.8	29.6	29.2	21.0	19.6	18.9	15.4
Midwest	—	—	—	—	—	—	—	—	—	—	—	—	—	37.9	33.0	28.6	26.1	23.7	19.4	26.0
South	—	—	—	—	—	—	—	—	—	—	—	—	—	33.6	25.7	22.9	23.1	21.3	20.6	23.4
West	—	—	—	—	—	—	—	—	—	—	—	—	—	42.7	31.3	24.7	26.3	22.2	17.8	19.8
Population Density:																				
Large MSA	—	—	—	—	—	—	—	—	—	—	—	—	—	37.7	28.6	25.9	20.9	21.2	20.4	21.2
Other MSA	—	—	—	—	—	—	—	—	—	—	—	—	—	37.1	31.1	28.7	28.1	21.0	19.0	23.3
Non-MSA	—	—	—	—	—	—	—	—	—	—	—	—	—	34.6	26.4	21.1	20.6	24.1	19.4	21.3
Parental Education: ^a																				
1.0–2.0 (Low)	—	—	—	—	—	—	—	—	—	—	—	—	—	28.8	27.7	22.9	24.0	25.7	20.8	23.5
2.5–3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	37.8	31.9	28.1	25.4	21.2	17.1	26.4
3.5–4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	38.5	31.2	27.1	27.2	22.9	24.4	20.9
4.5–5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	35.6	27.6	27.6	22.1	18.0	17.2	22.8
5.5–6.0 (High)	—	—	—	—	—	—	—	—	—	—	—	—	—	36.9	23.5	21.5	18.0	24.5	16.4	14.6
Race/Ethnicity (2-year average): ^b																				
White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	35.4	29.6	26.7	23.7	21.3	21.5
African American	—	—	—	—	—	—	—	—	—	—	—	—	—	—	25.3	21.7	20.9	18.2	17.6	18.3
Hispanic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	30.2	23.3	22.3	26.7	22.9	22.9

(Table continued on next page.)

TABLE 108 (cont.)
WINE COOLERS: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	20.6	20.7	20.7	20.1	18.4	17.6	19.0	19.3	14.6	14.4	14.1	13.3	12.7	12.8	12.2	12.4	10.0	10.7	11.3	11.3	-0.1
Gender:																					
Male	15.5	17.7	15.9	15.0	15.6	15.6	14.1	12.0	9.4	11.2	8.7	9.2	9.2	8.3	7.6	9.1	6.1	6.7	6.6	7.0	+0.4
Female	25.1	23.6	24.4	23.5	20.6	19.5	22.2	24.2	18.9	17.2	18.7	17.1	16.1	16.6	16.0	16.2	13.4	14.6	15.6	15.0	-0.6
College Plans:																					
None or under 4 years	22.7	20.0	17.8	21.8	22.8	21.2	23.1	21.8	17.2	16.7	18.6	17.5	18.0	16.8	15.1	18.6	12.7	10.8	13.7	12.4	-1.3
Complete 4 years	19.8	20.9	21.6	19.6	17.3	16.1	17.7	18.8	14.0	13.7	13.2	12.3	11.5	12.0	11.4	11.3	9.5	10.8	10.8	10.8	0.0
Region:																					
Northeast	14.6	21.1	17.2	20.8	22.1	19.1	18.4	17.8	15.9	14.7	17.3	13.3	15.2	11.7	11.7	15.9	14.8	13.5	14.0	12.6	-1.4
Midwest	19.8	20.9	21.5	18.6	19.2	18.3	19.5	20.9	15.5	11.0	13.7	13.2	11.9	12.3	14.4	12.3	9.5	10.9	12.7	11.6	-1.1
South	24.1	23.2	22.9	20.6	18.7	16.8	19.7	20.6	13.9	16.7	13.5	14.6	13.0	15.1	10.1	12.8	9.8	9.4	9.3	12.6	+3.3
West	20.4	14.9	18.9	20.4	13.7	16.7	17.5	16.6	13.1	14.6	12.7	10.9	10.9	10.8	13.1	9.4	7.7	10.6	10.9	7.8	-3.0
Population Density:																					
Large MSA	20.7	22.7	23.9	22.5	14.7	19.8	18.1	20.5	12.8	14.2	13.5	10.7	11.9	11.4	11.9	12.2	11.6	11.8	12.2	10.7	-1.5
Other MSA	19.8	19.3	19.1	19.4	17.5	15.0	18.5	18.4	13.7	13.8	13.2	14.4	12.6	12.8	12.8	12.8	8.5	9.5	10.4	10.1	-0.3
Non-MSA	21.8	21.6	20.1	18.7	23.4	19.4	20.6	19.4	18.0	15.6	16.7	14.7	13.9	14.3	11.3	11.8	11.4	12.2	12.3	14.7	+2.4
Parental Education: ^a																					
1.0–2.0 (Low)	21.1	18.2	13.2	19.8	19.0	24.8	19.3	18.4	13.7	21.3	15.6	12.8	18.4	17.3	17.4	13.5	12.8	10.6	11.0	10.0	-1.0
2.5–3.0	20.4	26.8	20.0	21.4	23.2	16.3	22.8	19.6	18.1	17.2	19.8	15.6	13.1	12.8	11.1	16.7	15.5	10.2	13.1	15.0	+1.8
3.5–4.0	22.0	19.5	23.0	23.3	17.3	21.8	18.5	17.8	14.7	16.4	12.6	15.3	13.5	12.3	14.5	11.6	7.7	11.9	12.7	11.3	-1.4
4.5–5.0	21.0	17.0	21.4	17.9	14.3	13.6	19.0	19.4	12.4	9.1	13.6	12.7	10.8	11.1	11.0	10.9	8.5	12.3	11.0	9.0	-2.1
5.5–6.0 (High)	16.7	20.8	21.0	16.6	19.9	16.8	14.6	23.5	10.1	13.3	9.8	9.8	11.7	12.5	7.1	10.7	8.2	6.5	9.6	11.9	+2.3
Race/Ethnicity (2-year average): ^b																					
White	21.9	20.8	21.2	21.0	19.6	18.0	18.2	19.7	16.8	13.1	13.6	14.6	13.1	11.4	11.1	12.5	12.0	10.8	11.2	11.6	+0.4
African American	17.6	22.1	21.1	18.4	15.5	12.4	17.0	17.0	15.8	19.4	18.4	10.9	11.8	16.8	18.5	13.0	8.3	8.9	10.9	10.4	-0.6
Hispanic	26.0	22.0	19.8	18.2	17.4	20.7	20.0	16.7	16.0	19.7	19.4	13.8	13.0	12.9	13.2	12.7	10.5	9.7	11.2	11.0	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 109
WINE COOLERS: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																		→ (Years cont.)	
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	—	—	—	—	—	—	—	—	—	—	—	—	—	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	13.9	12.4	10.5	10.2	10.4	8.5	8.9
Gender:																				
Male	—	—	—	—	—	—	—	—	—	—	—	—	—	12.1	11.3	9.9	10.0	10.2	7.3	7.4
Female	—	—	—	—	—	—	—	—	—	—	—	—	—	15.1	13.5	11.3	10.2	10.3	9.5	10.0
College Plans:																				
None or under 4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	17.7	16.2	14.2	13.5	11.1	10.8	10.9
Complete 4 years	—	—	—	—	—	—	—	—	—	—	—	—	—	12.5	10.7	9.0	9.2	10.1	8.0	8.6
Region:																				
Northeast	—	—	—	—	—	—	—	—	—	—	—	—	—	14.7	14.3	10.0	7.6	8.8	6.5	5.5
Midwest	—	—	—	—	—	—	—	—	—	—	—	—	—	14.2	13.1	12.0	10.9	12.0	8.0	9.9
South	—	—	—	—	—	—	—	—	—	—	—	—	—	11.2	11.2	9.3	8.8	10.3	11.1	9.3
West	—	—	—	—	—	—	—	—	—	—	—	—	—	17.4	12.0	11.0	13.2	9.7	6.2	10.0
Population Density:																				
Large MSA	—	—	—	—	—	—	—	—	—	—	—	—	—	14.2	11.7	10.0	7.9	11.8	7.9	8.5
Other MSA	—	—	—	—	—	—	—	—	—	—	—	—	—	15.6	12.4	11.0	12.4	9.2	8.7	8.8
Non-MSA	—	—	—	—	—	—	—	—	—	—	—	—	—	10.7	13.3	9.9	8.2	11.7	8.6	9.6
Parental Education: ^a																				
1.0–2.0 (Low)	—	—	—	—	—	—	—	—	—	—	—	—	—	13.9	9.2	10.7	12.5	13.1	12.2	11.4
2.5–3.0	—	—	—	—	—	—	—	—	—	—	—	—	—	16.6	13.8	13.3	10.9	9.5	6.9	10.4
3.5–4.0	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6	14.9	9.3	12.0	11.1	11.1	8.8
4.5–5.0	—	—	—	—	—	—	—	—	—	—	—	—	—	11.7	10.5	11.3	9.2	8.8	7.4	9.2
5.5–6.0 (High)	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	7.4	6.3	3.7	10.6	5.6	4.8
Race/Ethnicity (2-year average): ^b																				
White	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.6	12.3	10.7	10.3	9.5	8.6
African American	—	—	—	—	—	—	—	—	—	—	—	—	—	—	13.0	9.9	9.2	8.7	8.6	8.6
Hispanic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.5	6.0	9.8	14.5	13.5	13.1

(Table continued on next page.)

TABLE 109 (cont.)
WINE COOLERS: Trends in 2-Week Prevalence of 5 or More Drinks in a Row by Subgroups in Grade 12

	Percentage reporting 5+ drinks in a row on one or more occasions																				2013– 2014 change	
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Total	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	+0.5	
Gender:																						
Male		6.7	6.9	6.7	7.0	7.0	9.4	6.2	7.2	5.4	7.5	4.2	6.1	4.8	4.5	3.5	5.7	3.6	3.0	4.1	4.1	0.0
Female		10.8	9.7	11.3	11.0	7.8	8.4	11.4	11.4	8.2	8.0	9.7	8.0	7.0	9.6	8.7	7.0	6.1	7.2	6.4	7.2	+0.9
College Plans:																						
None or under 4 years		12.1	8.8	10.1	9.9	10.2	12.1	14.8	13.7	8.9	10.8	11.4	11.9	11.1	8.2	9.4	9.9	6.2	6.7	7.9	6.2	-1.7
Complete 4 years		8.0	8.3	9.2	9.5	7.0	7.4	8.2	9.2	6.7	6.8	6.2	6.0	4.7	7.0	5.6	5.6	4.5	5.1	4.6	5.4	+0.8
Region:																						
Northeast		5.5	9.8	8.2	9.6	8.9	10.1	10.2	9.8	8.0	7.5	10.7	6.9	6.1	7.4	5.9	7.5	9.4	6.1	6.0	5.0	-1.0
Midwest		7.0	9.2	9.7	7.3	7.0	10.8	8.9	12.0	8.8	6.4	6.6	7.3	6.0	8.1	7.8	6.1	5.0	4.6	6.9	5.4	-1.5
South		11.5	8.7	9.7	10.5	8.8	5.9	10.9	9.6	6.7	8.6	6.6	8.3	5.7	8.4	4.9	7.3	4.6	6.1	3.9	6.5	+2.6 s
West		10.4	4.8	9.7	10.2	5.6	10.1	8.4	8.4	5.0	7.1	5.7	5.1	5.5	4.6	6.7	4.3	2.5	4.9	5.0	5.6	+0.6
Population Density:																						
Large MSA		11.1	8.8	10.8	12.1	7.5	11.1	10.6	9.6	6.8	7.2	7.0	6.4	5.3	6.3	4.8	7.1	4.9	6.8	6.3	5.3	-1.0
Other MSA		7.5	8.3	9.5	8.7	6.5	8.1	8.2	9.9	6.3	7.0	7.4	6.6	6.4	6.7	6.6	6.5	4.0	3.8	4.0	5.1	+1.1
Non-MSA		9.1	8.2	7.8	7.9	9.7	7.4	11.3	10.7	8.9	8.9	7.1	9.1	5.3	9.4	7.2	4.9	7.2	6.8	7.0	7.7	+0.8
Parental Education: ^a																						
1.0–2.0 (Low)		11.7	9.6	6.8	13.2	8.3	16.8	14.1	14.6	9.3	11.9	8.3	12.0	8.8	9.1	9.7	7.5	8.4	4.9	8.3	5.5	-2.7
2.5–3.0		9.5	11.4	9.8	11.0	9.2	8.8	12.6	9.9	9.4	9.5	9.9	8.2	8.1	8.0	5.4	8.5	7.9	6.7	4.9	6.4	+1.5
3.5–4.0		8.5	6.8	10.6	9.9	7.7	8.8	7.3	9.9	6.1	9.1	6.2	7.4	5.6	6.8	8.6	5.6	4.0	5.0	6.6	6.9	+0.3
4.5–5.0		9.2	7.2	8.6	7.7	7.2	8.6	10.7	10.7	5.9	4.2	6.8	7.4	4.7	5.5	4.2	5.3	3.4	5.7	4.3	4.5	+0.1
5.5–6.0 (High)		7.5	7.7	9.5	7.9	5.8	7.0	6.1	8.0	5.9	5.5	5.2	3.4	4.1	8.3	3.8	5.2	3.5	3.0	4.6	6.0	+1.4
Race/Ethnicity (2-year average): ^b																						
White		8.6	8.1	8.7	8.8	7.6	7.6	8.9	10.2	8.4	6.4	6.9	7.5	6.4	5.4	5.5	6.1	6.1	5.3	5.4	6.4	+1.0
African American		7.5	10.4	10.0	9.2	6.9	4.2	9.6	10.0	7.8	11.7	10.5	4.6	4.9	6.6	8.2	7.2	4.3	3.9	4.7	3.8	-0.9
Hispanic		13.9	11.1	9.8	12.0	12.6	13.2	11.5	9.1	9.3	10.6	9.4	8.0	7.9	8.1	8.8	7.4	5.6	5.4	5.8	5.2	-0.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

Data based on one of five forms in 1988; N is one fifth of N indicated in Table S3. Data based on one of six forms beginning in 1989; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 110
FLAVORED ALCOHOLIC BEVERAGES:
Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days												2013– 2014 change
	1991– 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	—	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	—	14.6	12.9	13.1	12.2	10.2	9.5	9.4	8.6	7.6	6.3	5.7	-0.7
Gender:													
Male	—	12.7	11.4	10.8	10.4	9.2	9.1	8.3	8.3	6.1	5.8	5.1	-0.6
Female	—	16.3	14.4	15.3	13.4	10.9	9.7	10.3	8.6	9.1	6.7	5.9	-0.7
College Plans:													
None or under 4 years	—	28.1	24.9	25.9	23.8	24.0	18.3	19.6	14.4	19.9	14.3	13.8	-0.5
Complete 4 years	—	13.3	11.8	11.8	11.1	9.0	8.7	8.6	8.3	6.7	5.8	5.1	-0.7
Region:													
Northeast	—	14.9	11.0	12.2	9.7	9.2	8.8	9.2	5.4	7.2	4.7	4.9	+0.2
Midwest	—	16.2	12.6	12.9	12.0	10.5	9.1	8.2	7.8	5.2	6.3	5.6	-0.6
South	—	15.1	14.6	14.3	14.0	12.6	11.8	11.3	9.6	9.2	7.4	4.7	-2.7 ss
West	—	11.7	11.9	12.0	10.9	7.2	6.7	7.6	10.4	7.6	5.9	7.8	+1.9
Population Density:													
Large MSA	—	14.4	11.5	12.6	10.6	11.1	7.2	8.5	6.4	6.8	5.7	4.9	-0.8
Other MSA	—	14.2	14.0	13.0	12.4	9.7	9.7	10.0	9.7	8.0	7.2	5.3	-1.8 s
Non-MSA	—	15.6	12.8	13.9	14.2	10.2	12.0	9.0	9.6	8.2	5.5	7.4	+1.9
Parental Education: ^a													
1.0–2.0 (Low)	—	19.5	19.5	18.7	21.1	19.3	14.7	11.2	12.7	11.7	12.3	9.5	-2.8
2.5–3.0	—	17.5	18.0	18.7	17.5	14.4	13.1	13.4	12.1	11.7	8.7	8.4	-0.3
3.5–4.0	—	17.8	16.2	13.4	12.3	11.7	11.4	10.5	10.3	7.8	7.9	7.0	-1.0
4.5–5.0	—	11.8	10.3	8.5	9.8	7.2	7.4	8.0	6.2	5.4	5.6	3.3	-2.3 s
5.5–6.0 (High)	—	11.5	7.3	9.9	7.1	6.5	4.7	4.9	6.2	4.7	2.8	4.1	+1.3
Race/Ethnicity (2-year average): ^b													
White	—	—	13.8	12.6	12.1	11.1	9.8	9.0	8.5	7.4	6.4	5.5	-0.8
African American	—	—	12.0	11.0	10.1	9.2	8.5	8.0	7.7	8.8	7.3	4.2	-3.1 s
Hispanic	—	—	17.0	17.6	16.7	13.9	11.8	11.7	11.4	10.8	9.1	7.5	-1.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S1. In 2011 Sky Blue and Zima were deleted from the list of examples.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 111
FLAVORED ALCOHOLIC BEVERAGES:
Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days												2013– 2014 change
	1991– 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	—	25.1	23.1	24.7	21.8	20.2	19.0	19.4	15.8	16.3	15.5	14.0	-1.5
Gender													
Male	—	24.5	20.3	22.4	18.8	17.0	17.0	18.8	13.8	13.5	13.7	12.4	-1.3
Female	—	25.6	25.8	26.9	24.7	22.9	20.9	19.8	17.7	18.5	16.7	15.7	-1.0
College Plans:													
None or under 4 years	—	32.5	33.8	37.2	32.0	29.1	30.0	28.6	25.7	21.0	19.1	20.5	+1.4
Complete 4 years	—	24.2	21.7	23.1	20.6	19.1	17.8	18.4	14.7	15.8	15.0	13.3	-1.7
Region:													
Northeast	—	26.6	22.4	26.3	23.2	22.2	18.6	18.3	17.5	19.4	15.6	14.4	-1.2
Midwest	—	22.5	23.4	23.5	21.2	20.0	17.6	19.1	14.3	14.5	13.9	12.3	-1.7
South	—	25.6	23.7	24.5	20.0	20.3	21.1	19.6	16.6	17.4	17.2	14.5	-2.7
West	—	26.5	22.5	25.4	23.6	19.0	17.9	20.3	15.1	14.0	15.0	14.8	-0.1
Population Density:													
Large MSA	—	22.4	22.0	23.1	21.5	19.0	17.6	20.2	15.3	17.4	13.8	13.7	-0.1
Other MSA	—	26.1	23.1	25.5	21.4	20.9	19.6	19.0	15.8	16.2	16.4	14.5	-1.9
Non-MSA	—	26.5	24.4	25.5	23.0	20.5	19.7	18.9	16.5	14.7	15.7	13.2	-2.4
Parental Education: ^a													
1.0–2.0 (Low)	—	27.3	24.9	25.8	25.5	21.8	23.5	26.4	17.6	17.0	16.4	14.6	-1.8
2.5–3.0	—	30.5	28.1	27.9	25.8	23.4	23.3	24.5	19.2	17.3	19.9	16.6	-3.3
3.5–4.0	—	25.0	23.6	28.5	23.1	21.2	18.8	20.2	17.5	15.6	16.3	16.2	-0.1
4.5–5.0	—	24.9	22.6	19.9	19.7	19.0	18.2	15.7	13.6	16.7	14.6	11.5	-3.1
5.5–6.0 (High)	—	20.8	17.3	23.7	16.9	16.2	14.3	15.4	12.3	17.5	10.5	13.3	+2.8
Race/Ethnicity (2-year average): ^b													
White	—	—	25.7	25.1	24.0	21.8	20.0	19.0	17.4	16.5	16.5	15.8	-0.7
African American	—	—	16.1	15.5	15.9	15.2	14.2	14.8	14.0	10.7	9.6	8.1	-1.5
Hispanic	—	—	29.0	28.6	26.1	23.1	23.0	24.2	22.6	17.7	16.7	16.1	-0.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of four forms; N is one third of N indicated in Table S2. In 2011 Skyy Blue and Zima were deleted from the list of examples.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 112
FLAVORED ALCOHOLIC BEVERAGES:
Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days												2013– 2014 change
	1991– 2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	—	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	31.1	30.5	29.3	29.1	27.4	27.4	24.1	23.1	21.8	21.0	19.9	-1.1
Gender:													
Male	—	28.9	28.3	26.0	25.4	25.8	27.3	22.6	21.8	19.9	20.1	16.8	-3.2
Female	—	33.2	33.2	32.3	32.8	29.0	27.1	25.0	24.6	23.3	22.0	21.9	-0.1
College Plans:													
None or under 4 years	—	34.7	34.2	32.9	37.0	29.0	35.6	26.8	26.2	22.6	25.8	22.8	-2.9
Complete 4 years	—	30.3	29.6	28.7	27.5	26.9	25.9	23.9	22.4	21.5	19.9	19.3	-0.5
Region:													
Northeast	—	33.5	38.1	29.4	36.0	33.5	34.0	31.3	25.7	20.6	23.6	22.6	-1.0
Midwest	—	35.3	33.4	32.2	28.5	25.8	26.7	23.7	23.1	22.4	18.3	24.3	+6.0
South	—	25.9	25.9	27.0	28.8	26.9	27.2	23.3	22.1	19.3	19.9	17.6	-2.3
West	—	32.1	27.9	29.9	24.9	25.8	23.2	20.9	22.9	24.8	23.9	17.6	-6.3 s
Population Density:													
Large MSA	—	27.0	29.9	32.3	30.8	28.7	27.0	26.4	25.3	22.5	23.4	18.7	-4.7
Other MSA	—	33.4	29.9	27.7	27.8	25.8	28.8	23.8	23.8	22.2	20.0	19.9	-0.1
Non-MSA	—	30.9	32.2	28.5	29.5	29.1	24.7	21.8	18.6	19.5	20.1	21.2	+1.1
Parental Education: ^a													
1.0–2.0 (Low)	—	28.5	22.2	30.3	34.0	24.9	26.8	13.8	24.8	19.7	21.8	21.0	-0.8
2.5–3.0	—	31.0	33.3	30.6	32.4	28.3	28.2	27.8	26.1	24.0	24.8	21.5	-3.4
3.5–4.0	—	33.6	31.7	30.9	29.9	28.4	28.7	24.0	25.3	22.9	20.7	22.0	+1.3
4.5–5.0	—	29.4	30.2	28.8	27.6	27.6	24.4	26.1	20.0	21.7	20.0	16.1	-3.8
5.5–6.0 (High)	—	29.8	30.2	26.4	25.3	26.6	28.4	23.4	20.5	19.7	19.1	19.9	+0.8
Race/Ethnicity (2-year average): ^b													
White	—	—	33.3	31.4	30.6	31.1	29.9	27.0	24.6	22.9	22.2	22.1	-0.1
African American	—	—	17.1	20.9	21.6	19.8	19.3	20.0	20.0	17.2	14.2	16.1	+1.9
Hispanic	—	—	28.6	32.2	34.5	26.2	25.2	24.7	25.5	26.8	21.9	16.3	-5.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; *N* is one sixth of *N* indicated in Table S3. In 2011 Skyy Blue and Zima were deleted from the list of examples.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 113
ALCOHOLIC BEVERAGES CONTAINING CAFFEINE:
Trends in Annual Prevalence of Use by Subgroups in Grades 8, 10, and 12

