

Table 10.8C Received Mental Health Services in Past Year among Persons Aged 18 or Older, by Geographic and Socioeconomic Characteristics: Standard Errors of Numbers in Thousands, 2002-2018

| Geographic/Socioeconomic Characteristic | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTAL | 570 | 561 | 554 | 573 | 578 | 605 | 646 | 603 | 616 | 594 | 653 | 674 | 541 | 552 | 557 | 608 | 591 |
| GEOGRAPHIC REGION | | | | | | | | | | | | | | | | | |
| Northeast | 247 | 254 | 250 | 251 | 227 | 266 | 293 | 247 | 267 | 262 | 250 | 285 | 248 | 244 | 245 | 243 | 262 |
| Midwest | 241 | 215 | 217 | 231 | 223 | 233 | 240 | 246 | 233 | 237 | 244 | 293 | 240 | 249 | 251 | 237 | 260 |
| South | 355 | 341 | 341 | 350 | 378 | 397 | 392 | 407 | 389 | 384 | 418 | 421 | 352 | 332 | 321 | 367 | 345 |
| West | 277 | 299 | 285 | 280 | 296 | 313 | 354 | 308 | 355 | 299 | 362 | 347 | 261 | 279 | 291 | 317 | 310 |
| COUNTY TYPE¹ | | | | | | | | | | | | | | | | | |
| Large Metro | 470 | 479 | 468 | 470 | 501 | 498 | 588 | 533 | 538 | 512 | 551 | 608 | 479 | 469 | 518 | 552 | 536 |
| Small Metro | 338 | 413 | 346 | 355 | 322 | 399 | 401 | 394 | 395 | 396 | 428 | 439 | 354 | 354 | 368 | 355 | 396 |
| Nonmetro | 224 | 234 | 237 | 230 | 257 | 267 | 263 | 232 | 258 | 235 | 273 | 275 | 241 | 205 | 224 | 225 | 256 |
| Urbanized | 181 | 157 | 160 | 140 | 158 | 172 | 164 | 139 | 174 | 143 | 185 | 206 | 172 | 148 | 136 | 166 | 185 |
| Less Urbanized | 157 | 177 | 154 | 170 | 195 | 197 | 202 | 178 | 169 | 192 | 191 | 183 | 173 | 141 | 182 | 156 | 161 |
| Completely Rural | 55 | 81 | 80 | 77 | 93 | 65 | 61 | 88 | 106 | 44 | 80 | 76 | 82 | 87 | 73 | 81 | 102 |
| POVERTY LEVEL² | | | | | | | | | | | | | | | | | |
| Less Than 100% | 199 | 214 | 215 | 246 | 192 | 232 | 230 | 202 | 247 | 250 | 281 | 286 | 243 | 211 | 228 | 264 | 232 |
| 100-199% | 255 | 276 | 248 | 234 | 251 | 277 | 326 | 284 | 307 | 266 | 308 | 293 | 257 | 248 | 284 | 250 | 239 |
| 200% or More | 540 | 542 | 512 | 508 | 542 | 561 | 613 | 585 | 581 | 587 | 615 | 645 | 480 | 528 | 497 | 536 | 567 |
| EDUCATION | | | | | | | | | | | | | | | | | |
| < High School | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 178 | 187 | 187 | 177 |
| High School Graduate | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 280 | 284 | 272 | 279 |
| Some College/Associate's Degree | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 337 | 347 | 371 | 363 |
| College Graduate | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 367 | 375 | 417 | 437 |
| HEALTH INSURANCE³ | | | | | | | | | | | | | | | | | |
| Private | 502 | 556 | 509 | 496 | 532 | 541 | 633 | 546 | 563 | 563 | 596 | 628 | 488 | 497 | 503 | 555 | 561 |
| Medicaid/CHIP | 192 | 217 | 217 | 257 | 209 | 263 | 237 | 236 | 260 | 245 | 256 | 277 | 262 | 234 | 276 | 284 | 235 |
| Other ⁴ | -- | 334 | 329 | 352 | 325 | 367 | 425 | 388 | 394 | 362 | 430 | 455 | 378 | 360 | 373 | 381 | 383 |
| No Coverage | 188 | 165 | 146 | 158 | 167 | 180 | 180 | 187 | 210 | 196 | 215 | 229 | 150 | 109 | 109 | 136 | 120 |

* = low precision; -- = not available; da = does not apply; nc = not comparable due to methodological changes; nr = not reported due to measurement issues.

NOTE: Some 2006 to 2010 estimates may differ from previously published estimates due to updates (see Section 3.3.5 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*).

NOTE: Mental Health Services for adults includes inpatient treatment/counseling, outpatient treatment/counseling, or use of prescription medication for problems with emotions, nerves, or mental health. Respondents with unknown mental health service information were excluded.

