

**Table 8.28A Perceived Unmet Need for Mental Health Services in Past Year among Persons Aged 18 or Older, by Receipt of Past Year Mental Health Services and Geographic and Socioeconomic Characteristics: Numbers in Thousands, 2017 and 2018**

Geographic/Socioeconomic Characteristic	Total <sup>1</sup>		MENTAL HEALTH SERVICES <sup>2</sup>			
			Received		Not Received	
	2017	2018	2017	2018	2017	2018
<b>TOTAL</b>	13,475	14,215	6,991	7,349	6,451	6,845
<b>GEOGRAPHIC REGION</b>						
Northeast	2,338	2,468	1,157	1,390	1,170	1,069
Midwest	2,887	3,139	1,552	1,677	1,331	1,458
South	4,724	4,987	2,530	2,439	2,175 <sup>a</sup>	2,543
West	3,527	3,621	1,751	1,844	1,775	1,775
<b>COUNTY TYPE</b>						
Large Metro	7,554	7,952	3,796	3,786	3,741	4,162
Small Metro	4,222	4,427	2,280	2,482	1,932	1,933
Nonmetro	1,699	1,836	915	1,081	778	749
Urbanized	729	870	385	459	344	411
Less Urbanized	861	820	454	526	403	289
Completely Rural	108	145	76	95	32	50
<b>POVERTY LEVEL<sup>3</sup></b>						
Less Than 100%	2,644	2,804	1,452	1,651	1,187	1,146
100-199%	2,950	3,135	1,668	1,520	1,270 <sup>a</sup>	1,605
200% or More	7,794	8,160	3,832	4,133	3,946	4,022
<b>EDUCATION</b>						
< High School	1,254	1,303	691	794	557	508
High School Graduate	2,516	2,733	1,253	1,304	1,260	1,426
Some College/Associate's Degree	5,154	5,546	2,757	2,989	2,382	2,546
College Graduate	4,551	4,633	2,289	2,263	2,252	2,365
<b>HEALTH INSURANCE<sup>4</sup></b>						
Private	8,050	8,330	4,002	4,139	4,031	4,173
Medicaid/CHIP	3,057	3,199	1,878	1,947	1,174	1,251
Other <sup>5</sup>	2,144	2,223	1,371	1,502	773	719
No Coverage	1,471 <sup>a</sup>	1,853	552 <sup>a</sup>	762	907	1,091

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

NOTE: Perception of unmet need was asked of all respondents regardless of their mental health. Respondents with unknown perception of unmet need information were excluded.

<sup>a</sup> The difference between this estimate and the 2018 estimate is statistically significant at the .05 level. Rounding may make the estimates appear identical.

<sup>1</sup> The Total column includes respondents with unknown mental health services information.

<sup>2</sup> 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.

<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, 2017 and 2018.

**Table 8.28B Perceived Unmet Need for Mental Health Services in Past Year among Persons Aged 18 or Older, by Receipt of Past Year Mental Health Services and Geographic and Socioeconomic Characteristics: Percentages, 2017 and 2018**