Percentage who used in last 12 months

	8th Graders						10th Graders						12th Graders						
	1991– 2010	2011	2012	2013	2014	2013– 2014 change	1991– 2010	2011	2012	2013	2014	2013– 2014 change	1975– 2010	2011	2012	2013	2014	2013– 2014 change	
Approximate weighted N =	—	16,000	15,100	14,600	14,600		—	14,900	15,000	12,900	13,000		—	14,100	13,700	12,600	12,400		
Total	—	11.8‡	10.9	10.2	9.5	-0.8	—	22.5‡	19.7	16.9	14.3	-2.7 s	—	26.4‡	26.4	23.5	20.0	-3.6 ss	
Gender:																			
Male	—	9.4‡	9.6	8.4	9.2	+0.8	—	20.4‡	19.7	17.0	13.8	-3.3 s	—	26.6‡	28.8	26.9	21.7	-5.2 ss	
Female	—	13.8‡	11.9	11.7	9.6	-2.1	—	24.7‡	19.8	16.7	14.7	-2.0	—	25.9‡	23.7	20.1	18.5	-1.6	
College Plans:																			
None or under 4 years	—	22.3‡	19.1	21.6	22.9	+1.3	—	34.1‡	29.9	26.7	23.9	-2.8	—	29.4‡	28.7	29.7	23.7	-6.1 s	
Complete 4 years	—	11.0‡	10.2	9.4	8.4	-1.1	—	21.2‡	18.7	15.9	13.2	-2.7 ss	—	25.6‡	25.3	22.0	19.1	-2.9 s	
Region:																			
Northeast	—	10.4‡	8.7	11.5	6.7	-4.8 s	—	26.4‡	19.9	18.4	12.2	-6.2 s	—	29.7‡	28.7	23.6	22.5	-1.1	
Midwest	—	10.3‡	8.6	8.7	10.3	+1.6	—	17.4‡	18.5	15.5	13.4	-2.1	—	26.6‡	30.2	23.1	23.0	0.0	
South	—	12.9‡	12.4	11.4	9.0	-2.4	—	22.9‡	19.5	16.6	14.9	-1.7	—	23.8‡	21.9	22.3	17.9	-4.4 s	
West	—	12.5‡	12.3	9.1	11.3	+2.1	—	24.7‡	21.1	17.7	16.0	-1.7	—	27.8‡	26.4	25.6	18.7	-7.0 s	
Population Density:																			
Large MSA	—	9.8‡	10.6	9.6	7.8	-1.8	—	21.7‡	17.4	14.0	13.8	-0.2	—	27.9‡	27.7	25.2	20.3	-4.9	
Other MSA	—	13.4‡	10.9	10.5	9.6	-0.9	—	23.2‡	20.1	18.2	13.4	-4.8 ss	—	27.4‡	27.0	24.2	20.8	-3.4	
Non-MSA	—	11.4‡	11.3	10.5	11.4	+1.0	—	22.1‡	21.8	17.9	17.3	-0.6	—	21.9‡	22.6	19.3	17.6	-1.8	
Parental Education: ^a																			
1.0–2.0 (Low)	—	19.0‡	13.8	13.4	13.8	+0.4	—	33.8‡	23.7	21.7	16.8	-4.9	—	26.5‡	20.3	22.4	21.5	-1.0	
2.5–3.0	—	17.3‡	14.4	11.1	12.6	+1.5	—	25.6‡	23.2	20.9	18.2	-2.7	—	28.1‡	25.9	23.1	19.5	-3.5	
3.5–4.0	—	13.8‡	13.3	13.1	10.9	-2.2	—	25.5‡	22.8	19.7	16.2	-3.5	—	27.0‡	30.3	25.3	20.2	-5.1 s	
4.5–5.0	—	8.3‡	8.9	8.2	7.1	-1.1	—	17.1‡	18.8	13.4	12.8	-0.6	—	24.7‡	26.8	22.8	20.5	-2.3	
5.5–6.0 (High)	—	7.0‡	6.9	8.8	6.5	-2.3	—	17.0‡	12.4	12.7	9.8	-2.9	—	26.3‡	24.2	22.3	20.1	-2.2	
Race/Ethnicity (2-year average): ^b																			
White	—	—	—	9.0	9.6	+0.6	—	—	—	19.3	17.3	-2.0	—	—	—	28.1	24.6	-3.4	
African American	—	—	—	7.3	5.9	-1.5	—	—	—	10.4	7.6	-2.8	—	—	—	11.5	11.6	0.0	
Hispanic	—	—	—	14.5	11.5	-3.0	—	—	—	20.3	16.6	-3.7	—	—	—	23.0	18.9	-4.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

'‡' indicates some change in the question. See relevant footnote for that drug. See relevant figure to assess the impact of the wording changes.

See Tables S1 through S3 for the number of subgroup cases. See appendix B for definition of variables in table. For all grades: In 2012 the question text was changed from "...had an alcoholic beverage containing caffeine (like Four Loko or Joose)" to "...had an alcoholic beverage mixed with an energy drink (like Red Bull)."

The data in 2011 and 2012 are not comparable due to this question change. Data for 8th and 10th graders based on one of four forms; N is one third of N indicated in Tables S1 and S2. Data for 12th graders based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes

and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 114
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	14.3	15.5	16.7	18.6	19.1	21.0	19.4	19.1	17.5	14.6	12.2	10.7	10.2	9.2	9.3	8.7	7.1	6.8	6.5	7.1	6.1	4.9	4.5	4.0	-0.5
Gender:																									
Male	15.5	14.9	17.2	19.3	18.8	20.6	19.1	18.0	16.7	14.3	12.2	11.0	9.6	8.3	8.7	8.1	7.5	6.7	6.7	7.4	6.2	4.6	4.0	3.5	-0.6
Female	13.1	15.9	16.3	17.9	19.0	21.1	19.5	19.8	17.7	14.7	12.0	10.4	10.6	9.9	9.7	8.9	6.4	6.7	6.0	6.8	5.7	4.9	4.7	4.2	-0.5
College Plans:																									
None or under 4 years	29.2	31.9	34.1	36.6	36.5	39.2	40.0	40.1	40.3	34.7	30.0	29.3	27.8	25.6	26.7	23.2	23.9	21.1	19.5	22.8	18.2	17.3	15.0	13.1	-1.8
Complete 4 years	11.8	13.1	14.3	16.1	16.8	18.2	16.9	16.5	14.5	12.2	10.0	8.9	8.3	7.4	7.4	7.1	5.4	5.5	5.3	5.7	5.1	3.9	3.8	3.1	-0.6
Region:																									
Northeast	13.7	14.4	15.0	17.8	18.6	22.1	18.0	15.6	15.7	13.7	11.4	9.1	7.7	7.2	7.8	6.7	3.7	5.9	5.6	6.0	4.4	4.2	3.5	3.4	-0.1
Midwest	15.5	16.5	16.3	18.5	20.9	23.2	20.0	22.3	21.3	17.1	12.0	11.0	12.2	10.8	9.5	9.3	7.8	8.1	7.0	8.6	6.4	3.9	4.4	3.5	-0.9
South	15.7	17.0	18.2	19.5	19.4	21.1	21.0	21.1	18.7	14.7	14.3	13.0	11.7	10.3	11.6	10.9	8.6	7.7	7.7	8.5	6.8	6.9	5.8	4.6	-1.2
West	10.0	12.2	16.4	18.0	16.5	17.1	17.1	15.1	12.1	12.2	9.3	7.5	7.0	7.4	6.3	5.7	5.8	5.2	4.6	4.0	6.1	3.0	3.0	3.9	+0.9
Population Density:																									
Large MSA	12.8	15.0	14.1	15.5	16.5	19.4	15.8	16.4	12.7	12.1	9.3	7.5	7.7	7.7	6.7	6.4	4.7	5.2	4.2	4.8	4.0	3.6	2.5	2.8	+0.3
Other MSA	14.9	15.3	17.8	20.7	19.4	21.4	19.7	17.7	16.0	13.1	11.6	10.6	9.8	8.9	9.8	8.8	7.6	7.5	6.9	7.6	7.0	5.1	4.3	3.7	-0.7
Non-MSA	14.8	16.4	17.9	17.8	21.5	22.1	22.8	24.8	26.1	21.1	16.9	14.9	14.4	11.6	11.8	11.6	9.5	7.9	8.5	9.2	7.7	6.9	8.0	6.6	-1.4
Parental Education: ^a																									
1.0–2.0 (Low)	26.2	24.1	23.3	26.1	25.3	26.5	26.9	26.7	26.6	22.0	20.3	20.3	17.5	15.8	16.6	14.7	13.8	12.1	10.5	11.4	9.2	7.6	6.3	5.8	-0.6
2.5–3.0	16.4	16.9	19.8	20.6	22.7	24.4	22.4	23.9	23.5	19.6	16.4	14.5	14.8	12.2	13.4	12.5	10.2	8.7	8.8	10.2	9.8	7.4	6.5	6.2	-0.3
3.5–4.0	13.9	14.9	17.4	20.1	20.8	21.4	20.9	21.4	17.0	14.7	12.6	10.5	9.6	9.6	10.5	8.8	7.8	7.3	7.1	8.0	6.3	5.7	5.6	4.8	-0.8
4.5–5.0	10.1	13.3	12.5	14.9	14.9	18.4	16.2	14.2	12.3	10.2	8.3	7.8	6.7	6.7	5.9	5.5	3.9	4.7	4.4	4.9	3.9	3.0	2.4	2.6	+0.2
5.5–6.0 (High)	11.3	11.5	13.3	15.1	14.5	17.3	15.3	13.8	12.2	9.8	6.9	5.8	6.0	5.2	4.3	4.8	2.4	4.1	3.5	2.9	3.1	2.6	2.9	1.7	-1.2
Race/Ethnicity (2-year average): ^b																									
White	—	16.2	17.8	18.9	20.7	22.7	22.8	21.5	20.1	17.7	14.7	12.0	10.9	10.0	9.4	9.3	8.1	7.2	7.3	7.6	7.2	5.8	4.7	4.4	-0.2
African American	—	5.3	6.6	8.7	8.9	9.6	10.9	10.6	10.7	9.6	8.2	7.7	6.9	6.9	7.1	6.0	5.1	4.6	4.4	4.3	4.1	4.0	3.5	2.6	-1.0
Hispanic	—	16.7	18.3	21.3	21.6	19.6	19.1	20.1	20.5	16.6	13.0	12.8	11.9	10.1	9.0	8.8	8.0	7.0	6.5	6.7	6.9	5.5	4.0	3.5	-0.5

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 116
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	36.7	38.8	38.4	36.7	34.4	30.5	29.4	30.0	30.3	29.3	30.1	29.6	29.4	28.7	28.6	29.4	28.3	27.8	29.9	31.2
Gender:																				
Male	37.2	37.7	36.6	34.5	31.2	26.8	26.5	26.8	28.0	25.9	28.2	27.9	27.0	28.0	27.7	29.1	29.0	29.2	30.7	32.9
Female	35.9	39.1	39.6	38.1	37.1	33.4	31.6	32.6	31.6	31.9	31.4	30.6	31.4	28.9	29.0	29.2	27.5	26.1	28.7	29.2
College Plans:																				
None or under 4 years	—	46.3	46.2	44.6	43.0	39.6	38.1	38.7	38.0	37.9	40.5	38.5	39.7	37.5	38.0	37.5	38.1	38.6	37.3	40.9
Complete 4 years	—	29.8	29.4	27.4	26.0	22.3	22.3	22.1	23.3	22.7	22.8	24.0	24.3	24.4	24.1	25.4	24.2	23.8	27.3	28.0
Region:																				
Northeast	40.1	41.8	43.0	40.6	37.0	34.1	31.5	32.1	34.6	33.5	34.2	35.2	34.1	31.2	29.4	31.9	30.5	29.6	34.2	33.2
Midwest	39.5	41.3	40.5	39.0	36.6	31.5	32.4	33.5	33.2	31.4	34.1	32.5	31.7	31.1	34.9	34.0	34.6	31.7	33.2	36.2
South	36.2	39.1	37.6	35.7	35.4	31.8	28.9	29.4	28.7	28.6	25.6	26.1	26.0	28.0	26.4	26.1	25.4	26.4	29.0	30.7
West	26.3	28.3	27.7	27.3	24.8	21.2	21.8	20.4	21.8	22.9	26.3	23.3	26.6	23.9	22.7	25.1	23.2	22.8	22.9	24.0
Population Density:																				
Large MSA	39.7	40.4	40.9	37.5	33.4	31.2	30.6	32.1	30.8	31.3	31.9	30.8	29.3	26.9	25.9	27.9	26.2	25.6	29.5	29.0
Other MSA	35.1	35.9	36.1	34.3	33.5	29.7	27.4	27.8	29.1	28.2	28.5	28.0	28.2	28.3	28.2	29.6	29.3	26.9	29.8	31.1
Non-MSA	36.7	40.9	39.2	39.4	36.4	30.9	30.9	31.2	31.5	29.3	30.8	31.0	31.8	31.4	32.2	30.4	28.6	31.5	30.3	33.8
Parental Education: ^a																				
1.0–2.0 (Low)	37.2	43.2	39.6	38.1	38.1	32.7	32.5	32.6	32.7	33.6	32.3	28.6	28.8	28.1	25.4	26.3	31.3	27.1	26.5	26.2
2.5–3.0	37.0	41.2	40.8	39.3	35.9	34.2	31.7	32.0	32.2	31.8	32.3	32.3	31.4	29.9	30.8	30.8	28.7	30.3	30.4	32.8
3.5–4.0	31.9	35.3	37.3	34.0	33.3	28.0	28.2	29.0	28.0	28.1	29.7	29.7	28.8	27.8	29.4	29.3	28.4	27.8	29.9	31.4
4.5–5.0	32.3	35.0	33.0	32.6	30.1	25.7	26.0	25.5	27.8	25.2	27.7	26.4	27.6	28.6	27.0	29.1	26.9	25.8	30.1	32.0
5.5–6.0 (High)	26.8	30.8	32.8	31.9	29.6	24.0	22.5	25.1	25.5	23.7	22.6	26.7	29.3	27.8	26.3	28.6	27.1	25.5	30.5	30.4
Race/Ethnicity (2-year average): ^b																				
White	—	—	38.3	37.6	36.0	33.0	30.5	30.7	31.3	31.2	31.3	31.9	32.1	32.2	32.2	32.3	32.2	31.8	33.2	35.2
African American	—	—	36.7	32.7	30.2	26.8	23.7	21.8	21.2	19.3	18.1	16.9	14.2	13.3	12.6	12.2	10.6	8.7	9.5	10.9
Hispanic	—	—	35.7	32.8	26.8	22.6	23.2	24.7	24.7	25.3	25.5	23.7	22.7	21.9	20.6	21.7	24.0	25.0	24.2	23.6

→
(Years cont.)

(Table continued on next page.)

TABLE 116 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			2013– 2014 change		
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400		
Total	33.5	34.0	36.5	35.1	34.6	31.4	29.5	26.7	24.4	25.0	23.2	21.6	21.6	20.4	20.1	19.2	18.7	17.1	16.3	13.6	-2.7 ss	
Gender:																						
Male	34.5	34.9	37.3	36.3	35.4	32.8	29.7	27.4	26.2	25.3	24.8	22.4	23.1	21.5	22.1	21.9	21.5	19.3	18.4	15.2	-3.2 ss	
Female	32.0	32.4	35.2	33.3	33.5	29.7	28.7	25.5	22.1	24.1	20.7	20.1	19.6	19.1	17.6	15.7	15.1	14.5	13.2	11.6	-1.5	
College Plans:																						
None or under 4 years	43.5	45.0	45.7	46.7	44.9	43.6	40.8	37.5	36.2	36.8	34.8	32.9	32.4	32.4	31.2	31.2	32.2	27.9	28.9	25.3	-3.6	
Complete 4 years	29.9	30.8	33.1	31.3	31.4	27.3	25.9	23.6	20.8	21.6	20.0	18.6	19.0	17.6	17.3	16.3	15.6	14.7	13.0	10.8	-2.2 ss	
Region:																						
Northeast	34.4	38.5	40.6	35.9	34.2	33.1	30.3	27.3	25.0	25.9	22.0	23.1	23.8	19.7	18.9	18.2	17.8	18.8	17.0	11.7	-5.3 ss	
Midwest	37.8	37.7	39.3	40.0	37.8	35.6	35.9	31.7	27.3	28.3	26.8	23.6	24.7	22.1	25.7	21.5	21.8	21.0	16.5	13.8	-2.7	
South	33.5	33.2	35.0	34.3	36.2	29.6	25.9	27.2	24.3	24.6	24.6	23.2	21.9	22.4	20.0	20.5	18.4	15.6	18.6	15.4	-3.2 s	
West	26.5	24.4	30.5	29.1	27.6	28.1	25.2	19.4	20.7	20.1	17.5	15.0	15.8	15.8	14.7	15.3	16.4	13.9	12.1	11.9	-0.2	
Population Density:																						
Large MSA	33.9	32.1	34.9	32.9	30.0	27.4	27.3	24.8	18.9	20.8	20.8	20.7	19.9	18.8	17.7	18.7	17.2	15.8	14.5	11.7	-2.7	
Other MSA	31.7	32.6	35.7	34.2	35.0	31.5	28.2	26.2	25.1	26.3	22.6	20.3	20.8	19.5	19.1	17.9	18.1	15.6	15.5	12.9	-2.5 s	
Non-MSA	36.2	38.2	40.0	39.7	38.7	36.3	34.3	30.1	30.4	27.6	27.4	25.3	25.9	24.3	25.5	23.1	22.3	23.1	20.9	17.8	-3.1	
Parental Education: ^a																						
1.0–2.0 (Low)	31.2	31.5	31.2	32.3	33.0	31.3	24.8	20.9	23.5	21.0	19.1	21.1	20.5	18.5	19.9	17.0	18.2	17.0	18.2	14.8	-3.4	
2.5–3.0	35.0	35.5	36.5	36.0	37.3	32.2	31.5	28.9	27.0	28.7	27.3	24.7	24.7	22.4	23.2	21.6	22.4	19.0	18.2	16.1	-2.1	
3.5–4.0	33.2	33.2	35.6	36.7	35.0	32.8	30.3	28.6	24.3	26.3	24.8	22.9	21.6	21.3	21.0	20.9	19.6	20.1	18.5	14.2	-4.3 sss	
4.5–5.0	32.6	34.5	37.5	34.2	32.4	30.2	29.3	25.0	22.6	23.8	21.8	19.2	20.5	18.6	18.0	17.5	15.9	15.7	14.1	12.0	-2.2	
5.5–6.0 (High)	34.0	32.9	38.5	33.1	34.4	27.4	25.0	25.3	21.0	19.9	18.0	17.4	18.4	19.2	15.3	12.8	14.3	11.2	9.5	9.4	0.0	
Race/Ethnicity (2-year average): ^b																						
White	36.6	38.1	40.7	41.7	40.1	37.9	35.3	32.5	29.4	28.2	27.6	25.9	24.9	24.7	23.9	22.9	22.2	21.2	19.4	17.5	-1.8	
African American	12.9	14.2	14.3	14.9	14.9	14.3	13.3	12.1	10.0	10.1	10.7	10.5	10.8	10.3	9.8	10.1	9.7	8.6	9.6	9.0	-0.5	
Hispanic	25.1	25.4	25.9	26.6	27.3	27.7	23.8	21.3	19.0	18.5	17.1	16.0	15.3	15.0	15.7	15.0	14.3	13.2	12.4	11.4	-1.0	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 117
CIGARETTES: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