NOTE: Because of revisions in 2004 to the logical editing of the outpatient mental health services data, these 2002 and 2003 estimates may differ from estimates published prior to the 2004 NSDUH.

¹ Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2002 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

² Respondents aged 18 to 22 who were living in a college dormitory were excluded.

³ Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

⁴ Other Health Insurance is defined as having Medicare, military-related health care, or any other type of health insurance.

Definitions: Measures and terms are defined in Appendix A.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002-2018.

Table 10.8D Received Mental Health Services in Past Year among Persons Aged 18 or Older, by Geographic and Socioeconomic Characteristics: Standard Errors of Percentages, 2002-2018

| Geographic/Socioeconomic Characteristic | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTAL | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.27 | 0.29 | 0.27 | 0.27 | 0.26 | 0.28 | 0.28 | 0.23 | 0.23 | 0.23 | 0.25 | 0.24 |
| GEOGRAPHIC REGION | | | | | | | | | | | | | | | | | |
| Northeast | 0.61 | 0.62 | 0.61 | 0.61 | 0.55 | 0.64 | 0.70 | 0.59 | 0.63 | 0.62 | 0.58 | 0.66 | 0.57 | 0.56 | 0.56 | 0.55 | 0.60 |
| Midwest | 0.51 | 0.45 | 0.45 | 0.47 | 0.46 | 0.47 | 0.49 | 0.50 | 0.47 | 0.47 | 0.48 | 0.58 | 0.47 | 0.49 | 0.49 | 0.46 | 0.50 |
| South | 0.47 | 0.45 | 0.44 | 0.45 | 0.48 | 0.49 | 0.48 | 0.49 | 0.46 | 0.45 | 0.48 | 0.48 | 0.40 | 0.37 | 0.35 | 0.40 | 0.37 |
| West | 0.59 | 0.63 | 0.59 | 0.57 | 0.59 | 0.61 | 0.68 | 0.59 | 0.67 | 0.56 | 0.66 | 0.63 | 0.47 | 0.49 | 0.51 | 0.55 | 0.53 |
| COUNTY TYPE¹ | | | | | | | | | | | | | | | | | |
| Large Metro | 0.38 | 0.36 | 0.36 | 0.36 | 0.36 | 0.40 | 0.41 | 0.37 | 0.39 | 0.36 | 0.37 | 0.40 | 0.31 | 0.31 | 0.33 | 0.36 | 0.35 |
| Small Metro | 0.47 | 0.51 | 0.45 | 0.49 | 0.45 | 0.50 | 0.52 | 0.51 | 0.47 | 0.44 | 0.51 | 0.52 | 0.41 | 0.41 | 0.42 | 0.40 | 0.45 |
| Nonmetro | 0.62 | 0.59 | 0.68 | 0.60 | 0.66 | 0.66 | 0.70 | 0.59 | 0.69 | 0.57 | 0.65 | 0.70 | 0.53 | 0.55 | 0.50 | 0.53 | 0.54 |
| Urbanized | 1.13 | 0.94 | 1.00 | 0.95 | 1.09 | 1.08 | 1.09 | 0.85 | 1.04 | 0.92 | 1.04 | 1.12 | 0.82 | 0.81 | 0.68 | 0.87 | 0.87 |
| Less Urbanized | 0.87 | 0.91 | 0.86 | 0.88 | 0.86 | 0.94 | 1.05 | 0.86 | 0.88 | 0.83 | 0.93 | 1.03 | 0.80 | 0.80 | 0.77 | 0.71 | 0.73 |
| Completely Rural | 1.37 | 2.03 | 2.48 | 1.60 | 2.09 | 1.44 | 1.69 | 2.18 | 2.75 | 1.30 | 1.84 | 1.71 | 1.84 | 1.76 | 1.61 | 1.70 | 2.00 |
| POVERTY LEVEL² | | | | | | | | | | | | | | | | | |
| Less Than 100% | 0.87 | 0.83 | 0.81 | 0.87 | 0.70 | 0.83 | 0.82 | 0.66 | 0.75 | 0.68 | 0.70 | 0.72 | 0.60 | 0.53 | 0.57 | 0.66 | 0.59 |
| 100-199% | 0.60 | 0.61 | 0.59 | 0.53 | 0.56 | 0.64 | 0.72 | 0.61 | 0.60 | 0.54 | 0.61 | 0.57 | 0.50 | 0.48 | 0.51 | 0.48 | 0.47 |
| 200% or More | 0.33 | 0.31 | 0.31 | 0.31 | 0.32 | 0.33 | 0.34 | 0.34 | 0.33 | 0.33 | 0.35 | 0.36 | 0.27 | 0.29 | 0.28 | 0.29 | 0.30 |
| EDUCATION | | | | | | | | | | | | | | | | | |
| < High School | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.50 | 0.55 | 0.54 |
| High School Graduate | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.42 | 0.42 | 0.42 |
| Some College/Associate's Degree | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.41 | 0.40 | 0.43 |
| College Graduate | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.44 | 0.43 | 0.46 |
| HEALTH INSURANCE³ | | | | | | | | | | | | | | | | | |
| Private | 0.30 | 0.33 | 0.30 | 0.30 | 0.31 | 0.32 | 0.36 | 0.32 | 0.33 | 0.32 | 0.34 | 0.35 | 0.28 | 0.27 | 0.27 | 0.30 | 0.29 |
| Medicaid/CHIP | 1.08 | 1.18 | 1.18 | 1.20 | 1.11 | 1.20 | 1.16 | 1.07 | 1.05 | 0.93 | 1.05 | 0.99 | 0.75 | 0.62 | 0.69 | 0.68 | 0.60 |
| Other ⁴ | -- | 0.68 | 0.66 | 0.67 | 0.63 | 0.70 | 0.74 | 0.67 | 0.66 | 0.60 | 0.66 | 0.69 | 0.56 | 0.51 | 0.51 | 0.51 | 0.52 |
| No Coverage | 0.63 | 0.51 | 0.45 | 0.48 | 0.48 | 0.50 | 0.50 | 0.49 | 0.53 | 0.50 | 0.55 | 0.57 | 0.47 | 0.42 | 0.45 | 0.56 | 0.48 |

