

**Table 10.10C Received Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Geographic and Socioeconomic Characteristics: Standard Errors of Numbers in Thousands, 2008-2018**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	507	467	510	452	490	558	423	429	455	442	470
<b>GEOGRAPHIC REGION</b>											
Northeast	235	193	205	200	191	218	179	179	184	182	192
Midwest	194	194	195	194	192	236	189	202	190	177	213
South	302	306	318	286	324	370	285	254	264	258	272
West	246	236	281	230	242	288	198	210	255	225	268
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	382	368	383	345	345	437	328	324	345	351	359
Small Metro	279	268	285	260	292	303	234	240	278	238	283
Nonmetro	202	154	186	166	185	234	184	154	168	175	158
Urbanized	120	95	105	101	104	175	118	106	94	121	108
Less Urbanized	158	111	128	125	131	153	138	106	137	120	101
Completely Rural	46	50	*	30	*	*	64	65	51	64	71
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	171	162	208	200	223	243	202	175	171	207	191
100-199%	241	215	231	208	219	228	203	181	214	187	179
200% or More	406	386	378	359	364	452	316	346	336	329	373
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	131	132	142	135
High School Graduate	nc	nc	nc	nc	nc	nc	nc	190	216	188	210
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	251	258	255	266
College Graduate	nc	nc	nc	nc	nc	nc	nc	229	239	247	276
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	427	365	375	357	355	413	313	330	337	329	372
Medicaid/CHIP	165	172	220	198	205	243	221	192	208	223	202
Other <sup>5</sup>	313	263	291	262	284	334	263	258	243	273	241
No Coverage	153	149	175	150	169	202	116	90	88	102	103

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

NOTE: Some 2008 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: Any Mental Illness (AMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. AMI estimates from 2008 to 2011 may differ from previously published estimates due to revised estimation procedures. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2008 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.10D Received Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Geographic and Socioeconomic Characteristics: Standard Errors of Percentages, 2008-2018**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	0.93	0.86	0.89	0.82	0.82	0.91	0.72	0.72	0.75	0.71	0.68
<b>GEOGRAPHIC REGION</b>											
Northeast	2.22	1.85	2.00	2.07	1.84	1.98	1.66	1.68	1.68	1.76	1.64
Midwest	1.54	1.57	1.57	1.49	1.54	1.72	1.41	1.41	1.51	1.27	1.40
South	1.64	1.58	1.62	1.44	1.44	1.65	1.23	1.19	1.17	1.18	1.13
West	2.04	1.91	1.98	1.78	1.76	2.01	1.49	1.49	1.59	1.48	1.49
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	1.34	1.24	1.28	1.23	1.14	1.26	1.02	1.01	1.03	1.01	0.98
Small Metro	1.64	1.55	1.56	1.32	1.45	1.52	1.23	1.21	1.34	1.15	1.23
Nonmetro	2.18	1.98	2.12	1.91	1.97	2.45	1.55	1.80	1.70	1.67	1.44
Urbanized	3.32	3.20	2.93	2.70	2.79	3.80	2.49	2.31	2.54	2.63	1.96
Less Urbanized	3.27	2.71	3.00	2.85	2.66	3.61	2.27	3.14	2.45	2.42	2.18
Completely Rural	5.67	5.75	*	5.84	*	*	5.45	5.02	5.36	4.33	5.37
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	2.03	1.80	2.08	1.83	1.77	1.83	1.57	1.49	1.49	1.64	1.53
100-199%	2.00	1.77	1.79	1.66	1.86	1.82	1.47	1.45	1.47	1.41	1.43
200% or More	1.22	1.19	1.16	1.13	1.14	1.24	0.99	0.98	0.98	0.94	0.91
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	1.90	2.04	2.13	2.01
High School Graduate	nc	nc	nc	nc	nc	nc	nc	1.41	1.49	1.43	1.46
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	1.14	1.21	1.07	1.12
College Graduate	nc	nc	nc	nc	nc	nc	nc	1.41	1.33	1.29	1.31
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	1.27	1.17	1.17	1.11	1.15	1.17	0.95	0.95	0.96	0.90	0.89
Medicaid/CHIP	2.40	2.15	2.54	2.24	2.27	2.11	1.67	1.58	1.53	1.50	1.50
Other <sup>5</sup>	2.59	2.33	2.17	2.07	1.82	2.24	1.66	1.59	1.78	1.78	1.70
No Coverage	1.65	1.63	1.80	1.61	1.70	2.04	1.52	1.57	1.62	1.79	1.66