	Percentage who used daily in last 30 days																								2013– 2014 change	
<i>Approximate weighted N =</i>	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Total	7.2	7.0	8.3	8.8	9.3	10.4	9.0	8.8	8.1	7.4	5.5	5.1	4.5	4.4	4.0	4.0	3.0	3.1	2.7	2.9	2.4	1.9	1.8	1.4	-0.4	
Gender:																										
Male	8.1	6.9	8.8	9.5	9.2	10.5	9.0	8.1	7.4	7.0	5.9	5.4	4.4	4.3	3.9	4.0	3.4	3.2	2.9	3.5	2.5	2.0	1.7	1.2	-0.5	
Female	6.2	7.2	7.8	8.0	9.2	10.1	8.7	9.0	8.4	7.5	4.9	4.9	4.5	4.3	4.0	3.8	2.6	2.9	2.3	2.3	2.2	1.6	1.8	1.3	-0.5	
College Plans:																										
None or under 4 years	18.5	20.1	21.5	22.6	22.5	26.0	25.4	25.2	25.2	21.7	17.7	17.1	16.1	15.4	14.4	13.2	12.3	10.8	10.9	12.8	8.1	8.0	8.3	4.7	-3.6 s	
Complete 4 years	5.3	5.1	6.4	6.8	7.5	8.0	6.9	6.6	5.9	5.6	3.9	3.9	3.2	3.1	2.9	2.9	2.2	2.3	1.9	2.0	1.9	1.4	1.4	1.0	-0.4	
Region:																										
Northeast	7.2	7.1	7.1	8.6	9.2	11.0	8.8	6.1	7.2	6.9	6.1	3.7	2.9	3.3	3.2	3.0	1.7	2.4	2.1	2.4	1.4	1.8	1.3	1.2	-0.1	
Midwest	7.8	7.6	8.5	9.4	11.0	12.4	10.3	11.2	11.5	9.0	6.4	5.7	5.5	5.7	4.8	4.7	3.8	3.9	3.0	3.3	2.3	1.3	1.5	0.9	-0.6	
South	7.9	7.8	9.3	9.4	9.4	10.4	9.5	10.2	8.5	7.8	6.1	6.6	5.7	4.7	5.0	5.3	3.8	3.7	3.2	3.8	2.9	2.9	2.6	1.9	-0.7	
West	4.6	4.8	7.4	7.4	7.0	7.5	6.8	5.8	3.8	4.9	2.6	2.9	2.4	3.3	2.4	1.8	1.9	2.0	2.0	1.4	2.3	0.8	1.2	1.1	-0.1	
Population Density:																										
Large MSA	6.3	6.3	5.7	6.6	7.6	9.5	7.0	6.7	5.4	5.6	4.1	3.2	3.0	3.5	2.3	2.3	1.6	2.2	1.6	1.7	1.2	1.4	0.8	1.1	+0.3	
Other MSA	7.7	7.2	9.1	9.5	9.3	10.2	8.7	7.9	7.4	6.3	5.4	5.1	4.3	4.1	4.1	4.1	3.1	3.3	3.0	3.1	3.2	2.0	1.8	1.3	-0.6	
Non-MSA	7.3	7.8	10.1	9.6	11.1	11.8	11.7	12.7	12.7	11.8	7.2	7.6	7.0	5.9	6.2	6.3	5.0	4.2	3.7	4.3	2.7	2.8	3.4	2.1	-1.3	
Parental Education: ^a																										
1.0–2.0 (Low)	15.9	11.9	12.7	13.0	15.8	13.6	14.3	13.0	14.7	13.1	11.1	10.6	9.1	10.1	7.8	7.3	5.5	5.4	6.2	4.2	3.9	2.6	2.7	2.6	-0.1	
2.5–3.0	8.6	8.4	9.7	11.3	11.3	14.0	11.7	12.0	11.4	11.3	7.5	7.1	6.6	5.6	6.3	6.6	4.9	4.4	3.4	4.8	3.9	3.3	3.0	1.9	-1.1	
3.5–4.0	6.5	6.9	8.5	8.9	9.4	10.1	9.2	9.7	8.1	6.7	5.1	5.4	4.4	4.2	4.3	3.8	3.6	3.0	2.5	2.8	2.9	2.2	2.0	1.6	-0.4	
4.5–5.0	4.0	5.2	5.9	6.1	7.2	7.6	6.8	5.7	4.6	3.9	3.0	3.3	2.6	2.8	2.2	2.1	1.5	1.9	1.8	1.9	1.4	0.9	1.0	0.8	-0.3	
5.5–6.0 (High)	4.9	4.2	6.3	5.8	5.7	7.4	5.5	5.2	5.1	4.1	3.1	2.1	2.1	1.9	1.4	1.8	0.7	1.9	1.4	1.0	0.9	1.0	1.0	0.5	-0.5	
Race/Ethnicity (2-year average) ^b																										
White	—	7.7	8.8	9.7	10.5	11.7	11.4	10.4	9.7	9.0	7.5	6.0	5.3	4.7	4.6	4.6	3.9	3.3	3.2	3.2	3.0	2.4	2.0	1.7	-0.3	
African American	—	1.4	1.8	2.6	2.8	3.2	3.7	3.8	3.8	3.2	2.8	2.8	2.9	2.7	2.1	1.9	2.1	1.9	2.0	1.9	1.5	1.6	1.5	1.2	-0.3	
Hispanic	—	7.3	7.2	9.0	9.2	8.0	8.1	8.4	8.5	7.1	5.0	4.4	3.7	3.5	3.1	2.8	2.8	2.5	2.2	2.3	2.4	1.8	1.4	1.3	-0.1	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 118
CIGARETTES: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 10

	Percentage who used daily in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	12.6	12.3	14.2	14.6	16.3	18.3	18.0	15.8	15.9	14.0	12.2	10.1	8.9	8.3	7.5	7.6	7.2	5.9	6.3	6.6	5.5	5.0	4.4	3.2	-1.3 ss
Gender:																									
Male	12.4	12.1	13.8	15.2	16.3	18.1	17.2	14.7	15.6	13.7	12.4	9.4	8.6	8.2	7.2	6.9	7.7	6.2	6.9	7.2	6.4	5.6	5.4	3.5	-1.9 sss
Female	12.5	12.4	14.3	13.7	16.1	18.6	18.5	16.8	15.9	14.1	11.9	10.8	9.0	8.2	7.7	8.1	6.6	5.5	5.6	5.9	4.5	4.4	3.4	2.8	-0.5
College Plans:																									
None or under 4 years	25.7	25.5	28.9	28.9	32.7	34.3	35.4	31.7	32.1	28.8	27.3	22.9	22.1	21.4	19.2	21.7	18.9	17.9	17.3	19.1	17.1	17.0	13.4	10.5	-2.9
Complete 4 years	9.6	9.5	11.0	11.5	13.3	15.5	15.0	12.9	13.2	11.6	9.6	7.9	6.7	6.4	5.9	5.6	5.6	4.3	5.0	5.0	4.2	3.7	3.4	2.3	-1.0 ss
Region:																									
Northeast	14.3	13.1	16.3	14.1	15.8	18.8	18.0	18.7	17.7	14.1	11.0	8.3	8.6	8.5	7.6	6.2	6.8	5.3	5.3	5.7	6.3	5.1	3.6	2.8	-0.8
Midwest	14.3	14.3	15.1	16.9	17.6	20.6	19.5	17.3	19.6	16.3	13.2	11.5	10.2	7.4	8.6	10.3	10.0	7.6	5.8	7.3	5.7	4.4	4.9	3.9	-1.0
South	12.8	11.4	13.9	15.5	19.3	20.5	20.5	17.1	16.3	15.7	14.3	11.3	10.1	11.0	8.8	8.4	7.2	6.9	8.5	7.9	6.6	6.9	5.7	3.4	-2.3 s
West	9.1	10.7	10.9	9.7	9.4	10.7	11.1	8.8	9.1	7.8	7.0	7.8	6.0	5.2	4.0	4.2	4.7	3.4	4.3	4.4	3.0	2.6	3.1	2.4	-0.7
Population Density:																									
Large MSA	12.3	11.7	12.3	12.0	12.6	15.3	15.7	12.2	13.2	13.8	9.6	7.4	6.1	5.6	5.5	5.4	5.7	4.3	5.2	4.8	4.3	3.6	2.3	2.5	+0.2
Other MSA	11.7	11.6	13.6	15.5	17.5	18.8	16.9	15.1	15.5	12.1	11.6	10.4	8.7	8.1	7.0	6.7	7.2	6.2	6.0	6.3	5.3	4.7	4.8	2.6	-2.2 ss
Non-MSA	14.3	14.5	16.9	15.5	18.4	20.8	22.5	21.1	19.7	17.5	16.3	13.1	13.7	12.3	11.4	13.2	9.6	7.5	8.5	9.7	7.6	7.4	6.8	5.7	-1.0
Parental Education: ^a																									
1.0–2.0 (Low)	16.0	17.8	19.3	15.5	20.0	19.3	17.7	17.4	20.1	18.9	12.9	14.1	15.3	11.4	9.9	12.5	9.8	7.6	9.4	10.0	8.2	8.0	6.8	4.6	-2.3
2.5–3.0	15.5	13.9	16.9	17.6	21.6	23.1	22.1	21.3	19.1	17.6	16.2	14.7	12.7	11.5	11.1	11.9	10.8	8.7	8.7	10.1	8.9	7.5	7.2	4.7	-2.5 s
3.5–4.0	12.0	11.8	13.6	15.9	17.0	19.4	18.9	14.9	16.6	14.2	12.2	10.0	8.8	9.3	7.9	7.8	7.2	6.7	6.7	7.1	5.6	4.5	4.7	3.9	-0.8
4.5–5.0	10.6	10.5	10.7	11.5	12.6	14.8	15.6	12.9	13.0	11.5	9.7	6.8	5.8	5.4	5.2	4.4	5.5	3.8	4.6	3.9	3.3	4.3	2.8	1.8	-1.0
5.5–6.0 (High)	9.6	9.0	10.5	9.6	10.3	13.6	12.0	11.1	11.2	9.8	8.3	6.4	4.5	4.2	4.4	4.3	3.5	3.0	3.5	3.1	2.5	2.8	1.9	1.6	-0.3
Race/Ethnicity (2-year average): ^b																									
White	—	14.5	15.3	16.5	17.6	20.0	21.4	20.3	19.1	17.7	15.5	13.3	11.4	10.0	9.1	8.7	8.8	8.0	7.1	7.4	7.1	6.2	5.7	4.8	-1.0
African American	—	2.8	3.1	3.8	4.7	5.1	5.6	5.8	5.3	5.2	5.2	5.0	4.3	4.4	3.9	3.3	3.2	3.0	3.2	3.5	3.5	2.9	2.6	2.3	-0.3
Hispanic	—	8.4	8.9	8.1	9.9	11.6	10.8	9.4	9.1	8.8	7.4	6.4	6.0	6.0	5.9	5.3	3.8	3.8	4.5	4.4	3.8	3.0	2.6	2.3	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 119
CIGARETTES: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	26.9	28.8	28.8	27.5	25.4	21.3	20.3	21.1	21.2	18.7	19.5	18.7	18.7	18.1	18.9	19.1	18.5	17.2	19.0	19.4
Gender:																				
Male	26.9	28.0	27.1	26.0	22.3	18.5	18.1	18.2	19.2	16.0	17.8	16.9	16.4	17.4	17.9	18.6	18.8	17.2	19.4	20.4
Female	26.4	28.8	30.0	28.3	27.8	23.5	21.7	23.2	22.2	20.5	20.6	19.8	20.6	18.1	19.4	19.3	17.9	16.7	18.2	18.1
College Plans:																				
None or under 4 years	—	36.5	37.2	35.2	33.8	29.7	29.3	29.5	29.3	27.2	29.6	28.2	29.0	27.4	27.9	28.3	28.4	28.1	27.8	29.8
Complete 4 years	—	19.8	19.3	18.3	17.0	13.8	12.9	13.2	13.8	11.9	12.4	12.8	13.3	13.4	14.6	14.7	14.1	12.9	15.9	15.7
Region:																				
Northeast	31.4	32.3	33.8	32.5	28.6	24.1	23.3	23.4	26.1	23.6	24.9	24.9	24.8	21.4	21.3	22.8	20.9	19.4	23.5	21.3
Midwest	28.6	30.2	29.4	28.6	27.0	22.0	23.0	24.0	23.4	20.4	22.4	19.9	20.3	19.0	23.0	22.2	23.0	19.0	21.3	23.8
South	26.2	29.1	28.7	26.4	25.8	22.6	19.1	20.2	19.4	17.7	16.0	15.8	15.7	17.7	17.1	16.5	16.4	16.7	18.5	19.3
West	17.3	19.4	19.2	19.1	17.0	14.0	13.1	12.7	13.0	12.4	14.2	13.4	14.9	14.0	13.8	14.8	13.9	13.3	13.0	12.4
Population Density:																				
Large MSA	30.8	30.4	30.9	29.2	24.5	21.6	21.9	23.5	22.1	21.5	21.9	20.6	20.3	18.0	16.7	19.0	16.7	16.6	17.3	17.7
Other MSA	25.6	27.1	27.2	25.7	25.0	21.3	19.0	19.3	20.2	17.4	17.7	17.0	17.6	17.7	19.0	19.0	19.0	15.9	19.7	19.2
Non-MSA	25.8	29.5	29.1	28.7	26.5	21.2	20.7	21.3	21.7	18.2	19.9	19.8	19.3	18.8	20.9	19.5	19.0	20.3	19.2	21.6
Parental Education: ^a																				
1.0–2.0 (Low)	27.2	32.7	29.6	28.6	29.1	23.7	24.1	24.6	24.0	23.2	22.7	20.4	19.7	19.2	17.1	16.7	21.2	16.5	17.6	16.9
2.5–3.0	27.2	31.3	31.5	30.3	26.5	24.7	22.5	23.1	23.2	21.5	21.8	21.4	21.1	19.6	21.5	21.0	19.8	20.4	20.2	22.4
3.5–4.0	22.1	25.8	28.1	24.8	24.5	19.4	19.0	19.7	18.8	16.4	19.3	19.4	17.8	17.5	19.0	19.3	18.5	16.9	18.9	18.9
4.5–5.0	22.9	24.5	23.7	23.2	21.2	16.6	16.1	16.8	17.5	14.1	16.0	13.9	16.5	16.5	17.2	18.3	16.2	15.0	18.9	18.7
5.5–6.0 (High)	17.4	22.8	21.7	22.8	20.6	15.0	13.9	14.5	17.2	14.1	11.2	13.6	16.6	15.1	15.8	16.5	16.1	12.8	16.6	17.3
Race/Ethnicity (2-year average): ^b																				
White	—	—	28.9	28.3	26.9	23.9	21.4	21.6	22.1	21.0	20.4	20.6	20.5	20.6	21.1	21.8	21.5	20.5	21.4	22.9
African American	—	—	24.9	22.7	20.9	17.4	14.6	13.1	12.5	10.7	9.9	9.4	7.9	7.3	6.4	5.8	5.1	4.2	4.1	4.9
Hispanic	—	—	22.6	20.4	15.8	12.8	13.6	14.3	14.9	13.9	11.8	11.3	11.0	10.9	10.8	10.9	11.5	12.5	11.8	10.6

→
(Years cont.)

(Table continued on next page.)

TABLE 119 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	21.6	22.2	24.6	22.4	23.1	20.6	19.0	16.9	15.8	15.6	13.6	12.2	12.3	11.4	11.2	10.7	10.3	9.3	8.5	6.7	-1.7 ss
Gender:																					
Male	21.7	22.2	24.8	22.7	23.6	20.9	18.4	17.2	17.0	15.4	14.6	12.0	13.0	12.0	11.8	12.3	11.6	10.9	9.7	7.9	-1.8 s
Female	20.8	21.8	23.6	21.5	22.2	19.7	18.9	16.1	14.0	15.0	11.9	11.8	11.2	10.6	9.9	8.7	8.6	7.3	6.5	5.4	-1.1
College Plans:																					
None or under 4 years	33.7	33.2	35.6	34.6	34.2	31.7	30.1	27.6	27.9	26.9	24.9	22.8	22.5	21.1	20.9	21.6	21.0	18.4	18.8	14.0	-4.7 ss
Complete 4 years	17.4	18.9	20.6	18.4	19.5	16.6	15.5	13.8	12.1	12.2	10.5	9.4	9.9	9.0	8.6	8.2	7.9	7.0	5.8	5.0	-0.8
Region:																					
Northeast	22.5	27.0	29.4	23.4	23.2	22.8	21.9	18.4	16.4	16.2	13.3	14.3	14.3	11.3	10.8	10.3	10.2	11.3	9.8	6.8	-3.0
Midwest	25.7	26.1	28.0	27.8	25.9	23.6	25.2	22.5	18.2	18.5	16.3	13.2	14.5	12.9	15.4	12.5	11.7	11.6	8.4	6.6	-1.9
South	21.7	20.5	22.6	21.8	24.2	19.4	15.5	16.6	16.3	15.8	15.4	13.3	12.9	13.1	11.4	12.3	10.8	9.0	10.5	8.2	-2.3
West	14.5	13.8	17.5	15.5	17.3	16.9	13.4	9.5	11.8	10.1	7.6	7.0	7.4	7.0	5.9	6.7	7.9	5.8	4.6	4.5	-0.1
Population Density:																					
Large MSA	21.3	20.7	23.7	20.6	18.6	16.7	17.4	15.0	11.5	12.6	11.4	10.3	10.3	8.9	8.6	9.9	9.2	8.3	7.2	5.4	-1.8
Other MSA	19.9	21.9	23.9	21.2	22.8	21.1	17.5	16.7	15.9	16.1	12.7	11.5	11.7	11.2	11.0	9.9	9.5	8.2	7.9	6.3	-1.6
Non-MSA	24.8	24.1	26.8	27.2	28.5	24.5	23.9	19.8	21.4	18.0	18.2	16.2	16.6	14.8	15.1	14.0	13.7	13.5	11.8	9.6	-2.2
Parental Education: ^a																					
1.0–2.0 (Low)	21.3	21.1	21.9	21.7	23.8	22.8	16.4	12.4	15.1	14.2	11.7	11.4	14.6	11.9	11.2	8.9	9.9	9.6	10.2	6.9	-3.3 s
2.5–3.0	24.6	24.4	26.0	24.7	26.9	22.9	21.9	19.8	18.3	19.4	18.3	16.1	15.1	13.4	14.7	13.9	13.5	11.6	10.4	8.9	-1.5
3.5–4.0	21.6	21.2	23.8	23.8	23.6	21.2	19.9	19.1	16.5	16.3	14.4	12.3	12.3	12.5	11.5	11.6	10.7	11.2	10.0	6.7	-3.2 sss
4.5–5.0	19.7	22.4	24.9	20.6	20.6	18.6	17.9	14.1	13.0	13.7	11.7	10.4	11.2	9.0	9.0	8.7	8.2	7.1	6.4	5.8	-0.6
5.5–6.0 (High)	18.5	20.0	22.9	17.4	19.0	15.2	13.4	14.3	11.3	10.3	8.1	8.3	7.4	9.1	5.8	6.1	6.7	4.7	3.6	4.7	+1.1
Race/Ethnicity (2-year average): ^b																					
White	23.9	25.4	27.8	28.3	26.9	25.7	23.8	21.8	19.5	18.3	17.1	15.3	14.5	14.3	13.9	13.5	13.0	12.1	10.9	9.3	-1.6
African American	6.1	7.0	7.2	7.4	7.7	8.0	7.5	6.4	5.4	5.2	5.6	5.7	5.8	5.8	5.4	5.3	4.9	4.7	5.3	5.1	-0.2
Hispanic	11.6	12.9	14.0	13.6	14.0	15.7	12.0	9.2	8.0	8.2	7.7	7.0	6.6	6.7	6.4	5.7	5.3	4.9	4.7	4.1	-0.6

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 120
CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More by Subgroups in Grade 8

