

**National Survey on Drug Use and Health:  
Comparison of 2014-2015 and 2015-2016  
Population Percentages  
(50 States and the District of Columbia)**

**Table 1 Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	13.36 <sup>a</sup>	13.71	0.016	12.86 <sup>a</sup>	12.29	0.012	32.07	32.60	0.160	10.25 <sup>a</sup>	10.73	0.003	13.41 <sup>a</sup>	13.85	0.005
Northeast	14.66	14.84	0.514	13.51 <sup>a</sup>	12.39	0.005	36.45	37.45	0.166	11.22	11.45	0.470	14.77	15.07	0.316
Midwest	12.76	13.06	0.173	12.33	12.67	0.334	32.20	31.69	0.334	9.51 <sup>b</sup>	9.97	0.083	12.80	13.10	0.217
South	11.64	11.78	0.480	11.88 <sup>a</sup>	11.25	0.035	29.20	29.66	0.336	8.67	8.90	0.300	11.62	11.83	0.300
West	15.62 <sup>a</sup>	16.49	0.003	14.43 <sup>b</sup>	13.55	0.063	33.19 <sup>b</sup>	34.39	0.064	12.71 <sup>a</sup>	13.79	0.002	15.75 <sup>a</sup>	16.80	0.001
Alabama	9.60	9.50	0.834	9.71	10.11	0.663	26.13	25.90	0.876	6.81	6.72	0.868	9.59	9.44	0.772
Alaska	21.92	23.00	0.240	18.44	18.86	0.774	40.69	41.88	0.511	18.76	20.09	0.259	22.31	23.46	0.260
Arizona	13.12	12.22	0.141	13.45	11.86	0.152	31.15	28.68	0.160	9.97	9.48	0.497	13.08	12.26	0.222
Arkansas	11.59	11.14	0.375	12.14	10.69	0.151	27.06	26.24	0.614	8.93	8.68	0.686	11.54	11.18	0.534
California	15.25 <sup>a</sup>	16.23	0.017	14.11	13.23	0.228	32.72	33.98	0.201	12.25 <sup>a</sup>	13.50	0.012	15.36 <sup>a</sup>	16.54	0.009
Colorado	23.09	23.12	0.966	18.35	16.21	0.133	45.24	47.54	0.199	19.91	19.85	0.957	23.57	23.82	0.787
Connecticut	15.67	15.08	0.382	15.63	14.11	0.209	42.10	43.54	0.471	11.41	10.57	0.285	15.68	15.18	0.498
Delaware	13.06	13.18	0.834	13.04	14.37	0.294	37.32	35.82	0.391	9.17	9.57	0.569	13.06	13.07	0.985
District of Columbia	23.51	24.68	0.237	16.55 <sup>a</sup>	13.58	0.026	43.78 <sup>a</sup>	51.00	0.001	19.71	19.99	0.806	23.90	25.30	0.180
Florida	12.59	13.07	0.241	13.49	12.72	0.301	32.88	33.66	0.474	9.57	10.21	0.179	12.51	13.10	0.175
Georgia	12.67	12.46	0.645	11.68	10.90	0.348	29.38	30.40	0.429	9.87	9.57	0.600	12.79	12.64	0.772
Hawaii	12.72	13.05	0.649	13.77	13.38	0.731	27.21	28.07	0.595	10.37	10.82	0.617	12.62	13.02	0.617
Idaho	11.40	11.62	0.683	13.31	11.73	0.149	25.66	25.36	0.855	8.68	9.30	0.361	11.17	11.61	0.468
Illinois	12.47	12.31	0.727	11.53	11.87	0.647	31.96	32.55	0.631	9.33	9.03	0.564	12.56	12.36	0.669
Indiana	13.88	13.35	0.309	13.83	13.47	0.755	33.55 <sup>b</sup>	30.41	0.059	10.40	10.32	0.896	13.89	13.33	0.333
Iowa	9.05	9.75	0.133	9.46	10.48	0.266	27.32	26.60	0.674	5.73 <sup>b</sup>	6.65	0.073	9.01	9.68	0.190
Kansas	12.38 <sup>a</sup>	11.17	0.013	12.45	12.42	0.971	29.27	26.92	0.159	9.27 <sup>b</sup>	8.15	0.052	12.37 <sup>a</sup>	11.03	0.014
Kentucky	12.28	12.79	0.358	11.68	12.30	0.524	28.68	29.45	0.636	9.62	10.11	0.469	12.34	12.84	0.418
Louisiana	11.22	11.22	0.997	10.04	10.20	0.862	27.56	28.25	0.660	8.50	8.45	0.926	11.35	11.33	0.972
Maine	19.69	19.81	0.898	17.51	16.22	0.353	41.80	41.89	0.963	16.91	17.19	0.807	19.88	20.12	0.815
Maryland	15.13	15.50	0.559	14.45	13.85	0.625	39.01	41.94	0.107	11.41	11.56	0.840	15.20	15.67	0.498
Massachusetts	18.26	18.64	0.621	15.91	14.45	0.249	42.21	43.58	0.451	14.33	14.75	0.652	18.47	19.02	0.514
Michigan	15.10	15.68	0.252	14.04	14.36	0.706	33.41	34.60	0.328	12.08	12.61	0.382	15.21	15.81	0.274
Minnesota	12.69	12.91	0.710	11.43	12.76	0.220	35.56 <sup>a</sup>	32.12	0.046	9.17	9.86	0.309	12.82	12.92	0.873
Mississippi	8.67 <sup>b</sup>	9.46	0.087	9.54	9.66	0.890	21.69	23.41	0.249	6.19	6.95	0.158	8.57 <sup>b</sup>	9.43	0.088
Missouri	13.53	13.19	0.549	12.94	12.55	0.702	32.67	32.40	0.871	10.39	10.09	0.655	13.59	13.26	0.593
Montana	15.38 <sup>a</sup>	18.41	0.000	14.62 <sup>b</sup>	17.04	0.051	33.33 <sup>a</sup>	38.05	0.006	12.49 <sup>a</sup>	15.36	0.003	15.45 <sup>a</sup>	18.54	0.000

See notes at end of file.

(continued)

**Table 1 Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	10.75	11.33	0.294	10.24	11.36	0.284	30.47	29.84	0.723	7.28	8.00	0.230	10.81	11.32	0.389
Nevada	12.95	13.13	0.784	13.50	14.66	0.363	30.46	29.39	0.531	10.19	10.51	0.686	12.89	12.98	0.909
New Hampshire	17.35	17.58	0.770	16.41 <sup>b</sup>	14.24	0.074	41.98	40.68	0.498	13.57	14.30	0.440	17.44	17.89	0.600
New Jersey	11.86	12.01	0.780	12.41 <sup>b</sup>	10.80	0.072	32.75	35.35	0.103	8.66	8.66	0.996	11.81	12.14	0.575
New Mexico	14.72	15.83	0.192	15.15	15.34	0.870	31.08	32.79	0.331	11.87	13.04	0.257	14.67	15.88	0.195
New York	15.04	14.86	0.686	13.17	12.37	0.253	35.95	36.96	0.389	11.68	11.43	0.638	15.21	15.09	0.795
North Carolina	11.79	11.90	0.805	11.44	10.90	0.541	31.25	30.48	0.578	8.61	9.02	0.443	11.82	12.00	0.718
North Dakota	9.90	9.80	0.848	11.79	11.99	0.848	26.65	24.59	0.218	5.90	6.34	0.408	9.72	9.60	0.824
Ohio	12.13 <sup>a</sup>	13.81	0.000	11.35	12.01	0.384	32.04	33.01	0.408	9.00 <sup>a</sup>	10.95	0.000	12.21 <sup>a</sup>	14.00	0.000
Oklahoma	11.28	11.18	0.859	11.74	11.10	0.549	27.59	26.58	0.548	8.32	8.49	0.793	11.23	11.19	0.948
Oregon	19.42 <sup>a</sup>	22.70	0.000	17.56	17.35	0.881	39.83 <sup>a</sup>	44.03	0.017	16.47 <sup>a</sup>	20.01	0.001	19.59 <sup>a</sup>	23.19	0.000
Pennsylvania	12.35	13.05	0.101	11.88	10.93	0.199	32.36	32.45	0.942	9.21 <sup>a</sup>	10.24	0.041	12.40 <sup>b</sup>	13.25	0.066
Rhode Island	18.81 <sup>b</sup>	20.31	0.065	16.28	16.85	0.652	43.84	42.32	0.470	14.44 <sup>a</sup>	16.66	0.022	19.04 <sup>b</sup>	20.62	0.074
South Carolina	12.56 <sup>a</sup>	10.92	0.005	12.02	11.21	0.419	31.90	29.46	0.111	9.43 <sup>a</sup>	7.92	0.029	12.61 <sup>a</sup>	10.89	0.007
South Dakota	10.77 <sup>b</sup>	11.85	0.060	10.86	11.98	0.294	27.84	26.51	0.415	7.76 <sup>a</sup>	9.29	0.027	10.76 <sup>b</sup>	11.84	0.087
Tennessee	11.05 <sup>a</sup>	12.82	0.001	11.21	11.83	0.529	26.95	29.54	0.103	8.41 <sup>a</sup>	10.23	0.007	11.03 <sup>a</sup>	12.92	0.002
Texas	10.10	10.14	0.898	11.70 <sup>b</sup>	10.47	0.061	25.21	25.42	0.831	7.07	7.30	0.547	9.90	10.10	0.578
Utah	9.07	9.62	0.253	9.00	9.64	0.469	21.44	21.76	0.846	6.25	6.87	0.268	9.09	9.62	0.318
Vermont	20.50	21.79	0.148	17.04	15.64	0.274	48.30	48.06	0.913	16.00 <sup>b</sup>	17.81	0.089	20.80	22.32	0.117
Virginia	11.54	11.06	0.286	11.42	10.51	0.287	30.07	30.81	0.587	8.46	7.89	0.300	11.55	11.11	0.377
Washington	17.49 <sup>b</sup>	18.93	0.083	15.61 <sup>b</sup>	13.54	0.098	35.03 <sup>b</sup>	38.12	0.098	14.90	16.49	0.106	17.68 <sup>a</sup>	19.45	0.049
West Virginia	11.07	11.45	0.505	12.15	12.30	0.877	30.27	28.07	0.195	8.09	8.90	0.208	10.97	11.37	0.515
Wisconsin	12.05	12.18	0.809	14.04	13.90	0.894	32.24	30.44	0.292	8.47	8.96	0.440	11.85	12.01	0.788
Wyoming	10.87	10.62	0.663	13.30	12.63	0.569	27.41	26.98	0.809	7.77	7.68	0.890	10.62	10.42	0.742

