

Table 10.17C Type of Mental Health Service Received in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Age Group: Standard Errors of Numbers in Thousands, 2008-2019

Mental Health Services Received/Age Group	2008¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANY MENTAL HEALTH SERVICES	507	467	510	452	490	558	423	429	455	442	470	485
Inpatient	211	121	104	130	121	128	115	115	111	112	110	128
18-25	24	28	21	26	27	28	26	32	32	38	34	38
26 or Older	209	118	103	127	121	125	113	108	105	106	106	123
26-49	81	95	79	76	61	79	69	65	68	62	72	71
50 or Older	194	70	64	98	105	97	94	92	78	83	77	97
Outpatient ²	361	347	368	348	345	427	297	325	313	321	357	372
18-25	55	55	58	65	68	64	73	69	79	94	88	105
26 or Older	355	341	362	344	338	424	288	318	298	308	335	357
26-49	222	225	222	219	213	246	162	187	186	189	207	213
50 or Older	281	251	274	271	258	338	234	249	225	241	254	267
Prescription Medication	460	422	488	428	446	533	398	391	418	416	422	428
18-25	60	61	64	67	73	74	82	75	83	104	88	107
26 or Older	455	417	483	420	440	531	388	385	406	393	405	415
26-49	274	285	285	255	290	304	211	220	219	228	244	246
50 or Older	373	307	369	334	339	420	318	303	327	308	314	323

* = 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: Respondents could indicate multiple service types; thus, these response categories are not mutually exclusive.

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 revisions in 2017 to the outpatient mental health service estimates, these 2010 to 2016 estimates may differ from estimates published prior to the 2017 NSDUH.

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 10.17D Type of Mental Health Service Received in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Age Group: Standard Errors of Percentages, 2008-2019

Mental Health Services Received/Age Group	2008¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANY MENTAL HEALTH SERVICES	0.93	0.86	0.89	0.82	0.82	0.91	0.72	0.72	0.75	0.71	0.68	0.65
Inpatient	0.51	0.29	0.25	0.31	0.28	0.29	0.26	0.26	0.24	0.24	0.23	0.25
18-25	0.39	0.45	0.35	0.40	0.39	0.40	0.37	0.42	0.41	0.42	0.36	0.38
26 or Older	0.60	0.33	0.29	0.36	0.32	0.34	0.30	0.29	0.28	0.28	0.27	0.29
26-49	0.38	0.43	0.38	0.38	0.30	0.37	0.34	0.31	0.32	0.28	0.30	0.28
50 or Older	1.42	0.50	0.44	0.63	0.65	0.60	0.56	0.59	0.48	0.53	0.48	0.59
Outpatient ²	0.78	0.74	0.78	0.74	0.68	0.84	0.61	0.63	0.60	0.59	0.59	0.59
18-25	0.80	0.80	0.82	0.84	0.84	0.82	0.92	0.82	0.84	0.86	0.80	0.82
26 or Older	0.90	0.85	0.89	0.87	0.79	0.98	0.70	0.74	0.70	0.71	0.70	0.71
26-49	0.89	0.90	0.92	0.98	0.89	0.99	0.71	0.77	0.74	0.75	0.73	0.70
50 or Older	1.85	1.63	1.63	1.60	1.40	1.83	1.26	1.41	1.28	1.37	1.33	1.42
Prescription Medication	0.91	0.82	0.90	0.82	0.79	0.91	0.71	0.71	0.72	0.69	0.65	0.62
18-25	0.84	0.88	0.89	0.92	0.88	0.90	1.00	0.85	0.87	0.90	0.84	0.84
26 or Older	1.07	0.96	1.04	0.96	0.92	1.07	0.81	0.84	0.84	0.83	0.79	0.75
26-49	1.07	1.08	1.07	1.05	1.10	1.11	0.81	0.86	0.83	0.82	0.79	0.74
50 or Older	2.25	1.84	1.94	1.77	1.65	1.92	1.46	1.49	1.54	1.61	1.55	1.52

* = 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: Respondents could indicate multiple service types; thus, these response categories are not mutually exclusive.

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 revisions in 2017 to the outpatient mental health service estimates, these 2010 to 2016 estimates may differ from estimates published prior to the 2017 NSDUH.