	Percentage who used half pack a day or more in last 30 days																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	3.1	2.9	3.5	3.6	3.4	4.3	3.5	3.6	3.3	2.8	2.3	2.1	1.8	1.7	1.7	1.5	1.1	1.2	1.0	0.9	0.7	0.6	0.7	0.5	-0.2
Gender:																									
Male	3.7	3.1	4.3	4.2	3.7	4.7	3.7	3.5	3.1	2.8	2.6	2.4	1.8	1.7	2.0	1.7	1.3	1.4	1.2	1.1	0.7	0.8	0.9	0.5	-0.3
Female	2.4	2.7	2.7	2.9	3.2	3.7	3.1	3.3	3.3	2.6	2.0	1.9	1.7	1.7	1.3	1.3	0.8	0.9	0.7	0.7	0.6	0.3	0.5	0.4	-0.2
College Plans:																									
None or under 4 years	10.1	10.8	11.9	11.7	11.4	13.5	11.6	13.8	13.4	10.3	9.8	8.4	7.5	7.4	7.7	5.8	4.7	4.7	4.7	4.6	3.0	3.0	4.0	1.8	-2.2 s
Complete 4 years	1.9	1.7	2.2	2.4	2.3	2.8	2.4	2.2	2.0	1.8	1.4	1.5	1.2	1.1	1.0	1.1	0.7	0.8	0.6	0.5	0.5	0.4	0.5	0.3	-0.2
Region:																									
Northeast	3.3	2.8	2.7	3.7	3.7	4.1	3.7	2.1	3.1	3.3	2.6	1.7	1.0	1.4	1.4	1.2	0.8	0.9	0.8	0.6	0.2	0.7	0.4	0.4	0.0
Midwest	3.3	3.2	3.5	3.9	4.4	5.3	4.1	4.6	5.7	3.4	3.1	2.7	2.1	2.3	2.2	1.9	1.2	1.6	1.1	1.0	0.8	0.5	0.5	0.3	-0.2
South	3.4	3.3	4.6	3.9	3.6	4.5	3.7	4.8	2.9	2.8	2.7	2.5	2.6	1.8	1.9	2.1	1.3	1.3	1.1	1.2	0.8	0.8	1.1	0.8	-0.3
West	1.9	2.0	2.2	2.6	1.8	2.7	2.2	1.6	1.2	1.3	0.7	0.9	0.8	1.2	0.9	0.6	0.9	0.6	0.7	0.5	1.0	0.3	0.6	0.3	-0.4
Population Density:																									
Large MSA	2.4	2.3	2.1	3.0	2.5	3.7	2.7	2.3	1.8	2.1	1.5	1.3	1.0	1.3	1.0	0.9	0.7	0.7	0.5	0.4	0.3	0.4	0.5	0.3	-0.2
Other MSA	3.3	3.2	3.7	3.9	3.6	3.8	3.2	3.2	2.8	2.2	2.1	2.2	1.7	1.6	1.5	1.6	1.1	1.3	1.1	0.9	1.0	0.6	0.7	0.5	-0.2
Non-MSA	3.4	3.3	5.0	3.7	4.3	5.8	4.8	5.6	5.9	4.6	3.9	3.1	3.1	2.4	2.9	2.3	1.7	1.6	1.3	1.4	0.8	0.8	1.3	0.9	-0.4
Parental Education: ^a																									
1.0–2.0 (Low)	7.9	6.5	6.4	5.1	8.2	6.5	6.4	6.2	6.2	7.1	5.2	4.6	3.7	5.6	2.9	3.6	1.9	2.5	2.6	0.9	1.2	0.7	1.0	1.2	+0.2
2.5–3.0	3.7	3.4	3.9	4.9	4.1	6.4	4.8	5.2	4.8	3.8	3.6	2.8	2.9	2.1	2.8	2.4	2.0	1.5	1.2	1.7	1.0	1.0	0.9	0.6	-0.4
3.5–4.0	2.5	2.6	3.6	3.4	3.6	3.2	3.5	3.7	3.4	2.3	2.0	2.2	1.8	1.5	1.9	1.3	1.3	1.0	0.8	0.9	0.8	0.7	0.7	0.6	-0.1
4.5–5.0	1.6	1.8	2.3	2.6	2.0	2.8	2.2	2.0	1.5	1.4	0.9	1.2	0.7	0.8	0.6	1.0	0.5	0.7	0.4	0.7	0.4	0.1	0.3	0.2	-0.1
5.5–6.0 (High)	1.8	1.5	2.2	2.2	1.5	2.7	1.8	2.1	1.8	1.5	1.4	1.1	0.9	0.6	0.5	0.6	0.2	0.9	0.7	0.2	0.2	0.4	0.7	0.1	-0.6 s
Race/Ethnicity (2-year average): ^b																									
White	—	3.3	3.8	4.2	4.2	4.6	4.6	4.2	4.0	3.6	3.2	2.8	2.3	1.9	1.9	1.9	1.5	1.2	1.2	1.1	0.9	0.7	0.7	0.6	-0.1
African American	—	0.4	0.7	1.0	0.9	1.3	1.4	1.2	1.3	1.0	1.1	1.1	1.2	1.1	0.9	0.8	0.9	0.8	0.8	0.6	0.4	0.4	0.6	0.6	0.0
Hispanic	—	2.7	2.5	3.1	3.3	2.7	2.4	2.8	3.0	2.3	1.4	1.3	1.5	1.4	1.1	0.7	0.9	0.9	0.7	0.7	0.7	0.5	0.5	0.5	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 121
CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More
by Subgroups in Grade 10

	Percentage who used half pack a day or more in last 30 days																							2013– 2014 change		
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000		
Total	6.5	6.0	7.0	7.6	8.3	9.4	8.6	7.9	7.6	6.2	5.5	4.4	4.1	3.3	3.1	3.3	2.7	2.0	2.4	2.4	1.9	1.5	1.5	1.2	-0.3	
Gender:																										
Male	6.9	6.5	7.8	8.2	8.7	9.9	8.9	8.1	7.8	6.7	6.0	4.1	4.3	3.5	2.9	3.1	2.9	2.4	2.7	3.0	2.5	1.7	1.9	1.5	-0.4	
Female	6.0	5.1	6.2	6.7	7.7	9.0	8.2	7.8	7.3	5.6	5.1	4.6	3.8	2.9	3.2	3.3	2.5	1.7	2.0	1.8	1.2	1.3	1.1	0.9	-0.2	
College Plans:																										
None or under 4 years	15.9	15.3	18.5	18.5	20.9	22.4	22.0	20.6	18.9	16.0	16.0	11.5	12.3	10.8	9.4	12.0	8.1	7.8	8.6	8.6	7.0	6.8	5.3	4.9	-0.4	
Complete 4 years	4.4	4.0	4.6	5.2	6.1	7.1	6.3	5.6	5.7	4.5	3.8	3.1	2.8	2.2	2.2	2.1	2.0	1.3	1.7	1.7	1.3	1.0	1.0	0.8	-0.3	
Region:																										
Northeast	7.8	5.9	8.5	7.8	7.7	9.1	8.8	10.0	9.1	6.0	5.0	3.7	4.6	3.6	3.4	3.2	2.5	1.2	2.2	2.6	2.3	1.1	1.4	0.9	-0.4	
Midwest	7.1	7.3	7.7	8.3	9.5	10.9	9.3	9.1	9.9	8.1	6.0	4.8	5.0	3.0	3.3	4.5	4.2	3.3	2.7	2.7	2.2	1.5	1.8	1.7	0.0	
South	7.2	5.5	7.1	8.7	10.3	11.0	10.2	8.9	7.8	7.1	6.5	5.5	4.5	4.3	3.7	3.6	2.8	2.6	3.2	3.1	2.3	2.3	2.0	1.3	-0.7	
West	4.0	5.0	4.3	4.2	3.4	5.0	4.4	3.0	3.0	2.2	3.3	2.5	2.3	1.8	1.7	1.3	1.3	0.7	1.0	1.1	0.5	0.8	0.7	0.8	+0.1	
Population Density:																										
Large MSA	6.9	5.2	5.9	5.8	6.0	7.6	6.6	5.8	6.0	5.7	4.8	3.0	2.3	1.9	2.3	1.8	2.0	1.1	1.6	1.6	1.3	0.9	0.8	0.7	-0.1	
Other MSA	5.8	5.8	6.7	8.5	9.2	9.5	8.0	7.7	7.6	5.6	5.0	4.7	4.0	3.3	2.6	3.0	2.7	2.2	2.3	2.4	1.7	1.4	1.4	0.8	-0.6	
Non-MSA	7.6	6.9	8.7	7.8	9.2	11.5	12.0	11.0	9.4	7.8	7.5	5.7	7.3	5.2	5.4	6.3	4.0	3.1	3.7	3.8	3.0	2.6	2.7	3.0	+0.3	
Parental Education: ^a																										
1.0–2.0 (Low)	9.9	10.7	10.8	8.1	12.0	12.1	10.8	9.0	11.3	10.7	7.6	7.4	8.6	6.6	4.6	7.1	4.9	3.4	4.8	4.2	3.0	3.9	2.6	1.9	-0.7	
2.5–3.0	8.9	6.9	8.5	10.1	12.2	13.1	11.4	11.6	10.4	8.5	8.3	7.0	6.3	5.3	4.9	5.6	4.5	3.2	3.7	4.5	3.6	2.5	2.6	1.9	-0.7	
3.5–4.0	5.8	5.4	7.3	8.0	8.6	10.2	8.8	7.4	7.4	5.9	5.3	4.0	4.2	3.8	3.2	3.1	2.6	2.4	2.4	2.3	1.8	1.3	1.5	1.5	+0.1	
4.5–5.0	4.7	4.7	4.3	5.4	5.0	6.2	6.5	5.9	5.5	4.3	3.9	2.4	2.2	1.4	1.8	1.5	1.6	1.1	1.4	1.1	0.9	1.0	0.9	0.5	-0.4	
5.5–6.0 (High)	4.5	3.7	3.9	4.0	4.0	5.7	4.8	5.4	4.5	3.6	2.6	2.0	1.4	1.0	1.6	1.6	1.2	0.7	1.1	1.0	0.5	0.5	0.5	0.4	-0.2	
Race/Ethnicity (2-year average): ^b																										
White	—	7.4	7.7	8.6	9.3	10.5	11.0	10.4	9.9	8.5	7.1	6.2	5.5	4.7	3.9	3.8	3.8	3.2	2.8	2.9	2.6	2.1	1.9	1.8	-0.1	
African American	—	0.8	0.6	1.2	1.8	1.6	1.7	1.8	1.5	1.9	1.7	1.2	1.0	1.0	1.2	1.3	1.2	0.9	1.1	1.4	1.3	0.9	0.8	1.0	+0.1	
Hispanic	—	3.0	3.0	2.6	3.4	4.3	3.3	3.0	3.1	2.9	2.7	2.2	1.8	1.5	1.9	2.0	1.0	0.9	1.1	1.0	0.9	0.8	0.6	0.5	-0.2	

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 122
CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More
by Subgroups in Grade 12

	Percentage who used half pack a day or more in last 30 days																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
<i>Approximate weighted N =</i>	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400
Total	17.9	19.2	19.4	18.8	16.5	14.3	13.5	14.2	13.8	12.3	12.5	11.4	11.4	10.6	11.2	11.3	10.7	10.0	10.9	11.2
Gender:																				
Male	19.6	19.9	19.7	18.9	15.4	13.5	12.8	13.1	13.1	11.0	12.3	10.7	10.1	11.1	11.2	11.6	11.6	10.4	11.6	12.7
Female	16.1	18.0	18.9	18.0	17.1	14.7	13.8	14.7	13.6	12.8	12.0	11.6	12.5	9.7	10.7	10.8	9.5	9.2	9.9	9.5
College Plans:																				
None or under 4 years	—	25.5	26.9	25.5	23.3	21.2	20.8	21.0	20.9	19.6	20.7	19.2	19.5	18.4	18.6	19.2	18.7	19.1	18.7	19.6
Complete 4 years	—	11.9	11.2	11.1	9.8	8.2	7.5	7.8	7.6	6.5	6.5	6.4	7.2	6.8	7.5	7.5	7.1	6.5	8.1	8.2
Region:																				
Northeast	22.0	22.5	24.2	23.6	19.8	17.0	16.6	15.6	16.6	17.4	17.0	15.6	16.5	13.1	13.6	13.8	12.9	11.1	14.7	12.2
Midwest	18.8	20.3	20.3	19.8	17.4	15.4	16.0	17.3	17.1	13.0	14.9	12.3	12.3	11.5	14.2	13.7	14.1	11.0	12.5	15.3
South	16.8	19.0	18.5	17.0	16.1	14.5	12.0	13.3	12.4	11.3	9.7	10.0	9.4	10.1	9.7	9.4	8.9	10.2	10.4	10.8
West	11.3	12.4	11.5	12.2	10.8	8.3	7.3	7.1	6.4	7.4	7.6	6.5	8.1	7.7	6.9	8.3	7.2	6.8	6.0	5.9
Population Density:																				
Large MSA	21.7	20.1	20.4	19.7	16.2	14.8	15.4	15.9	14.1	14.8	14.4	12.2	13.1	10.8	10.1	11.2	10.2	9.9	9.1	10.2
Other MSA	17.4	18.9	18.8	17.9	16.5	13.8	12.4	12.9	13.5	11.4	11.0	9.6	10.0	10.4	11.2	11.0	10.7	8.4	11.2	10.5
Non-MSA	15.9	19.0	19.5	19.3	16.7	14.7	13.6	14.2	14.0	11.5	12.9	13.3	12.5	10.7	12.1	12.1	11.1	13.1	11.7	13.7
Parental Education: ^a																				
1.0–2.0 (Low)	18.6	21.3	20.0	19.2	19.5	16.3	16.0	17.1	17.1	16.4	16.1	15.6	13.8	11.2	11.5	10.2	12.5	11.0	10.7	9.5
2.5–3.0	17.7	21.4	22.2	21.0	17.6	16.8	15.6	15.9	15.2	14.8	14.2	13.3	13.9	12.4	13.5	13.4	12.4	12.7	12.5	13.7
3.5–4.0	13.9	17.4	18.3	16.9	15.2	12.8	12.5	13.3	11.9	10.5	12.0	11.0	10.5	10.3	10.7	11.6	10.7	9.6	10.4	11.0
4.5–5.0	15.9	15.9	14.8	15.4	12.6	10.3	10.1	10.1	10.5	8.0	9.5	6.8	8.9	8.6	9.2	10.2	7.9	8.1	10.0	10.4
5.5–6.0 (High)	9.1	15.9	14.6	14.5	13.6	9.8	8.8	9.3	9.3	7.9	5.4	7.4	8.4	8.3	8.4	7.9	9.0	5.7	8.3	8.8
Race/Ethnicity (2-year average): ^b																				
White	—	—	20.3	20.2	18.6	16.4	15.0	15.1	15.2	14.2	13.6	13.1	12.9	12.9	12.9	13.3	13.1	12.3	12.8	13.7
African American	—	—	10.7	9.7	9.1	7.1	5.8	5.4	4.9	4.1	3.9	3.6	2.9	2.3	1.9	1.8	1.8	1.8	1.5	1.7
Hispanic	—	—	11.3	9.0	6.4	5.6	6.1	5.6	5.9	6.1	5.3	5.0	4.1	3.5	4.2	4.2	4.0	4.6	4.5	4.0

→
(Years cont.)

(Table continued on next page.)

TABLE 122 (cont.)
CIGARETTES: Trends in 30-Day Prevalence of Use of Half Pack a Day or More
by Subgroups in Grade 12

	Percentage who used half pack a day or more in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	12.4	13.0	14.3	12.6	13.2	11.3	10.3	9.1	8.4	8.0	6.9	5.9	5.7	5.4	5.0	4.7	4.3	4.0	3.4	2.6	-0.8 s
Gender:																					
Male	13.2	13.6	15.5	13.5	14.5	11.4	10.2	10.0	9.5	8.0	8.0	6.2	6.4	6.1	5.4	5.6	5.3	4.9	4.0	3.4	-0.5
Female	11.1	12.0	12.6	11.1	11.5	10.8	10.2	7.9	6.6	7.5	5.3	5.2	4.7	4.6	4.2	3.6	3.0	2.8	2.4	1.8	-0.5
College Plans:																					
None or under 4 years	22.6	23.1	23.5	23.7	23.2	20.3	19.3	17.5	17.2	16.0	15.2	13.0	12.5	11.9	11.2	12.0	11.1	9.5	8.6	6.2	-2.4 s
Complete 4 years	8.9	10.0	11.0	8.9	10.1	8.1	7.6	6.7	5.5	5.6	4.6	3.9	4.0	3.8	3.6	3.1	2.8	2.6	2.1	1.7	-0.4
Region:																					
Northeast	13.4	17.0	19.4	13.6	13.4	13.6	12.3	10.9	8.7	9.0	7.5	7.9	6.1	5.5	5.0	4.4	4.0	5.4	4.3	2.5	-1.8 s
Midwest	14.2	15.1	16.9	16.8	15.0	13.7	14.8	13.6	10.1	8.8	8.7	6.7	7.2	6.6	7.2	5.9	4.5	5.2	3.4	2.5	-0.9
South	12.6	12.0	12.3	11.8	13.9	10.6	7.6	8.6	8.9	8.9	7.6	6.0	6.4	6.5	5.3	5.5	5.2	4.0	4.3	3.3	-1.0
West	8.4	6.5	8.2	7.5	9.0	7.5	6.6	3.1	5.0	4.1	3.1	2.9	2.5	2.6	1.8	2.2	3.0	1.8	1.4	1.6	+0.3
Population Density:																					
Large MSA	12.3	11.6	12.8	11.0	9.6	8.2	9.4	7.6	5.4	6.0	5.2	4.8	4.2	3.4	3.8	4.0	3.8	3.2	2.6	1.9	-0.7
Other MSA	11.1	12.8	14.3	11.7	12.6	11.6	9.4	8.7	8.4	8.2	6.3	5.0	5.3	5.3	4.6	4.2	3.9	3.4	2.8	2.4	-0.4
Non-MSA	14.7	14.4	16.0	16.5	18.0	14.5	13.3	11.9	12.2	10.0	10.4	9.2	8.8	8.2	7.5	6.9	6.2	6.8	6.0	4.1	-1.8
Parental Education: ^a																					
1.0–2.0 (Low)	13.5	13.6	11.9	12.5	15.0	16.1	10.8	7.4	8.7	8.6	6.8	5.4	7.5	6.8	5.2	4.3	5.0	4.9	3.9	2.7	-1.2
2.5–3.0	15.1	14.8	16.4	14.9	16.6	13.8	12.5	12.0	10.5	10.9	10.0	8.4	7.6	6.9	7.2	6.4	6.2	5.3	5.0	3.1	-1.9 s
3.5–4.0	12.7	12.3	13.9	13.8	13.1	10.7	10.6	10.3	8.7	8.2	7.2	5.8	5.6	6.0	5.1	5.1	4.3	4.7	3.7	2.8	-0.9
4.5–5.0	9.8	12.6	14.5	10.3	10.7	9.3	9.2	6.8	5.7	6.1	5.1	4.6	4.7	3.7	3.6	3.2	2.7	2.3	2.4	2.1	-0.3
5.5–6.0 (High)	9.1	10.8	11.2	7.4	9.5	7.1	6.2	5.4	4.9	4.7	3.2	3.3	2.7	3.5	2.0	2.3	2.7	2.0	1.1	1.6	+0.5
Race/Ethnicity (2-year average): ^b																					
White	14.2	15.2	16.9	16.9	15.9	15.1	13.6	12.4	10.9	10.0	9.1	7.9	7.1	7.1	7.0	6.6	6.0	5.4	4.8	3.9	-1.0
African American	2.2	2.5	2.8	2.5	2.4	2.6	2.4	2.1	1.7	1.6	1.8	2.1	2.4	2.2	1.6	1.6	2.0	1.5	1.5	2.0	+0.5
Hispanic	4.1	5.3	5.8	5.2	5.8	7.0	5.3	3.8	3.0	2.9	2.9	2.6	2.5	2.1	1.6	1.5	1.4	1.3	1.4	1.2	-0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. ' — ' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 123
TOBACCO USING A HOOKAH: Trends in Annual
Prevalence of Use by Subgroups in Grade 12

	Percent who used in last 12 months						2013– 2014 change
	1975– 2011	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>		14,400	14,100	13,700	12,600	12,400	
Total	—	17.1	18.5	18.3	21.4	22.9	+1.5
Gender:							
Male	—	19.0	20.0	19.9	21.6	24.9	+3.4
Female	—	15.2	16.7	17.0	21.0	21.4	+0.4
College Plans:							
None or under 4 years	—	19.4	19.8	17.9	21.3	23.7	+2.4
Complete 4 years	—	16.2	18.6	18.4	21.5	22.8	+1.3
Region:							
Northeast	—	15.4	15.1	17.5	23.9	21.6	-2.3
Midwest	—	17.9	21.3	18.6	18.9	26.2	+7.3 s
South	—	15.3	14.5	12.1	16.5	20.1	+3.7
West	—	20.9	23.9	26.2	29.7	25.9	-3.7
Population Density:							
Large MSA	—	19.6	18.6	22.7	25.2	24.6	-0.6
Other MSA	—	18.3	21.2	19.3	23.6	23.5	-0.2
Non-MSA	—	10.5	12.3	9.1	10.7	19.3	+8.6 ss
Parental Education: ^a							
1.0–2.0 (Low)	—	16.8	19.8	18.1	19.2	17.9	-1.3
2.5–3.0	—	16.3	17.6	16.8	20.6	20.2	-0.4
3.5–4.0	—	18.7	18.1	19.4	23.7	22.9	-0.8
4.5–5.0	—	15.0	18.6	19.6	20.8	29.0	+8.2 ss
5.5–6.0 (High)	—	21.3	20.6	17.6	20.4	22.0	+1.6
Race/Ethnicity (2-year data): ^b							
White	—	—	20.6	20.5	20.2	24.4	+4.1 s
African American	—	—	6.0	5.9	8.6	10.3	+1.7
Hispanic	—	—	17.6	18.5	22.8	23.7	+0.9

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; *N* is one sixth of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education.

See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 124
SMALL CIGARS: Trends in Annual Prevalence
of Use by Subgroups in Grade 12

	Percent who used in last 12 months						2013– 2014 change
	1975– 2011	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>		14,400	14,100	13,700	12,600	12,400	
Total	—	23.1	19.5	19.9	20.4	18.9	-1.5
Gender:							
Male	—	29.7	26.7	27.1	26.5	26.4	-0.1
Female	—	16.3	12.3	12.9	14.8	11.8	-3.0
College Plans:							
None or under 4 years	—	30.7	27.7	24.5	21.8	22.9	+1.1
Complete 4 years	—	21.4	17.8	19.0	20.1	18.0	-2.1
Region:							
Northeast	—	26.1	21.5	19.2	21.4	21.2	-0.3
Midwest	—	28.1	23.7	28.4	23.7	23.6	-0.1
South	—	19.8	14.2	12.8	19.8	18.2	-1.6
West	—	20.8	21.8	20.5	17.1	14.2	-2.9
Population Density:							
Large MSA	—	22.7	16.2	21.6	18.5	16.0	-2.6
Other MSA	—	23.5	21.9	19.5	22.4	20.3	-2.1
Non-MSA	—	22.5	18.4	18.3	18.3	19.4	+1.0
Parental Education: ^a							
1.0–2.0 (Low)	—	16.6	14.8	12.8	18.3	9.5	-8.8 s
2.5–3.0	—	23.6	16.2	18.6	17.5	17.6	+0.1
3.5–4.0	—	22.9	19.9	20.5	22.8	20.6	-2.3
4.5–5.0	—	25.9	19.4	23.2	22.1	20.8	-1.3
5.5–6.0 (High)	—	23.5	26.5	19.7	18.1	21.5	+3.5
Race/Ethnicity (2-year data): ^b							
White	—	—	25.8	24.3	23.9	24.2	+0.3
African American	—	—	6.3	5.9	9.1	10.5	+1.5
Hispanic	—	—	17.9	13.6	16.0	13.7	-2.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; *N* is one sixth of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education.