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 2 Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	8.34 <sup>a</sup>	8.60	0.023	7.20 <sup>a</sup>	6.75	0.017	19.70 <sup>b</sup>	20.30	0.051	6.55 <sup>a</sup>	6.88	0.013	8.45 <sup>a</sup>	8.79	0.007
Northeast	9.28	9.50	0.317	7.73 <sup>b</sup>	7.15	0.069	22.64 <sup>b</sup>	23.64	0.086	7.27	7.46	0.420	9.43	9.72	0.217
Midwest	7.92 <sup>a</sup>	8.28	0.018	6.80	6.69	0.645	19.29	19.28	0.974	6.12 <sup>a</sup>	6.63	0.006	8.03 <sup>a</sup>	8.45	0.013
South	7.02	7.05	0.862	6.49	6.13	0.108	17.79	17.74	0.891	5.28	5.40	0.495	7.08	7.14	0.683
West	10.08 <sup>a</sup>	10.68	0.009	8.31 <sup>a</sup>	7.52	0.026	20.85 <sup>a</sup>	22.73	0.003	8.42 <sup>a</sup>	9.01	0.029	10.26 <sup>a</sup>	11.01	0.003
Alabama	5.35	5.25	0.758	5.16	5.20	0.943	14.33	14.25	0.942	3.86	3.77	0.795	5.37	5.25	0.746
Alaska	14.38 <sup>a</sup>	16.03	0.031	10.64	10.43	0.831	25.02 <sup>b</sup>	27.65	0.095	12.83 <sup>b</sup>	14.65	0.061	14.80 <sup>a</sup>	16.66	0.029
Arizona	8.51 <sup>a</sup>	7.42	0.017	7.71	6.75	0.177	18.92	17.81	0.383	6.81 <sup>a</sup>	5.74	0.047	8.59 <sup>a</sup>	7.49	0.029
Arkansas	7.17	6.98	0.642	6.46	5.59	0.192	16.93	15.49	0.213	5.62	5.74	0.808	7.25	7.13	0.793
California	9.67 <sup>a</sup>	10.51	0.012	8.32 <sup>b</sup>	7.33	0.066	20.52 <sup>a</sup>	23.09	0.007	7.90 <sup>a</sup>	8.70	0.037	9.82 <sup>a</sup>	10.84	0.005
Colorado	16.57	15.92	0.385	11.13 <sup>a</sup>	9.08	0.046	31.75	32.20	0.791	14.65	14.00	0.467	17.12	16.62	0.533
Connecticut	9.59	9.36	0.641	8.34	7.95	0.643	24.99	26.94	0.228	7.25	6.66	0.315	9.72	9.50	0.688
Delaware	8.05 <sup>b</sup>	8.88	0.073	7.42	7.35	0.938	21.19	23.29	0.134	6.01	6.83	0.125	8.11 <sup>b</sup>	9.03	0.070
District of Columbia	11.93 <sup>a</sup>	14.08	0.004	8.85	8.07	0.406	26.19 <sup>a</sup>	32.39	0.000	9.14 <sup>b</sup>	10.70	0.064	12.10 <sup>a</sup>	14.41	0.003
Florida	7.78	7.65	0.680	6.78	7.03	0.636	20.74	19.82	0.275	6.01	6.00	0.984	7.87	7.70	0.627
Georgia	7.79	7.22	0.114	6.92	6.40	0.380	18.59	18.12	0.667	6.00	5.45	0.185	7.89	7.31	0.151
Hawaii	7.95	8.18	0.635	6.15	6.63	0.504	16.09 <sup>b</sup>	18.66	0.053	6.88	6.81	0.910	8.11	8.32	0.694
Idaho	6.34	6.93	0.161	6.51	5.77	0.278	13.69	14.70	0.386	5.06	5.79	0.137	6.32	7.07	0.108
Illinois	7.91	7.90	0.973	6.55	6.71	0.762	19.63	20.87	0.204	6.13	5.91	0.559	8.06	8.03	0.933
Indiana	8.72	8.75	0.942	8.08	7.23	0.250	20.71	19.60	0.408	6.67	7.03	0.488	8.79	8.91	0.790
Iowa	4.78 <sup>a</sup>	5.47	0.029	5.30	5.38	0.897	12.67	13.25	0.614	3.30 <sup>a</sup>	4.09	0.027	4.72 <sup>a</sup>	5.48	0.031
Kansas	7.28	6.91	0.342	6.43	6.15	0.678	15.73	15.73	0.994	5.85	5.41	0.335	7.38	7.00	0.375
Kentucky	7.06	7.02	0.926	6.36	6.13	0.718	16.72	15.79	0.429	5.54	5.69	0.753	7.13	7.11	0.966
Louisiana	6.32	6.82	0.174	5.33	5.70	0.566	16.22	17.46	0.283	4.71	5.15	0.312	6.43	6.94	0.204
Maine	13.66	14.69	0.223	10.01	9.70	0.760	29.72	30.85	0.550	11.84	13.00	0.231	13.98	15.12	0.210
Maryland	9.62	10.22	0.248	9.20 <sup>b</sup>	7.78	0.072	24.87	27.34	0.114	7.24	7.83	0.332	9.66	10.47	0.158
Massachusetts	11.68	11.85	0.778	9.22	8.68	0.499	27.39	27.58	0.908	9.21	9.45	0.722	11.91	12.14	0.722
Michigan	10.08	10.55	0.249	8.06	7.98	0.880	22.78	22.07	0.478	8.14	8.89	0.128	10.29	10.81	0.244
Minnesota	7.60	7.32	0.515	6.21	5.88	0.622	19.30	17.42	0.156	5.88	5.88	0.998	7.74	7.47	0.556
Mississippi	5.35	5.69	0.339	5.29	4.95	0.574	13.91	14.46	0.659	3.81	4.23	0.277	5.36	5.77	0.284
Missouri	8.02	8.13	0.813	6.56	6.23	0.583	19.46	18.42	0.450	6.28	6.65	0.468	8.17	8.32	0.759
Montana	11.09	12.02	0.151	8.71	8.43	0.732	22.88	23.89	0.477	9.41	10.48	0.157	11.32	12.36	0.136

See notes at end of file.

(continued)

**Table 2 Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	6.29 <sup>a</sup>	7.21	0.020	5.26	5.74	0.477	16.83	17.35	0.699	4.53 <sup>a</sup>	5.58	0.014	6.40 <sup>a</sup>	7.37	0.024
Nevada	7.81	8.25	0.401	7.39	8.65	0.140	17.05	18.25	0.374	6.43	6.71	0.661	7.85	8.21	0.532
New Hampshire	12.06	12.06	0.997	9.44	8.06	0.103	29.12	28.30	0.621	9.65	9.93	0.704	12.31	12.42	0.858
New Jersey	7.01	6.77	0.521	6.81 <sup>b</sup>	5.72	0.078	18.96	20.55	0.267	5.23	4.83	0.312	7.03	6.87	0.708
New Mexico	10.14	10.50	0.559	8.53	9.46	0.258	20.61	22.85	0.157	8.55	8.55	0.996	10.31	10.61	0.659
New York	9.56	9.68	0.715	7.55	7.28	0.598	22.69	23.38	0.462	7.54	7.65	0.780	9.75	9.90	0.667
North Carolina	7.29	7.72	0.273	5.97	5.80	0.783	19.04	19.92	0.405	5.51	5.98	0.309	7.43	7.92	0.251
North Dakota	5.95	5.61	0.337	6.21	5.63	0.362	14.77	13.92	0.455	3.93	3.80	0.721	5.92	5.61	0.408
Ohio	7.65 <sup>a</sup>	8.95	0.000	6.05	6.41	0.490	19.55	20.79	0.194	5.91 <sup>a</sup>	7.35	0.000	7.82 <sup>a</sup>	9.21	0.000
Oklahoma	6.24	5.99	0.492	5.42	5.20	0.732	14.87	14.02	0.478	4.82	4.68	0.750	6.33	6.07	0.527
Oregon	12.73 <sup>a</sup>	15.71	0.000	9.42	9.77	0.724	26.29 <sup>a</sup>	30.60	0.010	10.99 <sup>a</sup>	14.07	0.001	13.04 <sup>a</sup>	16.26	0.000
Pennsylvania	7.73	8.20	0.146	6.98	6.25	0.167	18.97	20.04	0.270	6.02	6.55	0.148	7.80 <sup>b</sup>	8.38	0.097
Rhode Island	13.02 <sup>a</sup>	15.21	0.002	10.19	10.50	0.723	28.89	32.00	0.102	10.39 <sup>a</sup>	12.65	0.009	13.28 <sup>a</sup>	15.63	0.003
South Carolina	8.11 <sup>a</sup>	6.82	0.002	6.57	6.40	0.812	21.07	19.66	0.271	6.16 <sup>a</sup>	4.81	0.005	8.27 <sup>a</sup>	6.86	0.002
South Dakota	6.93 <sup>b</sup>	7.60	0.099	6.43	6.72	0.682	17.05	17.09	0.974	5.22 <sup>b</sup>	6.06	0.072	6.99	7.70	0.108
Tennessee	6.34 <sup>a</sup>	7.82	0.000	5.90	6.16	0.678	15.95 <sup>b</sup>	18.34	0.056	4.81 <sup>a</sup>	6.32	0.002	6.38 <sup>a</sup>	7.99	0.000
Texas	6.10	5.91	0.487	6.86 <sup>b</sup>	5.94	0.051	15.08	14.58	0.538	4.32	4.33	0.991	6.00	5.91	0.752
Utah	5.04	5.25	0.538	4.54	4.32	0.715	11.07	12.07	0.363	3.75	3.86	0.771	5.11	5.38	0.470
Vermont	14.74 <sup>a</sup>	16.96	0.004	10.86	9.44	0.194	34.95	38.16	0.109	11.61 <sup>a</sup>	14.00	0.009	15.08 <sup>a</sup>	17.60	0.002
Virginia	6.63	6.86	0.484	5.44	5.35	0.871	17.82	17.94	0.910	4.90	5.22	0.389	6.74	7.01	0.467
Washington	11.22	12.02	0.240	9.17	7.93	0.123	21.87	23.30	0.317	9.74	10.69	0.253	11.42	12.41	0.182
West Virginia	6.92	6.76	0.688	6.05	5.94	0.849	18.89 <sup>b</sup>	16.56	0.072	5.22	5.39	0.700	7.00	6.83	0.703
Wisconsin	6.89	7.38	0.252	7.60	6.96	0.354	17.52	17.26	0.836	5.05	5.80	0.121	6.82	7.42	0.194
Wyoming	6.32	6.27	0.875	6.59	5.81	0.204	15.64	15.00	0.612	4.71	4.88	0.679	6.30	6.31	0.967