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 10.17P Type of Mental Health Service Received in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Age Group: P Values from Tests of Differences of Percentages, 2019 Versus 2008-2018

Mental Health Services Received/Age Group	2008¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANY MENTAL HEALTH SERVICES	0.0009	0.0000	0.0304	0.0002	0.0003	0.9724	0.9407	0.0805	0.0898	0.0324	0.1046	
Inpatient	0.4084	0.9070	0.0917	1.0000	0.5483	0.9906	0.1500	0.6323	0.8630	0.7987	0.8442	
18-25	0.0996	0.5535	0.0383	0.3852	0.2919	0.6813	0.1977	0.7982	0.7743	0.7793	0.6375	
26 or Older	0.2420	0.8494	0.2883	0.7434	0.8299	0.8217	0.0553	0.5165	0.8540	0.7103	0.9330	
26-49	0.9496	0.1162	0.9137	0.9385	0.1762	0.4333	0.0630	0.5927	0.2783	0.3613	0.2947	
50 or Older	0.1775	0.1768	0.1734	0.6624	0.5931	0.7508	0.3444	0.6989	0.5497	0.8316	0.4784	
Outpatient ²	0.0026	0.0000	0.0002	0.0013	0.0000	0.0105	0.0018	0.0565	0.0023	0.0980	0.2317	
18-25	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0002	0.0000	0.0068	0.4110	0.1791	
26 or Older	0.0491	0.0001	0.0040	0.0146	0.0000	0.0615	0.0193	0.3983	0.0140	0.1422	0.3783	
26-49	0.0508	0.0000	0.0039	0.0101	0.0000	0.0012	0.0187	0.0382	0.0335	0.1749	0.1251	
50 or Older	0.3097	0.0618	0.1550	0.3290	0.0146	0.9442	0.2813	0.5932	0.1906	0.4465	0.8997	
Prescription Medication	0.3057	0.0656	0.8048	0.2818	0.1805	0.0431	0.0295	0.9922	0.6842	0.2800	0.6074	
18-25	0.0000	0.0041	0.0062	0.0050	0.0939	0.1728	0.0122	0.0002	0.1707	0.8358	0.8097	
26 or Older	0.5460	0.0779	0.7566	0.3599	0.1652	0.0546	0.0140	0.5116	0.6248	0.2337	0.6026	
26-49	0.2637	0.1308	0.7639	0.1850	0.8511	0.7896	0.5705	0.4192	0.6157	0.2588	0.4974	
50 or Older	0.9010	0.3179	0.9239	0.7920	0.0931	0.0395	0.0214	0.1918	0.4189	0.4680	0.8376	

* = 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: Respondents could indicate multiple service types; thus, these response categories are not mutually exclusive.

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.

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 revisions in 2017 to the outpatient mental health service estimates, the 2010 to 2016 estimates that are used in the comparisons may differ from estimates published prior to the 2017 NSDUH.

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 10.18C Type of Mental Health Service Received in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Age Group: Standard Errors of Numbers in Thousands, 2008-2019

Mental Health Services Received/Age Group	2008¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANY MENTAL HEALTH SERVICES	262	275	302	260	262	333	254	235	258	264	258	276
Inpatient	114	86	72	104	74	96	88	72	79	76	77	96
18-25	15	22	14	16	18	20	18	22	22	30	25	30
26 or Older	113	83	70	101	74	95	86	68	77	70	75	92
26-49	59	75	56	59	42	66	46	49	51	52	48	60
50 or Older	93	35	43	77	60	66	73	48	52	47	58	68
Outpatient ²	218	234	244	214	205	289	186	187	194	197	216	222
18-25	31	32	38	38	37	39	45	44	52	59	56	60
26 or Older	215	232	240	212	203	287	182	182	186	192	207	213
26-49	151	149	146	134	142	170	114	116	122	125	126	133
50 or Older	153	169	180	161	146	225	140	135	135	144	162	156
Prescription Medication	253	264	284	249	253	323	241	221	248	255	239	256
18-25	31	33	42	39	42	45	46	46	55	66	57	64
26 or Older	251	262	281	247	251	319	237	218	241	245	229	248
26-49	168	172	176	157	181	190	136	133	137	147	149	150
50 or Older	191	193	212	187	186	242	180	171	197	192	177	189

* = 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: Respondents could indicate multiple service types; thus, these response categories are not mutually exclusive.

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.

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 revisions in 2017 to the outpatient mental health service estimates, these 2010 to 2016 estimates may differ from estimates published prior to the 2017 NSDUH.

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 10.18D Type of Mental Health Service Received in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Age Group: Standard Errors of Percentages, 2008-2019