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

NOTE: Some 2008 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: Any Mental Illness (AMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. AMI estimates from 2008 to 2011 may differ from previously published estimates due to revised estimation procedures. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2008 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.10P Received Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Geographic and Socioeconomic Characteristics: P Values from Tests of Differences of Percentages, 2018 Versus 2008-2017**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	0.0404	0.0045	0.3937	0.0182	0.0296	0.2191	0.1663	0.8007	0.8141	0.5049	
<b>GEOGRAPHIC REGION</b>											
Northeast	0.0981	0.0072	0.3211	0.9842	0.2508	0.5059	0.4626	0.8364	0.9519	0.2928	
Midwest	0.0254	0.0606	0.0707	0.1199	0.4556	0.5295	0.9749	0.9439	0.4536	0.6789	
South	0.7459	0.3833	0.7707	0.1543	0.5613	0.3678	0.1288	0.5390	0.8951	0.7938	
West	0.5308	0.3793	0.4184	0.1210	0.0513	0.8338	0.7980	0.9504	0.5271	0.6288	
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	0.1394	0.1327	0.9955	0.1460	0.1175	0.2178	0.1016	0.5505	0.6230	0.4409	
Small Metro	0.1081	0.0291	0.0808	0.1291	0.1388	0.8490	0.5926	0.3701	0.2026	0.8346	
Nonmetro	0.8857	0.1637	0.7756	0.1257	0.5809	0.2667	0.1782	0.5398	0.6924	0.8770	
Urbanized	0.2662	0.5624	0.1119	0.2931	0.8557	0.2161	0.1247	0.2655	0.6556	0.7577	
Less Urbanized	0.5835	0.0160	0.3191	0.4232	0.7316	0.6184	0.4331	0.2050	0.4161	0.7307	
Completely Rural	0.0606	0.7132	*	0.1298	*	*	0.3921	0.2867	0.5321	0.6972	
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	0.0700	0.0748	0.7722	0.0960	0.0893	0.9474	0.7952	0.0497	0.2205	0.6099	
100-199%	0.5938	0.9127	0.1739	0.1831	0.5832	0.1477	0.0263	0.3785	0.0451	0.0488	
200% or More	0.0503	0.0073	0.1075	0.0057	0.0432	0.4254	0.6543	0.7109	0.4786	0.0261	
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	0.8800	0.9829	0.3175	
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.3223	0.8404	0.9569	
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.6394	0.9663	0.9669	
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.6955	0.6910	0.0305	
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	0.1079	0.0003	0.2714	0.0205	0.0351	0.7053	0.5345	0.8649	0.1709	0.0087	
Medicaid/CHIP	0.3142	0.0137	0.1302	0.0726	0.4951	0.0029	0.0019	0.3813	0.0964	0.0313	
Other <sup>5</sup>	0.3453	0.4434	0.8968	0.6021	0.6614	0.2120	0.0085	0.0326	0.7927	0.2311	
No Coverage	0.5748	0.6076	0.1907	0.5025	0.2560	0.0185	0.4893	0.0134	0.2347	0.8466	

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

NOTE: Some 2008 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: Any Mental Illness (AMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. AMI estimates from 2008 to 2011 that are used in the comparisons may differ from previously published estimates due to revised estimation procedures. The mental illness estimates that are used in the comparisons are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates that are used in the comparisons are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, the 2008 to 2014 estimates that are used in the comparisons may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.12C Received Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Geographic and Socioeconomic Characteristics: Standard Errors of Numbers in Thousands, 2008-2018**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	262	275	302	260	262	333	254	235	258	264	258
<b>GEOGRAPHIC REGION</b>											
Northeast	117	106	112	100	104	118	102	101	107	99	102
Midwest	109	112	130	113	101	126	122	93	100	98	134
South	150	180	169	149	175	237	152	153	148	155	149
West	134	132	169	147	131	169	125	115	143	143	134
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	193	216	214	182	192	270	190	179	187	187	178
Small Metro	152	151	150	151	161	168	141	131	158	149	160
Nonmetro	90	89	144	99	94	116	96	92	77	121	96
Urbanized	*	54	*	62	59	*	58	56	46	83	64
Less Urbanized	*	59	81	74	71	88	74	68	60	79	57
Completely Rural	*	*	*	*	*	*	*	*	*	*	*
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	82	120	141	152	137	136	116	114	112	121	121
100-199%	132	109	120	113	130	133	120	102	129	112	112
200% or More	207	217	224	181	191	269	182	183	191	192	190
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	85	82	82	90
High School Graduate	nc	nc	nc	nc	nc	nc	nc	99	132	126	122
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	153	151	150	167
College Graduate	nc	nc	nc	nc	nc	nc	nc	124	123	128	123
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	211	174	220	163	173	227	166	177	192	181	194
Medicaid/CHIP	105	121	141	140	121	127	125	115	133	135	127
Other <sup>5</sup>	138	165	148	145	168	216	155	155	140	165	145
No Coverage	79	94	113	98	104	111	71	59	63	61	69