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 3 First Use of Marijuana, by Age Group and State: Average Annual Incidence Estimates (Expressed as Percentages of the At-Risk Population) and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	1.95	1.96	0.810	5.41	5.25	0.182	7.88	7.74	0.529	0.31 <sup>a</sup>	0.39	0.002	1.36	1.40	0.332
Northeast	2.04	2.07	0.596	5.55	5.34	0.253	8.67	8.85	0.608	0.34 <sup>a</sup>	0.44	0.015	1.47	1.54	0.276
Midwest	1.96	2.04	0.111	5.12	5.25	0.433	8.14	8.16	0.936	0.29 <sup>a</sup>	0.38	0.004	1.39	1.47	0.146
South	1.75	1.70	0.253	5.13	4.91	0.105	7.12	6.78	0.176	0.26	0.29	0.231	1.20	1.17	0.643
West	2.21	2.24	0.632	6.02	5.75	0.207	8.32	8.18	0.701	0.41 <sup>a</sup>	0.53	0.002	1.54	1.62	0.211
Alabama	1.49	1.53	0.655	4.36	4.19	0.683	6.39	6.39	0.994	0.20	0.27	0.116	1.05	1.12	0.444
Alaska	3.54	3.56	0.927	7.52	7.79	0.691	10.69	10.76	0.947	0.74	0.81	0.684	2.52	2.51	0.949
Arizona	2.15	2.01	0.159	6.09 <sup>b</sup>	5.12	0.051	8.36	7.31	0.162	0.35 <sup>a</sup>	0.50	0.005	1.44	1.46	0.862
Arkansas	1.84	1.72	0.179	5.37 <sup>b</sup>	4.56	0.068	7.08	6.71	0.546	0.26	0.31	0.287	1.23	1.23	0.994
California	2.16	2.08	0.364	5.89	5.68	0.506	8.17	7.57	0.253	0.42	0.48	0.190	1.53	1.48	0.535
Colorado	3.18 <sup>a</sup>	3.84	0.003	8.16	7.74	0.546	12.05 <sup>a</sup>	15.97	0.006	0.53 <sup>a</sup>	0.83	0.015	2.13 <sup>a</sup>	2.99	0.000
Connecticut	2.42	2.31	0.383	6.61	5.78	0.130	9.80	9.91	0.903	0.37 <sup>b</sup>	0.49	0.097	1.63	1.68	0.731
Delaware	1.83	1.93	0.352	5.29	5.88	0.285	7.73	7.76	0.971	0.29	0.37	0.101	1.26	1.30	0.694
District of Columbia	3.60	3.66	0.837	8.26 <sup>a</sup>	6.85	0.045	12.98	14.69	0.193	0.78	0.99	0.289	2.99	3.24	0.366
Florida	1.67	1.66	0.956	5.57	5.62	0.867	7.39	7.31	0.879	0.28	0.32	0.248	1.11	1.12	0.974
Georgia	1.94 <sup>b</sup>	1.76	0.063	5.17	4.62	0.163	7.58	7.07	0.407	0.28	0.29	0.738	1.34	1.25	0.390
Hawaii	2.04	1.96	0.574	6.31	6.56	0.687	6.99	8.25	0.146	0.59 <sup>b</sup>	0.42	0.089	1.42	1.31	0.437
Idaho	1.82	1.80	0.878	5.50 <sup>a</sup>	4.20	0.009	6.13	6.28	0.825	0.25 <sup>a</sup>	0.39	0.005	1.12 <sup>b</sup>	1.31	0.080
Illinois	1.81	1.84	0.776	4.59	5.04	0.180	7.97	7.90	0.905	0.29	0.31	0.561	1.33	1.30	0.768
Indiana	2.30	2.15	0.175	5.97	5.55	0.393	8.97	7.88	0.175	0.33	0.40	0.170	1.59	1.52	0.530
Iowa	1.66 <sup>b</sup>	1.83	0.076	4.31	4.45	0.748	7.90	7.77	0.850	0.21 <sup>a</sup>	0.31	0.015	1.25	1.40	0.141
Kansas	1.85	1.89	0.711	5.01	4.74	0.577	7.28	6.48	0.258	0.26 <sup>a</sup>	0.48	0.000	1.29	1.39	0.403
Kentucky	1.63 <sup>a</sup>	1.83	0.037	4.62	5.04	0.348	6.48	7.17	0.296	0.23	0.31	0.105	1.12	1.28	0.108
Louisiana	1.74	1.66	0.384	4.46	4.68	0.633	7.80 <sup>a</sup>	6.45	0.050	0.24	0.28	0.310	1.29	1.15	0.148
Maine	2.50	2.31	0.138	7.45 <sup>a</sup>	6.29	0.036	10.31	9.58	0.459	0.42	0.48	0.458	1.61	1.60	0.980
Maryland	2.33	2.24	0.472	6.12	5.93	0.721	9.86	10.13	0.783	0.38	0.46	0.233	1.62	1.59	0.796
Massachusetts	2.56	2.80	0.115	6.82	6.49	0.575	10.16	10.85	0.508	0.43 <sup>a</sup>	0.72	0.002	1.83 <sup>b</sup>	2.15	0.055
Michigan	2.23	2.29	0.535	5.79	5.74	0.899	8.17	8.06	0.851	0.35 <sup>a</sup>	0.54	0.000	1.54	1.65	0.286
Minnesota	1.84 <sup>a</sup>	2.19	0.008	4.39 <sup>a</sup>	5.41	0.050	8.36	8.86	0.562	0.29 <sup>a</sup>	0.40	0.048	1.37	1.58	0.102
Mississippi	1.48	1.56	0.336	4.41	4.45	0.921	5.92	6.39	0.446	0.18	0.19	0.890	1.02	1.09	0.409
Missouri	2.08	2.18	0.389	5.62	5.12	0.297	9.06	9.59	0.527	0.28	0.36	0.161	1.46 <sup>b</sup>	1.66	0.099
Montana	2.30 <sup>a</sup>	2.91	0.000	6.19	7.02	0.161	8.67 <sup>a</sup>	10.46	0.040	0.38 <sup>a</sup>	0.63	0.001	1.58 <sup>a</sup>	2.11	0.000

See notes at end of file.

(continued)

**Table 3 First Use of Marijuana, by Age Group and State: Average Annual Incidence Estimates (Expressed as Percentages of the At-Risk Population) and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	1.52 <sup>a</sup>	1.87	0.006	3.51 <sup>b</sup>	4.32	0.079	7.13	8.49	0.117	0.22	0.29	0.137	1.19 <sup>a</sup>	1.45	0.042
Nevada	2.26	2.23	0.798	6.28	6.83	0.372	9.85 <sup>a</sup>	7.66	0.011	0.39 <sup>a</sup>	0.58	0.010	1.56	1.45	0.366
New Hampshire	2.84	2.70	0.354	6.82 <sup>b</sup>	5.92	0.089	10.88	10.98	0.922	0.47	0.46	0.951	2.00	2.04	0.827
New Jersey	1.74	1.72	0.894	4.99	4.50	0.210	7.83	8.18	0.627	0.30	0.35	0.253	1.22	1.28	0.554
New Mexico	2.01 <sup>a</sup>	2.50	0.000	6.71	6.99	0.640	6.90 <sup>a</sup>	8.79	0.020	0.36 <sup>a</sup>	0.60	0.001	1.21 <sup>a</sup>	1.69	0.000
New York	2.02	2.04	0.796	5.43	5.58	0.630	8.63	8.54	0.881	0.36	0.42	0.194	1.50	1.50	0.978
North Carolina	1.88	1.86	0.869	5.35	5.10	0.539	7.81	7.27	0.394	0.27 <sup>a</sup>	0.37	0.026	1.28	1.31	0.785
North Dakota	1.83 <sup>b</sup>	2.06	0.057	4.91	4.61	0.506	6.68 <sup>b</sup>	7.88	0.097	0.26	0.34	0.120	1.38 <sup>a</sup>	1.69	0.023
Ohio	1.86	1.91	0.590	4.90	5.14	0.506	7.92	8.04	0.837	0.27	0.30	0.517	1.31	1.33	0.872
Oklahoma	1.80	1.83	0.745	5.62 <sup>a</sup>	4.59	0.039	6.03	5.78	0.694	0.27 <sup>a</sup>	0.50	0.000	1.14 <sup>b</sup>	1.33	0.063
Oregon	2.48	2.67	0.158	6.85	6.46	0.505	9.74	10.18	0.616	0.45 <sup>a</sup>	0.66	0.028	1.69 <sup>b</sup>	1.96	0.062
Pennsylvania	1.76	1.80	0.675	4.74	4.56	0.596	7.65	8.08	0.475	0.29	0.35	0.226	1.28	1.35	0.424
Rhode Island	2.50 <sup>b</sup>	2.77	0.061	6.71	7.23	0.382	10.32	9.57	0.435	0.39 <sup>a</sup>	0.68	0.001	1.78	2.00	0.151
South Carolina	1.91 <sup>a</sup>	1.73	0.050	5.82 <sup>a</sup>	4.81	0.023	8.06	7.68	0.602	0.26	0.32	0.234	1.28	1.25	0.762
South Dakota	1.66 <sup>a</sup>	1.94	0.010	4.45	4.75	0.499	7.17	7.32	0.835	0.24 <sup>a</sup>	0.45	0.000	1.20 <sup>a</sup>	1.46	0.022
Tennessee	1.55	1.64	0.312	4.46	4.96	0.265	6.71	6.53	0.770	0.22	0.27	0.204	1.09	1.11	0.800
Texas	1.65 <sup>a</sup>	1.50	0.043	4.87	4.52	0.244	6.08	5.50	0.181	0.23	0.18	0.147	1.08	0.97	0.117
Utah	1.38 <sup>a</sup>	1.63	0.036	3.05	3.47	0.323	4.93	5.71	0.235	0.18 <sup>a</sup>	0.29	0.046	1.05 <sup>b</sup>	1.26	0.097
Vermont	2.86	3.08	0.206	6.97	6.53	0.436	13.02	12.40	0.637	0.45 <sup>a</sup>	0.70	0.027	2.10	2.41	0.126
Virginia	1.90	1.86	0.678	5.03	4.92	0.790	8.10	7.61	0.439	0.29	0.33	0.447	1.38	1.34	0.678
Washington	2.30	2.44	0.291	5.96	5.39	0.277	9.00	8.54	0.573	0.41 <sup>a</sup>	0.74	0.000	1.63 <sup>b</sup>	1.88	0.073
West Virginia	1.71	1.73	0.815	5.66	5.53	0.789	7.97	7.41	0.466	0.23	0.28	0.337	1.13	1.16	0.808
Wisconsin	2.12	2.27	0.166	6.05	5.91	0.792	8.24	8.68	0.580	0.31 <sup>a</sup>	0.44	0.026	1.43	1.62	0.104
Wyoming	1.81	1.93	0.250	5.33	4.96	0.447	7.22	7.66	0.532	0.26 <sup>a</sup>	0.41	0.007	1.21 <sup>b</sup>	1.42	0.061

