

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, 2008-2019

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	507	467	510	452	490	558	423	429	455	442	470	485
GEOGRAPHIC REGION												
Northeast	235	193	205	200	191	218	179	179	184	182	192	207
Midwest	194	194	195	194	192	236	189	202	190	177	213	213
South	302	306	318	286	324	370	285	254	264	258	272	274
West	246	236	281	230	242	288	198	210	255	225	268	256
COUNTY TYPE²												
Large Metro	382	368	383	345	345	437	328	324	345	351	359	396
Small Metro	279	268	285	260	292	303	234	240	278	238	283	254
Nonmetro	202	154	186	166	185	234	184	154	168	175	158	180
Urbanized	120	95	105	101	104	175	118	106	94	121	108	125
Less Urbanized	158	111	128	125	131	153	138	106	137	120	101	130
Completely Rural	46	50	*	30	*	*	64	65	51	64	71	50
POVERTY LEVEL³												
Less Than 100%	171	162	208	200	223	243	202	175	171	207	191	178
100-199%	241	215	231	208	219	228	203	181	214	187	179	220
200% or More	406	386	378	359	364	452	316	346	336	329	373	396
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	131	132	142	135	147
High School Graduate	nc	nc	nc	nc	nc	nc	nc	190	216	188	210	209
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	251	258	255	266	270
College Graduate	nc	nc	nc	nc	nc	nc	nc	229	239	247	276	289
HEALTH INSURANCE⁴												
Private	427	365	375	357	355	413	313	330	337	329	372	374
Medicaid/CHIP	165	172	220	198	205	243	221	192	208	223	202	228
Other ⁵	313	263	291	262	284	334	263	258	243	273	241	267
No Coverage	153	149	175	150	169	202	116	90	88	102	103	96

* = 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 *2019 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.

¹ 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 *2019 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

² 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.

³ Respondents aged 18 to 22 who were living in a college dormitory were excluded.

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

⁵ 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, 2008-2019.

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, 2008-2019

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0.93	0.86	0.89	0.82	0.82	0.91	0.72	0.72	0.75	0.71	0.68	0.65
GEOGRAPHIC REGION												
Northeast	2.22	1.85	2.00	2.07	1.84	1.98	1.66	1.68	1.68	1.76	1.64	1.62
Midwest	1.54	1.57	1.57	1.49	1.54	1.72	1.41	1.41	1.51	1.27	1.40	1.25
South	1.64	1.58	1.62	1.44	1.44	1.65	1.23	1.19	1.17	1.18	1.13	1.05
West	2.04	1.91	1.98	1.78	1.76	2.01	1.49	1.49	1.59	1.48	1.49	1.38
COUNTY TYPE²												
Large Metro	1.34	1.24	1.28	1.23	1.14	1.26	1.02	1.01	1.03	1.01	0.98	0.95
Small Metro	1.64	1.55	1.56	1.32	1.45	1.52	1.23	1.21	1.34	1.15	1.23	1.05
Nonmetro	2.18	1.98	2.12	1.91	1.97	2.45	1.55	1.80	1.70	1.67	1.44	1.65
Urbanized	3.32	3.20	2.93	2.70	2.79	3.80	2.49	2.31	2.54	2.63	1.96	2.57
Less Urbanized	3.27	2.71	3.00	2.85	2.66	3.61	2.27	3.14	2.45	2.42	2.18	2.42
Completely Rural	5.67	5.75	*	5.84	*	*	5.45	5.02	5.36	4.33	5.37	4.93
POVERTY LEVEL³												
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	1.46
100-199%	2.00	1.77	1.79	1.66	1.86	1.82	1.47	1.45	1.47	1.41	1.43	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	0.83
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	1.90	2.04	2.13	2.01	2.07
High School Graduate	nc	nc	nc	nc	nc	nc	nc	1.41	1.49	1.43	1.46	1.33
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	1.14	1.21	1.07	1.12	1.06
College Graduate	nc	nc	nc	nc	nc	nc	nc	1.41	1.33	1.29	1.31	1.19
HEALTH INSURANCE⁴												
Private	1.27	1.17	1.17	1.11	1.15	1.17	0.95	0.95	0.96	0.90	0.89	0.83
Medicaid/CHIP	2.40	2.15	2.54	2.24	2.27	2.11	1.67	1.58	1.53	1.50	1.50	1.42
Other ⁵	2.59	2.33	2.17	2.07	1.82	2.24	1.66	1.59	1.78	1.78	1.70	1.63
No Coverage	1.65	1.63	1.80	1.61	1.70	2.04	1.52	1.57	1.62	1.79	1.66	1.48