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

NOTE: Some 2008 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: Serious Mental Illness (SMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. Estimates of SMI are a subset of estimates of any mental illness (AMI) because SMI is limited to persons with AMI that resulted in serious functional impairment. SMI estimates from 2008 to 2011 may differ from previously published estimates due to revised estimation procedures. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2008 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.12D Received Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Geographic and Socioeconomic Characteristics: Standard Errors of Percentages, 2008-2018**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	1.76	1.68	1.67	1.70	1.65	1.78	1.33	1.33	1.34	1.27	1.24
<b>GEOGRAPHIC REGION</b>											
Northeast	3.91	3.46	3.65	4.02	3.89	3.17	3.17	3.40	3.05	3.32	2.90
Midwest	2.96	2.91	3.05	2.62	2.80	2.92	2.48	2.69	2.43	2.30	2.45
South	3.26	3.21	3.08	3.13	2.74	3.22	2.22	2.21	2.17	2.05	2.07
West	3.84	3.91	3.47	3.61	3.77	4.27	3.03	3.10	2.97	2.67	2.71
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	2.49	2.72	2.38	2.61	2.42	2.72	1.91	1.97	1.88	1.90	1.68
Small Metro	3.11	2.68	2.80	2.64	2.91	2.77	2.24	2.34	2.27	1.94	2.09
Nonmetro	4.23	3.33	4.27	3.43	3.60	3.78	2.92	3.22	2.98	2.67	3.08
Urbanized	*	5.22	*	5.72	4.82	*	3.95	4.67	4.79	4.26	4.93
Less Urbanized	*	4.92	5.51	4.82	4.94	4.43	4.64	4.77	4.15	3.62	4.20
Completely Rural	*	*	*	*	*	*	*	*	*	*	*
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	3.67	3.24	3.52	3.31	3.40	3.10	2.37	2.83	2.65	2.45	2.60
100-199%	3.73	3.50	3.59	3.32	3.53	3.49	2.53	2.90	2.57	2.18	2.86
200% or More	2.38	2.39	2.26	2.49	2.49	2.54	1.95	1.77	1.98	1.73	1.68
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	4.34	4.37	3.97	4.25
High School Graduate	nc	nc	nc	nc	nc	nc	nc	2.86	2.71	2.44	2.70
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	2.04	1.97	1.75	1.90
College Graduate	nc	nc	nc	nc	nc	nc	nc	2.63	2.43	2.44	2.57
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	2.43	2.39	2.17	2.55	2.52	2.57	1.90	1.81	1.90	1.67	1.68
Medicaid/CHIP	3.64	2.93	3.60	3.17	3.91	3.10	2.29	2.69	2.37	2.01	2.35
Other <sup>5</sup>	3.91	4.06	4.07	3.50	3.63	2.78	2.42	2.77	2.72	2.64	2.82
No Coverage	3.56	3.32	3.90	3.50	3.41	3.55	3.16	3.69	3.59	3.40	3.33