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: *Average annual initiation of marijuana (%) = 100 \* {[X<sub>1</sub> ÷ (0.5 \* X<sub>1</sub> + X<sub>2</sub>)] ÷ 2}*, where X<sub>1</sub> is the number of marijuana initiates in the past 24 months and X<sub>2</sub> is the number of individuals who never used marijuana (with the at-risk population defined as 0.5 \* X<sub>1</sub> + X<sub>2</sub>). Both of the computation components, X<sub>1</sub> and X<sub>2</sub>, are based on a survey-weighted hierarchical Bayes estimation approach. The age group shown is based on a respondent's age at the time of the interview, not his or her age at first use. For details, see Section B of the "2015-2016 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 4 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	1.76 <sup>b</sup>	1.84	0.093	0.64	0.58	0.262	4.98 <sup>a</sup>	5.46	0.007	1.35	1.39	0.453	1.88 <sup>b</sup>	1.97	0.072
Northeast	2.18	2.26	0.357	0.66	0.58	0.308	6.06 <sup>a</sup>	6.67	0.034	1.71	1.73	0.846	2.32	2.42	0.321
Midwest	1.43	1.51	0.203	0.54	0.55	0.940	4.22	4.40	0.306	1.07	1.14	0.341	1.53	1.61	0.207
South	1.56	1.60	0.501	0.57 <sup>b</sup>	0.45	0.060	4.32 <sup>a</sup>	4.75	0.012	1.22	1.22	0.995	1.67	1.72	0.392
West	2.05 <sup>b</sup>	2.22	0.092	0.85	0.81	0.725	5.88 <sup>a</sup>	6.61	0.022	1.53	1.64	0.361	2.18 <sup>b</sup>	2.36	0.086
Alabama	1.22	1.21	0.887	0.41	0.33	0.267	3.20	2.96	0.439	0.99	1.02	0.810	1.31	1.30	0.933
Alaska	2.00	2.12	0.505	0.65 <sup>b</sup>	0.89	0.074	4.79 <sup>b</sup>	5.83	0.062	1.64	1.61	0.895	2.15	2.26	0.589
Arizona	2.29	2.07	0.278	0.85	0.79	0.663	6.92	6.22	0.279	1.67	1.52	0.464	2.44	2.20	0.282
Arkansas	1.07	1.23	0.124	0.48	0.47	0.823	2.89	3.15	0.377	0.84	1.01	0.134	1.13	1.31	0.119
California	2.16 <sup>b</sup>	2.42	0.084	0.94	0.75	0.220	5.91 <sup>a</sup>	7.16	0.014	1.63	1.80	0.335	2.28 <sup>b</sup>	2.59	0.065
Colorado	2.75	2.42	0.123	0.98	1.01	0.853	8.62	8.18	0.535	1.97	1.62	0.109	2.93	2.56	0.113
Connecticut	2.43	2.48	0.819	0.67	0.62	0.692	7.60 <sup>b</sup>	9.07	0.060	1.80	1.62	0.410	2.60	2.66	0.811
Delaware	2.21	1.93	0.121	0.56	0.41	0.164	6.36	6.10	0.676	1.73	1.46	0.125	2.37	2.08	0.135
District of Columbia	3.19	3.46	0.389	0.34 <sup>b</sup>	0.18	0.061	5.60	6.75	0.110	2.88	3.00	0.721	3.35	3.64	0.376
Florida	1.90 <sup>a</sup>	1.63	0.026	0.65 <sup>b</sup>	0.45	0.051	5.91	5.35	0.199	1.45 <sup>b</sup>	1.22	0.088	2.02 <sup>a</sup>	1.73	0.033
Georgia	1.72	1.90	0.182	0.51 <sup>a</sup>	0.36	0.047	3.85 <sup>a</sup>	4.61	0.026	1.51	1.64	0.382	1.86	2.08	0.147
Hawaii	1.89	1.98	0.657	0.76	0.84	0.665	5.21	5.01	0.695	1.50	1.65	0.491	1.99	2.08	0.682
Idaho	1.04 <sup>b</sup>	1.26	0.056	0.57 <sup>a</sup>	0.83	0.027	3.59	3.84	0.539	0.67 <sup>b</sup>	0.88	0.055	1.09 <sup>b</sup>	1.31	0.089
Illinois	1.80	1.74	0.620	0.60	0.53	0.446	4.81	4.92	0.758	1.45	1.36	0.526	1.93	1.87	0.648
Indiana	1.24	1.32	0.482	0.51	0.53	0.841	3.91	3.94	0.936	0.86	0.96	0.370	1.32	1.41	0.487
Iowa	1.06	1.19	0.241	0.47	0.58	0.190	3.63	3.75	0.752	0.67	0.80	0.198	1.12	1.25	0.276
Kansas	1.18	1.24	0.639	0.61	0.63	0.827	3.59	3.83	0.545	0.82	0.84	0.790	1.24	1.30	0.648
Kentucky	1.59	1.65	0.687	0.56	0.59	0.766	4.74	5.09	0.457	1.19	1.21	0.896	1.69	1.75	0.698
Louisiana	1.74	1.69	0.775	0.44 <sup>a</sup>	0.29	0.050	3.61 <sup>a</sup>	4.41	0.049	1.57	1.40	0.333	1.88	1.84	0.838
Maine	1.79	1.82	0.795	0.65 <sup>b</sup>	0.86	0.071	6.41	6.44	0.965	1.27	1.30	0.858	1.88	1.91	0.888
Maryland	1.51 <sup>b</sup>	1.80	0.056	0.46	0.36	0.231	3.66 <sup>a</sup>	5.26	0.000	1.28	1.42	0.380	1.61 <sup>a</sup>	1.94	0.048
Massachusetts	2.45	2.80	0.113	0.71	0.73	0.851	7.28 <sup>a</sup>	9.07	0.015	1.79	1.94	0.513	2.61	2.99	0.113
Michigan	1.24 <sup>b</sup>	1.45	0.061	0.44	0.44	0.994	3.56	3.79	0.470	0.94 <sup>b</sup>	1.17	0.060	1.33 <sup>b</sup>	1.55	0.060
Minnesota	1.52 <sup>b</sup>	1.77	0.076	0.57	0.70	0.154	4.85	5.53	0.144	1.10	1.30	0.144	1.62 <sup>b</sup>	1.88	0.087
Mississippi	1.00 <sup>a</sup>	1.27	0.027	0.36	0.25	0.115	1.83 <sup>a</sup>	2.66	0.001	0.94	1.16	0.113	1.08 <sup>a</sup>	1.38	0.021
Missouri	1.35	1.29	0.662	0.49	0.48	0.890	4.12	3.90	0.601	0.98	0.95	0.808	1.43	1.37	0.662
Montana	1.49 <sup>a</sup>	1.80	0.036	0.62 <sup>a</sup>	1.08	0.002	4.65 <sup>a</sup>	5.71	0.047	1.06	1.25	0.207	1.57 <sup>b</sup>	1.87	0.064

See notes at end of file.

(continued)



**Table 4 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	1.37	1.40	0.797	0.56	0.62	0.464	3.99	4.48	0.251	1.00	0.95	0.677	1.46	1.49	0.830
Nevada	1.46 <sup>a</sup>	1.84	0.015	0.72	0.66	0.605	4.16	4.82	0.135	1.14 <sup>a</sup>	1.53	0.016	1.54 <sup>a</sup>	1.96	0.013
New Hampshire	3.07	2.78	0.228	0.83	1.13	0.117	10.54	10.84	0.743	2.13 <sup>b</sup>	1.69	0.054	3.28	2.93	0.182
New Jersey	1.72	1.93	0.170	0.60	0.55	0.641	4.55 <sup>a</sup>	6.63	0.000	1.42	1.38	0.806	1.83	2.06	0.159
New Mexico	1.92	1.88	0.811	0.82	0.96	0.424	5.93	5.42	0.405	1.38	1.40	0.916	2.04	1.98	0.753
New York	2.54	2.37	0.330	0.73 <sup>a</sup>	0.45	0.015	6.29	5.77	0.268	2.10	2.01	0.663	2.71	2.55	0.396
North Carolina	1.80	1.88	0.558	0.53 <sup>b</sup>	0.39	0.091	5.12	5.67	0.188	1.40	1.45	0.752	1.93	2.03	0.498
North Dakota	1.18	1.23	0.691	0.56 <sup>a</sup>	0.81	0.038	3.45	3.84	0.362	0.74	0.72	0.814	1.24	1.27	0.811
Ohio	1.45 <sup>b</sup>	1.66	0.069	0.50	0.48	0.781	4.24	4.86	0.110	1.11	1.29	0.140	1.54 <sup>b</sup>	1.78	0.065
Oklahoma	1.11 <sup>a</sup>	1.40	0.009	0.50	0.53	0.652	3.58 <sup>b</sup>	4.17	0.085	0.75 <sup>a</sup>	1.03	0.014	1.17 <sup>a</sup>	1.50	0.009
Oregon	2.14 <sup>b</sup>	2.51	0.082	0.80	1.00	0.224	6.81 <sup>b</sup>	7.96	0.098	1.57	1.83	0.208	2.27 <sup>b</sup>	2.64	0.096
Pennsylvania	1.62 <sup>b</sup>	1.87	0.054	0.54	0.56	0.807	4.71	5.22	0.205	1.24 <sup>b</sup>	1.48	0.087	1.72 <sup>b</sup>	1.99	0.055
Rhode Island	2.52	2.79	0.217	0.74	0.84	0.431	7.64 <sup>b</sup>	8.90	0.076	1.77	1.88	0.580	2.68	2.96	0.233
South Carolina	1.63	1.69	0.663	0.50 <sup>a</sup>	0.34	0.041	4.42 <sup>a</sup>	5.31	0.037	1.30	1.26	0.795	1.74	1.82	0.596
South Dakota	1.02 <sup>b</sup>	1.22	0.063	0.49 <sup>a</sup>	0.75	0.004	3.15	3.65	0.143	0.71	0.85	0.176	1.08 <sup>b</sup>	1.27	0.097
Tennessee	1.52	1.69	0.186	0.54	0.49	0.399	4.22	4.66	0.247	1.19	1.35	0.227	1.62	1.81	0.172
Texas	1.41	1.41	0.985	0.70	0.57	0.257	4.19	4.69	0.160	1.00	0.93	0.531	1.50	1.51	0.919
Utah	0.87 <sup>a</sup>	1.28	0.004	0.40 <sup>a</sup>	0.81	0.006	2.73 <sup>b</sup>	3.53	0.071	0.53 <sup>a</sup>	0.85	0.013	0.94 <sup>a</sup>	1.34	0.008
Vermont	2.67	3.02	0.146	0.81	1.14	0.102	9.33	10.83	0.107	1.70	1.84	0.526	2.83	3.18	0.179
Virginia	1.24 <sup>b</sup>	1.48	0.065	0.46	0.43	0.710	3.50 <sup>a</sup>	4.31	0.041	0.95	1.15	0.158	1.31 <sup>b</sup>	1.59	0.059
Washington	1.84	1.94	0.555	0.67	0.79	0.362	5.39	5.75	0.504	1.40	1.47	0.707	1.95	2.05	0.597
West Virginia	1.54	1.55	0.981	0.59	0.70	0.195	5.32	5.29	0.938	1.07	1.08	0.969	1.63	1.62	0.964
Wisconsin	1.59	1.38	0.153	0.72	0.68	0.711	4.96	4.34	0.206	1.13	0.97	0.255	1.68	1.45	0.154
Wyoming	1.07 <sup>a</sup>	1.42	0.017	0.56 <sup>a</sup>	0.98	0.007	3.74 <sup>a</sup>	4.81	0.046	0.68 <sup>b</sup>	0.91	0.073	1.12 <sup>a</sup>	1.47	0.030

