

**Table 8.65C Suicide Behavior and Treatment, Level of Mental Illness, Major Depressive Episode, and Mental Health Services in Past Year among Persons Aged 18 to 22, by College Enrollment Status: Standard Errors of Numbers in Thousands, 2017 and 2018**

Past Year Mental Health Measure	Total <sup>1</sup> (2017)	Total <sup>1</sup> (2018)	Full-Time College Students (2017)	Full-Time College Students (2018)	Other Persons Aged 18-22 <sup>2</sup> (2017)	Other Persons Aged 18-22 <sup>2</sup> (2018)
<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	101	92	60	58	79	70
Made Any Suicide Plans <sup>4</sup>	59	50	30	24	51	42
Attempted Suicide <sup>4</sup>	41	39	19	15	37	33
Received Medical Attention for Suicide Attempt	27	23	13	13	24	18
Stayed Overnight or Longer in a Hospital for Suicide Attempt	23	16	5	9	23	12
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	183	148	122	104	114	104
Serious Mental Illness	75	70	50	45	58	54
Any Mental Illness Excluding Serious Mental Illness	155	129	101	90	96	87
No Mental Illness	329	315	219	205	208	208
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	112	99	74	67	79	75
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	35	35	13	16	33	28
Outpatient	89	89	65	64	59	55
Prescription Medication	103	84	72	60	68	60

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

<sup>1</sup> The Total column includes respondents with unknown enrollment status.

<sup>2</sup> Other Persons include respondents not enrolled in school, enrolled in college part time, enrolled in other grades either full or part time, or enrolled with no other information available.

<sup>3</sup> Respondents with unknown suicide information were excluded.

<sup>4</sup> Respondents were asked whether they made any suicide plans or attempted suicide in the past 12 months only if they had serious thoughts of suicide in the past 12 months. Respondents who had no suicide thoughts were categorized as not making any suicide plans and not attempting suicide in the past 12 months.

<sup>5</sup> Mental Illness 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 serious mental illness (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>6</sup> Respondents with unknown past year Major Depressive Episode (MDE) data were excluded.

<sup>7</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

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 8.65D Suicide Behavior and Treatment, Level of Mental Illness, Major Depressive Episode, and Mental Health Services in Past Year among Persons Aged 18 to 22, by College Enrollment Status: Standard Errors of Percentages, 2017 and 2018**

Past Year Mental Health Measure	Total <sup>1</sup> (2017)	Total <sup>1</sup> (2018)	Full-Time College Students (2017)	Full-Time College Students (2018)	Other Persons Aged 18-22 <sup>2</sup> (2017)	Other Persons Aged 18-22 <sup>2</sup> (2018)
<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	0.42	0.39	0.65	0.67	0.56	0.49
Made Any Suicide Plans <sup>4</sup>	0.27	0.23	0.37	0.32	0.37	0.31
Attempted Suicide <sup>4</sup>	0.20	0.18	0.25	0.19	0.28	0.24
Received Medical Attention for Suicide Attempt	0.13	0.11	0.17	0.17	0.18	0.13
Stayed Overnight or Longer in a Hospital for Suicide Attempt	0.11	0.07	0.07	0.11	0.17	0.09
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	0.60	0.55	1.03	1.01	0.71	0.67
Serious Mental Illness	0.33	0.32	0.57	0.56	0.42	0.39
Any Mental Illness Excluding Serious Mental Illness	0.55	0.50	0.96	0.91	0.62	0.59
No Mental Illness	0.60	0.55	1.03	1.01	0.71	0.67
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	0.46	0.42	0.75	0.73	0.57	0.52
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	0.17	0.16	0.17	0.20	0.24	0.21
Outpatient	0.37	0.39	0.70	0.73	0.43	0.40
Prescription Medication	0.42	0.36	0.77	0.68	0.48	0.42

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<sup>5</sup> Mental Illness 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 serious mental illness (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>6</sup> Respondents with unknown past year Major Depressive Episode (MDE) data were excluded.

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Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2017 and 2018.

**Table 8.65P Suicide Behavior and Treatment, Level of Mental Illness, Major Depressive Episode, and Mental Health Services in Past Year among Persons Aged 18 to 22, by College Enrollment Status: *P* Values from Tests of Differences of Percentages, 2018 Versus 2017**

Past Year Mental Health Measure	Total <sup>1</sup> (2017)	Total <sup>1</sup> (2018)	Full-Time College Students (2017)	Full-Time College Students (2018)	Other Persons Aged 18-22 <sup>2</sup> (2017)	Other Persons Aged 18-22 <sup>2</sup> (2018)
<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	0.8282		0.5922		0.4516	
Made Any Suicide Plans <sup>4</sup>	0.0246		0.2065		0.0519	
Attempted Suicide <sup>4</sup>	0.8007		0.6110		0.7904	
Received Medical Attention for Suicide Attempt	0.8523		0.6055		0.4490	
Stayed Overnight or Longer in a Hospital for Suicide Attempt	0.2476		0.0978		0.0282	
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	0.8126		0.1742		0.4190	
Serious Mental Illness	0.6854		0.6246		0.7693	
Any Mental Illness Excluding Serious Mental Illness	0.6013		0.0851		0.4557	
No Mental Illness	0.8126		0.1742		0.4190	
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	0.2944		0.3359		0.6062	
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	0.9345		0.2028		0.4719	
Outpatient	0.7390		0.3366		0.5621	
Prescription Medication	0.8038		0.8717		0.5274	

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<sup>4</sup> Respondents were asked whether they made any suicide plans or attempted suicide in the past 12 months only if they had serious thoughts of suicide in the past 12 months.