Geographic/Socioeconomic Characteristic	Total <sup>1</sup>		MENTAL HEALTH SERVICES <sup>2</sup>			
			Received		Not Received	
	2017	2018	2017	2018	2017	2018
<b>TOTAL</b>	5.5	5.7	19.2	19.9	3.1	3.3
<b>GEOGRAPHIC REGION</b>						
Northeast	5.3	5.7	17.2	18.9	3.2	3.0
Midwest	5.6	6.1	18.1	18.9	3.1	3.4
South	5.1	5.3	19.7	19.4	2.7	3.1
West	6.1	6.2	21.4	22.3	3.6	3.5
<b>COUNTY TYPE</b>						
Large Metro	5.5	5.8	19.4	19.6	3.2	3.5
Small Metro	5.8	6.0	19.6	20.3	3.2	3.1
Nonmetro	4.8	5.1	17.8	19.7	2.6	2.5
Urbanized	4.8	5.4	17.3	17.8	2.7	3.0
Less Urbanized	5.0	5.0	18.7	22.5	2.7	2.1
Completely Rural	3.5	4.4	15.3	17.0	1.2	1.8
<b>POVERTY LEVEL<sup>3</sup></b>						
Less Than 100%	7.8	8.2	24.9	28.5	4.2	4.1
100-199%	6.1	6.4	24.5	24.9	3.1 <sup>a</sup>	3.8
200% or More	4.8	5.0	16.2	16.5	2.8	2.9
<b>EDUCATION</b>						
< High School	4.1	4.3	21.4	25.0	2.1	1.9
High School Graduate	4.2	4.5	17.4	18.3	2.4	2.6
Some College/Associate's Degree	6.7	7.2	21.8	23.1	3.7	4.0
College Graduate	5.7	5.9	17.3	16.4	3.4	3.6
<b>HEALTH INSURANCE<sup>4</sup></b>						
Private	4.9	5.1	16.8	16.7	2.9	3.0
Medicaid/CHIP	8.5	8.8	24.8	28.6	4.2	4.2
Other <sup>5</sup>	3.2	3.3	13.7	14.5	1.4	1.3
No Coverage	6.3 <sup>a</sup>	7.6	28.9 <sup>a</sup>	38.4	4.3	4.9

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

NOTE: Perception of unmet need was asked of all respondents regardless of their mental health. Respondents with unknown perception of unmet need information were excluded.

<sup>a</sup> The difference between this estimate and the 2018 estimate is statistically significant at the .05 level. Rounding may make the estimates appear identical.

<sup>1</sup> The Total column includes respondents with unknown mental health services information.

<sup>2</sup> 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.

<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, 2017 and 2018.

**Table 8.30A Perceived Unmet Need for Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Receipt of Past Year Mental Health Services and Geographic and Socioeconomic Characteristics: Numbers in Thousands, 2017 and 2018**

Geographic/Socioeconomic Characteristic	Total <sup>1</sup>		MENTAL HEALTH SERVICES <sup>2</sup>			
			Received		Not Received	
	2017	2018	2017	2018	2017	2018
<b>TOTAL</b>	11,052	11,208	6,085	6,223	4,938	4,966
<b>GEOGRAPHIC REGION</b>						
Northeast	1,929	1,873	1,005	1,164	914 <sup>a</sup>	702
Midwest	2,383	2,506	1,374	1,428	1,009	1,074
South	3,844	3,972	2,204	2,057	1,621	1,910
West	2,896	2,857	1,502	1,575	1,394	1,280
<b>COUNTY TYPE</b>						
Large Metro	6,098	6,052	3,244	3,124	2,840	2,924
Small Metro	3,525	3,647	2,003	2,204	1,512	1,432
Nonmetro	1,429	1,510	838	895	586	610
Urbanized	609	688	342	374	267	314
Less Urbanized	718	698	423	443	290	250
Completely Rural	102	124	*	*	*	*
<b>POVERTY LEVEL<sup>3</sup></b>						
Less Than 100%	2,122	2,323	1,282	1,408	835	909
100-199%	2,545	2,518	1,480	1,354	1,055	1,154
200% or More	6,320	6,270	3,288	3,420	3,016	2,847
<b>EDUCATION</b>						
< High School	988	1,011	607	628	379	381
High School Graduate	2,048	2,236	1,048	1,119	997	1,113
Some College/Associate's Degree	4,374	4,624	2,460	2,666	1,899	1,947
College Graduate	3,643	3,337	1,970	1,810	1,663	1,524
<b>HEALTH INSURANCE<sup>4</sup></b>						
Private	6,399	6,327	3,358	3,440	3,025	2,869
Medicaid/CHIP	2,622	2,668	1,694	1,719	924	949
Other <sup>5</sup>	1,793	1,685	1,232	1,156	560	527
No Coverage	1,270 <sup>a</sup>	1,577	507 <sup>a</sup>	708	754	869

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

NOTE: Perception of unmet need was asked of all respondents regardless of their mental health. Respondents with unknown perception of unmet need 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. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>a</sup> The difference between this estimate and the 2018 estimate is statistically significant at the .05 level. Rounding may make the estimates appear identical.

<sup>1</sup> The Total column includes respondents with unknown mental health services information.