* = low precision; -- = not available; da = does not apply; nc = not comparable due to methodological changes; nr = not reported due to measurement issues.

NOTE: Some 2006 to 2010 estimates may differ from previously published estimates due to updates (see Section 3.3.5 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*).

NOTE: Mental Health Services for adults includes inpatient treatment/counseling, outpatient treatment/counseling, or use of prescription medication for problems with emotions, nerves, or mental health. Respondents with unknown mental health service information were excluded.

NOTE: Because of revisions in 2004 to the logical editing of the outpatient mental health services data, these 2002 and 2003 estimates may differ from estimates published prior to the 2004 NSDUH.

¹ Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2002 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

² Respondents aged 18 to 22 who were living in a college dormitory were excluded.

³ Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

⁴ Other Health Insurance is defined as having Medicare, military-related health care, or any other type of health insurance.

Definitions: Measures and terms are defined in Appendix A.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002-2018.

Table 10.8P Received Mental Health Services in Past Year among Persons Aged 18 or Older, by Geographic and Socioeconomic Characteristics: P Values from Tests of Differences of Percentages, 2018 Versus 2002-2017

| Geographic/Socioeconomic Characteristic | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|
| TOTAL | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0001 | 0.2183 | 0.3289 | 0.6213 | 0.0149 | 0.0627 | 0.5833 | |
| GEOGRAPHIC REGION | | | | | | | | | | | | | | | | | |
| Northeast | 0.0003 | 0.0002 | 0.0000 | 0.0005 | 0.0000 | 0.0243 | 0.0008 | 0.0000 | 0.0192 | 0.0009 | 0.0015 | 0.1275 | 0.1165 | 0.1031 | 0.2922 | 0.0347 | |
| Midwest | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0018 | 0.0256 | 0.1730 | 0.1792 | 0.0037 | 0.3205 | 0.4333 | |
| South | 0.0603 | 0.4910 | 0.0264 | 0.2224 | 0.1094 | 0.3854 | 0.1556 | 0.9938 | 0.3438 | 0.5577 | 0.0701 | 0.7617 | 0.1873 | 0.8804 | 0.9482 | 0.3927 | |
| West | 0.3276 | 0.0059 | 0.0718 | 0.0010 | 0.0197 | 0.0198 | 0.6936 | 0.0461 | 0.4840 | 0.0993 | 0.6967 | 0.9910 | 0.8411 | 0.4629 | 0.0487 | 0.9402 | |
| COUNTY TYPE¹ | | | | | | | | | | | | | | | | | |
| Large Metro | 0.0074 | 0.0052 | 0.0001 | 0.0001 | 0.0003 | 0.0012 | 0.0482 | 0.0043 | 0.0589 | 0.0070 | 0.5967 | 0.7968 | 0.9254 | 0.5620 | 0.8153 | 0.7122 | |
| Small Metro | 0.0000 | 0.0001 | 0.0001 | 0.0003 | 0.0000 | 0.0012 | 0.0006 | 0.0020 | 0.0056 | 0.0175 | 0.1321 | 0.0859 | 0.2442 | 0.0266 | 0.0369 | 0.3729 | |
| Nonmetro | 0.0009 | 0.0269 | 0.0021 | 0.0465 | 0.2337 | 0.4164 | 0.0618 | 0.0900 | 0.2192 | 0.0865 | 0.9219 | 0.4634 | 0.8219 | 0.0151 | 0.1459 | 0.2711 | |
| Urbanized | 0.4988 | 0.0979 | 0.0627 | 0.1585 | 0.3343 | 0.8817 | 0.4827 | 0.0089 | 0.4703 | 0.1034 | 0.8449 | 0.4311 | 0.6795 | 0.2042 | 0.0437 | 0.2875 | |
| Less Urbanized | 0.0183 | 0.5399 | 0.0339 | 0.6180 | 0.9091 | 0.8928 | 0.3949 | 0.6347 | 0.4401 | 0.6736 | 0.7076 | 0.6046 | 0.2408 | 0.1061 | 0.6270 | 0.8240 | |