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

NOTE: Some 2008 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: Serious Mental Illness (SMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. Estimates of SMI are a subset of estimates of any mental illness (AMI) because SMI is limited to persons with AMI that resulted in serious functional impairment. SMI estimates from 2008 to 2011 may differ from previously published estimates due to revised estimation procedures. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2008 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.12P Received Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Geographic and Socioeconomic Characteristics: P Values from Tests of Differences of Percentages, 2018 Versus 2008-2017**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	0.4618	0.2430	0.1065	0.6984	0.5598	0.0444	0.0147	0.5233	0.6950	0.1399	
<b>GEOGRAPHIC REGION</b>											
Northeast	0.1735	0.2616	0.4466	0.8840	0.9300	0.0106	0.3633	0.5499	0.9935	0.7882	
Midwest	0.9109	0.6533	0.3088	0.5323	0.7145	0.4625	0.2075	0.8877	0.7071	0.6001	
South	0.3159	0.6849	0.5674	0.2215	0.4146	0.8572	0.4068	0.9713	0.8541	0.7213	
West	0.2270	0.2625	0.0288	0.0872	0.6962	0.0848	0.0821	0.5827	0.7866	0.0099	
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	0.5393	0.7565	0.2584	0.9463	0.5142	0.0487	0.0656	0.6030	0.4387	0.7000	
Small Metro	0.9465	0.1846	0.4734	0.7008	0.5901	0.6494	0.5547	0.7526	0.3545	0.3340	
Nonmetro	0.2848	0.4249	0.2864	0.8417	0.4947	0.3965	0.0322	0.7169	0.2043	0.0696	
Urbanized	*	0.3345	*	0.6131	0.1314	*	0.2473	0.3769	0.8802	0.2466	
Less Urbanized	*	0.9389	0.1907	0.2183	0.3859	0.0262	0.0225	0.1096	0.1015	0.0808	
Completely Rural	*	*	*	*	*	*	*	*	*	*	
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	0.4508	0.5076	0.9039	0.9192	0.3033	0.6517	0.4559	0.3861	0.8673	0.2923	
100-199%	0.3439	0.7213	0.7131	0.7391	0.7641	0.1046	0.0144	0.5929	0.2784	0.0333	
200% or More	0.4696	0.1551	0.0535	0.6564	0.8451	0.0317	0.2272	0.2494	0.9941	0.9587	
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	0.4360	0.5119	0.2337	
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.6514	0.2424	0.0764	
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.7920	0.3770	0.2332	
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.2826	0.2135	0.5159	
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	0.3480	0.8909	0.0327	0.5493	0.4553	0.1842	0.2612	0.4637	0.6019	0.6078	
Medicaid/CHIP	0.0786	0.0093	0.1552	0.0909	0.9526	0.0526	0.0092	0.9047	0.4037	0.0255	
Other <sup>5</sup>	0.7273	0.9209	0.2012	0.6330	0.2620	0.0540	0.1966	0.8897	0.9130	0.3366	
No Coverage	0.8265	0.1926	0.2985	0.7258	0.4138	0.4738	0.9666	0.4507	0.6353	0.1373	

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

NOTE: Some 2008 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: Serious Mental Illness (SMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. Estimates of SMI that are used in the comparisons are a subset of estimates of any mental illness (AMI) because SMI is limited to persons with AMI that resulted in serious functional impairment. SMI estimates from 2008 to 2011 that are used in the comparisons may differ from previously published estimates due to revised estimation procedures. The mental illness estimates that are used in the comparisons are based on a predictive model and are not direct measures of diagnostic status.

NOTE: Serious Mental Illness (SMI) aligns with DSM-IV criteria and is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder. Estimates of SMI that are used in the comparisons are a subset of estimates of any mental illness (AMI) because SMI is limited to persons with AMI that resulted in serious functional impairment. SMI estimates from 2008 to 2011 that are used in the comparisons may differ from previously published estimates due to revised estimation procedures. The mental illness estimates that are used in the comparisons are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates that are used in the comparisons are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, the 2008 to 2014 estimates that are used in the comparisons may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.14C Received Mental Health Services in Past Year among Persons Aged 18 or Older with No Past Year Mental Illness, by Geographic and Socioeconomic Characteristics: Standard Errors of Numbers in Thousands, 2008-2018**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	503	467	479	460	510	491	405	410	403	474	427
<b>GEOGRAPHIC REGION</b>											
Northeast	192	171	201	187	184	206	205	180	182	195	198
Midwest	173	185	183	184	187	207	181	169	205	186	193
South	311	309	291	298	328	298	246	242	244	309	265
West	306	239	265	241	290	257	184	216	181	240	198
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	408	346	366	344	398	383	321	321	339	378	338
Small Metro	271	269	267	264	265	292	228	231	217	234	229
Nonmetro	152	160	165	155	174	133	123	117	118	123	175
Urbanized	93	92	127	102	126	95	88	79	85	94	130
Less Urbanized	118	126	101	128	129	91	77	79	83	83	111
Completely Rural	29	63	33	30	37	38	40	44	38	36	48
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	144	126	136	132	163	144	118	109	145	142	124
100-199%	206	187	201	166	197	179	163	171	165	172	154
200% or More	443	404	422	421	452	431	346	353	345	402	386
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	116	136	120	119
High School Graduate	nc	nc	nc	nc	nc	nc	nc	190	182	188	170
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	225	215	253	235
College Graduate	nc	nc	nc	nc	nc	nc	nc	268	272	305	297
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	450	379	413	403	441	436	343	349	347	405	373
Medicaid/CHIP	158	154	140	138	136	124	130	125	168	160	126
Other <sup>5</sup>	300	282	277	252	307	293	276	245	269	256	285
No Coverage	88	105	105	118	133	125	85	65	66	93	57