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

NOTE: Some 2008 to 2010 estimates may differ from previously published estimates due to updates (see Section 3.3.5 in Chapter 3 of the *2019 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.

¹ 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 *2019 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

² 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.

³ Respondents aged 18 to 22 who were living in a college dormitory were excluded.

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

⁵ 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, 2008-2019.

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, 2019 Versus 2008-2018

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0.0009	0.0000	0.0304	0.0002	0.0003	0.9724	0.9407	0.0805	0.0898	0.0324	0.1046	
GEOGRAPHIC REGION												
Northeast	0.0250	0.0008	0.1057	0.5546	0.0709	0.9688	0.9966	0.6288	0.4407	0.0765	0.4733	
Midwest	0.0003	0.0012	0.0016	0.0033	0.0387	0.5828	0.1794	0.2197	0.5826	0.0710	0.1601	
South	0.6158	0.2856	0.6386	0.0992	0.4341	0.4521	0.1782	0.3866	0.7346	0.9411	0.8282	
West	0.1643	0.0919	0.9485	0.0158	0.0046	0.5874	0.5308	0.4073	0.1076	0.1745	0.3586	
COUNTY TYPE²												
Large Metro	0.0037	0.0027	0.1457	0.0031	0.0017	0.8155	0.9493	0.2881	0.2410	0.0146	0.0705	
Small Metro	0.1144	0.0287	0.0842	0.1355	0.1473	0.9322	0.6567	0.3932	0.2111	0.9252	0.8888	
Nonmetro	0.4036	0.0393	0.6617	0.0276	0.2057	0.6727	0.6843	0.1834	0.6579	0.5251	0.3746	
Urbanized	0.4922	0.2240	0.6898	0.0043	0.0406	0.6829	0.5234	0.2899	0.0198	0.1090	0.0283	
Less Urbanized	0.8486	0.0536	0.5472	0.6891	0.9560	0.4234	0.2634	0.3446	0.2326	0.9279	0.6445	
Completely Rural	0.3430	0.5385	*	0.5581	*	*	0.8882	1.0000	0.6905	0.1155	0.3295	
POVERTY LEVEL³												
Less Than 100%	0.0586	0.0615	0.7310	0.0803	0.0740	0.9894	0.8316	0.0524	0.1947	0.6365	0.9533	
100-199%	0.1192	0.0318	0.3762	0.3127	0.1006	0.4426	0.7899	0.1086	0.6500	0.6090	0.0101	
200% or More	0.0190	0.0019	0.0452	0.0013	0.0149	0.6171	0.9385	1.0000	0.2355	0.0072	0.6800	
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	0.1763	0.1426	0.6743	0.1425	
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.5102	0.8667	0.7301	0.6930	
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.4888	0.8870	0.8822	0.8517	
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.2422	0.2148	0.0018	0.4053	
HEALTH INSURANCE⁴												
Private	0.0386	0.0000	0.1150	0.0044	0.0089	0.4031	0.2451	0.7372	0.0448	0.0015	0.5905	
Medicaid/CHIP	0.5619	0.4362	1.0000	0.8882	0.3297	0.1975	0.2197	0.2376	0.6615	0.9390	0.0303	
Other ⁵	0.9126	0.0551	0.1839	0.4800	0.0759	0.9282	0.2063	0.4444	0.2942	0.8869	0.1575	
No Coverage	0.1462	0.1585	0.0285	0.8676	0.0412	0.0013	0.0973	0.0940	0.6819	0.5563	0.3851	

* = 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 *2019 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.