<sup>2</sup> 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.

<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, 2017 and 2018.

**Table 8.30B Perceived Unmet Need for Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Any Mental Illness, by Receipt of Past Year Mental Health Services and Geographic and Socioeconomic Characteristics: Percentages, 2017 and 2018**

Geographic/Socioeconomic Characteristic	Total <sup>1</sup>		MENTAL HEALTH SERVICES <sup>2</sup>			
			Received		Not Received	
	2017	2018	2017	2018	2017	2018
<b>TOTAL</b>	23.7	23.6	30.7	30.3	18.5	18.5
<b>GEOGRAPHIC REGION</b>						
Northeast	24.4	22.7	29.7	31.0	20.4 <sup>a</sup>	15.7
Midwest	23.3	24.3	29.1	29.6	18.5	19.7
South	22.8	23.5	31.1	29.2	16.7	19.4
West	25.0	23.8	32.6	32.3	20.0	18.0
<b>COUNTY TYPE</b>						
Large Metro	24.2	23.6	32.2	29.6	18.9	19.4
Small Metro	24.1	23.9	29.9	31.3	19.2	17.5
Nonmetro	21.1	22.9	27.6	30.6	15.8	16.8
Urbanized	20.5	21.9	27.0	28.7	15.7	17.1
Less Urbanized	22.4	24.8	29.2	34.3	16.6	16.7
Completely Rural	17.1	19.6	*	*	*	*
<b>POVERTY LEVEL<sup>3</sup></b>						
Less Than 100%	24.3	25.7	32.1	35.0	17.8	18.2
100-199%	25.1	25.1	35.4	36.2	17.8	18.4
200% or More	23.0	22.3	28.4	27.0	19.0	18.4
<b>EDUCATION</b>						
< High School	18.7	18.0	31.6	33.5	11.3	10.2
High School Graduate	19.8	20.2	26.4	26.4	15.7	16.3
Some College/Associate's Degree	26.5	27.1	32.8	34.5	21.2	20.9
College Graduate	25.2	24.3	30.7	27.2	20.8	21.7
<b>HEALTH INSURANCE<sup>4</sup></b>						
Private	22.9	22.5	28.8	27.2	18.7	18.6
Medicaid/CHIP	26.1	25.7	33.6	36.3	18.5	16.9
Other <sup>5</sup>	16.5	15.2	23.5	22.9	10.1	8.7
No Coverage	26.0	29.4	38.8	48.4	21.2	22.4

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

NOTE: Perception of unmet need was asked of all respondents regardless of their mental health. Respondents with unknown perception of unmet need 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. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>a</sup> The difference between this estimate and the 2018 estimate is statistically significant at the .05 level. Rounding may make the estimates appear identical.

<sup>1</sup> The Total column includes respondents with unknown mental health services information.

<sup>2</sup> 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.

<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, 2017 and 2018.

**Table 8.32A Perceived Unmet Need for Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Receipt of Past Year Mental Health Services and Geographic and Socioeconomic Characteristics: Numbers in Thousands, 2017 and 2018**

Geographic/Socioeconomic Characteristic	Total <sup>1</sup>		MENTAL HEALTH SERVICES <sup>2</sup>			
			Received		Not Received	
	2017	2018	2017	2018	2017	2018
<b>TOTAL</b>	4,939	5,116	3,320	3,268	1,606	1,845
<b>GEOGRAPHIC REGION</b>						
Northeast	766	793	519	569	236	224
Midwest	1,059 <sup>a</sup>	1,290	746	831	313 <sup>a</sup>	458
South	1,837	1,740	1,230	1,101	604	636
West	1,277	1,294	824	766	452	528
<b>COUNTY TYPE</b>						
Large Metro	2,478	2,618	1,638	1,576	829	1,042
Small Metro	1,700	1,742	1,141	1,196	559	546
Nonmetro	761	756	540	496	218	257
Urbanized	285	299	196	179	*	*
Less Urbanized	430	391	304	273	*	*
Completely Rural	*	*	*	*	*	*
<b>POVERTY LEVEL<sup>3</sup></b>						
Less Than 100%	1,112	1,234	780	833	330	401
100-199%	1,268	1,156	875	736	392	416
200% or More	2,531	2,690	1,643	1,682	878	1,007
<b>EDUCATION</b>						
< High School	436	481	312	349	122	*
High School Graduate	1,053	1,133	604	632	448	498
Some College/Associate's Degree	2,004	2,250	1,395	1,508	609	742
College Graduate	1,446	1,252	1,009 <sup>a</sup>	779	428	473
<b>HEALTH INSURANCE<sup>4</sup></b>						
Private	2,541	2,566	1,705	1,598	835	965
Medicaid/CHIP	1,323	1,338	999	970	321	368
Other <sup>5</sup>	866	817	699	662	*	155
No Coverage	664 <sup>a</sup>	918	311 <sup>a</sup>	508	344	409