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

NOTE: Some 2008 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: Respondents with no mental illness may still have received mental health services for a past disorder that is in partial or full remission or treatment for a disorder that was not included in the definition of mental illness or for other reasons. Mental illness estimates from 2008 to 2011 may differ from previously published estimates due to revised estimation procedures. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2008 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.14D Received Mental Health Services in Past Year among Persons Aged 18 or Older with No Past Year Mental Illness, by Geographic and Socioeconomic Characteristics: Standard Errors of Percentages, 2008-2018**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	0.25	0.24	0.24	0.22	0.25	0.24	0.19	0.20	0.19	0.23	0.20
<b>GEOGRAPHIC REGION</b>											
Northeast	0.55	0.48	0.56	0.49	0.49	0.57	0.54	0.48	0.49	0.52	0.53
Midwest	0.41	0.43	0.42	0.41	0.42	0.48	0.41	0.39	0.44	0.42	0.44
South	0.43	0.43	0.39	0.39	0.42	0.38	0.32	0.31	0.30	0.38	0.32
West	0.65	0.53	0.59	0.52	0.64	0.54	0.37	0.44	0.37	0.49	0.42
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	0.37	0.32	0.33	0.31	0.35	0.33	0.27	0.27	0.28	0.32	0.29
Small Metro	0.46	0.45	0.43	0.39	0.43	0.45	0.36	0.35	0.35	0.37	0.36
Nonmetro	0.53	0.53	0.59	0.51	0.55	0.44	0.40	0.41	0.38	0.39	0.52
Urbanized	0.82	0.74	0.99	0.87	0.95	0.70	0.64	0.60	0.63	0.66	0.88
Less Urbanized	0.80	0.81	0.72	0.78	0.84	0.66	0.54	0.59	0.52	0.53	0.71
Completely Rural	1.09	2.02	1.28	0.95	1.21	1.10	1.37	1.20	1.16	1.07	1.48
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	0.72	0.58	0.59	0.52	0.58	0.54	0.44	0.39	0.51	0.53	0.47
100-199%	0.60	0.52	0.52	0.43	0.53	0.47	0.43	0.43	0.40	0.43	0.39
200% or More	0.31	0.30	0.31	0.30	0.33	0.30	0.25	0.25	0.24	0.27	0.27
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	0.40	0.49	0.46	0.46
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.36	0.35	0.36	0.33
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.37	0.33	0.40	0.38
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.40	0.40	0.42	0.41
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	0.32	0.27	0.31	0.29	0.31	0.31	0.24	0.24	0.23	0.28	0.25
Medicaid/CHIP	1.13	1.06	0.89	0.79	0.83	0.72	0.59	0.48	0.63	0.58	0.48
Other <sup>5</sup>	0.64	0.61	0.59	0.52	0.61	0.57	0.53	0.43	0.46	0.43	0.48
No Coverage	0.33	0.36	0.34	0.39	0.45	0.42	0.36	0.32	0.35	0.49	0.30

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

NOTE: Some 2008 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: Respondents with no mental illness may still have received mental health services for a past disorder that is in partial or full remission or treatment for a disorder that was not included in the definition of mental illness or for other reasons. Mental illness estimates from 2008 to 2011 may differ from previously published estimates due to revised estimation procedures. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, these 2008 to 2014 estimates may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.