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 5 Heroin Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	0.33	0.33	0.858	0.10	0.07	0.112	0.69	0.64	0.358	0.29	0.31	0.455	0.35	0.36	0.760
Northeast	0.54	0.46	0.205	0.13	0.08	0.301	0.98	0.81	0.198	0.52	0.45	0.356	0.58	0.50	0.223
Midwest	0.31	0.33	0.686	0.10	0.08	0.518	0.74	0.65	0.375	0.26	0.30	0.392	0.33	0.35	0.638
South	0.26	0.28	0.453	0.08	0.07	0.816	0.56	0.58	0.802	0.23	0.26	0.430	0.28	0.30	0.431
West	0.29	0.32	0.489	0.11	0.05	0.108	0.65	0.59	0.587	0.25	0.30	0.260	0.31	0.34	0.400
Alabama	0.27	0.31	0.376	0.08 <sup>a</sup>	0.01	0.038	0.64	0.68	0.770	0.23	0.29	0.393	0.29	0.35	0.307
Alaska	1.23	0.75	0.164	0.08	0.09	0.925	0.91	1.33	0.132	1.45 <sup>b</sup>	0.73	0.099	1.36	0.82	0.164
Arizona	0.55	0.45	0.392	0.20 <sup>a</sup>	0.03	0.006	0.90	0.88	0.934	0.54	0.43	0.476	0.59	0.50	0.469
Arkansas	0.17	0.20	0.368	0.07	0.05	0.636	0.42	0.45	0.798	0.13	0.18	0.375	0.18	0.22	0.323
California	0.20	0.24	0.337	0.09	0.04	0.255	0.55	0.43	0.283	0.15	0.23	0.113	0.21	0.26	0.276
Colorado	0.38	0.35	0.552	0.13 <sup>a</sup>	0.03	0.013	0.95 <sup>b</sup>	0.66	0.089	0.32	0.34	0.833	0.41	0.38	0.668
Connecticut	0.87	0.71	0.413	0.10	0.07	0.595	1.07	1.21	0.595	0.93	0.70	0.362	0.95	0.77	0.417
Delaware	1.05	0.73	0.127	0.15	0.09	0.459	1.29	1.49	0.628	1.11 <sup>b</sup>	0.68	0.091	1.13	0.79	0.131
District of Columbia	0.61	0.44	0.361	0.04	0.02	0.461	0.23	0.23	0.940	0.73	0.51	0.360	0.65	0.47	0.364
Florida	0.22	0.24	0.727	0.07 <sup>b</sup>	0.22	0.054	0.60	0.58	0.865	0.18	0.19	0.892	0.24	0.24	0.976
Georgia	0.15	0.17	0.651	0.06	0.03	0.340	0.38	0.35	0.727	0.12	0.15	0.493	0.16	0.18	0.583
Hawaii	0.22	0.24	0.695	0.10 <sup>a</sup>	0.01	0.012	0.42	0.72	0.143	0.20	0.20	0.927	0.23	0.26	0.595
Idaho	0.27	0.33	0.274	0.10	0.09	0.822	0.61	0.64	0.834	0.24	0.31	0.306	0.29	0.35	0.253
Illinois	0.33 <sup>b</sup>	0.25	0.071	0.11 <sup>b</sup>	0.04	0.086	0.68 <sup>b</sup>	0.49	0.095	0.31	0.24	0.255	0.36 <sup>b</sup>	0.27	0.093
Indiana	0.28 <sup>a</sup>	0.43	0.001	0.11	0.07	0.424	0.78	0.86	0.585	0.21 <sup>a</sup>	0.40	0.003	0.30 <sup>a</sup>	0.47	0.000
Iowa	0.13 <sup>b</sup>	0.20	0.067	0.06	0.06	0.947	0.42	0.51	0.487	0.08 <sup>b</sup>	0.16	0.079	0.13 <sup>a</sup>	0.21	0.047
Kansas	0.14 <sup>a</sup>	0.27	0.003	0.07	0.08	0.855	0.45	0.55	0.384	0.10 <sup>a</sup>	0.24	0.010	0.15 <sup>a</sup>	0.29	0.002
Kentucky	0.55	0.47	0.327	0.17 <sup>a</sup>	0.04	0.018	0.97	0.86	0.597	0.52	0.45	0.512	0.59	0.51	0.399
Louisiana	0.16	0.22	0.198	0.05	0.06	0.820	0.33	0.39	0.477	0.14	0.20	0.298	0.17	0.23	0.190
Maine	0.58	0.48	0.281	0.17 <sup>a</sup>	0.02	0.005	1.21	1.15	0.792	0.54	0.43	0.407	0.62	0.52	0.334
Maryland	0.88 <sup>a</sup>	0.54	0.036	0.16	0.11	0.516	1.10	0.86	0.356	0.93 <sup>b</sup>	0.54	0.057	0.95 <sup>a</sup>	0.58	0.037
Massachusetts	0.23 <sup>a</sup>	0.36	0.009	0.08	0.03	0.150	0.65	0.66	0.963	0.18 <sup>a</sup>	0.35	0.013	0.25 <sup>a</sup>	0.39	0.006
Michigan	0.37	0.35	0.813	0.12	0.09	0.640	0.78	0.63	0.298	0.33	0.34	0.866	0.39	0.38	0.839
Minnesota	0.35	0.29	0.246	0.11 <sup>b</sup>	0.03	0.054	0.84	0.72	0.432	0.30	0.25	0.497	0.37	0.32	0.302
Mississippi	0.15 <sup>b</sup>	0.22	0.095	0.05	0.01	0.112	0.33	0.43	0.278	0.13	0.21	0.174	0.16 <sup>b</sup>	0.24	0.074
Missouri	0.24 <sup>b</sup>	0.33	0.085	0.08	0.05	0.300	0.64	0.68	0.726	0.20	0.30	0.146	0.26 <sup>b</sup>	0.36	0.069
Montana	0.17 <sup>a</sup>	0.32	0.003	0.07	0.10	0.629	0.56	0.78	0.167	0.12 <sup>a</sup>	0.27	0.022	0.18 <sup>a</sup>	0.34	0.003

See notes at end of file.

(continued)

**Table 5 Heroin Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	0.21	0.24	0.380	0.08	0.12	0.472	0.61	0.49	0.360	0.16	0.22	0.246	0.22	0.26	0.412
Nevada	0.33	0.33	0.983	0.14 <sup>b</sup>	0.05	0.076	0.70	0.74	0.819	0.30	0.30	0.960	0.35	0.36	0.916
New Hampshire	0.62	0.87	0.134	0.22	0.14	0.498	1.90	1.90	0.993	0.46	0.79	0.102	0.66	0.94	0.118
New Jersey	0.68	0.51	0.127	0.16	0.09	0.295	1.30	0.92	0.161	0.65	0.50	0.281	0.73	0.55	0.139
New Mexico	0.18 <sup>a</sup>	0.37	0.004	0.08	0.17	0.256	0.40 <sup>a</sup>	0.82	0.011	0.16 <sup>a</sup>	0.32	0.043	0.20 <sup>a</sup>	0.39	0.005
New York	0.52	0.42	0.169	0.11	0.08	0.516	0.79	0.63	0.246	0.52	0.42	0.278	0.56	0.45	0.178
North Carolina	0.20 <sup>a</sup>	0.34	0.006	0.06	0.04	0.419	0.52	0.71	0.142	0.16 <sup>a</sup>	0.32	0.032	0.21 <sup>a</sup>	0.37	0.005
North Dakota	0.21 <sup>b</sup>	0.32	0.071	0.08	0.12	0.486	0.42	0.62	0.116	0.18	0.27	0.228	0.22 <sup>b</sup>	0.33	0.073
Ohio	0.38	0.41	0.604	0.11	0.11	0.975	0.92	0.78	0.348	0.32	0.38	0.398	0.41	0.44	0.607
Oklahoma	0.21 <sup>b</sup>	0.31	0.063	0.08	0.06	0.586	0.50	0.66	0.193	0.18	0.28	0.159	0.23 <sup>b</sup>	0.33	0.052
Oregon	0.35 <sup>b</sup>	0.47	0.062	0.13	0.09	0.546	0.85	0.92	0.680	0.29 <sup>b</sup>	0.44	0.096	0.37 <sup>b</sup>	0.50	0.053
Pennsylvania	0.55	0.44	0.145	0.15	0.11	0.533	1.13	0.84	0.152	0.50	0.41	0.316	0.59	0.47	0.154
Rhode Island	0.41	0.44	0.624	0.14	0.09	0.436	0.97	0.74	0.175	0.33	0.42	0.312	0.43	0.47	0.582
South Carolina	0.28	0.24	0.411	0.08	0.07	0.738	0.56	0.54	0.824	0.25	0.21	0.498	0.30	0.26	0.417
South Dakota	0.27 <sup>b</sup>	0.36	0.089	0.09	0.10	0.760	0.59	0.81	0.115	0.23	0.31	0.280	0.29 <sup>b</sup>	0.39	0.086
Tennessee	0.26	0.26	0.969	0.09	0.05	0.355	0.61	0.59	0.855	0.22	0.23	0.846	0.27	0.28	0.907
Texas	0.11 <sup>a</sup>	0.20	0.008	0.05	0.04	0.708	0.39	0.44	0.632	0.07 <sup>a</sup>	0.19	0.008	0.12 <sup>a</sup>	0.22	0.005
Utah	0.22 <sup>a</sup>	0.31	0.038	0.09	0.06	0.413	0.45	0.49	0.733	0.19 <sup>a</sup>	0.31	0.046	0.24 <sup>a</sup>	0.34	0.027
Vermont	0.77 <sup>b</sup>	0.56	0.065	0.18	0.15	0.685	1.47	1.19	0.339	0.72	0.49	0.127	0.83 <sup>b</sup>	0.59	0.066
Virginia	0.36	0.38	0.769	0.11 <sup>a</sup>	0.01	0.021	0.80	0.76	0.822	0.32	0.35	0.584	0.38	0.41	0.651
Washington	0.40	0.46	0.419	0.15	0.08	0.238	0.86	0.81	0.762	0.36	0.44	0.334	0.43	0.49	0.368
West Virginia	0.36 <sup>a</sup>	0.57	0.014	0.12 <sup>a</sup>	0.02	0.026	0.82 <sup>a</sup>	1.27	0.037	0.31 <sup>b</sup>	0.52	0.061	0.38 <sup>a</sup>	0.62	0.010
Wisconsin	0.32	0.30	0.718	0.12	0.14	0.724	0.90	0.66	0.112	0.24	0.26	0.715	0.34	0.32	0.671
Wyoming	0.36	0.33	0.835	0.05	0.09	0.413	0.35 <sup>a</sup>	0.76	0.006	0.40	0.29	0.521	0.39	0.35	0.810