See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 125
E-Cigarettes: Trends in 30-Day
Prevalence of Use by Subgroups in Grades 8, 10, and 12

	Percentage who used in last 30 days								
	8th Graders			10th Graders			12th Graders		
	1991– <u>2013</u>	2013– 2014 <u>change</u>		1991– <u>2013</u>	2013– 2014 <u>change</u>		1976– <u>2013</u>	2013– 2014 <u>change</u>	
<i>Approximate weighted N =</i>	—	14,600	—	—	13,000	—	—	12,400	—
Total	—	8.7	—	—	16.2	—	—	17.1	—
Gender:									
Male	—	9.8	—	—	19.2	—	—	20.1	—
Female	—	7.1	—	—	13.1	—	—	13.7	—
College Plans:									
None or under 4 years	—	16.8	—	—	26.3	—	—	23.0	—
Complete 4 years	—	7.9	—	—	15.3	—	—	15.4	—
Region:									
Northeast	—	7.2	—	—	17.3	—	—	15.7	—
Midwest	—	6.7	—	—	15.1	—	—	19.7	—
South	—	8.7	—	—	16.5	—	—	15.6	—
West	—	11.7	—	—	16.0	—	—	18.6	—
Population Density:									
Large MSA	—	9.7	—	—	15.3	—	—	15.8	—
Other MSA	—	9.7	—	—	17.5	—	—	19.8	—
Non-MSA	—	5.1	—	—	14.8	—	—	12.3	—
Parental Education: ^a									
1.0–2.0 (Low)	—	11.4	—	—	20.3	—	—	14.6	—
2.5–3.0	—	12.1	—	—	16.3	—	—	19.1	—
3.5–4.0	—	10.2	—	—	20.2	—	—	18.3	—
4.5–5.0	—	6.4	—	—	14.9	—	—	14.7	—
5.5–6.0 (High)	—	5.3	—	—	13.1	—	—	18.6	—
Race/Ethnicity (2-year data): ^b									
White	—	—	—	—	—	—	—	—	—
African American	—	—	—	—	—	—	—	—	—
Hispanic	—	—	—	—	—	—	—	—	—

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on two of four forms; *N* is one third of *N* indicated in S1 and S2. For 12th graders only: Data based on four of six forms; *N* is four sixths of *N* indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 126
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 30 days																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	6.9	7.0	6.6	7.7	7.1	7.1	5.5	4.8	4.5	4.2	4.0	3.3	4.1	4.1	3.3	3.7	3.2	3.5	3.7	4.1	3.5	2.8	2.8	3.0	+0.1
Gender:																									
Male	12.7	12.5	10.9	12.8	11.8	11.4	9.9	8.1	6.9	6.7	6.9	5.4	6.7	6.4	5.3	5.3	4.7	5.5	6.3	6.3	4.9	4.0	3.8	3.8	0.0
Female	1.4	2.0	2.7	2.4	2.9	2.9	1.5	1.5	2.1	1.8	1.4	1.3	1.8	1.7	1.5	2.1	1.7	1.5	1.4	1.9	1.9	1.5	1.9	2.2	+0.3
College Plans:																									
None or under 4 years	12.7	17.1	15.5	16.7	15.4	16.4	12.6	13.9	13.2	11.4	14.6	10.2	12.8	12.3	10.8	11.3	8.9	12.7	11.1	14.0	11.1	11.5	9.2	9.6	+0.5
Complete 4 years	6.1	5.5	5.3	6.5	6.0	5.6	4.6	3.8	3.5	3.4	2.9	2.6	3.3	3.2	2.4	2.9	2.7	2.7	3.1	3.2	2.8	2.1	2.4	2.4	0.0
Region:																									
Northeast	5.0	4.9	3.4	6.1	5.4	4.9	3.2	2.7	2.5	2.7	3.7	2.7	3.1	3.4	1.4	2.9	1.5	2.5	3.2	3.9	2.9	2.6	1.8	1.3	-0.4
Midwest	7.1	7.5	7.2	7.1	7.6	8.3	6.8	4.3	5.3	4.8	4.0	3.9	3.5	4.2	3.2	4.0	2.9	3.4	3.0	4.8	3.3	2.1	1.4	2.7	+1.3
South	9.5	9.3	8.0	9.9	8.7	8.1	6.7	6.9	5.9	5.8	5.4	4.1	5.9	5.5	5.3	4.6	4.1	5.2	5.6	5.0	4.3	3.6	4.7	3.7	-1.0
West	3.5	4.4	6.3	6.0	5.0	5.9	4.1	3.9	2.9	1.9	2.1	1.5	2.5	2.0	1.4	2.2	2.8	1.8	1.8	1.9	2.6	2.0	2.0	3.2	+1.2
Population Density:																									
Large MSA	4.8	4.2	3.3	4.6	4.1	4.2	3.6	2.9	1.8	2.4	2.4	1.5	2.6	1.9	1.3	1.9	1.9	2.8	2.5	2.3	1.8	1.4	1.7	1.8	0.0
Other MSA	6.2	6.9	6.8	6.4	6.7	7.1	4.7	4.1	3.9	3.9	3.5	2.9	3.7	3.6	2.8	3.1	3.1	3.1	3.6	4.7	3.7	3.1	2.6	2.7	+0.1
Non-MSA	10.4	10.3	9.9	13.0	11.2	10.6	9.0	8.5	8.9	7.0	7.0	6.2	6.9	7.7	7.0	7.1	5.3	5.4	5.8	5.0	5.4	4.2	4.9	5.2	+0.3
Parental Education: ^a																									
1.0–2.0 (Low)	11.4	7.8	9.4	8.9	10.6	6.3	8.3	5.4	6.6	7.4	5.0	4.5	6.8	6.9	5.7	5.9	4.9	5.4	5.3	5.2	6.6	4.2	4.1	5.6	+1.5
2.5–3.0	8.4	8.5	7.5	8.4	9.9	8.8	6.0	5.1	5.7	5.2	5.4	5.1	5.1	6.0	4.9	3.9	3.7	5.1	5.5	6.0	4.2	3.8	3.5	4.4	+0.9
3.5–4.0	6.7	7.0	7.5	8.7	7.0	7.2	6.5	5.9	4.5	4.5	3.7	3.2	4.1	3.5	3.1	3.7	3.1	3.8	4.9	4.1	3.3	3.2	3.7	3.0	-0.7
4.5–5.0	4.8	7.0	5.2	6.1	5.0	6.8	4.8	4.4	3.3	2.9	2.5	2.4	3.1	3.2	2.4	3.1	2.5	2.4	2.9	3.3	2.7	2.0	1.6	1.9	+0.3
5.5–6.0 (High)	6.1	4.6	4.9	6.8	5.8	5.9	3.7	3.9	3.1	3.0	4.2	2.5	2.7	2.9	1.8	3.4	2.3	2.3	1.4	2.5	1.5	1.4	1.8	1.9	+0.1
Race/Ethnicity (2-year average): ^b																									
White	—	8.3	8.0	8.1	8.9	8.8	7.6	6.1	5.4	5.2	4.8	4.1	3.9	4.4	4.2	3.7	3.8	3.9	4.4	4.9	4.6	3.6	3.1	3.4	+0.3
African American	—	1.8	2.7	3.2	2.6	2.2	2.6	2.3	2.3	2.7	2.2	1.6	2.7	3.0	2.0	2.1	2.3	2.4	2.6	2.2	1.8	1.8	2.2	2.0	-0.2
Hispanic	—	4.2	4.0	5.0	5.7	5.2	4.6	4.5	4.6	3.7	3.3	4.0	4.7	4.0	2.6	3.1	2.9	2.4	2.5	2.6	3.2	3.1	2.4	2.6	+0.2

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S1. In 2011 snus and dissolvable tobacco were added to the list of examples.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 127
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 30 days																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	10.0	9.6	10.4	10.5	9.7	8.6	8.9	7.5	6.5	6.1	6.9	6.1	5.3	4.9	5.6	5.7	6.1	5.0	6.5	7.5	6.6	6.4	6.4	5.3	-1.2
Gender:																									
Male	18.7	18.1	19.3	19.2	17.2	15.0	14.9	13.8	12.2	11.4	12.7	9.9	9.6	9.0	9.7	10.2	10.2	8.2	11.1	13.0	11.5	11.2	11.1	8.9	-2.1
Female	1.3	1.8	2.0	2.1	2.1	2.3	2.7	1.7	1.3	1.3	1.6	2.1	1.3	1.0	1.6	1.2	2.0	2.0	2.0	2.0	1.9	1.9	2.0	1.9	-0.2
College Plans:																									
None or under 4 years	16.9	17.5	20.2	19.9	20.3	16.3	18.5	17.8	13.2	13.9	16.0	13.6	13.0	12.2	13.3	14.9	14.0	14.6	17.5	21.8	17.9	16.8	18.6	17.9	-0.7
Complete 4 years	8.4	8.0	8.4	8.5	7.8	7.2	7.2	5.7	5.4	4.8	5.4	4.8	4.1	3.9	4.5	4.5	5.0	3.8	5.3	5.8	5.2	5.3	5.1	4.1	-1.0
Region:																									
Northeast	8.6	5.3	8.0	9.0	7.6	6.8	9.3	6.5	5.2	4.6	4.9	4.7	4.5	5.1	4.6	4.5	5.9	3.3	6.6	6.7	5.6	4.3	6.4	4.1	-2.3
Midwest	11.0	9.6	10.0	10.0	11.0	9.5	7.1	7.9	8.1	6.2	7.0	4.8	4.9	3.7	5.7	7.5	6.3	7.2	7.7	9.2	6.4	7.9	6.9	5.7	-1.2
South	11.6	11.4	11.8	11.7	10.9	10.2	10.2	9.5	7.9	7.7	9.6	8.3	7.5	7.3	7.0	6.0	8.3	6.5	7.7	9.1	7.9	8.1	6.9	6.8	-0.1
West	7.8	10.9	11.1	10.9	7.7	6.0	8.2	4.6	4.0	4.5	3.0	5.1	3.5	3.0	4.5	4.1	3.3	2.2	3.3	4.0	5.4	4.0	5.4	3.6	-1.8
Population Density:																									
Large MSA	5.9	6.4	6.5	6.2	5.9	5.5	4.2	3.7	4.6	5.6	4.1	4.5	3.7	3.0	3.2	3.9	4.1	3.4	4.8	5.1	4.6	3.6	5.1	4.1	-1.0
Other MSA	9.2	9.3	10.1	10.9	9.2	8.4	8.3	5.7	5.3	4.3	5.7	6.1	4.8	4.3	5.3	5.3	5.8	4.4	6.3	7.0	6.1	6.3	5.3	4.4	-0.8
Non-MSA	14.7	13.3	14.1	13.9	15.0	12.2	14.7	15.1	11.3	9.8	12.5	8.2	9.2	9.0	9.4	9.6	9.9	8.7	9.3	12.1	10.2	10.5	11.2	9.5	-1.7
Parental Education: ^a																									
1.0–2.0 (Low)	6.6	10.1	10.9	9.4	9.6	8.1	9.0	6.8	7.2	7.4	6.9	6.7	7.4	3.7	4.4	7.4	6.1	5.0	7.9	6.5	6.4	7.2	5.6	4.7	-0.9
2.5–3.0	12.1	11.0	12.2	12.5	10.4	9.7	9.4	8.2	7.0	6.4	8.9	8.1	5.0	5.8	6.7	7.1	6.9	6.5	7.4	9.1	8.8	7.7	8.4	6.7	-1.7
3.5–4.0	10.6	10.5	10.9	10.2	10.9	8.3	10.3	8.6	7.3	6.3	7.1	5.5	4.9	5.2	6.0	5.7	6.4	5.4	7.4	8.7	7.2	7.5	6.9	5.8	-1.1
4.5–5.0	9.3	7.6	9.9	9.8	9.8	8.5	7.2	6.9	6.1	6.2	5.7	5.4	5.7	4.4	5.6	4.9	6.1	4.6	5.4	7.0	5.2	6.1	5.9	4.3	-1.6
5.5–6.0 (High)	8.6	8.1	7.0	8.9	6.0	7.7	8.3	5.2	4.8	4.0	4.8	5.2	4.3	4.4	3.8	5.3	4.8	2.9	5.6	6.0	5.3	3.8	5.3	4.6	-0.8
Race/Ethnicity (2-year average): ^b																									
White	—	11.4	12.0	12.5	12.0	11.0	10.4	10.0	8.7	7.5	7.5	7.8	6.9	6.1	6.6	6.9	7.3	7.3	7.5	9.1	9.1	8.0	8.1	7.7	-0.3
African American	—	2.9	2.3	2.3	2.5	2.5	2.8	2.3	1.6	2.0	3.2	2.6	2.5	2.7	2.5	3.2	3.3	2.8	2.6	2.3	2.2	2.3	2.2	2.5	+0.3
Hispanic	—	6.2	6.1	4.3	3.6	4.0	4.6	4.8	4.8	4.5	4.0	4.0	4.1	3.3	3.1	3.4	2.7	2.6	2.9	2.8	3.4	4.4	3.4	3.0	-0.4

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S2. In 2011 snus and dissolvable tobacco were added to the list of examples.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 128
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990 ^a	1991 ^a	1992	1993	1994
Approximate weighted N =	—	—	—	—	—	—	—	—	—	—	—	15,200	16,300	16,300	16,700	—	—	15,800	16,300	15,400
Total	—	—	—	—	—	—	—	—	—	—	—	11.5	11.3	10.3	8.4	—	—	11.4	10.7	11.1
Gender:																				
Male	—	—	—	—	—	—	—	—	—	—	—	22.3	22.8	19.9	15.9	—	—	20.8	19.7	20.3
Female	—	—	—	—	—	—	—	—	—	—	—	1.6	0.7	1.7	1.2	—	—	2.0	2.3	2.6
College Plans:																				
None or under 4 years	—	—	—	—	—	—	—	—	—	—	—	14.5	15.5	13.1	9.6	—	—	18.0	14.9	15.8
Complete 4 years	—	—	—	—	—	—	—	—	—	—	—	9.8	9.0	8.8	7.7	—	—	9.4	9.4	9.3
Region:																				
Northeast	—	—	—	—	—	—	—	—	—	—	—	9.5	7.3	5.9	5.0	—	—	8.2	9.6	12.0
Midwest	—	—	—	—	—	—	—	—	—	—	—	13.5	11.3	10.8	8.3	—	—	12.3	13.6	14.7
South	—	—	—	—	—	—	—	—	—	—	—	12.2	13.7	12.1	9.8	—	—	12.5	11.1	9.7
West	—	—	—	—	—	—	—	—	—	—	—	9.3	11.7	10.9	9.1	—	—	11.1	7.0	8.5
Population Density:																				
Large MSA	—	—	—	—	—	—	—	—	—	—	—	9.0	6.4	7.7	6.8	—	—	5.9	7.1	7.5
Other MSA	—	—	—	—	—	—	—	—	—	—	—	8.9	10.5	8.5	7.6	—	—	11.1	9.9	11.3
Non-MSA	—	—	—	—	—	—	—	—	—	—	—	17.1	17.5	16.1	11.7	—	—	16.9	15.0	14.7
Parental Education: ^b																				
1.0–2.0 (Low)	—	—	—	—	—	—	—	—	—	—	—	8.6	11.7	10.7	5.3	—	—	14.9	7.0	12.3
2.5–3.0	—	—	—	—	—	—	—	—	—	—	—	14.4	11.5	10.7	7.0	—	—	12.4	11.6	12.9
3.5–4.0	—	—	—	—	—	—	—	—	—	—	—	11.5	12.1	10.6	9.0	—	—	12.4	10.8	9.8
4.5–5.0	—	—	—	—	—	—	—	—	—	—	—	10.4	11.7	11.8	10.2	—	—	8.0	13.3	11.1
5.5–6.0 (High)	—	—	—	—	—	—	—	—	—	—	—	7.7	8.1	7.2	8.4	—	—	10.6	7.8	10.2
Race/Ethnicity (2-year average): ^c																				
White	—	—	—	—	—	—	—	—	—	—	—	—	12.9	12.0	10.6	—	—	—	13.8	13.8
African American	—	—	—	—	—	—	—	—	—	—	—	—	2.1	4.5	4.5	—	—	—	2.0	1.9
Hispanic	—	—	—	—	—	—	—	—	—	—	—	—	4.4	5.2	5.1	—	—	—	6.0	5.4

→
(Years cont.)

(Table continued on next page.)

TABLE 128 (cont.)
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 30 days																				2013– 2014 change
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	12.2	9.8	9.7	8.8	8.4	7.6	7.8	6.5	6.7	6.7	7.6	6.1	6.6	6.5	8.4	8.5	8.3	7.9	8.1	8.4	+0.3
Gender:																					
Male	23.6	19.5	18.7	15.6	15.5	14.4	14.2	12.2	12.5	12.2	12.7	11.0	11.9	11.8	15.8	15.7	14.2	13.5	14.6	14.3	-0.3
Female	1.8	1.1	1.2	1.5	1.3	1.3	1.6	1.2	1.0	1.6	1.9	1.5	1.2	1.0	1.7	1.7	1.8	1.6	1.4	2.1	+0.7
College Plans:																					
None or under 4 years	18.7	17.6	16.9	14.3	10.5	15.8	13.0	10.8	12.8	11.9	15.2	13.4	11.7	12.4	14.2	14.4	17.5	15.0	16.1	15.0	-1.1
Complete 4 years	9.9	7.6	7.4	7.1	7.6	5.4	6.1	4.8	4.8	4.9	5.4	4.1	5.3	5.0	7.3	7.3	6.4	6.0	6.2	6.5	+0.4
Region:																					
Northeast	9.6	8.4	6.9	2.6	4.3	5.3	5.4	5.3	6.3	5.1	8.0	5.3	5.3	7.5	7.1	7.6	8.2	7.1	5.6	9.6	+4.0
Midwest	16.7	12.6	13.4	11.8	8.9	11.1	9.9	7.8	5.7	7.4	10.5	7.0	9.1	7.2	14.1	12.2	7.8	10.5	11.2	11.8	+0.6
South	11.9	9.2	9.0	10.5	10.7	7.3	8.5	7.9	7.9	8.4	7.5	7.5	7.9	6.1	7.1	7.8	8.9	7.7	9.3	5.9	-3.3
West	8.6	8.5	9.1	7.3	7.0	6.3	6.2	3.9	6.0	4.3	4.0	3.4	2.8	5.6	4.6	6.7	7.7	5.9	5.2	8.4	+3.2
Population Density:																					
Large MSA	12.5	8.6	6.5	4.7	4.9	4.2	4.4	3.4	3.4	3.8	4.3	4.8	3.9	2.6	4.4	5.9	5.3	6.4	7.1	3.8	-3.3
Other MSA	9.5	7.4	7.4	7.7	8.5	7.9	8.0	5.7	6.9	5.6	7.8	4.6	6.8	6.2	7.7	7.9	8.4	6.4	7.4	9.8	+2.3
Non-MSA	16.7	15.3	17.9	16.1	11.7	11.4	11.5	11.9	10.4	12.1	11.3	10.9	10.1	11.8	15.0	13.8	12.4	14.1	11.4	11.1	-0.3
Parental Education: ^b																					
1.0–2.0 (Low)	9.8	6.3	5.8	6.1	5.4	4.3	6.3	4.1	9.3	6.1	5.3	4.9	5.3	3.4	2.8	6.1	2.2	5.3	7.9	6.3	-1.7
2.5–3.0	11.5	10.4	10.7	9.0	9.1	9.9	7.5	5.6	5.9	8.8	9.7	8.0	9.8	7.2	10.4	8.2	9.3	10.0	7.9	9.3	+1.4
3.5–4.0	12.8	9.1	10.4	9.8	8.8	8.9	8.6	7.4	6.5	4.6	7.8	6.4	5.3	6.8	9.4	8.7	8.2	8.5	6.7	8.1	+1.5
4.5–5.0	12.8	11.4	9.1	9.6	8.5	6.2	6.2	7.3	7.6	7.9	8.0	6.1	6.6	6.5	7.7	9.8	9.9	8.4	10.5	9.5	-1.0
5.5–6.0 (High)	11.6	8.1	9.9	7.4	7.9	5.7	10.3	4.6	6.2	5.4	3.7	3.5	5.8	6.3	8.7	7.5	6.3	4.7	7.7	7.9	+0.2
Race/Ethnicity (2-year average): ^c																					
White	13.8	13.0	12.2	11.8	11.0	10.5	10.3	9.7	8.5	8.2	8.7	8.8	8.3	8.6	10.5	12.1	11.8	11.3	11.0	11.4	+0.3
African American	2.1	2.7	2.2	1.4	1.5	1.5	1.2	1.0	1.0	0.6	0.3	0.5	1.8	2.0	1.5	2.2	1.8	1.0	2.4	2.6	+0.2
Hispanic	7.6	8.1	5.3	4.3	3.9	3.8	3.2	2.6	3.1	3.9	4.9	3.8	2.7	2.3	2.5	3.7	3.9	2.5	2.3	3.4	+1.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: $s = .05$, $ss = .01$, $sss = .001$. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3. In 2011 snus and dissolvable tobacco were added to the list of examples.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aPrevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence-of-use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities between the corresponding data.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 129
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 8