Respondents who had no suicide thoughts were categorized as not making any suicide plans and not attempting suicide in the past 12 months.

<sup>5</sup> Mental Illness 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 serious mental illness (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. 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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**Table 8.66C Suicide Behavior and Treatment, Level of Mental Illness, Major Depressive Episode, and Mental Health Services in Past Year among Males Aged 18 to 22, by College Enrollment Status: Standard Errors of Numbers in Thousands, 2017 and 2018**

Past Year Mental Health Measure	Total <sup>1</sup> (2017)	Total <sup>1</sup> (2018)	Full-Time Male College Students (2017)	Full-Time Male College Students (2018)	Other Males Aged 18-22 <sup>2</sup> (2017)	Other Males Aged 18-22 <sup>2</sup> (2018)
<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	61	62	30	36	52	48
Made Any Suicide Plans <sup>4</sup>	37	31	13	13	35	28
Attempted Suicide <sup>4</sup>	28	25	12	9	26	22
Received Medical Attention for Suicide Attempt	18	16	10	8	15	14
Stayed Overnight or Longer in a Hospital for Suicide Attempt	15	11	4	5	15	10
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	104	88	62	57	74	65
Serious Mental Illness	43	40	25	24	36	32
Any Mental Illness Excluding Serious Mental Illness	94	76	57	49	64	57
No Mental Illness	223	225	147	137	154	154
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	64	57	38	38	49	43
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	21	22	4	10	20	18
Outpatient	47	44	33	34	31	29
Prescription Medication	56	46	35	28	42	37

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<sup>3</sup> Respondents with unknown suicide information were excluded.

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<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	0.53	0.52	0.78	0.90	0.68	0.63
Made Any Suicide Plans <sup>4</sup>	0.34	0.28	0.36	0.34	0.48	0.38
Attempted Suicide <sup>4</sup>	0.26	0.23	0.34	0.23	0.36	0.31
Received Medical Attention for Suicide Attempt	0.17	0.15	0.27	0.21	0.21	0.19
Stayed Overnight or Longer in a Hospital for Suicide Attempt	0.14	0.10	0.11	0.14	0.21	0.13
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	0.78	0.69	1.36	1.27	0.92	0.81
Serious Mental Illness	0.39	0.35	0.69	0.63	0.49	0.43
Any Mental Illness Excluding Serious Mental Illness	0.73	0.62	1.30	1.12	0.81	0.75
No Mental Illness	0.78	0.69	1.36	1.27	0.92	0.81
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	0.57	0.49	0.99	0.93	0.68	0.58
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	0.20	0.20	0.12	0.27	0.28	0.25
Outpatient	0.41	0.39	0.83	0.86	0.44	0.40
Prescription Medication	0.49	0.40	0.86	0.71	0.58	0.50

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<sup>3</sup> Respondents with unknown suicide information were excluded.

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**Table 8.66P Suicide Behavior and Treatment, Level of Mental Illness, Major Depressive Episode, and Mental Health Services in Past Year among Males Aged 18 to 22, by College Enrollment Status: *P* Values from Tests of Differences of Percentages, 2018 Versus 2017**

Past Year Mental Health Measure	Total <sup>1</sup> (2017)	Total <sup>1</sup> (2018)	Full-Time Male College Students (2017)	Full-Time Male College Students (2018)	Other Males Aged 18-22 <sup>2</sup> (2017)	Other Males Aged 18-22 <sup>2</sup> (2018)
<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	0.6468		0.1563		0.6711	
Made Any Suicide Plans <sup>4</sup>	0.1477		0.9770		0.1036	
Attempted Suicide <sup>4</sup>	0.7079		0.3491		0.8647	
Received Medical Attention for Suicide Attempt	0.8763		0.9522		0.9075	
Stayed Overnight or Longer in a Hospital for Suicide Attempt	0.5007		0.5691		0.2913	
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	1.0000		0.4490		0.5858	
Serious Mental Illness	0.8637		0.8122		0.8840	
Any Mental Illness Excluding Serious Mental Illness	0.9217		0.3638		0.5979	
No Mental Illness	1.0000		0.4490		0.5858	
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	0.7926		0.8088		0.7085	
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	0.2461		0.0928		0.5346	
Outpatient	0.9939		0.9787		0.9474	
Prescription Medication	0.2521		0.2435		0.5886	

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<sup>5</sup> Mental Illness 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 serious mental illness (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. 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>6</sup> Respondents with unknown past year Major Depressive Episode (MDE) data were excluded.