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 6 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	52.18 <sup>a</sup>	51.21	0.000	10.58 <sup>a</sup>	9.40	0.000	58.96 <sup>a</sup>	57.75	0.002	56.04 <sup>a</sup>	55.10	0.001	56.46 <sup>a</sup>	55.48	0.000
Northeast	56.66	56.02	0.135	12.57 <sup>a</sup>	10.95	0.000	64.17	63.92	0.731	60.30	59.67	0.225	60.85	60.27	0.210
Midwest	54.36	54.36	0.989	10.30	9.82	0.107	61.88	61.60	0.635	58.48	58.56	0.862	58.97	59.00	0.955
South	48.85 <sup>a</sup>	47.48	0.000	9.74 <sup>a</sup>	8.71	0.000	56.16 <sup>a</sup>	54.56	0.003	52.42 <sup>a</sup>	51.03	0.000	52.95 <sup>a</sup>	51.53	0.000
West	52.07 <sup>a</sup>	50.67	0.000	10.76 <sup>a</sup>	9.06	0.000	56.92 <sup>a</sup>	54.76	0.002	56.30 <sup>a</sup>	55.01	0.007	56.39 <sup>a</sup>	54.98	0.001
Alabama	43.94 <sup>a</sup>	40.79	0.003	8.76	8.08	0.385	51.99	50.76	0.508	46.83 <sup>a</sup>	43.06	0.005	47.57 <sup>a</sup>	44.16	0.003
Alaska	54.98 <sup>a</sup>	52.72	0.038	11.04	10.23	0.475	62.57 <sup>b</sup>	58.93	0.055	59.45	57.24	0.114	59.95 <sup>a</sup>	57.50	0.041
Arizona	51.19	50.94	0.820	10.45 <sup>a</sup>	7.95	0.004	56.38	54.01	0.195	55.47	55.78	0.822	55.60	55.53	0.949
Arkansas	41.81	40.14	0.137	9.34	8.93	0.610	51.60	49.43	0.225	44.20	42.45	0.222	45.26	43.45	0.139
California	51.54 <sup>a</sup>	49.74	0.004	10.92 <sup>a</sup>	9.08	0.002	56.85 <sup>a</sup>	54.10	0.010	55.58 <sup>a</sup>	53.88	0.029	55.77 <sup>a</sup>	53.91	0.006
Colorado	59.22	57.53	0.118	12.55 <sup>a</sup>	10.16	0.013	67.56 <sup>a</sup>	63.75	0.024	63.39	62.10	0.341	63.99	62.33	0.159
Connecticut	60.33	59.09	0.268	13.61 <sup>a</sup>	11.21	0.016	67.18	67.37	0.916	64.76	63.34	0.310	65.09	63.91	0.332
Delaware	53.85	52.04	0.110	10.36	9.05	0.108	62.37 <sup>a</sup>	57.10	0.002	57.29	55.96	0.342	57.99	56.11	0.128
District of Columbia	69.07	68.65	0.682	13.18 <sup>a</sup>	9.70	0.001	74.21	73.63	0.742	71.86	71.64	0.862	72.27	71.98	0.788
Florida	54.83 <sup>b</sup>	53.43	0.065	10.72 <sup>a</sup>	9.15	0.009	58.85	57.50	0.248	58.76	57.30	0.117	58.77 <sup>b</sup>	57.33	0.079
Georgia	48.90 <sup>a</sup>	45.88	0.002	8.93 <sup>a</sup>	6.90	0.005	55.06	53.90	0.453	53.15 <sup>a</sup>	49.67	0.005	53.43 <sup>a</sup>	50.30	0.004
Hawaii	46.60 <sup>a</sup>	43.98	0.050	10.55	9.10	0.108	55.52 <sup>b</sup>	52.01	0.068	49.04	46.44	0.108	49.91 <sup>b</sup>	47.15	0.057
Idaho	44.54	44.62	0.949	10.25	8.93	0.128	47.50	47.92	0.820	48.93	49.13	0.892	48.72	48.95	0.856
Illinois	54.25	53.41	0.259	9.88	9.66	0.734	60.53	60.76	0.855	58.66	57.53	0.229	58.93	57.99	0.250
Indiana	50.44	50.48	0.972	10.06	9.32	0.390	59.71	59.42	0.867	54.01	54.18	0.904	54.87	54.97	0.937
Iowa	56.01	57.42	0.234	10.16	9.42	0.407	66.44	65.17	0.448	59.73	61.86	0.153	60.75	62.36	0.212
Kansas	52.55 <sup>a</sup>	55.46	0.008	10.45	10.27	0.830	59.33	58.72	0.722	56.88 <sup>a</sup>	60.83	0.004	57.26 <sup>a</sup>	60.50	0.007
Kentucky	42.63	40.94	0.141	8.24	9.35	0.199	50.69	50.84	0.932	45.39	43.06	0.103	46.14	44.16	0.115
Louisiana	50.03	50.36	0.765	10.75	10.55	0.822	57.93	55.58	0.178	53.57	54.42	0.545	54.22	54.59	0.763
Maine	60.41 <sup>a</sup>	56.97	0.005	12.47	11.71	0.444	66.34	64.86	0.416	64.39 <sup>a</sup>	60.35	0.006	64.62 <sup>a</sup>	60.89	0.005
Maryland	58.38 <sup>a</sup>	55.88	0.021	12.09 <sup>a</sup>	9.73	0.013	62.62	62.32	0.867	63.07 <sup>a</sup>	60.18	0.030	63.01 <sup>a</sup>	60.47	0.031
Massachusetts	57.91	59.17	0.245	12.21	11.31	0.373	69.15	69.57	0.808	60.89	62.48	0.237	62.11	63.53	0.225
Michigan	53.89	53.24	0.417	10.69	10.39	0.676	60.77	59.58	0.334	57.96	57.30	0.507	58.37	57.63	0.387
Minnesota	59.40	59.65	0.816	10.71	10.38	0.712	65.64	66.47	0.623	64.23	64.42	0.879	64.42	64.71	0.801
Mississippi	39.52 <sup>a</sup>	36.94	0.022	8.78	7.69	0.151	46.93	46.68	0.893	42.22 <sup>a</sup>	39.03	0.026	42.94 <sup>a</sup>	40.18	0.025
Missouri	50.78	51.39	0.584	9.83	9.91	0.918	59.32	59.04	0.875	54.27	55.07	0.562	54.99	55.63	0.598
Montana	57.93	57.49	0.695	9.90	11.05	0.207	61.56	61.98	0.799	62.62	61.82	0.564	62.47	61.84	0.607

See notes at end of file.

(continued)

**Table 6 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	57.43	58.92	0.161	8.88	8.99	0.897	62.82	62.44	0.839	62.68	64.70	0.130	62.70	64.36	0.154
Nevada	52.81	50.92	0.112	13.67	12.28	0.196	56.81 <sup>b</sup>	53.25	0.057	56.85	55.08	0.224	56.84	54.85	0.120
New Hampshire	63.63	63.54	0.933	13.12	11.49	0.107	68.92	69.23	0.851	68.27	68.17	0.938	68.36	68.31	0.969
New Jersey	56.67 <sup>a</sup>	53.56	0.002	13.88 <sup>a</sup>	10.55	0.000	63.69	61.28	0.126	60.63 <sup>a</sup>	57.40	0.011	61.03 <sup>a</sup>	57.91	0.005
New Mexico	47.02	48.47	0.204	9.40	9.91	0.530	55.79	54.35	0.447	50.25	52.30	0.154	51.06	52.59	0.218
New York	54.60	54.65	0.936	12.57 <sup>b</sup>	11.37	0.080	61.51	62.60	0.362	58.01	57.99	0.987	58.51	58.65	0.862
North Carolina	45.84	44.34	0.110	8.19	7.25	0.183	55.77	53.47	0.134	48.75	47.32	0.224	49.74	48.17	0.126
North Dakota	58.79	59.98	0.241	11.85	11.94	0.928	70.20	68.68	0.387	61.51	63.43	0.135	63.11	64.37	0.252
Ohio	52.56	51.90	0.408	10.33 <sup>a</sup>	8.89	0.020	61.18	59.93	0.302	56.28	55.75	0.596	56.97	56.33	0.473
Oklahoma	46.04 <sup>a</sup>	42.34	0.001	10.22 <sup>b</sup>	8.71	0.085	57.68 <sup>a</sup>	51.94	0.002	48.58 <sup>a</sup>	44.99	0.011	49.95 <sup>a</sup>	46.02	0.002
Oregon	58.85	58.72	0.909	11.68 <sup>b</sup>	9.95	0.053	63.02	62.80	0.897	63.31	63.28	0.982	63.28	63.22	0.964
Pennsylvania	56.56	55.78	0.331	11.34 <sup>b</sup>	10.02	0.061	63.95	62.27	0.184	60.32	59.72	0.543	60.82	60.07	0.383
Rhode Island	59.37	61.03	0.130	13.23	12.10	0.269	65.22	67.35	0.242	63.25	65.05	0.184	63.56	65.40	0.117
South Carolina	46.17	45.36	0.471	8.87	8.57	0.699	58.59	56.53	0.246	48.44	47.78	0.632	49.88	48.99	0.463
South Dakota	58.02	58.85	0.455	10.38	10.66	0.771	67.10	64.72	0.159	62.30	63.76	0.286	63.02	63.90	0.464
Tennessee	43.44	42.83	0.590	8.17	7.94	0.775	51.08	49.58	0.435	46.37	45.84	0.700	47.04	46.36	0.582
Texas	47.90	47.14	0.235	9.96 <sup>b</sup>	8.86	0.053	54.86 <sup>b</sup>	52.66	0.057	52.03	51.58	0.571	52.48	51.74	0.299
Utah	31.31	29.83	0.176	5.44	5.25	0.835	34.77	37.41	0.242	35.04 <sup>b</sup>	32.37	0.061	34.99	33.29	0.169
Vermont	60.67	60.17	0.688	13.16	12.86	0.778	70.65	69.00	0.343	63.80	63.39	0.785	64.82	64.22	0.654
Virginia	51.77	52.02	0.783	10.65	10.20	0.564	60.66	61.60	0.539	55.06	55.28	0.846	55.86	56.17	0.758
Washington	57.26	55.80	0.195	10.65 <sup>a</sup>	8.86	0.036	58.45	57.37	0.558	62.39	60.80	0.261	61.84	60.34	0.219
West Virginia	41.28	40.71	0.623	9.97	10.70	0.429	56.06	54.37	0.349	42.29	41.77	0.716	44.08	43.39	0.586
Wisconsin	60.36	60.86	0.633	11.25	10.90	0.682	66.26	68.59	0.174	65.19	65.45	0.839	65.34	65.90	0.626
Wyoming	54.32 <sup>a</sup>	52.00	0.039	10.72	9.73	0.381	62.15	61.28	0.650	58.15 <sup>b</sup>	55.45	0.051	58.73 <sup>a</sup>	56.28	0.045