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

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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, 2008-2019.

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, 2008-2019

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	262	275	302	260	262	333	254	235	258	264	258	276
GEOGRAPHIC REGION												
Northeast	117	106	112	100	104	118	102	101	107	99	102	119
Midwest	109	112	130	113	101	126	122	93	100	98	134	120
South	150	180	169	149	175	237	152	153	148	155	149	159
West	134	132	169	147	131	169	125	115	143	143	134	148
COUNTY TYPE²												
Large Metro	193	216	214	182	192	270	190	179	187	187	178	219
Small Metro	152	151	150	151	161	168	141	131	158	149	160	150
Nonmetro	90	89	144	99	94	116	96	92	77	121	96	94
Urbanized	*	54	*	62	59	*	58	56	46	83	64	58
Less Urbanized	*	59	81	74	71	88	74	68	60	79	57	72
Completely Rural	*	*	*	*	*	*	*	*	*	*	*	*
POVERTY LEVEL³												
Less Than 100%	82	120	141	152	137	136	116	114	112	121	121	108
100-199%	132	109	120	113	130	133	120	102	129	112	112	137
200% or More	207	217	224	181	191	269	182	183	191	192	190	212
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	85	82	82	90	92
High School Graduate	nc	nc	nc	nc	nc	nc	nc	99	132	126	122	120
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	153	151	150	167	177
College Graduate	nc	nc	nc	nc	nc	nc	nc	124	123	128	123	148
HEALTH INSURANCE⁴												
Private	211	174	220	163	173	227	166	177	192	181	194	200
Medicaid/CHIP	105	121	141	140	121	127	125	115	133	135	127	154
Other ⁵	138	165	148	145	168	216	155	155	140	165	145	154
No Coverage	79	94	113	98	104	111	71	59	63	61	69	64

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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.

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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, 2008-2019

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1.76	1.68	1.67	1.70	1.65	1.78	1.33	1.33	1.34	1.27	1.24	1.18
GEOGRAPHIC REGION												
Northeast	3.91	3.46	3.65	4.02	3.89	3.17	3.17	3.40	3.05	3.32	2.90	3.27
Midwest	2.96	2.91	3.05	2.62	2.80	2.92	2.48	2.69	2.43	2.30	2.45	2.22
South	3.26	3.21	3.08	3.13	2.74	3.22	2.22	2.21	2.17	2.05	2.07	1.98
West	3.84	3.91	3.47	3.61	3.77	4.27	3.03	3.10	2.97	2.67	2.71	2.33
COUNTY TYPE²												
Large Metro	2.49	2.72	2.38	2.61	2.42	2.72	1.91	1.97	1.88	1.90	1.68	1.77
Small Metro	3.11	2.68	2.80	2.64	2.91	2.77	2.24	2.34	2.27	1.94	2.09	1.94
Nonmetro	4.23	3.33	4.27	3.43	3.60	3.78	2.92	3.22	2.98	2.67	3.08	2.68
Urbanized	*	5.22	*	5.72	4.82	*	3.95	4.67	4.79	4.26	4.93	4.29
Less Urbanized	*	4.92	5.51	4.82	4.94	4.43	4.64	4.77	4.15	3.62	4.20	3.39
Completely Rural	*	*	*	*	*	*	*	*	*	*	*	*
POVERTY LEVEL³												
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	2.40
100-199%	3.73	3.50	3.59	3.32	3.53	3.49	2.53	2.90	2.57	2.18	2.86	2.65
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	1.52
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	4.34	4.37	3.97	4.25	3.97
High School Graduate	nc	nc	nc	nc	nc	nc	nc	2.86	2.71	2.44	2.70	2.57
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	2.04	1.97	1.75	1.90	1.80
College Graduate	nc	nc	nc	nc	nc	nc	nc	2.63	2.43	2.44	2.57	2.11
HEALTH INSURANCE⁴												
Private	2.43	2.39	2.17	2.55	2.52	2.57	1.90	1.81	1.90	1.67	1.68	1.54
Medicaid/CHIP	3.64	2.93	3.60	3.17	3.91	3.10	2.29	2.69	2.37	2.01	2.35	2.40
Other ⁵	3.91	4.06	4.07	3.50	3.63	2.78	2.42	2.77	2.72	2.64	2.82	2.69
No Coverage	3.56	3.32	3.90	3.50	3.41	3.55	3.16	3.69	3.59	3.40	3.33	3.22