	Percentage who used daily in last 30 days																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Approximate weighted N =	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.6	1.8	1.5	1.9	1.2	1.5	1.0	1.0	0.9	0.9	1.2	0.8	0.8	1.0	0.7	0.7	0.8	0.8	0.8	0.9	0.8	0.5	0.5	0.5	0.0
Gender:																									
Male	3.1	3.4	2.9	3.2	2.2	2.9	1.7	1.8	1.6	1.5	2.5	1.5	1.4	1.7	1.2	1.1	1.6	1.2	1.4	1.5	1.5	0.8	0.9	0.9	0.0
Female	0.2	0.3	0.3	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.3	0.2	0.3	0.1	0.4	0.3	0.3	0.2	0.1	0.1	0.3	+0.2
College Plans:																									
None or under 4 years	4.1	5.6	4.4	5.4	3.5	5.1	3.6	6.1	3.8	2.7	4.5	4.5	4.0	3.8	2.4	4.0	3.2	5.0	2.5	4.0	3.6	2.3	1.9	3.1	+1.2
Complete 4 years	1.2	1.2	1.1	1.4	0.9	1.0	0.6	0.5	0.5	0.7	0.9	0.5	0.5	0.7	0.5	0.4	0.6	0.4	0.7	0.6	0.6	0.4	0.4	0.3	-0.1
Region:																									
Northeast	1.2	0.9	0.6	0.8	0.6	0.8	0.6	0.4	0.1	0.4	0.7	0.6	0.8	1.0	0.1	0.6	0.2	0.9	1.1	0.7	0.7	0.5	0.1	0.1	0.0
Midwest	1.5	1.6	1.6	1.4	1.1	2.0	1.2	1.3	0.9	1.3	1.1	1.1	0.6	0.6	0.3	0.5	0.5	0.4	0.6	0.9	0.6	0.2	0.4	0.3	-0.1
South	2.4	3.0	2.2	3.3	1.8	2.0	1.5	1.3	1.6	1.3	2.1	1.0	1.3	1.7	1.4	1.1	1.5	1.3	1.3	1.5	1.1	0.7	0.9	0.8	-0.1
West	0.6	0.8	1.0	0.9	0.8	0.8	0.2	0.7	0.3	0.2	0.1	0.2	0.2	0.3	0.2	0.4	0.4	0.3	0.1	0.2	0.4	0.5	0.3	0.8	+0.5
Population Density:																									
Large MSA	0.5	0.6	0.7	0.7	0.4	0.4	0.5	0.4	0.3	0.2	0.3	0.4	0.7	0.4	*	0.3	0.4	0.4	0.5	0.4	0.2	0.2	0.1	0.2	+0.1
Other MSA	1.2	1.9	1.5	1.0	0.9	1.2	0.8	0.6	0.8	0.8	0.8	0.6	0.6	0.6	0.5	0.6	0.7	0.7	0.6	1.1	0.8	0.5	0.5	0.2	-0.3
Non-MSA	3.3	2.8	2.5	4.6	2.6	3.4	1.6	2.6	1.8	2.0	2.9	1.8	1.5	2.6	1.9	1.6	1.7	1.5	1.7	1.1	1.7	1.0	1.2	1.8	+0.6
Parental Education: ^a																									
1.0–2.0 (Low)	2.8	3.5	2.0	3.0	2.2	1.5	3.2	2.6	0.9	1.4	1.8	2.2	1.8	2.8	1.4	1.3	1.9	1.5	1.6	1.0	1.6	0.3	0.9	1.5	+0.6
2.5–3.0	2.2	2.6	1.9	2.7	1.7	3.1	1.1	1.5	1.6	1.4	2.1	1.0	1.0	1.1	0.5	0.9	1.0	1.3	0.9	1.9	0.9	0.6	0.8	1.3	+0.4
3.5–4.0	1.4	1.2	1.8	1.9	1.2	1.7	0.9	1.3	0.8	1.3	0.3	1.0	0.8	0.8	0.8	0.7	0.8	0.8	1.3	0.8	0.9	1.0	0.6	0.2	-0.4
4.5–5.0	0.8	1.3	1.1	1.1	0.9	0.3	0.8	0.5	0.5	0.4	0.5	0.3	0.2	0.7	0.8	0.6	0.6	0.3	0.4	0.4	0.7	0.3	0.3	0.0	-0.3
5.5–6.0 (High)	1.0	0.9	0.6	0.7	0.8	0.8	0.4	0.5	0.4	0.4	1.7	0.9	1.1	0.8	0.4	0.5	0.5	0.6	0.2	0.2	0.1	0.2	0.2	0.6	+0.4
Race/Ethnicity (2-year average): ^b																									
White	—	2.0	2.0	2.0	1.9	1.7	1.5	1.2	1.1	1.1	1.2	1.0	0.7	0.9	0.9	0.7	0.9	0.9	0.9	1.0	1.0	0.9	0.7	0.8	+0.1
African American	—	0.3	0.4	0.7	0.6	0.4	0.5	0.4	0.4	0.4	0.5	0.5	0.6	0.5	0.2	0.5	0.5	0.7	1.0	0.7	0.5	0.3	0.3	0.2	-0.1
Hispanic	—	0.8	0.9	0.9	0.7	1.1	0.9	0.8	1.0	0.8	0.8	0.8	0.9	0.9	0.4	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.1	0.1	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. '*' indicates less than 0.05% but greater than 0%. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S1.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 130
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 10

	Percentage who used daily in last 30 days																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	3.3	3.0	3.3	3.0	2.7	2.2	2.2	2.2	1.5	1.9	2.2	1.7	1.8	1.6	1.9	1.7	1.6	1.4	1.9	2.5	1.7	2.0	1.9	1.8	0.0
Gender:																									
Male	6.3	6.3	6.4	5.9	5.2	4.2	4.0	4.3	3.2	3.9	4.5	3.0	3.7	3.0	3.4	3.3	2.9	2.6	3.7	4.7	3.3	3.9	3.5	3.4	-0.1
Female	0.2	0.1	0.3	0.2	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.2	0.1	0.2	0.3	*	0.3	0.3	0.2	0.3	0.2	0.3	0.3	0.4	+0.1
College Plans:																									
None or under 4 years	7.6	8.5	8.8	6.5	7.8	5.4	6.3	6.4	3.6	5.9	6.6	4.6	4.8	5.0	5.4	6.8	4.4	6.2	7.7	8.2	5.2	6.2	7.6	7.7	+0.1
Complete 4 years	2.3	1.9	2.2	2.2	1.9	1.6	1.5	1.5	1.2	1.2	1.5	1.0	1.3	1.1	1.3	1.0	1.2	0.8	1.3	1.8	1.3	1.6	1.2	1.2	0.0
Region:																									
Northeast	1.8	1.0	1.7	3.0	2.0	1.3	1.5	1.2	1.2	0.9	1.1	0.8	1.6	2.1	1.3	0.8	1.4	0.5	1.5	2.3	1.2	1.2	1.7	0.9	-0.8
Midwest	3.1	2.9	2.5	2.4	2.5	2.1	1.4	2.1	2.0	2.1	2.1	1.3	1.3	0.8	1.7	2.2	1.6	2.4	2.8	2.3	1.7	2.5	1.7	1.9	+0.2
South	4.7	4.5	5.2	3.3	4.1	3.3	3.5	3.8	2.0	2.8	3.6	2.6	3.0	2.6	2.8	2.3	2.6	2.1	2.3	3.7	2.4	2.9	2.7	3.1	+0.4
West	2.7	2.9	3.1	3.6	1.1	1.0	1.7	0.8	0.7	1.0	0.9	1.1	0.8	0.6	1.2	0.9	0.4	0.2	0.6	0.8	0.9	0.9	1.0	0.5	-0.5
Population Density:																									
Large MSA	1.5	1.6	1.1	1.0	1.5	0.6	0.8	1.0	0.8	1.6	0.8	1.3	1.2	0.8	0.8	1.1	1.0	0.7	1.0	1.4	1.2	0.7	1.1	0.9	-0.2
Other MSA	3.1	2.8	3.2	3.5	2.3	2.3	1.7	1.5	1.0	1.0	1.7	1.4	1.5	1.3	1.4	1.4	1.5	1.1	1.9	2.6	1.0	1.7	1.5	1.3	-0.2
Non-MSA	5.0	4.9	5.3	4.2	4.9	3.6	4.6	5.0	3.5	3.8	5.0	2.6	3.5	3.4	4.2	3.2	2.6	3.2	3.1	3.8	3.5	4.5	3.7	4.7	+0.9
Parental Education: ^a																									
1.0–2.0 (Low)	2.5	3.9	4.1	3.2	3.6	1.7	3.8	2.6	1.7	2.4	3.8	1.7	1.7	1.5	2.0	3.6	2.0	1.0	2.9	2.5	2.0	1.5	1.1	2.2	+1.1
2.5–3.0	4.8	5.0	4.3	3.8	3.4	3.4	2.0	2.8	1.7	2.3	3.2	1.2	2.1	1.8	2.6	2.9	2.1	1.7	2.3	3.4	2.8	3.4	3.0	2.9	-0.2
3.5–4.0	3.3	2.8	3.1	3.0	2.8	1.4	2.4	2.7	1.6	1.6	1.5	2.0	1.9	2.4	2.0	1.3	1.6	1.9	2.2	3.0	1.4	2.2	2.0	2.3	+0.2
4.5–5.0	2.5	1.7	2.5	2.7	2.9	2.3	1.7	1.8	1.6	1.9	1.9	1.5	1.7	0.7	1.7	1.1	1.4	1.3	1.3	1.7	1.4	1.7	1.2	1.2	0.0
5.5–6.0 (High)	2.5	1.6	2.7	1.7	1.0	1.4	1.9	0.7	0.8	0.8	1.9	1.3	1.4	0.9	1.2	1.3	1.1	0.1	1.7	2.0	1.4	1.3	1.1	0.9	-0.2
Race/Ethnicity (2-year average): ^b																									
White	—	3.8	3.9	3.8	3.3	2.9	2.5	2.7	2.4	2.1	2.4	2.3	2.1	2.1	2.1	2.2	2.1	2.1	2.4	3.1	2.8	2.4	2.7	2.6	0.0
African American	—	0.5	0.4	0.6	0.5	0.4	0.4	0.4	0.3	0.4	0.9	0.8	0.4	0.6	0.8	0.8	0.6	0.4	0.4	0.6	0.9	0.8	0.7	0.8	+0.2
Hispanic	—	1.1	1.0	0.8	1.2	1.2	1.3	1.3	0.8	0.8	1.0	0.5	0.4	0.9	1.0	0.7	0.3	0.2	0.4	0.5	0.7	0.9	0.5	0.4	-0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. '*' indicates less than 0.05% but greater than 0%. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of two forms in 1991–1996 and on two of four forms beginning in 1997; N is one half of N indicated in Table S2.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 131
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																			
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990 ^a	1991 ^a	1992	1993	1994
Approximate weighted N =	—	—	—	—	—	—	—	—	—	—	—	15,200	16,300	16,300	16,700	—	—	15,800	16,300	15,400
Total	—	—	—	—	—	—	—	—	—	—	—	4.7	5.1	4.3	3.3	—	—	4.3	3.3	3.9
Gender:																				
Male	—	—	—	—	—	—	—	—	—	—	—	10.0	10.7	8.6	6.8	—	—	7.8	6.4	7.2
Female	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1	0.5	0.0	—	—	0.5	0.4	0.3
College Plans:																				
None or under 4 years	—	—	—	—	—	—	—	—	—	—	—	7.1	7.8	5.8	4.2	—	—	7.4	4.3	6.6
Complete 4 years	—	—	—	—	—	—	—	—	—	—	—	3.3	3.7	3.5	2.7	—	—	3.3	3.1	2.8
Region:																				
Northeast	—	—	—	—	—	—	—	—	—	—	—	4.6	2.1	2.3	1.3	—	—	1.8	1.9	4.5
Midwest	—	—	—	—	—	—	—	—	—	—	—	4.5	4.5	3.5	2.2	—	—	4.0	4.4	4.7
South	—	—	—	—	—	—	—	—	—	—	—	6.1	7.4	6.3	4.2	—	—	5.4	4.0	3.5
West	—	—	—	—	—	—	—	—	—	—	—	2.9	5.5	4.0	4.9	—	—	5.1	1.7	3.2
Population Density:																				
Large MSA	—	—	—	—	—	—	—	—	—	—	—	3.4	3.3	3.0	3.0	—	—	2.0	1.7	2.0
Other MSA	—	—	—	—	—	—	—	—	—	—	—	3.3	4.3	2.5	2.8	—	—	4.2	3.0	3.6
Non-MSA	—	—	—	—	—	—	—	—	—	—	—	7.8	8.5	8.9	4.6	—	—	6.5	5.2	6.7
Parental Education: ^b																				
1.0–2.0 (Low)	—	—	—	—	—	—	—	—	—	—	—	1.9	5.6	5.3	1.8	—	—	6.7	3.9	6.6
2.5–3.0	—	—	—	—	—	—	—	—	—	—	—	7.6	6.9	3.2	3.9	—	—	4.8	3.5	3.8
3.5–4.0	—	—	—	—	—	—	—	—	—	—	—	3.5	4.7	5.4	3.1	—	—	5.2	3.3	3.3
4.5–5.0	—	—	—	—	—	—	—	—	—	—	—	3.9	5.0	4.7	4.6	—	—	2.4	3.7	3.9
5.5–6.0 (High)	—	—	—	—	—	—	—	—	—	—	—	3.3	2.1	3.5	1.2	—	—	2.6	1.8	2.7
Race/Ethnicity (2-year average): ^c																				
White	—	—	—	—	—	—	—	—	—	—	—	—	5.8	5.4	4.5	—	—	—	4.8	4.7
African American	—	—	—	—	—	—	—	—	—	—	—	—	0.6	1.0	0.5	—	—	—	0.3	0.7
Hispanic	—	—	—	—	—	—	—	—	—	—	—	—	0.8	2.1	2.1	—	—	—	1.6	0.7

→
(Years cont.)

(Table continued on next page.)

TABLE 131 (cont.)
SMOKELESS TOBACCO: Trends in 30-Day Prevalence of Daily Use by Subgroups in Grade 12

	Percentage who used daily in last 30 days																				2013– 2014 change
Approximate weighted N =	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	3.6	3.3	4.4	3.2	2.9	3.2	2.8	2.0	2.2	2.8	2.5	2.2	2.8	2.7	2.9	3.1	3.1	3.2	3.0	3.4	+0.4
Gender:																					
Male	7.2	7.1	8.6	6.0	5.7	6.5	5.6	4.3	4.6	5.6	4.7	4.3	5.6	5.6	5.8	5.9	6.0	5.7	5.7	6.5	+0.8
Female	0.1	0.1	0.2	0.0	0.0	0.4	0.3	0.0	0.0	0.2	0.2	0.1	0.2	0.0	0.4	0.2	0.0	0.3	0.0	0.1	+0.1
College Plans:																					
None or under 4 years	6.5	6.8	9.1	6.5	3.4	7.9	4.7	2.4	5.3	5.0	7.1	6.1	5.3	6.6	6.4	7.5	7.8	8.4	7.8	8.8	+1.0
Complete 4 years	2.7	2.6	2.7	2.3	2.6	2.0	2.1	1.4	1.4	2.0	1.5	1.2	2.1	1.9	2.3	2.1	2.2	2.0	1.8	1.9	+0.1
Region:																					
Northeast	2.2	3.2	3.5	0.5	1.0	1.3	1.5	1.6	2.7	1.9	2.1	1.9	1.9	1.8	2.1	2.4	3.8	3.2	1.6	3.9	+2.3
Midwest	4.9	4.1	7.0	4.0	3.4	5.0	2.8	2.2	1.1	3.0	3.8	2.1	3.9	3.1	4.4	5.3	4.1	3.7	4.9	5.6	+0.7
South	4.2	3.1	3.6	4.6	4.0	4.0	3.8	2.4	2.6	3.7	2.7	3.0	4.2	2.7	3.7	3.7	2.9	4.3	2.9	2.5	-0.4
West	1.6	2.9	3.0	1.8	1.9	1.6	2.6	1.3	2.2	1.7	1.0	1.0	0.1	3.0	0.7	0.6	1.9	1.3	2.2	2.3	+0.1
Population Density:																					
Large MSA	2.1	2.6	3.3	0.9	0.5	0.9	1.4	0.4	0.5	0.8	1.0	1.4	1.6	0.5	0.9	0.9	1.6	2.1	1.4	0.9	-0.6
Other MSA	3.2	1.9	3.3	2.4	3.1	3.7	2.6	2.0	2.2	2.2	2.4	1.6	2.4	2.1	2.4	2.0	2.9	1.9	2.3	3.5	+1.2
Non-MSA	5.8	6.7	7.7	7.6	4.9	5.3	5.0	3.8	4.2	6.2	4.8	4.4	5.8	6.8	6.7	9.2	5.9	8.1	7.0	6.4	-0.6
Parental Education: ^b																					
1.0–2.0 (Low)	2.7	2.2	1.3	2.2	2.1	2.9	4.0	2.2	4.9	3.0	2.2	1.3	2.5	0.7	1.2	2.2	0.8	3.1	2.0	0.6	-1.3
2.5–3.0	4.7	3.6	5.8	5.2	3.7	4.2	3.2	1.7	1.4	4.2	3.5	3.3	3.8	3.4	3.5	3.9	4.7	5.9	3.0	3.8	+0.7
3.5–4.0	2.9	3.6	3.7	2.6	3.5	3.9	2.8	2.1	2.0	2.0	3.7	1.7	2.7	2.9	2.5	2.9	2.9	3.1	3.0	3.8	+0.8
4.5–5.0	3.5	4.6	3.9	3.0	1.9	2.1	2.7	2.4	2.8	2.6	1.8	2.6	3.1	2.7	3.5	3.2	3.5	2.3	3.7	4.4	+0.7
5.5–6.0 (High)	2.7	1.1	5.0	2.5	2.1	2.5	2.5	0.2	1.8	1.9	0.4	1.3	1.8	2.2	3.1	2.8	0.8	1.9	1.5	2.4	+0.9
Race/Ethnicity (2-year average): ^c																					
White	4.6	4.1	5.0	5.2	4.3	4.3	4.4	3.5	2.9	3.2	3.5	3.4	3.4	3.8	4.5	4.7	4.6	4.6	4.3	4.6	+0.2
African American	0.6	0.3	0.2	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.8	0.9	0.6	1.5	1.4	0.3	0.6	1.3	+0.7
Hispanic	1.2	2.2	1.9	0.8	0.4	0.9	0.6	0.3	0.7	1.1	0.7	0.4	0.7	0.6	0.2	0.4	0.5	0.5	0.4	0.5	+0.1

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aPrevalence of smokeless tobacco use was not asked of 12th graders in 1990 and 1991. Prior to 1990 the prevalence-of-use question on smokeless tobacco was located near the end of one 12th-grade questionnaire form, whereas after 1991 the question was placed earlier and in a different form. This shift could explain the discontinuities between the corresponding data.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 132
DISSOLVABLE TOBACCO PRODUCTS: Trends in Annual
Prevalence of Use by Subgroups in Grades 8, 10, and 12

	Percentage who used in last 12 months															
	8th Graders					10th Graders					12th Graders					
	1991– <u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2013– 2014 <u>change</u>	1991– <u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2013– 2014 <u>change</u>	2009– <u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2013– 2014 <u>change</u>
<i>Approximate weighted N =</i>	—	15,100	14,600	14,600		—	15,000	12,900	13,000		—	14,100	13,700	12,600	12,400	
Total	—	1.0	1.1	1.1	0.0	—	1.6	1.2	1.3	+0.1	—	1.5	1.6	1.9	1.1	-0.8
Gender:																
Male	—	0.8	1.5	1.3	-0.2	—	2.3	2.0	1.9	-0.1	—	1.8	2.4	3.3	1.1	-2.2 ss
Female	—	1.0	0.8	1.0	+0.2	—	0.9	0.6	0.7	+0.1	—	1.0	0.4	0.5	0.7	+0.1
College Plans:																
None or under 4 years	—	4.4	4.5	6.1	+1.5	—	5.6	2.8	5.9	+3.1	—	3.0	1.7	3.9	4.6	+0.7
Complete 4 years	—	0.8	0.9	0.7	-0.1	—	1.2	1.0	0.8	-0.2	—	1.1	1.6	1.3	0.3	-1.0 ss
Region:																
Northeast	—	0.3	0.5	1.4	+0.9	—	0.5	1.0	1.1	+0.2	—	1.3	1.4	1.3	0.3	-1.0
Midwest	—	0.8	0.4	0.5	+0.1	—	1.7	1.2	0.9	-0.2	—	0.5	0.8	2.0	0.8	-1.2
South	—	1.4	1.7	1.2	-0.5	—	1.7	1.6	1.3	-0.3	—	2.4	2.2	1.5	1.5	0.0
West	—	1.1	1.3	1.4	+0.1	—	2.1	0.9	1.9	+1.0	—	1.5	2.0	2.7	1.3	-1.4
Population Density:																
Large MSA	—	1.2	1.0	1.2	+0.2	—	1.4	0.8	1.1	+0.3	—	1.7	1.7	1.8	1.9	+0.1
Other MSA	—	0.7	1.1	0.8	-0.3	—	1.5	1.0	1.0	0.0	—	1.4	1.4	1.6	0.8	-0.7
Non-MSA	—	1.3	1.3	1.7	+0.4	—	1.9	2.2	2.6	+0.4	—	1.5	2.1	2.7	0.7	-2.0 s
Parental Education: ^a																
1.0–2.0 (Low)	—	1.2	2.6	2.4	-0.2	—	2.2	1.4	0.5	-0.9	—	0.6	1.1	3.8	2.5	-1.4
2.5–3.0	—	1.3	0.7	1.9	+1.2	—	2.2	2.0	1.2	-0.8	—	2.7	2.5	1.0	1.9	+0.9
3.5–4.0	—	1.4	1.7	0.8	-0.8	—	2.3	1.0	2.2	+1.2	—	1.1	1.6	2.3	1.0	-1.3
4.5–5.0	—	0.7	0.7	0.8	+0.1	—	0.6	1.1	0.9	-0.2	—	0.5	1.3	1.5	0.1	-1.3 s
5.5–6.0 (High)	—	0.6	0.8	0.8	0.0	—	1.1	0.9	0.7	-0.3	—	1.9	0.7	1.7	0.1	-1.6
Race/Ethnicity (2-year data): ^b																
White	—	—	0.8	1.0	+0.2	—	—	1.4	1.3	-0.1	—	—	1.6	1.8	1.5	-0.3
African American	—	—	1.2	1.0	-0.1	—	—	0.8	1.2	+0.4	—	—	1.5	1.8	1.9	0.0
Hispanic	—	—	1.7	1.6	-0.1	—	—	1.4	1.0	-0.4	—	—	1.0	1.4	1.1	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See

Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on one of six forms; N is one sixth of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 133
SNUS: Trends in Annual Prevalence of Use
by Subgroups in Grades 8, 10, and 12

	Percentage who used in last 12 months															
	<u>8th Graders</u>					<u>10th Graders</u>					<u>12th Graders</u>					
	1991– <u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2013– 2014 <u>change</u>	1991– <u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2013– 2014 <u>change</u>	1975– <u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	2013– 2014 <u>change</u>
<i>Approximate weighted N =</i>	—	15,100	14,600	14,600		—	15,000	12,900	13,000		—	14,100	13,700	12,600	12,400	
Total	—	2.4	2.0	2.2	+0.2	—	6.9	5.2	4.5	-0.6	—	7.9	7.9	7.7	5.8	-1.9
Gender:																
Male	—	3.3	3.3	3.1	-0.2	—	12.1	9.3	7.5	-1.9	—	13.9	14.1	14.6	9.9	-4.7 s
Female	—	1.5	0.8	1.5	+0.6	—	2.1	1.3	1.7	+0.4	—	1.9	1.2	1.4	1.5	+0.1
College Plans:																
None or under 4 years	—	9.0	7.4	8.9	+1.5	—	17.5	16.0	15.1	-0.9	—	15.1	12.2	13.6	16.0	+2.4
Complete 4 years	—	2.0	1.6	1.6	0.0	—	5.8	4.0	3.4	-0.6	—	6.2	6.6	6.1	3.5	-2.6 ss
Region:																
Northeast	—	1.8	1.1	1.4	+0.3	—	6.2	5.5	3.3	-2.2	—	7.8	8.0	7.3	6.0	-1.3
Midwest	—	2.0	1.2	2.2	+1.0	—	7.8	6.7	5.7	-1.0	—	10.6	8.3	8.3	7.1	-1.3
South	—	3.4	3.3	2.4	-0.8	—	8.4	5.0	5.2	+0.2	—	6.4	8.8	8.9	5.0	-3.9 s
West	—	1.6	1.4	2.2	+0.8	—	4.2	3.8	3.5	-0.3	—	7.1	6.2	5.5	5.9	+0.4
Population Density:																
Large MSA	—	1.2	1.6	1.1	-0.5	—	4.1	3.1	3.4	+0.3	—	6.9	6.1	6.7	3.7	-3.0
Other MSA	—	2.4	1.8	1.7	-0.1	—	7.4	4.8	3.9	-0.9	—	6.5	7.8	7.9	5.2	-2.7
Non-MSA	—	4.5	3.0	4.6	+1.6	—	9.6	8.9	8.1	-0.8	—	12.2	10.8	8.6	9.6	+1.0
Parental Education: ^a																
1.0–2.0 (Low)	—	2.2	3.0	3.1	+0.1	—	4.9	4.8	3.4	-1.4	—	2.9	4.8	9.2	4.5	-4.6
2.5–3.0	—	3.9	2.0	3.5	+1.5	—	8.5	6.9	4.3	-2.7	—	8.8	8.9	5.7	7.5	+1.8
3.5–4.0	—	3.9	3.0	2.2	-0.8	—	8.3	6.2	5.2	-1.0	—	9.4	6.8	9.7	5.5	-4.2 s
4.5–5.0	—	1.5	1.4	1.4	0.0	—	6.3	3.4	4.7	+1.3	—	8.1	10.0	7.5	6.3	-1.1
5.5–6.0 (High)	—	1.1	1.3	1.2	-0.1	—	5.4	4.7	4.4	-0.3	—	5.4	6.2	6.7	2.5	-4.2
Race/Ethnicity (2-year data): ^b																
White	—	—	2.7	2.6	-0.1	—	—	8.1	7.1	-1.0	—	—	10.2	9.9	9.1	-0.8
African American	—	—	0.9	0.7	-0.1	—	—	1.6	1.4	-0.1	—	—	3.4	3.3	2.1	-1.2
Hispanic	—	—	1.8	1.5	-0.3	—	—	2.6	1.2	-1.4	—	—	4.4	4.6	2.9	-1.7

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding.

See Tables S1, S2, and S3 for the number of subgroup cases. See appendix B for definition of variables in table. For 8th and 10th graders only: Data based on one of four forms; N is one third of N indicated in S1 and S2. For 12th graders only: Data based on two of six forms; N is two sixths of N indicated in Table S3.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aParental education is an average score of mother's education and father's education. See appendix B for details.

^bTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 134
STEROIDS: ^aTrends in Annual Prevalence of Use by Subgroups in Grade 8

	Percentage who used in last 12 months																								2013– 2014 change
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>Approximate weighted N =</i>	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Total	1.0	1.1	0.9	1.2	1.0	0.9	1.0	1.2	1.7	1.7	1.6	1.5	1.4	1.1	1.1	0.9	0.8	0.9	0.8	0.5	0.7	0.6	0.6	0.6	0.0
Gender:																									
Male	1.8	1.7	1.4	1.8	1.3	1.1	1.3	1.6	2.5	2.2	2.3	1.8	1.8	1.3	1.2	1.2	1.1	1.2	1.0	0.7	1.0	0.8	0.7	0.6	-0.1
Female	0.3	0.5	0.3	0.6	0.8	0.7	0.7	0.7	0.9	1.0	1.0	1.2	1.1	1.0	0.9	0.6	0.4	0.5	0.5	0.3	0.4	0.3	0.4	0.5	0.0
College Plans:																									
None or under 4 years	2.2	2.4	2.2	2.5	2.2	1.5	2.4	2.8	4.0	3.6	3.1	3.6	2.7	3.2	2.4	2.4	2.7	2.3	2.2	1.4	1.4	1.4	1.6	1.4	-0.3
Complete 4 years	0.8	0.9	0.7	1.0	0.9	0.8	0.8	1.0	1.4	1.5	1.5	1.3	1.3	0.9	0.9	0.7	0.6	0.8	0.7	0.5	0.7	0.5	0.5	0.5	0.0
Region:																									
Northeast	0.7	1.1	0.6	1.0	1.0	1.1	1.0	1.1	1.6	1.7	1.8	1.2	1.1	0.8	0.6	0.6	0.5	0.8	0.8	0.5	0.5	0.5	0.6	0.6	0.0
Midwest	1.1	1.2	1.0	1.0	1.1	0.8	1.0	1.2	1.6	1.8	1.7	1.6	1.7	1.2	1.1	0.8	0.7	0.9	0.7	0.7	0.9	0.5	0.3	0.6	+0.2
South	1.2	1.1	1.0	1.6	1.1	0.9	0.9	1.4	1.9	1.8	1.9	1.9	1.6	1.3	1.3	1.1	1.0	1.1	0.7	0.5	0.8	0.8	0.8	0.6	-0.2
West	0.7	0.9	0.7	1.0	1.0	0.8	1.1	0.9	1.4	1.3	0.9	1.2	1.2	1.0	1.0	0.7	0.8	0.6	0.9	0.4	0.6	0.5	0.5	0.4	-0.1
Population Density:																									
Large MSA	0.8	1.0	0.8	0.9	0.9	0.8	0.9	1.0	1.3	1.6	1.6	1.1	1.0	1.0	0.8	0.8	0.7	0.8	0.4	0.4	0.3	0.6	0.6	0.3	-0.2
Other MSA	1.2	1.2	0.9	1.2	1.2	0.9	0.9	1.2	1.9	1.5	1.7	1.6	1.5	1.1	1.1	0.8	0.8	0.9	0.9	0.7	0.8	0.6	0.6	0.6	0.0
Non-MSA	1.0	0.9	0.9	1.5	0.9	0.9	1.2	1.4	1.7	2.0	1.6	2.1	1.8	1.3	1.3	1.2	1.0	1.0	0.9	0.4	1.2	0.6	0.7	0.7	0.0
Parental Education: ^b																									
1.0–2.0 (Low)	1.8	1.2	1.2	1.6	1.3	0.9	1.4	1.7	2.2	2.5	2.0	1.8	1.3	1.5	2.1	1.0	1.7	1.7	2.1	0.7	1.0	0.6	0.6	0.8	+0.1
2.5–3.0	1.1	1.2	0.8	1.6	1.3	0.7	0.9	1.1	1.9	2.1	1.6	1.7	1.9	1.4	1.0	0.9	0.9	1.0	0.7	0.5	0.9	0.6	0.7	0.5	-0.2
3.5–4.0	1.0	1.0	1.1	1.3	0.8	0.9	1.2	1.4	1.6	1.3	1.9	1.9	1.6	1.0	1.1	1.0	0.8	1.0	0.9	0.5	0.9	0.4	0.6	0.7	0.0
4.5–5.0	0.7	0.9	0.8	0.8	0.8	1.2	0.9	1.1	1.4	1.6	1.5	1.0	1.3	1.2	1.1	0.7	0.4	0.7	0.5	0.6	0.5	0.5	0.3	0.5	+0.2
5.5–6.0 (High)	1.0	1.3	0.6	0.9	1.5	0.9	1.2	1.1	2.0	1.6	1.7	1.6	1.0	0.7	0.7	1.1	0.8	0.8	0.6	0.5	0.8	0.9	0.8	0.6	-0.3
Race/Ethnicity (2-year average): ^c																									
White	—	1.1	1.0	1.0	1.1	0.9	0.9	1.1	1.5	1.9	1.8	1.7	1.6	1.3	1.0	0.9	0.8	0.8	0.7	0.5	0.5	0.6	0.5	0.5	0.0
African American	—	0.7	0.6	0.8	0.9	0.7	0.6	0.7	0.8	0.7	0.8	1.2	1.2	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.5	0.7	0.8	0.7	-0.1
Hispanic	—	1.2	1.1	1.1	1.3	1.5	1.4	1.4	1.8	1.8	1.5	1.5	1.7	1.7	1.2	0.9	0.7	0.7	0.9	0.8	0.7	0.4	0.5	0.6	0.0

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S1 for the number of subgroup cases. See appendix B for definition of variables in table. In 2006 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2007 the remaining forms were changed in a like manner. In 2008 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2009 the remaining forms were changed in a like manner.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 135
STEROIDS: ^aTrends in Annual Prevalence of Use by Subgroups in Grade 10

	Percentage who used in last 12 months																							2013– 2014 change	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013		2014
Approximate weighted N =	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000	
Total	1.1	1.1	1.0	1.1	1.2	1.2	1.2	1.2	1.7	2.2	2.1	2.2	1.7	1.5	1.3	1.2	1.1	0.9	0.8	1.0	0.9	0.8	0.8	0.8	-0.1
Gender																									
Male	1.9	1.9	1.7	1.9	2.0	1.7	1.8	1.9	2.8	3.6	3.3	3.2	2.3	2.3	1.8	1.9	1.7	1.4	1.2	1.3	1.4	1.3	1.3	1.1	-0.2
Female	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.6	0.7	0.8	1.0	1.2	1.1	0.9	0.7	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.5	0.0
College Plans																									
None or under 4 years	1.7	1.3	1.9	2.1	2.1	2.1	2.4	1.9	2.6	3.6	3.2	3.0	2.7	2.9	1.9	2.3	1.9	2.6	1.6	2.6	2.1	2.3	1.2	2.5	+1.3
Complete 4 years	0.9	1.0	0.8	0.9	1.1	1.0	1.0	1.1	1.6	1.9	1.9	2.1	1.5	1.4	1.2	1.1	0.9	0.7	0.7	0.8	0.8	0.7	0.8	0.6	-0.2
Region																									
Northeast	1.2	0.9	1.0	1.0	1.1	1.0	0.9	1.4	2.0	1.8	1.9	2.0	1.9	1.4	1.5	0.9	1.1	0.8	1.2	1.1	0.8	0.8	1.0	0.5	-0.5
Midwest	1.0	1.1	1.2	1.1	1.2	1.4	1.2	1.1	1.8	2.1	1.5	1.8	1.9	1.4	1.2	1.2	1.2	1.0	0.7	0.7	0.8	0.7	0.8	0.7	-0.1
South	1.0	1.2	1.0	1.3	1.3	1.4	1.4	1.4	1.7	2.5	2.5	2.5	1.5	1.9	1.5	1.6	1.3	1.0	0.7	1.2	1.2	1.0	0.8	1.2	+0.4
West	1.0	1.2	0.8	1.1	1.3	0.6	1.3	0.9	1.4	2.1	2.3	2.4	1.4	1.4	0.9	0.9	0.7	0.8	0.6	0.8	0.7	0.7	0.8	0.6	-0.3
Population Density																									
Large MSA	1.5	0.9	0.8	0.8	0.8	0.8	1.0	0.8	1.2	2.3	1.9	2.1	1.4	1.2	0.9	1.0	0.8	0.7	0.9	0.9	0.6	0.9	0.9	0.8	-0.1
Other MSA	1.0	1.0	0.9	1.1	1.4	1.2	1.2	1.3	1.9	2.0	2.0	2.3	1.5	1.5	1.4	1.3	1.1	1.0	0.7	0.9	1.0	0.8	0.9	0.6	-0.2
Non-MSA	0.8	1.4	1.4	1.5	1.4	1.5	1.5	1.5	2.0	2.5	2.4	2.1	2.6	2.1	1.5	1.4	1.3	1.1	0.7	1.1	1.1	0.7	0.8	1.2	+0.5
Parental Education ^b																									
1.0–2.0 (Low)	0.7	0.9	1.5	1.8	1.2	1.7	1.7	1.3	1.2	2.3	1.6	1.6	1.9	1.5	1.8	1.4	1.0	1.5	1.0	1.5	0.5	1.1	1.0	0.6	-0.4
2.5–3.0	1.3	1.1	1.0	0.9	1.1	0.7	1.1	1.1	1.7	2.2	2.1	2.0	1.9	1.8	1.2	1.5	1.4	1.0	0.9	1.0	0.9	0.9	0.9	0.6	-0.3
3.5–4.0	1.0	1.2	1.1	0.8	1.6	1.2	1.4	1.7	2.0	2.0	2.3	2.8	1.9	1.7	1.0	1.3	1.0	0.9	0.7	0.9	0.8	0.7	1.2	1.0	-0.2
4.5–5.0	0.9	1.0	0.8	1.4	1.1	1.2	1.0	0.9	1.5	2.4	2.0	2.0	1.6	1.5	1.5	0.9	1.1	0.8	0.7	0.7	1.1	0.9	0.5	0.7	+0.2
5.5–6.0 (High)	1.2	1.4	1.1	1.1	1.0	1.1	1.1	1.1	2.4	2.2	2.1	3.0	1.3	1.2	1.3	1.4	0.9	1.0	0.9	1.2	1.0	0.7	0.7	0.8	+0.1
Race/Ethnicity (2-year average) ^c																									
White	—	1.0	1.0	1.0	1.2	1.3	1.3	1.3	1.5	2.1	2.3	2.4	2.3	1.8	1.6	1.3	1.2	1.0	0.8	0.7	0.8	0.8	0.8	0.8	0.0
African American	—	0.7	0.8	0.8	0.7	0.7	0.5	0.5	0.7	1.2	1.6	1.2	0.8	0.7	0.9	1.1	0.9	0.8	0.7	1.0	1.3	1.0	0.9	1.0	+0.1
Hispanic	—	1.2	1.4	1.3	0.9	1.1	1.2	1.2	1.5	1.8	2.1	2.1	1.8	1.6	1.3	1.0	0.7	1.1	1.3	0.8	0.6	0.8	0.9	0.5	-0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S2 for the number of subgroup cases. See appendix B for definition of variables in table. In 2006 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2007 the remaining forms were changed in a like manner. In 2008 the question text was changed slightly in half of the questionnaire forms. An examination of the data did not show any effect from the wording change. In 2009 the remaining forms were changed in a like manner.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE 136
STEROIDS: ^aTrends in Annual Prevalence of Use by Subgroups in Grade 12

	Percentage who used in last 12 months																								2013– 2014 change			
	1975– 1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011		2012	2013	2014
Approximate weighted N =	—	16,700	15,200	15,000	15,800	16,300	15,400	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400	
Total	—	1.9	1.7	1.4	1.1	1.2	1.3	1.5	1.4	1.4	1.7	1.8	1.7	2.4	2.5	2.1	2.5	1.5	1.8	1.4	1.5	1.5	1.5	1.2	1.3	1.5	1.5	0.0
Gender																												
Male	—	2.8	2.6	2.4	2.1	2.5	2.1	2.4	2.2	2.5	2.8	3.1	2.5	3.8	3.8	3.2	3.3	2.6	2.7	2.3	2.5	2.5	2.5	1.8	1.7	2.2	2.0	-0.1
Female	—	0.9	0.3	0.2	0.1	0.1	0.5	0.6	0.4	0.5	0.3	0.6	0.9	1.1	1.3	1.1	1.7	0.4	0.7	0.6	0.4	0.4	0.3	0.5	0.7	0.7	0.7	0.0
College Plans																												
None or under 4 years	—	2.3	2.2	2.1	2.1	2.0	1.9	2.0	2.3	2.3	2.1	3.6	2.0	4.6	4.1	2.6	2.8	2.1	2.7	2.1	3.1	2.9	3.3	1.6	1.4	2.7	1.8	-0.9
Complete 4 years	—	1.6	1.3	1.2	0.8	0.9	1.1	1.2	1.1	1.2	1.4	1.3	1.6	1.8	2.0	2.0	2.4	1.2	1.5	1.3	1.1	1.2	1.1	1.1	1.1	1.1	1.3	+0.1
Region																												
Northeast	—	2.0	1.3	1.2	0.6	1.5	1.5	1.6	1.3	2.1	0.9	1.3	1.9	4.5	2.1	3.0	3.8	1.6	2.0	1.6	2.2	1.3	1.7	1.2	1.6	1.0	2.1	+1.1
Midwest	—	1.5	1.3	1.4	1.4	0.8	2.2	1.5	2.1	2.1	2.3	1.6	2.3	1.7	2.8	1.8	2.4	1.6	1.5	1.3	1.7	1.4	1.6	0.6	0.9	1.6	0.9	-0.7
South	—	2.1	2.2	1.7	0.6	1.6	1.0	1.7	1.3	0.5	1.6	2.6	1.5	2.1	2.5	1.8	2.2	1.6	2.0	2.0	1.4	1.7	1.5	1.5	1.6	1.9	1.4	-0.5
West	—	1.9	1.7	1.0	2.3	1.1	0.8	1.0	0.3	1.6	1.7	1.2	1.1	2.1	2.4	2.2	2.0	1.0	1.5	0.5	0.9	1.4	1.1	1.5	1.0	0.9	1.5	+0.5
Population Density																												
Large MSA	—	1.6	1.3	1.1	1.0	0.7	1.1	1.4	1.3	0.8	2.1	1.3	1.7	1.9	2.0	2.1	2.6	1.4	1.6	1.0	0.9	1.3	1.2	1.0	1.4	1.1	0.8	-0.3
Other MSA	—	2.3	1.5	1.4	1.4	0.9	1.5	1.3	1.3	1.7	1.5	2.0	2.0	2.9	3.0	2.1	2.9	1.4	1.6	1.5	1.4	1.7	1.5	1.4	1.2	1.1	1.9	+0.8 s
Non-MSA	—	1.1	2.4	1.6	0.8	2.2	1.3	2.1	1.5	1.6	1.6	1.9	1.2	2.0	2.1	2.3	1.8	1.7	2.2	1.9	2.4	1.1	1.6	1.2	1.0	2.8	1.1	-1.7 ss
Parental Education ^b																												
1.0–2.0 (Low)	—	0.6	1.1	2.0	2.1	1.1	2.8	1.1	1.5	3.4	3.0	1.5	1.3	2.1	3.6	2.9	4.9	2.1	2.8	3.0	2.1	1.7	1.6	2.2	1.5	3.3	1.9	-1.4
2.5–3.0	—	2.1	2.0	0.6	0.9	1.3	1.7	1.3	1.9	1.4	1.4	0.8	1.6	3.2	3.0	1.3	2.9	1.3	1.8	1.6	1.6	1.8	2.2	1.3	1.0	1.5	1.4	-0.1
3.5–4.0	—	2.6	2.3	1.6	1.3	1.5	1.1	1.1	1.3	1.1	1.1	2.5	1.9	1.9	2.8	2.7	2.5	1.7	1.7	1.1	1.3	1.6	1.6	1.5	1.1	0.8	1.1	+0.3
4.5–5.0	—	1.3	1.1	1.6	0.9	1.3	0.6	2.0	1.1	1.2	1.9	2.2	1.4	1.9	2.3	2.3	1.8	1.3	1.3	1.1	1.4	1.3	0.7	0.6	1.0	1.7	1.2	-0.6
5.5–6.0 (High)	—	2.1	1.0	0.5	0.8	0.8	1.2	1.4	1.1	1.3	1.5	1.1	2.4	2.2	1.0	1.4	2.4	1.2	1.5	1.5	1.5	0.9	1.4	0.8	1.8	0.5	1.4	+0.8
Race/Ethnicity (2-year average) ^c																												
White	—	—	1.6	1.3	1.3	1.2	1.1	1.4	1.3	1.2	1.5	1.7	1.8	2.1	2.5	2.4	2.4	2.1	1.6	1.5	1.5	1.5	1.5	1.3	1.2	1.3	1.1	-0.2
African American	—	—	1.8	1.2	0.5	1.1	1.8	1.2	1.4	1.5	0.9	0.7	1.0	1.2	1.0	1.1	1.3	1.6	1.7	1.6	1.4	1.5	1.7	1.8	1.6	1.4	2.7	+1.2
Hispanic	—	—	2.3	3.3	1.8	0.9	1.7	1.3	0.6	1.6	2.4	2.9	2.4	2.1	2.2	1.8	2.4	2.0	2.3	2.3	1.3	1.0	1.3	1.4	1.0	1.1	1.4	+0.3

Source. The Monitoring the Future study, the University of Michigan.