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 7 Alcohol Use in the Past Month among Individuals Aged 12 to 20, by State: Percentages and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	Alcohol Use in Past Month (2014-2015)	Alcohol Use in Past Month (2015-2016)	Alcohol Use in Past Month (P Value)
Total U.S.	21.57 <sup>a</sup>	19.83	0.000
Northeast	25.98 <sup>a</sup>	23.98	0.000
Midwest	22.00 <sup>a</sup>	20.92	0.008
South	19.66 <sup>a</sup>	18.39	0.000
West	21.01 <sup>a</sup>	18.18	0.000
Alabama	18.19	17.32	0.324
Alaska	23.91 <sup>b</sup>	22.08	0.071
Arizona	19.25 <sup>a</sup>	16.74	0.011
Arkansas	16.65 <sup>b</sup>	15.18	0.093
California	21.21 <sup>a</sup>	17.87	0.000
Colorado	24.83 <sup>a</sup>	21.48	0.002
Connecticut	27.67	26.24	0.185
Delaware	23.46 <sup>a</sup>	21.03	0.013
District of Columbia	31.34 <sup>a</sup>	26.93	0.001
Florida	21.20	20.64	0.410
Georgia	18.12 <sup>a</sup>	15.73	0.002
Hawaii	20.57 <sup>a</sup>	18.19	0.026
Idaho	16.80	16.74	0.951
Illinois	21.46	20.56	0.241
Indiana	20.97	20.89	0.938
Iowa	24.57 <sup>a</sup>	19.07	0.000
Kansas	21.41	20.78	0.490
Kentucky	17.91	19.57	0.104
Louisiana	23.73	22.73	0.313
Maine	25.68	24.83	0.407
Maryland	23.50 <sup>b</sup>	21.61	0.057
Massachusetts	29.63	29.24	0.781
Michigan	21.21	20.96	0.763
Minnesota	23.01	21.57	0.127
Mississippi	17.73 <sup>b</sup>	16.02	0.054
Missouri	20.22	20.88	0.482
Montana	21.31	22.04	0.457

See notes at end of file.

(continued)

**Table 7 Alcohol Use in the Past Month among Individuals Aged 12 to 20, by State: Percentages and *P* Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	Alcohol Use in Past Month (2014-2015)	Alcohol Use in Past Month (2015-2016)	Alcohol Use in Past Month ( <i>P</i> Value)
Nebraska	21.63	20.86	0.387
Nevada	23.67 <sup>a</sup>	21.34	0.030
New Hampshire	27.78	28.06	0.777
New Jersey	25.97 <sup>a</sup>	21.18	0.000
New Mexico	19.40	20.80	0.136
New York	24.72 <sup>b</sup>	23.24	0.051
North Carolina	16.96	15.97	0.226
North Dakota	31.34	31.69	0.774
Ohio	22.09 <sup>a</sup>	19.86	0.002
Oklahoma	19.63 <sup>b</sup>	18.04	0.073
Oregon	23.57 <sup>a</sup>	20.33	0.000
Pennsylvania	24.79 <sup>a</sup>	22.43	0.002
Rhode Island	28.02 <sup>a</sup>	24.94	0.004
South Carolina	19.39	19.77	0.674
South Dakota	25.57 <sup>a</sup>	23.58	0.049
Tennessee	17.66	17.34	0.733
Texas	19.49 <sup>a</sup>	17.29	0.000
Utah	10.75	10.71	0.971
Vermont	30.60	28.86	0.144
Virginia	20.87	19.63	0.137
Washington	22.67 <sup>a</sup>	18.43	0.000
West Virginia	21.89	22.57	0.496
Wisconsin	23.86	22.44	0.128
Wyoming	21.59	21.76	0.865

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 8 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	24.56 <sup>a</sup>	23.72	0.000	6.50 <sup>a</sup>	5.66	0.000	34.02 <sup>a</sup>	31.48	0.000	25.14 <sup>a</sup>	24.58	0.015	26.42 <sup>a</sup>	25.56	0.000
Northeast	23.30	22.75	0.127	6.22 <sup>a</sup>	5.39	0.001	32.89 <sup>b</sup>	31.65	0.054	23.62	23.21	0.357	24.92	24.38	0.169
Midwest	27.39 <sup>a</sup>	26.56	0.011	7.68 <sup>a</sup>	6.68	0.000	38.61 <sup>a</sup>	35.22	0.000	27.90	27.52	0.362	29.46 <sup>a</sup>	28.62	0.020
South	26.24 <sup>a</sup>	25.43	0.003	6.67 <sup>a</sup>	5.91	0.001	35.33 <sup>a</sup>	32.37	0.000	27.11	26.65	0.204	28.29 <sup>a</sup>	27.46	0.006
West	20.29 <sup>a</sup>	19.18	0.001	5.35 <sup>a</sup>	4.52	0.001	28.78 <sup>a</sup>	26.69	0.000	20.65 <sup>a</sup>	19.68	0.017	21.86 <sup>a</sup>	20.70	0.001
Alabama	30.46 <sup>b</sup>	28.79	0.087	7.78	7.65	0.874	42.27 <sup>a</sup>	36.26	0.000	31.21	30.09	0.368	32.80 <sup>b</sup>	30.96	0.086
Alaska	31.51 <sup>b</sup>	29.64	0.061	9.87	9.68	0.848	42.61 <sup>a</sup>	37.95	0.007	32.30	30.78	0.238	33.96 <sup>b</sup>	31.89	0.061
Arizona	22.51	21.60	0.295	6.18 <sup>a</sup>	4.35	0.002	31.23	30.19	0.521	23.09	22.29	0.466	24.28	23.44	0.380
Arkansas	34.05 <sup>a</sup>	31.40	0.011	9.67 <sup>a</sup>	7.40	0.008	41.50 <sup>a</sup>	36.64	0.009	35.83 <sup>b</sup>	33.50	0.078	36.64 <sup>a</sup>	33.95	0.019
California	17.94 <sup>a</sup>	16.98	0.044	4.29	3.91	0.241	25.84 <sup>a</sup>	23.10	0.002	18.20	17.49	0.229	19.36 <sup>a</sup>	18.32	0.047
Colorado	24.92 <sup>a</sup>	21.16	0.000	7.02 <sup>a</sup>	4.64	0.000	36.39 <sup>a</sup>	32.83	0.042	25.12 <sup>a</sup>	21.16	0.000	26.75 <sup>a</sup>	22.83	0.000
Connecticut	21.88	22.25	0.715	6.39	5.40	0.108	35.71	33.85	0.317	21.47	22.33	0.499	23.46	23.95	0.661
Delaware	26.35 <sup>a</sup>	22.55	0.000	6.77 <sup>a</sup>	4.68	0.000	37.20 <sup>a</sup>	29.86	0.000	26.76 <sup>a</sup>	23.37	0.005	28.21 <sup>a</sup>	24.24	0.000
District of Columbia	24.77 <sup>a</sup>	22.43	0.012	5.01	4.35	0.182	30.75	28.28	0.138	24.88 <sup>a</sup>	22.46	0.033	25.89 <sup>a</sup>	23.45	0.013
Florida	22.65 <sup>a</sup>	20.59	0.001	5.17	4.44	0.105	29.75 <sup>a</sup>	26.37	0.001	23.40 <sup>a</sup>	21.39	0.010	24.21 <sup>a</sup>	22.00	0.001
Georgia	26.02	24.76	0.115	6.10	5.82	0.653	35.21 <sup>a</sup>	31.56	0.009	27.07	26.10	0.341	28.28	26.90	0.120
Hawaii	19.21	18.32	0.304	5.09 <sup>b</sup>	4.04	0.059	28.22	25.73	0.122	19.31	18.72	0.582	20.50	19.61	0.346
Idaho	22.03	21.04	0.272	7.15 <sup>b</sup>	5.70	0.084	31.66	31.23	0.808	22.50	21.50	0.378	23.84	22.90	0.350
Illinois	23.94 <sup>b</sup>	22.76	0.070	5.93	6.04	0.840	34.27 <sup>a</sup>	31.53	0.024	24.43	23.35	0.193	25.84 <sup>b</sup>	24.51	0.064
Indiana	30.83 <sup>a</sup>	28.72	0.037	9.05	7.73	0.123	42.65 <sup>a</sup>	37.35	0.002	31.55	29.89	0.198	33.22 <sup>a</sup>	31.01	0.048
Iowa	26.97	27.73	0.435	9.12 <sup>a</sup>	6.54	0.001	37.25	37.94	0.694	27.30	28.48	0.354	28.81	29.92	0.305
Kansas	24.70	24.62	0.929	7.75 <sup>a</sup>	5.86	0.010	34.60	32.22	0.155	25.14	25.71	0.634	26.60	26.71	0.913
Kentucky	34.47	34.28	0.871	10.40	9.61	0.418	44.58	43.43	0.526	35.66	35.71	0.971	36.93	36.80	0.917
Louisiana	31.06	30.58	0.626	7.92	7.94	0.981	39.93 <sup>a</sup>	35.74	0.014	32.41	32.52	0.934	33.53	32.99	0.614
Maine	24.47	24.18	0.782	8.43	8.32	0.911	38.26 <sup>b</sup>	35.17	0.072	24.18	24.26	0.953	25.87	25.55	0.774
Maryland	23.79 <sup>b</sup>	22.04	0.055	6.05	5.57	0.428	33.98	31.95	0.245	24.21	22.38	0.102	25.56 <sup>b</sup>	23.67	0.060
Massachusetts	20.76	20.46	0.740	5.98 <sup>a</sup>	4.79	0.043	32.06	31.03	0.553	20.38	20.30	0.940	22.12	21.89	0.814
Michigan	27.19	26.78	0.565	7.57 <sup>b</sup>	6.63	0.085	37.86 <sup>a</sup>	34.00	0.001	27.74	27.96	0.813	29.23	28.84	0.621
Minnesota	25.28 <sup>b</sup>	23.60	0.067	6.68	5.63	0.123	35.55	33.82	0.282	25.86	24.11	0.134	27.20 <sup>b</sup>	25.45	0.083
Mississippi	31.79	30.70	0.299	8.92	8.11	0.370	38.62 <sup>a</sup>	35.01	0.046	33.56	32.88	0.612	34.33	33.20	0.327
Missouri	30.80	29.51	0.204	9.28	8.45	0.349	44.22 <sup>a</sup>	38.91	0.002	31.14	30.46	0.600	33.01	31.66	0.226
Montana	27.37	28.82	0.179	9.50	10.13	0.521	40.70	38.90	0.279	27.14	29.22	0.123	29.06	30.57	0.198

See notes at end of file.