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

NOTE: Perception of unmet need was asked of all respondents regardless of their mental health. Respondents with unknown perception of unmet need 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. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>a</sup> The difference between this estimate and the 2018 estimate is statistically significant at the .05 level. Rounding may make the estimates appear identical.

<sup>1</sup> The Total column includes respondents with unknown mental health services information.

<sup>2</sup> 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.

<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.

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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, 2017 and 2018.

**Table 8.32B Perceived Unmet Need for Mental Health Services in Past Year among Persons Aged 18 or Older with Past Year Serious Mental Illness, by Receipt of Past Year Mental Health Services and Geographic and Socioeconomic Characteristics: Percentages, 2017 and 2018**

Geographic/Socioeconomic Characteristic	Total <sup>1</sup>		MENTAL HEALTH SERVICES <sup>2</sup>			
			Received		Not Received	
	2017	2018	2017	2018	2017	2018
<b>TOTAL</b>	44.2	45.1	44.6	45.0	43.2	45.4
<b>GEOGRAPHIC REGION</b>						
Northeast	44.7	44.1	45.7	48.3	41.8	36.2
Midwest	43.3	48.9	44.1	46.7	41.7 <sup>a</sup>	53.4
South	44.0	43.3	45.8	42.0	40.8	46.2
West	44.8	44.8	42.6	45.8	49.5	43.4
<b>COUNTY TYPE</b>						
Large Metro	44.4	45.8	46.3	44.1	40.8	48.6
Small Metro	45.4	44.3	44.1	45.9	48.4	41.5
Nonmetro	40.9	44.7	40.8	46.1	41.2	42.5
Urbanized	36.0	40.2	34.5	37.6	*	*
Less Urbanized	45.4	52.1	45.8	59.9	*	*
Completely Rural	*	*	*	*	*	*
<b>POVERTY LEVEL<sup>3</sup></b>						
Less Than 100%	44.4	45.5	45.1	47.2	42.6	42.6
100-199%	47.5	47.6	48.0	50.2	46.3	43.3
200% or More	42.5	43.7	42.5	42.0	42.2	47.1
<b>EDUCATION</b>						
< High School	34.5	39.6	42.8	44.4	23.0	*
High School Graduate	39.5	40.3	35.3	39.1	47.2	42.0
Some College/Associate's Degree	44.8	49.6	45.1	50.3	44.3	48.5
College Graduate	51.9	45.2	52.6 <sup>a</sup>	42.1	49.7	51.3
<b>HEALTH INSURANCE<sup>4</sup></b>						
Private	43.7	43.1	43.8	40.9	43.5	47.3
Medicaid/CHIP	44.5	45.0	44.9	47.8	43.1	39.0
Other <sup>5</sup>	34.2	35.0	34.4	37.1	*	28.3
No Coverage	48.6 <sup>a</sup>	60.5	57.1 <sup>a</sup>	71.2	42.3	51.3

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

NOTE: Perception of unmet need was asked of all respondents regardless of their mental health. Respondents with unknown perception of unmet need 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. These mental illness estimates are based on a predictive model and are not direct measures of diagnostic status.

<sup>a</sup> The difference between this estimate and the 2018 estimate is statistically significant at the .05 level. Rounding may make the estimates appear identical.

<sup>1</sup> The Total column includes respondents with unknown mental health services information.

<sup>2</sup> 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.

<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.

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