Mental Health Services Received/Age Group	2008¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANY MENTAL HEALTH SERVICES	1.76	1.68	1.67	1.70	1.65	1.78	1.33	1.33	1.34	1.27	1.24	1.18
Inpatient	1.29	0.98	0.77	1.11	0.77	0.93	0.85	0.71	0.73	0.65	0.66	0.70
18-25	1.18	1.81	1.06	1.19	1.18	1.27	1.05	1.17	1.06	1.10	0.90	1.01
26 or Older	1.50	1.10	0.88	1.26	0.89	1.07	1.00	0.82	0.89	0.77	0.83	0.86
26-49	1.19	1.44	1.04	1.17	0.82	1.22	0.93	0.95	0.93	0.89	0.79	0.83
50 or Older	3.65	1.47	1.50	2.61	1.90	1.93	2.07	1.51	1.67	1.50	1.97	1.95
Outpatient ²	1.86	1.97	1.89	1.78	1.68	1.97	1.39	1.44	1.40	1.27	1.29	1.24
18-25	2.05	2.27	2.30	2.20	2.08	2.13	2.12	2.10	1.88	1.82	1.70	1.64
26 or Older	2.16	2.24	2.17	2.04	1.94	2.24	1.64	1.71	1.67	1.58	1.58	1.51
26-49	2.23	2.21	2.13	2.17	2.23	2.33	1.74	1.78	1.70	1.64	1.53	1.45
50 or Older	4.66	4.74	4.48	4.14	3.62	4.21	3.15	3.25	3.56	3.33	3.69	3.48
Prescription Medication	1.81	1.77	1.80	1.80	1.65	1.91	1.42	1.43	1.42	1.34	1.31	1.23
18-25	2.12	2.22	2.31	2.22	2.09	2.21	2.02	2.03	2.00	1.91	1.71	1.76
26 or Older	2.07	2.01	2.06	2.05	1.91	2.16	1.64	1.70	1.65	1.58	1.60	1.49
26-49	2.22	2.17	2.15	2.26	2.25	2.42	1.79	1.78	1.68	1.68	1.64	1.46
50 or Older	4.32	4.00	4.10	3.76	3.66	3.74	2.89	3.27	3.29	3.26	3.54	3.31

* = 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: Respondents could indicate multiple service types; thus, these response categories are not mutually exclusive.

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.

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 revisions in 2017 to the outpatient mental health service estimates, these 2010 to 2016 estimates may differ from estimates published prior to the 2017 NSDUH.

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 10.18P Type of Mental Health Service Received in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Age Group: P Values from Tests of Differences of Percentages, 2019 Versus 2008-2018

Mental Health Services Received/Age Group	2008¹	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANY MENTAL HEALTH SERVICES	0.9330	0.6150	0.3399	0.7736	0.1974	0.1660	0.0914	0.8896	0.7137	0.4589	0.3934	
Inpatient	0.4378	0.3517	0.4596	0.2814	0.2217	0.4523	0.2168	0.6817	0.8426	0.8579	0.8500	
18-25	0.4473	0.2604	0.5135	0.5078	0.7162	0.4366	0.5489	0.9160	0.8482	0.7485	0.7756	
26 or Older	0.3211	0.4126	0.6558	0.1872	0.3256	0.4731	0.1374	0.7618	0.7579	0.7692	0.7497	
26-49	0.8171	0.1300	0.8594	0.5981	0.0409	0.4331	0.5144	0.9534	0.4661	0.3987	0.4560	
50 or Older	0.1545	0.5028	0.6724	0.1875	0.7630	0.7611	0.1971	0.7023	0.8487	0.7000	0.8239	
Outpatient ²	0.3905	0.8845	0.4369	0.9423	0.0115	0.2577	0.9882	0.7457	0.3757	0.5540	0.8534	
18-25	0.0123	0.7282	0.2343	0.3925	0.1510	0.3951	0.9027	0.1812	0.2496	0.9183	0.3701	
26 or Older	0.2698	0.9827	0.4408	0.8983	0.0141	0.2746	0.8840	0.8989	0.4881	0.4951	0.8968	
26-49	0.2483	0.6019	0.3924	0.3687	0.0719	0.4758	0.5568	0.8826	0.8770	0.4676	0.2155	
50 or Older	0.6571	0.6579	0.7454	0.5572	0.0997	0.4324	0.8479	0.9298	0.4535	0.7787	0.2140	
Prescription Medication	0.1399	0.0332	0.0384	0.4192	0.5302	0.0131	0.0088	0.6632	0.4100	0.1714	0.9778	
18-25	0.0013	0.6235	0.7877	0.1815	0.7866	0.6166	0.3599	0.0784	0.1576	0.7182	0.2712	
26 or Older	0.1104	0.1069	0.1125	0.5944	0.9594	0.0533	0.0124	0.5646	0.2805	0.1543	0.6167	
26-49	0.1641	0.2387	0.0628	0.7601	0.3930	0.1262	0.1170	0.4348	0.2231	0.3263	0.5731	
50 or Older	0.3693	0.2529	0.7362	0.7667	0.3348	0.3561	0.1561	0.8235	0.8810	0.3781	0.8557	

* = 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: Respondents could indicate multiple service types; thus, these response categories are not mutually exclusive.

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 revisions in 2017 to the outpatient mental health service estimates, the 2010 to 2016 estimates that are used in the comparisons may differ from estimates published prior to the 2017 NSDUH.

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.