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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, 2019 Versus 2008-2018

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0.9330	0.6150	0.3399	0.7736	0.1974	0.1660	0.0914	0.8896	0.7137	0.4589	0.3934	
GEOGRAPHIC REGION												
Northeast	0.4366	0.6133	0.8572	0.5129	0.6593	0.0674	0.7848	0.9969	0.5466	0.7430	0.5491	
Midwest	0.6224	0.2794	0.6467	0.9970	0.8037	0.8806	0.5097	0.6140	0.7786	0.8837	0.5010	
South	0.8781	0.1118	0.5245	0.9713	0.6257	0.3189	0.0213	0.1359	0.0864	0.2129	0.1102	
West	0.5596	0.5130	0.7490	0.8939	0.0226	0.9301	0.6969	0.1119	0.0751	0.6758	0.0241	
COUNTY TYPE²												
Large Metro	0.6247	0.4684	0.9875	0.3208	0.0791	0.3599	0.6193	0.4436	0.6046	0.3609	0.1616	
Small Metro	0.7248	0.0674	0.2346	0.3862	0.9115	0.3559	0.2628	0.3865	0.6279	0.1008	0.5869	
Nonmetro	0.4253	0.6372	0.4264	0.8750	0.7162	0.5851	0.0364	1.0000	0.3602	0.1164	0.6842	
Urbanized	*	0.2660	*	0.6515	0.0887	*	0.1559	0.3938	0.9431	0.1327	0.9279	
Less Urbanized	*	0.3917	0.5937	0.7019	1.0000	0.1535	0.1218	0.3877	0.4715	0.4501	0.2737	
Completely Rural	*	*	*	*	*	*	*	*	*	*	*	
POVERTY LEVEL³												
Less Than 100%	0.4006	0.5416	0.9560	0.8601	0.2586	0.5885	0.4747	0.3161	0.7939	0.3139	0.9333	
100-199%	0.5615	0.4383	0.9815	0.9377	0.9228	0.2067	0.0389	0.9363	0.5170	0.0659	0.6420	
200% or More	0.9868	0.4599	0.2154	0.8038	0.3643	0.1301	0.6733	0.7120	0.4126	0.3312	0.3456	
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	0.4971	0.6158	0.2547	0.8935	
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.7176	0.2843	0.0645	0.9180	
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.4469	0.6515	0.0835	0.6113	
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.3674	0.4029	0.1100	0.0314	
HEALTH INSURANCE⁴												
Private	0.6150	0.5432	0.0880	0.2893	0.7521	0.3582	0.5296	0.8279	0.2863	0.9530	0.5371	
Medicaid/CHIP	0.2404	0.0548	0.4042	0.2945	0.5447	0.1986	0.0558	0.5683	0.9339	0.1965	0.4413	
Other ⁵	0.9177	0.7299	0.1231	0.8285	0.1599	0.0955	0.3074	0.6561	0.6695	0.4839	0.7570	
No Coverage	0.2599	0.0238	0.0561	0.2045	0.9253	0.1027	0.3067	0.8929	0.6778	0.5929	0.3362	

* = 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 *2019 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.

¹ 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 *2019 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

² 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.

³ Respondents aged 18 to 22 who were living in a college dormitory were excluded.

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

⁵ 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, 2008-2019.