**Table 10.14P Received Mental Health Services in Past Year among Persons Aged 18 or Older with No Past Year Mental Illness, by Geographic and Socioeconomic Characteristics:  
P Values from Tests of Differences of Percentages, 2018 Versus 2008-2017**

Geographic/Socioeconomic Characteristic	2008 <sup>1</sup>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>TOTAL</b>	0.0304	0.0095	0.0109	0.0919	0.4556	0.1521	0.8466	0.1731	0.2685	0.8419	
<b>GEOGRAPHIC REGION</b>											
Northeast	0.0004	0.0001	0.0222	0.0013	0.0023	0.0508	0.0956	0.1226	0.3620	0.1783	
Midwest	0.0043	0.0048	0.0034	0.0830	0.2105	0.1193	0.4127	0.0068	0.9615	0.4768	
South	0.4238	0.2790	0.5642	0.6314	0.0122	0.6789	0.3197	0.7296	0.9101	0.3926	
West	0.1243	0.2714	0.8514	0.9639	0.1272	0.5973	0.4860	0.5731	0.0713	0.4056	
<b>COUNTY TYPE<sup>2</sup></b>											
Large Metro	0.7023	0.0335	0.1079	0.2973	0.3292	0.7750	0.7602	0.9934	0.8067	0.1317	
Small Metro	0.0460	0.2652	0.3041	0.3892	0.8445	0.4252	0.6554	0.4058	0.4193	0.5205	
Nonmetro	0.0159	0.2337	0.0282	0.1781	0.8404	0.0130	0.0554	0.0039	0.0099	0.0387	
Urbanized	0.1087	0.0033	0.1828	0.1110	0.5183	0.0247	0.0339	0.0137	0.1009	0.1068	
Less Urbanized	0.3126	0.1661	0.1902	0.6215	0.9901	0.5351	0.7140	0.1784	0.1763	0.3906	
Completely Rural	0.0261	0.5879	0.1007	0.0419	0.5291	0.0980	0.5283	0.2945	0.2005	0.2568	
<b>POVERTY LEVEL<sup>3</sup></b>											
Less Than 100%	0.8784	0.6285	0.7551	0.8370	0.9578	0.6030	0.9133	0.0933	0.4947	0.7462	
100-199%	0.2767	0.4459	0.4164	0.2877	0.1470	0.5680	0.0097	0.2595	0.0859	0.1451	
200% or More	0.0012	0.0004	0.0015	0.0187	0.8214	0.0403	0.1371	0.1570	0.0227	0.6088	
<b>EDUCATION</b>											
< High School	nc	nc	nc	nc	nc	nc	nc	0.2822	0.4032	0.9452	
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.0878	0.3676	0.0910	
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.3849	0.5809	0.8676	
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.1447	0.0625	0.5207	
<b>HEALTH INSURANCE<sup>4</sup></b>											
Private	0.0170	0.0004	0.0132	0.0405	0.6164	0.3630	0.1263	0.2409	0.0475	1.0000	
Medicaid/CHIP	0.0060	0.0029	0.0279	0.0021	0.0416	0.0351	0.0046	0.9667	0.0131	0.0115	
Other <sup>5</sup>	0.5748	0.1840	0.1432	0.0263	0.7782	0.2040	0.1284	0.2448	0.3291	0.1593	
No Coverage	0.1412	0.0031	0.0267	0.0032	0.0003	0.0171	0.0001	0.3053	0.0418	0.3233	

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

NOTE: Some 2008 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: Respondents with no mental illness may still have received mental health services for a past disorder that is in partial or full remission or treatment for a disorder that was not included in the definition of mental illness or for other reasons. Mental illness estimates from 2008 to 2011 that are used in the comparisons may differ from previously published estimates due to revised estimation procedures. The mental illness estimates that are used in the comparisons are based on a predictive model and are not direct measures of diagnostic status.

<sup>1</sup> The measures used to estimate mental illness in 2008 partially differ from the measures used in subsequent years; however, methodological analysis indicated that the estimates that are used in the comparisons are comparable. For details, see Section 3.4.7 in Chapter 3 of the *2018 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

<sup>2</sup> Because of the use of the 2013 Rural-Urban Continuum Codes in the creation of the county type variables, the 2008 to 2014 estimates that are used in the comparisons may differ from estimates published prior to the 2015 NSDUH.

<sup>3</sup> Respondents aged 18 to 22 who were living in a college dormitory were excluded.

<sup>4</sup> Respondents could indicate multiple types of health insurance; thus, these response categories are not mutually exclusive.

<sup>5</sup> 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, 2008-2018.