| Completely Rural | 0.0002 | 0.0776 | 0.1583 | 0.0488 | 0.2479 | 0.0046 | 0.0109 | 0.3879 | 0.5523 | 0.0035 | 0.1915 | 0.0847 | 0.4328 | 0.1703 | 0.1796 | 0.6998 | |
| POVERTY LEVEL² | | | | | | | | | | | | | | | | | |
| Less Than 100% | 0.8536 | 0.4503 | 0.7297 | 0.8587 | 0.0004 | 0.8704 | 0.1191 | 0.1394 | 0.2825 | 0.2000 | 0.2782 | 0.8110 | 0.9378 | 0.0013 | 0.2367 | 0.8660 | |
| 100-199% | 0.9955 | 0.6066 | 0.9154 | 0.5347 | 0.8557 | 0.4683 | 0.1549 | 0.6512 | 0.1722 | 0.1280 | 0.0657 | 0.1455 | 0.0004 | 0.3728 | 0.0030 | 0.0146 | |
| 200% or More | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0369 | 0.0472 | 0.0122 | 0.0404 | 0.0008 | 0.0523 | |
| EDUCATION | | | | | | | | | | | | | | | | | |
| < High School | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.2339 | 0.8500 | 0.7543 | |
| High School Graduate | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.2152 | 0.6202 | 0.4523 | |
| Some College/Associate's Degree | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.0925 | 0.2269 | 0.5502 | |
| College Graduate | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | nc | 0.0267 | 0.0370 | 0.2436 | |
| HEALTH INSURANCE³ | | | | | | | | | | | | | | | | | |
| Private | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0004 | 0.0000 | 0.0458 | 0.0843 | 0.0030 | 0.0282 | 0.0014 | 0.1378 | |
| Medicaid/CHIP | 0.6836 | 0.0023 | 0.0007 | 0.0000 | 0.0196 | 0.0001 | 0.0114 | 0.0001 | 0.0141 | 0.0016 | 0.0253 | 0.0002 | 0.0000 | 1.0000 | 0.0090 | 0.0055 | |
| Other ⁴ | -- | 0.0074 | 0.0013 | 0.0670 | 0.0123 | 0.6211 | 0.9066 | 0.1366 | 0.6886 | 0.4032 | 0.2000 | 0.6277 | 0.0002 | 0.6535 | 0.6197 | 0.6002 | |
| No Coverage | 0.0557 | 0.1889 | 0.4321 | 0.0541 | 0.3966 | 0.3796 | 0.1511 | 0.1424 | 0.1368 | 0.3393 | 0.0022 | 0.0087 | 0.0251 | 0.0739 | 0.6576 | 0.8770 | |

* = low precision; -- = not available; da = does not apply; nc = not comparable due to methodological changes; nr = not reported due to measurement issues.

NOTE: Some 2006 to 2010 estimates that are used in the comparisons may differ from previously published estimates due to updates (see Section 3.3.5 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*).

NOTE: Mental Health Services for adults includes inpatient treatment/counseling, outpatient treatment/counseling, or use of prescription medication for problems with emotions, nerves, or mental health. Respondents with unknown mental health service information were excluded.

NOTE: Because of revisions in 2004 to the logical editing of the outpatient mental health services data, the 2002 and 2003 estimates that are used in the comparisons may differ from estimates published prior to the 2004 NSDUH.

¹ Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, the 2002 to 2014 estimates that are used in the comparisons may differ from estimates published prior to the 2015 NSDUH.

² Respondents aged 18 to 22 who were living in a college dormitory were excluded.

³ Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

⁴ Other Health Insurance is defined as having Medicare, military-related health care, or any other type of health insurance.

Definitions: Measures and terms are defined in Appendix A.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2002-2018.