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, 2008-2019

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	503	467	479	460	510	491	405	410	403	474	427	444
GEOGRAPHIC REGION												
Northeast	192	171	201	187	184	206	205	180	182	195	198	182
Midwest	173	185	183	184	187	207	181	169	205	186	193	200
South	311	309	291	298	328	298	246	242	244	309	265	269
West	306	239	265	241	290	257	184	216	181	240	198	246
COUNTY TYPE²												
Large Metro	408	346	366	344	398	383	321	321	339	378	338	359
Small Metro	271	269	267	264	265	292	228	231	217	234	229	264
Nonmetro	152	160	165	155	174	133	123	117	118	123	175	144
Urbanized	93	92	127	102	126	95	88	79	85	94	130	96
Less Urbanized	118	126	101	128	129	91	77	79	83	83	111	97
Completely Rural	29	63	33	30	37	38	40	44	38	36	48	45
POVERTY LEVEL³												
Less Than 100%	144	126	136	132	163	144	118	109	145	142	124	122
100-199%	206	187	201	166	197	179	163	171	165	172	154	181
200% or More	443	404	422	421	452	431	346	353	345	402	386	395
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	116	136	120	119	114
High School Graduate	nc	nc	nc	nc	nc	nc	nc	190	182	188	170	195
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	225	215	253	235	246
College Graduate	nc	nc	nc	nc	nc	nc	nc	268	272	305	297	291
HEALTH INSURANCE⁴												
Private	450	379	413	403	441	436	343	349	347	405	373	388
Medicaid/CHIP	158	154	140	138	136	124	130	125	168	160	126	164
Other ⁵	300	282	277	252	307	293	276	245	269	256	285	299
No Coverage	88	105	105	118	133	125	85	65	66	93	57	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 *2019 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.

¹ 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 *2019 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

² 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.

³ Respondents aged 18 to 22 who were living in a college dormitory were excluded.

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

⁵ 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, 2008-2019.

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, 2008-2019

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0.25	0.24	0.24	0.22	0.25	0.24	0.19	0.20	0.19	0.23	0.20	0.20
GEOGRAPHIC REGION												
Northeast	0.55	0.48	0.56	0.49	0.49	0.57	0.54	0.48	0.49	0.52	0.53	0.47
Midwest	0.41	0.43	0.42	0.41	0.42	0.48	0.41	0.39	0.44	0.42	0.44	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	0.33
West	0.65	0.53	0.59	0.52	0.64	0.54	0.37	0.44	0.37	0.49	0.42	0.48
COUNTY TYPE²												
Large Metro	0.37	0.32	0.33	0.31	0.35	0.33	0.27	0.27	0.28	0.32	0.29	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	0.37
Nonmetro	0.53	0.53	0.59	0.51	0.55	0.44	0.40	0.41	0.38	0.39	0.52	0.47
Urbanized	0.82	0.74	0.99	0.87	0.95	0.70	0.64	0.60	0.63	0.66	0.88	0.73
Less Urbanized	0.80	0.81	0.72	0.78	0.84	0.66	0.54	0.59	0.52	0.53	0.71	0.69
Completely Rural	1.09	2.02	1.28	0.95	1.21	1.10	1.37	1.20	1.16	1.07	1.48	1.11
POVERTY LEVEL³												
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	0.50
100-199%	0.60	0.52	0.52	0.43	0.53	0.47	0.43	0.43	0.40	0.43	0.39	0.47
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	0.26
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	0.40	0.49	0.46	0.46	0.46
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.36	0.35	0.36	0.33	0.39
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.37	0.33	0.40	0.38	0.38
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.40	0.40	0.42	0.41	0.40
HEALTH INSURANCE⁴												
Private	0.32	0.27	0.31	0.29	0.31	0.31	0.24	0.24	0.23	0.28	0.25	0.26
Medicaid/CHIP	1.13	1.06	0.89	0.79	0.83	0.72	0.59	0.48	0.63	0.58	0.48	0.63
Other ⁵	0.64	0.61	0.59	0.52	0.61	0.57	0.53	0.43	0.46	0.43	0.48	0.49
No Coverage	0.33	0.36	0.34	0.39	0.45	0.42	0.36	0.32	0.35	0.49	0.30	0.34

* = 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 *2019 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.