Notes. Level of significance of difference between the two most recent classes: s = .05, ss = .01, sss = .001. '—' indicates data not available. Any apparent inconsistency between the change estimate and the prevalence estimates for the two most recent years is due to rounding. See Table S3 for the number of subgroup cases. See appendix B for definition of variables in table. Data based on one of six forms in 1989–1990; N is one sixth of N indicated in Table S3.

Data based on two of six forms in 1991–2005; N is two sixths of N indicated in Table S3. Data based on three of six forms beginning in 2006; N is three sixths of N indicated in Table S3. In 2006 there were no changes in the two forms containing the original version of the question text. A slightly altered version of the question was added to a third form. An examination of the data did not show any effect from the wording change. In 2007 the forms containing the original version were changed in a like manner. In 2008 the question wording was changed slightly in two of the questionnaire forms. An examination of the data did not show any effect from the wording changes. In 2009 the remaining form was changed in a like manner.

Caution: Limited sample sizes (see Notes above). Use caution in interpreting subgroup trends.

^aOnly drug use not under a doctor's orders is included here.

^bParental education is an average score of mother's education and father's education. See appendix B for details.

^cTo derive percentages for each racial subgroup, data for the specified year and the previous year have been combined to increase subgroup sample sizes and thus provide more stable estimates. See appendix B for details on how race/ethnicity is defined.

TABLE S1
Approximate Weighted Ns by Subgroups in Grade 8

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Total	17,500	18,600	18,300	17,300	17,500	17,800	18,600	18,100	16,700	16,700	16,200	15,100	16,500	17,000	16,800	16,500	16,100	15,700	15,000	15,300	16,000	15,100	14,600	14,600	
Gender																									
Male	8,600	8,800	8,600	8,300	8,100	8,400	8,600	8,600	7,800	7,900	7,500	7,000	7,600	8,100	8,000	7,800	7,800	7,600	7,100	7,100	7,600	7,200	7,000	6,800	
Female	8,600	9,300	9,200	8,600	8,700	8,800	9,300	8,900	8,400	8,300	8,300	7,600	8,400	8,500	8,400	8,200	7,900	7,600	7,400	7,800	7,900	7,400	7,100	7,200	
College Plans																									
None or under 4 years	2,300	2,400	2,100	2,000	1,900	2,200	1,900	1,800	1,700	1,600	1,600	1,300	1,600	1,600	1,600	1,500	1,300	1,200	1,100	1,200	1,100	980	900	1,000	
Complete 4 years	14,600	15,400	15,400	14,700	14,800	14,800	15,800	15,600	14,500	14,500	14,100	13,400	14,500	15,000	14,800	14,600	14,400	14,000	13,500	13,800	14,500	13,700	13,300	13,000	
Region																									
Northeast	3,000	3,700	3,900	3,400	3,100	3,200	3,400	3,300	3,000	2,800	2,900	2,800	3,200	3,200	3,200	2,900	2,400	2,600	2,500	2,500	2,900	2,800	2,500	2,400	
Midwest	5,300	5,300	4,700	4,200	4,300	4,600	4,100	4,300	4,200	4,300	4,000	4,000	4,100	4,000	3,700	3,500	3,600	3,400	3,400	3,700	3,400	3,200	3,400	3,200	
South	6,300	6,200	6,400	6,300	6,600	6,300	7,200	6,600	6,100	6,300	5,900	5,400	6,300	6,300	6,300	6,300	6,400	5,600	5,700	5,600	6,200	5,800	5,400	5,600	
West	2,900	3,400	3,300	3,400	3,500	3,700	3,900	3,900	3,400	3,300	3,400	2,900	2,900	3,500	3,600	3,800	3,700	4,100	3,400	3,500	3,500	3,300	3,300	3,400	
Population Density																									
Large MSA	4,500	5,700	5,500	4,400	5,200	5,200	5,000	4,800	4,800	4,900	4,700	4,500	4,900	5,000	5,400	5,400	5,000	5,100	4,500	4,600	5,400	5,200	4,800	4,700	
Other MSA	8,400	8,300	8,800	8,300	7,800	8,400	9,000	8,800	7,900	7,900	7,500	6,900	7,700	7,900	7,400	7,300	7,800	7,500	7,300	7,500	7,300	6,900	6,800	6,800	
Non-MSA	4,600	4,600	4,000	4,600	4,500	4,200	4,600	4,500	4,000	3,900	4,000	3,700	3,900	4,100	4,000	3,800	3,300	3,100	3,200	3,200	3,300	3,000	3,000	3,100	
Parental Education																									
1.0–2.0 (Low)	1,400	1,700	1,700	1,600	1,500	1,500	1,500	1,300	1,300	1,300	1,300	1,100	1,100	1,200	1,400	1,400	1,400	1,300	1,200	1,400	1,300	1,300	1,400	1,300	
2.5–3.0	4,400	4,600	4,500	4,100	3,900	4,300	4,000	3,900	3,800	3,700	3,400	3,200	3,400	3,400	3,400	3,300	3,100	2,800	2,700	2,800	2,700	2,500	2,400	2,400	
3.5–4.0	4,100	4,300	4,300	4,200	4,000	4,100	4,300	4,100	3,800	3,900	4,000	3,500	3,700	4,000	3,700	3,800	3,700	3,500	3,300	3,400	3,500	3,000	2,900	3,100	
4.5–5.0	4,100	4,100	4,100	3,900	3,900	3,900	4,500	4,500	4,000	3,900	3,900	3,800	4,200	4,300	4,200	4,000	3,900	4,100	3,900	3,800	4,100	3,900	3,900	3,600	
5.5–6.0 (High)	2,200	2,300	2,300	2,200	2,300	2,200	2,600	2,700	2,200	2,200	2,100	2,100	2,400	2,500	2,600	2,300	2,300	2,300	2,100	2,200	2,700	2,600	2,400	2,300	
Race/Ethnicity (2-year average) ^a																									
White	—	21,900	22,000	20,900	19,800	20,200	21,400	21,300	19,800	18,900	18,600	17,600	18,400	20,400	20,500	19,500	18,300	17,300	16,400	16,000	16,700	16,300	14,800	13,100	
African American	—	4,200	4,800	5,500	5,600	5,300	4,700	4,900	5,000	4,800	4,500	4,500	4,400	3,900	3,800	4,000	3,900	4,000	4,100	4,000	3,700	3,500	3,500	4,100	
Hispanic	—	3,400	3,600	4,000	4,000	4,000	4,200	4,100	4,100	4,000	4,100	3,900	3,400	3,200	3,600	4,700	5,400	5,100	4,700	5,000	5,200	5,200	5,500	5,700	

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately. Look under Notes in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, the entire sample received the question.

^aNs for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates.

See appendix B for details on how race/ethnicity is defined.

TABLE S2
Approximate Weighted Ns by Subgroups in Grade 10

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total	14,800	14,800	15,300	15,800	17,000	15,600	15,500	15,000	13,600	14,300	14,000	14,300	15,800	16,400	16,200	16,200	16,100	15,100	15,900	15,200	14,900	15,000	12,900	13,000
Gender																								
Male	7,200	7,000	7,300	7,700	8,300	7,500	7,400	7,100	6,300	6,800	6,600	6,900	7,500	7,900	7,900	7,900	7,800	7,000	7,600	7,200	7,200	7,200	6,100	6,200
Female	7,400	7,400	7,800	7,900	8,400	7,800	7,800	7,700	7,000	7,200	7,100	7,100	8,000	8,300	8,000	8,000	7,900	7,700	8,000	7,700	7,400	7,500	6,500	6,400
College Plans																								
None or under 4 years	2,600	2,400	2,500	2,700	2,500	2,300	2,200	2,200	1,900	1,900	1,900	2,000	2,100	1,900	1,800	1,800	1,800	1,600	1,500	1,600	1,500	1,300	1,300	1,200
Complete 4 years	11,900	12,000	12,400	12,800	14,200	13,000	13,000	12,500	11,500	12,100	11,900	12,100	13,400	14,300	14,100	14,100	14,000	13,200	14,100	13,400	13,200	13,400	11,400	11,500
Region																								
Northeast	2,700	3,000	2,900	3,100	3,300	3,100	3,300	3,100	3,000	2,800	2,700	2,600	3,400	3,600	3,500	3,200	3,200	2,800	3,400	3,000	2,600	2,900	2,400	2,500
Midwest	3,700	3,800	4,800	4,700	4,400	3,900	3,900	3,600	3,100	3,700	4,100	3,700	4,000	4,600	4,500	4,300	3,900	3,600	3,700	3,700	3,800	3,800	3,200	3,000
South	4,900	5,000	4,900	5,200	6,100	5,600	5,500	5,200	4,700	5,000	5,000	5,100	4,900	4,900	5,000	5,300	5,100	4,800	5,200	5,200	5,100	4,900	4,100	4,400
West	3,500	3,000	2,700	2,800	3,200	3,000	2,800	3,100	2,800	2,800	2,200	2,900	3,500	3,300	3,200	3,400	3,900	3,900	3,600	3,300	3,400	3,400	3,200	3,100
Population Density																								
Large MSA	3,400	3,700	3,500	4,100	4,700	4,300	4,300	4,300	3,700	4,000	3,900	4,300	4,900	5,000	4,900	5,100	5,200	4,700	5,200	5,200	4,900	4,700	3,800	4,500
Other MSA	7,400	7,300	7,600	7,500	8,200	7,500	7,300	7,000	6,700	6,700	6,700	6,800	7,800	7,800	7,600	7,900	7,600	7,300	7,300	6,600	6,600	7,100	6,400	6,000
Non-MSA	4,000	3,800	4,200	4,200	4,100	3,800	3,900	3,700	3,200	3,600	3,400	3,200	3,100	3,600	3,700	3,200	3,300	3,100	3,400	3,400	3,400	3,200	2,700	2,500
Parental Education																								
1.0–2.0 (Low)	1,300	1,300	1,300	1,300	1,200	1,100	1,300	1,300	1,100	1,200	1,200	1,300	1,200	1,300	1,100	1,100	1,200	1,300	1,300	1,400	1,200	1,100	1,100	1,100
2.5–3.0	3,900	3,900	4,100	4,100	4,100	3,600	3,700	3,700	3,200	3,200	3,200	3,300	3,500	3,400	3,200	3,200	3,300	3,000	3,000	3,000	3,000	2,600	2,400	2,300
3.5–4.0	3,900	3,900	4,100	4,300	4,600	4,300	4,100	4,000	3,600	3,700	3,700	3,700	4,200	4,200	4,100	4,300	4,400	3,800	4,000	3,800	3,900	3,800	3,100	3,100
4.5–5.0	3,500	3,400	3,500	3,700	4,000	3,900	3,700	3,500	3,300	3,500	3,400	3,500	3,900	4,300	4,400	4,500	4,300	4,000	4,300	3,900	3,800	4,100	3,500	3,600
5.5–6.0 (High)	1,800	1,700	1,700	1,800	2,300	1,900	1,900	1,800	1,700	1,900	1,800	1,700	2,100	2,400	2,400	2,300	2,100	2,000	2,400	2,200	2,000	2,500	2,000	2,100
Race/Ethnicity (2-year average) ^a																								
White	—	19,600	20,700	22,000	22,900	22,400	20,900	19,800	18,400	18,200	18,600	18,000	18,500	19,900	20,400	21,100	20,800	18,300	17,900	18,400	17,600	17,600	16,000	13,900
African American	—	3,900	3,600	3,300	3,300	3,100	3,200	3,600	3,600	3,100	2,800	3,400	4,600	4,600	4,300	3,900	3,400	3,600	3,600	3,400	3,200	3,100	2,900	2,900
Hispanic	—	2,600	2,700	2,800	2,900	3,000	3,200	3,500	3,200	3,100	3,400	3,600	3,600	3,500	3,500	3,300	3,800	4,500	4,500	4,600	4,500	4,100	4,100	4,300

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately. Look under Notes in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, the entire sample received the question.

^aNs for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates.

See appendix B for details on how race/ethnicity is defined.

TABLE S3
Approximate Weighted Ns by Subgroups in Grade 12

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	→ (Years cont.)
Total	9,400	15,400	17,100	17,800	15,500	15,900	17,500	17,700	16,300	15,900	16,000	15,200	16,300	16,300	16,700	15,200	15,000	15,800	16,300	15,400	
Gender																					
Male	4,300	6,900	7,100	8,500	7,500	7,500	8,400	8,500	7,800	7,600	7,600	7,100	7,700	7,700	8,000	7,700	7,400	7,400	7,500	6,900	
Female	5,200	7,000	7,600	9,000	8,000	7,800	8,600	8,600	8,000	7,800	8,000	7,700	8,200	8,200	8,300	7,100	7,200	7,900	8,200	8,000	
College Plans																					
None or under 4 years	—	6,500	6,700	8,100	6,800	6,300	6,700	7,200	6,300	5,900	5,600	5,100	5,000	4,700	4,800	4,200	4,000	3,700	3,700	3,400	
Complete 4 years	—	6,800	7,200	8,600	8,000	8,500	9,700	9,200	8,800	8,900	9,300	9,100	10,300	10,600	11,000	10,100	10,300	11,200	11,600	11,100	
Region																					
Northeast	2,200	3,400	3,700	4,400	3,800	3,600	4,100	4,600	3,900	3,200	3,700	3,600	3,500	3,200	3,200	3,300	2,800	2,800	2,700	2,700	
Midwest	2,900	4,500	4,600	5,200	4,800	4,700	5,300	5,200	4,600	4,500	4,400	4,300	4,400	4,300	4,500	4,200	4,000	4,400	4,600	4,000	
South	3,000	4,300	4,600	6,000	4,800	4,800	5,300	5,300	5,200	5,300	4,900	4,700	5,200	5,600	6,100	5,000	5,100	5,600	5,800	5,700	
West	1,400	2,200	2,200	2,500	2,600	2,700	2,800	2,600	2,600	2,900	3,000	2,600	3,200	3,200	2,900	2,700	3,100	3,000	3,200	3,000	
Population Density																					
Large MSA	2,100	3,700	4,000	4,600	4,000	3,900	4,500	4,800	4,200	4,100	4,200	3,700	4,200	4,400	4,000	3,800	3,600	3,600	3,700	4,300	
Other MSA	4,000	5,700	6,200	8,000	6,800	6,700	7,100	7,300	6,800	6,900	6,900	7,000	8,000	7,700	8,800	7,700	7,200	8,200	7,800	7,100	
Non-MSA	3,400	5,000	4,900	5,500	5,200	5,200	5,900	5,600	5,300	4,900	4,900	4,500	4,100	4,200	3,900	3,700	4,200	4,000	4,800	4,000	
Parental Education																					
1.0–2.0 (Low)	1,700	2,200	2,600	3,100	2,500	2,300	2,400	2,700	2,200	1,900	1,800	1,800	1,700	1,600	1,700	1,600	1,500	1,400	1,600	1,400	
2.5–3.0	3,000	4,300	5,400	6,200	5,600	5,300	5,800	5,900	5,500	5,100	5,100	4,600	4,500	4,500	4,600	4,300	4,100	4,100	4,300	3,700	
3.5–4.0	1,600	2,500	3,200	4,000	3,600	3,600	4,200	4,200	3,900	4,000	4,000	3,800	4,300	4,400	4,500	4,100	4,200	4,600	4,500	4,300	
4.5–5.0	1,100	1,600	2,200	2,800	2,600	2,700	3,100	2,900	2,800	2,900	3,000	2,900	3,400	3,500	3,500	3,100	3,100	3,400	3,600	3,500	
5.5–6.0 (High)	440	710	1,100	1,200	1,200	1,300	1,500	1,300	1,200	1,400	1,500	1,500	1,800	1,900	1,700	1,600	1,500	1,700	1,700	1,800	
Race/Ethnicity (2-year average) ^a																					
White	—	—	23,400	26,500	27,500	25,600	26,300	27,300	26,200	24,700	24,200	23,600	23,800	24,200	24,000	23,400	21,900	21,500	22,000	21,800	
African American	—	—	3,300	3,700	3,500	3,500	4,000	4,000	3,900	4,000	4,000	3,500	3,200	3,600	3,900	3,500	3,200	3,900	4,200	3,600	
Hispanic	—	—	890	1,000	940	740	930	1,300	1,300	1,200	1,200	1,500	1,900	2,100	2,400	2,500	2,400	2,600	2,900	3,100	

(Table continued on next page.)

TABLE S3 (cont.)
Approximate Weighted Ns by Subgroups in Grade 12

	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Total	15,400	14,300	15,400	15,200	13,600	12,800	12,800	12,900	14,600	14,600	14,700	14,200	14,500	14,000	13,700	14,400	14,100	13,700	12,600	12,400
Gender:																				
Male	7,200	6,700	7,100	7,100	6,300	5,800	5,800	5,800	6,600	6,800	6,800	6,600	6,500	6,400	6,300	6,700	6,800	6,600	5,900	5,700
Female	7,800	7,100	7,700	7,500	6,700	6,400	6,500	6,600	7,400	7,200	7,300	7,100	7,400	6,900	6,700	7,100	6,700	6,600	6,100	6,100
College Plans																				
None or under 4 years	3,300	2,600	3,200	3,100	2,800	2,600	2,500	2,400	2,800	2,800	2,600	2,500	2,400	2,300	2,100	2,100	2,100	2,100	2,200	2,000
Complete 4 years	11,200	10,800	11,000	11,100	10,200	9,300	9,600	9,700	11,100	11,000	11,300	11,000	11,300	10,800	10,800	11,300	11,200	10,900	9,700	9,600
Region																				
Northeast	2,800	3,000	3,300	2,800	2,500	2,500	2,400	2,500	3,100	3,100	2,900	2,600	2,700	2,400	2,600	2,700	2,400	2,300	2,200	2,400
Midwest	4,300	3,800	4,100	3,800	3,600	3,100	3,700	3,300	3,600	3,800	3,600	3,500	3,200	3,500	3,500	3,200	3,400	3,600	3,100	2,500
South	5,400	5,100	5,300	5,700	4,900	4,500	4,100	4,300	4,900	5,000	5,200	5,200	5,500	5,000	4,800	5,400	5,100	4,400	4,300	4,700
West	2,900	2,400	2,700	2,900	2,600	2,700	2,600	2,800	3,000	2,700	3,000	2,900	3,100	3,100	2,800	3,100	3,200	3,400	3,000	2,800
Population Density																				
Large MSA	4,400	3,400	4,100	4,300	3,800	3,800	3,800	4,000	4,600	4,200	4,300	4,700	4,700	3,700	3,900	4,200	4,300	4,300	3,800	3,500
Other MSA	7,000	7,000	7,500	7,500	6,200	5,800	5,800	5,900	6,500	6,800	7,000	6,200	6,600	7,100	6,900	7,300	6,900	6,700	6,200	6,300
Non-MSA	4,000	3,900	3,800	3,400	3,600	3,200	3,200	3,000	3,500	3,600	3,400	3,300	3,200	3,200	2,900	2,900	2,900	2,700	2,600	2,600
Parental Education																				
1.0–2.0 (Low)	1,200	1,100	1,300	1,200	960	860	1,000	980	1,200	1,000	1,100	1,100	1,100	1,200	1,400	1,400	1,200	1,200	1,200	1,200
2.5–3.0	3,700	3,300	3,600	3,700	3,200	3,000	2,900	2,800	3,400	3,400	3,200	3,100	3,200	3,000	2,900	3,000	2,800	2,800	2,500	2,400
3.5–4.0	4,400	3,800	4,100	4,300	3,900	3,600	3,600	3,800	4,200	4,000	3,900	4,000	4,200	3,900	3,700	4,000	3,900	3,700	3,500	3,400
4.5–5.0	3,700	3,500	3,500	3,300	3,200	3,100	3,200	3,100	3,400	3,600	3,600	3,600	3,600	3,500	3,300	3,500	3,600	3,600	3,300	3,200
5.5–6.0 (High)	1,800	2,100	2,100	2,000	1,800	1,600	1,600	1,500	1,800	2,000	2,100	1,900	1,800	1,700	1,600	1,600	1,900	1,800	1,500	1,300
Race/Ethnicity (2-year average) ^a																				
White	21,600	20,700	19,800	20,200	19,500	17,700	16,200	16,300	17,800	19,600	19,600	18,600	18,200	17,300	16,300	16,400	16,500	16,300	15,600	14,100
African American	3,300	3,200	3,600	3,700	3,400	3,300	3,100	2,900	3,000	3,200	3,000	3,000	3,200	3,500	3,100	3,000	3,400	3,200	2,700	2,800
Hispanic	2,700	2,600	2,800	3,000	2,500	2,200	2,600	3,100	3,100	2,800	2,900	3,500	3,700	4,000	4,400	4,500	4,000	3,700	3,900	4,000

Source. The Monitoring the Future study, the University of Michigan.

Notes. '—' indicates data not available. See appendix B for definition of variables in table.

Caution: The Ns in this table are based on the entire sample at each grade level. Some drug use questions are asked only in some of the questionnaire forms rather than in all, in which case these Ns need to be adjusted appropriately. Look under Notes in each table to see if only a fraction of the sample was asked about that drug. If there is no such indication, the entire sample received the question.

^aNs for each racial subgroup represent the combination of the specified year and the previous year. Data have been combined to increase subgroup sample sizes and thus provide more stable estimates.

See appendix B for details on how race/ethnicity is defined.

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