<sup>7</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.

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Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2017 and 2018.

**Table 8.67C Suicide Behavior and Treatment, Level of Mental Illness, Major Depressive Episode, and Mental Health Services in Past Year among Females Aged 18 to 22, by College Enrollment Status: Standard Errors of Numbers in Thousands, 2017 and 2018**

Past Year Mental Health Measure	Total <sup>1</sup> (2017)	Total <sup>1</sup> (2018)	Full-Time Female College Students (2017)	Full-Time Female College Students (2018)	Other Females Aged 18-22 <sup>2</sup> (2017)	Other Females Aged 18-22 <sup>2</sup> (2018)
<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	75	67	48	41	59	52
Made Any Suicide Plans <sup>4</sup>	45	41	26	20	37	33
Attempted Suicide <sup>4</sup>	30	29	14	13	26	25
Received Medical Attention for Suicide Attempt	20	18	9	10	19	13
Stayed Overnight or Longer in a Hospital for Suicide Attempt	17	12	4	7	17	8
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	122	112	86	80	82	80
Serious Mental Illness	61	58	42	36	47	46
Any Mental Illness Excluding Serious Mental Illness	100	95	66	69	68	64
No Mental Illness	184	178	127	123	124	126
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	86	83	59	57	61	61
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	28	27	12	12	26	22
Outpatient	69	69	49	51	50	46
Prescription Medication	80	69	57	52	54	50

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<sup>3</sup> Respondents with unknown suicide information were excluded.

<sup>4</sup> Respondents were asked whether they made any suicide plans or attempted suicide in the past 12 months only if they had serious thoughts of suicide in the past 12 months.

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<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	0.67	0.61	1.01	0.94	0.89	0.78
Made Any Suicide Plans <sup>4</sup>	0.43	0.39	0.62	0.50	0.59	0.51
Attempted Suicide <sup>4</sup>	0.29	0.28	0.36	0.31	0.42	0.39
Received Medical Attention for Suicide Attempt	0.20	0.17	0.22	0.26	0.30	0.21
Stayed Overnight or Longer in a Hospital for Suicide Attempt	0.17	0.11	0.10	0.18	0.27	0.13
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	0.84	0.86	1.47	1.46	1.06	1.06
Serious Mental Illness	0.55	0.55	0.91	0.86	0.71	0.69
Any Mental Illness Excluding Serious Mental Illness	0.75	0.76	1.26	1.31	0.95	0.91
No Mental Illness	0.84	0.86	1.47	1.46	1.06	1.06
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	0.73	0.73	1.21	1.21	0.91	0.91
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	0.27	0.26	0.29	0.30	0.41	0.33
Outpatient	0.60	0.61	1.04	1.06	0.77	0.70
Prescription Medication	0.68	0.59	1.20	1.08	0.78	0.72

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<b>SUICIDE BEHAVIOR AND TREATMENT<sup>3</sup></b>						
Had Serious Thoughts of Suicide	0.4664		0.6834		0.4854	
Made Any Suicide Plans <sup>4</sup>	0.0980		0.1430		0.2681	
Attempted Suicide <sup>4</sup>	1.0000		0.9057		0.8170	
Received Medical Attention for Suicide Attempt	0.7010		0.4418		0.2824	
Stayed Overnight or Longer in a Hospital for Suicide Attempt	0.3667		0.0958		0.0464	
<b>LEVEL OF MENTAL ILLNESS<sup>5</sup></b>						
Any Mental Illness	0.7653		0.2334		0.4845	
Serious Mental Illness	0.6941		0.7001		0.7505	
Any Mental Illness Excluding Serious Mental Illness	0.5426		0.1147		0.5768	
No Mental Illness	0.7653		0.2334		0.4845	
<b>MAJOR DEPRESSIVE EPISODE<sup>6</sup></b>	0.2706		0.1784		0.7640	
<b>MENTAL HEALTH SERVICES<sup>7</sup></b>						
Inpatient	0.4150		0.6631		0.1376	
Outpatient	0.6820		0.1941		0.4565	
Prescription Medication	0.6297		0.3332		0.6722	

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

<sup>1</sup> The Total column includes respondents with unknown enrollment status.

<sup>2</sup> Other Females include respondents not enrolled in school, enrolled in college part time, enrolled in other grades either full or part time, or enrolled with no other information available.

<sup>3</sup> Respondents with unknown suicide information were excluded.

<sup>4</sup> Respondents were asked whether they made any suicide plans or attempted suicide in the past 12 months only if they had serious thoughts of suicide in the past 12 months.

Respondents who had no suicide thoughts were categorized as not making any suicide plans and not attempting suicide in the past 12 months.

<sup>5</sup> Mental Illness 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 serious mental illness (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. 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>6</sup> Respondents with unknown past year Major Depressive Episode (MDE) data were excluded.

<sup>7</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

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.