¹ 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 *2019 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

² 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.

³ Respondents aged 18 to 22 who were living in a college dormitory were excluded.

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

⁵ 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, 2008-2019.

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, 2019 Versus 2008-2018

Geographic/Socioeconomic Characteristic	2008 ¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0.0005	0.0001	0.0001	0.0017	0.5348	0.0047	0.0762	0.0037	0.0082	0.2000	0.1291	
GEOGRAPHIC REGION												
Northeast	0.0009	0.0002	0.0481	0.0032	0.0055	0.1039	0.1743	0.2248	0.6280	0.3721	0.6531	
Midwest	0.0009	0.0010	0.0007	0.0262	0.0823	0.0439	0.1799	0.0009	0.6624	0.2197	0.6320	
South	0.0887	0.8621	0.1254	0.6248	0.1136	0.1664	0.9276	0.4677	0.3033	0.9372	0.3004	
West	0.8891	0.0111	0.1119	0.1369	0.9092	0.3228	0.2498	0.2853	0.0005	0.4208	0.0829	
COUNTY TYPE²												
Large Metro	0.2271	0.0027	0.0134	0.0514	0.9163	0.2455	0.4874	0.3395	0.4640	0.5657	0.3389	
Small Metro	0.0015	0.0203	0.0239	0.0304	0.1526	0.0460	0.3569	0.0275	0.0261	0.0378	0.1816	
Nonmetro	0.0085	0.1768	0.0169	0.1289	0.9088	0.0061	0.0265	0.0006	0.0043	0.0135	0.9199	
Urbanized	0.1673	0.0045	0.2715	0.1697	0.3008	0.0371	0.0536	0.0130	0.1505	0.1295	0.7086	
Less Urbanized	0.0534	0.6108	0.0221	0.6778	0.3704	0.1019	0.1431	0.0110	0.0095	0.0424	0.3308	
Completely Rural	0.0862	0.9775	0.2905	0.1398	0.8943	0.2971	0.9133	0.6427	0.5391	0.7219	0.4177	
POVERTY LEVEL³												
Less Than 100%	0.8821	0.8976	0.5226	0.8727	0.6971	0.8821	0.7790	0.0519	0.7535	0.9598	0.7014	
100-199%	0.5505	0.2935	0.3069	0.3298	0.6905	0.1824	0.6491	0.3589	0.6670	0.5070	0.0429	
200% or More	0.0002	0.0000	0.0002	0.0041	0.8158	0.0104	0.0379	0.0448	0.0051	0.3021	0.6105	
EDUCATION												
< High School	nc	nc	nc	nc	nc	nc	nc	0.1476	0.6075	0.7850	0.7346	
High School Graduate	nc	nc	nc	nc	nc	nc	nc	0.5381	0.1678	0.5046	0.0198	
Some College/Associate's Degree	nc	nc	nc	nc	nc	nc	nc	0.0602	0.1093	0.2386	0.2848	
College Graduate	nc	nc	nc	nc	nc	nc	nc	0.2698	0.1211	0.7908	0.6902	
HEALTH INSURANCE⁴												
Private	0.0002	0.0000	0.0001	0.0006	0.3902	0.0236	0.0020	0.0060	0.0006	0.1422	0.1321	
Medicaid/CHIP	0.5398	0.4769	0.7300	0.7988	0.5425	0.4293	0.5945	0.0013	0.5053	0.4115	0.0012	
Other ⁵	0.6463	0.2240	0.1775	0.0367	0.7041	0.2489	0.0929	0.3131	0.4016	0.2137	0.9056	
No Coverage	0.5749	0.0447	0.2002	0.0402	0.0050	0.1201	0.0053	0.8941	0.2749	0.7660	0.3850	

* = 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 *2019 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.

¹ 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 *2019 National Survey on Drug Use and Health: Methodological Summary and Definitions*.

² 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.

³ Respondents aged 18 to 22 who were living in a college dormitory were excluded.

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

⁵ 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, 2008-2019.