(continued)



**Table 8 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	27.29	26.33	0.318	7.47 <sup>a</sup>	5.20	0.006	37.69 <sup>a</sup>	33.89	0.033	27.97	27.69	0.822	29.45	28.63	0.444
Nevada	24.76	23.47	0.177	6.94 <sup>a</sup>	5.51	0.025	32.72 <sup>a</sup>	28.56	0.017	25.65	24.81	0.482	26.60	25.30	0.216
New Hampshire	24.94	24.31	0.524	8.40 <sup>b</sup>	6.97	0.085	39.58 <sup>a</sup>	36.02	0.047	24.42	24.31	0.929	26.49	25.90	0.585
New Jersey	20.74 <sup>b</sup>	19.25	0.065	5.33	4.64	0.154	30.95	30.27	0.650	21.00 <sup>b</sup>	19.31	0.090	22.31 <sup>b</sup>	20.73	0.075
New Mexico	24.15	25.01	0.391	6.26 <sup>a</sup>	4.81	0.017	35.47	34.50	0.577	24.46	25.93	0.243	26.07	27.17	0.320
New York	23.17 <sup>b</sup>	22.04	0.060	5.70 <sup>a</sup>	4.89	0.033	29.47	28.26	0.275	24.00	22.85	0.125	24.80 <sup>b</sup>	23.62	0.073
North Carolina	25.73	25.99	0.745	5.96	5.89	0.903	35.77	35.79	0.991	26.46	26.82	0.719	27.78	28.07	0.745
North Dakota	30.36	28.98	0.139	9.83 <sup>a</sup>	7.51	0.010	42.38 <sup>a</sup>	38.37	0.022	29.98	29.33	0.581	32.24	30.94	0.196
Ohio	30.22	29.61	0.399	7.86	6.94	0.130	42.54 <sup>a</sup>	39.07	0.007	30.93	30.81	0.898	32.55	31.95	0.449
Oklahoma	32.12	30.95	0.268	10.22 <sup>a</sup>	7.31	0.003	42.71 <sup>a</sup>	35.50	0.000	33.06	33.19	0.921	34.51	33.53	0.401
Oregon	22.53	22.75	0.801	7.01	6.18	0.251	34.16	34.41	0.883	22.41	22.73	0.765	23.99	24.28	0.757
Pennsylvania	26.54	26.96	0.559	7.24	6.36	0.102	37.54	36.17	0.249	26.89	27.74	0.338	28.36	28.89	0.499
Rhode Island	23.45	24.16	0.478	5.86	6.17	0.647	34.58	33.62	0.601	23.29	24.34	0.397	25.05	25.77	0.505
South Carolina	28.49	27.98	0.602	7.11	7.37	0.734	40.56	38.97	0.375	28.98	28.57	0.743	30.62	30.00	0.573
South Dakota	28.05	29.08	0.301	9.20	8.32	0.370	41.55	39.58	0.245	28.00	29.80	0.155	30.02	31.25	0.261
Tennessee	28.66 <sup>b</sup>	30.41	0.084	7.85	7.48	0.638	39.75 <sup>b</sup>	36.40	0.061	29.31 <sup>a</sup>	32.13	0.028	30.79 <sup>b</sup>	32.73	0.080
Texas	23.12	23.10	0.973	5.74 <sup>a</sup>	4.42	0.002	31.14 <sup>a</sup>	28.86	0.036	24.13	24.71	0.444	25.22	25.35	0.845
Utah	15.39	15.45	0.942	3.70	3.36	0.613	19.63	21.30	0.334	16.49	16.22	0.787	17.06	17.15	0.913
Vermont	27.42	27.99	0.584	8.13	8.59	0.619	42.38	43.90	0.463	26.78	27.16	0.774	29.10	29.65	0.625
Virginia	25.04	23.81	0.128	6.06	5.63	0.485	34.37	32.30	0.142	25.68	24.52	0.252	26.92	25.61	0.137
Washington	22.09 <sup>a</sup>	19.97	0.017	6.32	5.38	0.142	31.00	29.79	0.455	22.46 <sup>a</sup>	20.05	0.030	23.65 <sup>a</sup>	21.38	0.020
West Virginia	37.40	38.25	0.479	12.55	12.38	0.875	50.84 <sup>a</sup>	44.33	0.001	37.93	40.01	0.173	39.62	40.57	0.468
Wisconsin	25.37	25.44	0.943	7.96 <sup>a</sup>	6.21	0.016	36.14 <sup>a</sup>	32.18	0.015	25.64	26.58	0.444	27.13	27.38	0.820
Wyoming	31.00 <sup>a</sup>	28.61	0.021	10.59 <sup>a</sup>	8.09	0.007	42.10	40.21	0.279	31.53 <sup>b</sup>	29.11	0.065	33.06 <sup>a</sup>	30.69	0.037

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 9 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	20.12 <sup>a</sup>	19.23	0.000	4.53 <sup>a</sup>	3.80	0.000	27.54 <sup>a</sup>	25.12	0.000	20.74 <sup>a</sup>	20.09	0.003	21.72 <sup>a</sup>	20.81	0.000
Northeast	19.13 <sup>a</sup>	18.46	0.046	4.37 <sup>a</sup>	3.44	0.000	26.89 <sup>a</sup>	24.93	0.002	19.48	19.05	0.314	20.53 <sup>b</sup>	19.87	0.071
Midwest	22.50 <sup>a</sup>	21.31	0.000	5.55 <sup>a</sup>	4.70	0.000	30.61 <sup>a</sup>	27.66	0.000	23.20 <sup>a</sup>	22.26	0.013	24.28 <sup>a</sup>	23.04	0.000
South	21.41 <sup>a</sup>	20.57	0.001	4.50 <sup>a</sup>	3.88	0.000	28.57 <sup>a</sup>	25.95	0.000	22.28 <sup>b</sup>	21.71	0.099	23.19 <sup>a</sup>	22.31	0.002
West	16.66 <sup>a</sup>	15.82	0.004	3.75 <sup>a</sup>	3.13	0.003	23.72 <sup>a</sup>	21.72	0.001	17.02 <sup>b</sup>	16.35	0.079	18.01 <sup>a</sup>	17.13	0.007
Alabama	24.25 <sup>b</sup>	22.65	0.099	5.34	4.83	0.389	34.00 <sup>a</sup>	27.51	0.000	24.89	23.98	0.460	26.20	24.48	0.105
Alaska	24.64	23.35	0.192	6.02	7.20	0.145	35.38 <sup>a</sup>	30.46	0.004	25.09	24.19	0.483	26.74	25.16	0.147
Arizona	19.23	17.98	0.141	4.15 <sup>a</sup>	2.94	0.004	25.33	23.81	0.334	20.10	18.87	0.250	20.87	19.59	0.171
Arkansas	27.81 <sup>a</sup>	25.90	0.045	6.35 <sup>b</sup>	5.30	0.090	32.28	29.90	0.173	29.73	27.79	0.110	30.10 <sup>b</sup>	28.09	0.055
California	14.82	14.30	0.222	3.09	2.66	0.134	21.90 <sup>a</sup>	19.32	0.004	15.00	14.84	0.761	16.05	15.50	0.241
Colorado	19.71 <sup>a</sup>	16.76	0.000	4.84 <sup>a</sup>	3.44	0.003	29.65 <sup>a</sup>	25.62	0.017	19.80 <sup>a</sup>	16.86	0.003	21.23 <sup>a</sup>	18.12	0.000
Connecticut	17.56	17.95	0.653	4.50 <sup>a</sup>	3.54	0.021	30.39 <sup>b</sup>	27.43	0.071	17.03	18.10	0.333	18.89	19.40	0.593
Delaware	22.46 <sup>a</sup>	19.03	0.000	4.85 <sup>a</sup>	3.22	0.000	31.48 <sup>a</sup>	23.53	0.000	22.95 <sup>a</sup>	20.07	0.008	24.13 <sup>a</sup>	20.53	0.000
District of Columbia	19.87 <sup>b</sup>	18.36	0.061	3.02 <sup>a</sup>	2.05	0.002	23.86	21.72	0.148	20.21	18.79	0.157	20.83 <sup>b</sup>	19.28	0.068
Florida	18.89 <sup>a</sup>	16.62	0.000	3.56 <sup>a</sup>	2.93	0.043	23.66 <sup>a</sup>	20.36	0.001	19.75 <sup>a</sup>	17.46	0.002	20.26 <sup>a</sup>	17.82	0.000
Georgia	20.37	19.72	0.379	3.76	3.73	0.946	26.61	25.15	0.284	21.50	20.91	0.534	22.26	21.53	0.373
Hawaii	16.53 <sup>a</sup>	14.86	0.037	3.13	2.98	0.705	23.98	22.86	0.481	16.79 <sup>b</sup>	14.92	0.063	17.76 <sup>a</sup>	15.93	0.037
Idaho	17.71	17.17	0.533	5.04	4.49	0.366	23.99	24.66	0.694	18.45	17.71	0.512	19.26	18.71	0.574
Illinois	20.44 <sup>a</sup>	18.74	0.007	4.40	3.93	0.208	28.80 <sup>a</sup>	26.46	0.048	21.02 <sup>a</sup>	19.28	0.028	22.14 <sup>a</sup>	20.29	0.008
Indiana	25.91 <sup>a</sup>	22.82	0.001	6.74 <sup>b</sup>	5.60	0.084	35.13 <sup>a</sup>	28.32	0.000	26.75 <sup>a</sup>	24.06	0.028	28.01 <sup>a</sup>	24.70	0.002
Iowa	21.27	21.54	0.763	5.99 <sup>a</sup>	4.60	0.025	28.75	29.66	0.596	21.79	22.14	0.758	22.85	23.28	0.655
Kansas	18.93	18.83	0.904	4.77	3.91	0.126	24.75	23.75	0.534	19.75	19.90	0.889	20.52	20.49	0.979
Kentucky	28.79	28.27	0.630	7.77 <sup>b</sup>	6.51	0.088	37.23	35.74	0.418	29.89	29.63	0.845	30.94	30.49	0.702
Louisiana	26.44	25.84	0.535	5.82	5.65	0.790	33.60 <sup>a</sup>	29.82	0.029	27.78	27.67	0.929	28.65	27.98	0.536
Maine	20.71	19.97	0.446	6.12	6.29	0.818	29.53	28.52	0.542	20.95	20.15	0.498	21.99	21.15	0.424
Maryland	19.07	17.78	0.115	3.93	3.46	0.234	25.71	24.05	0.306	19.76	18.44	0.195	20.58	19.20	0.124
Massachusetts	16.66	16.71	0.958	4.11 <sup>a</sup>	3.00	0.011	25.91	23.76	0.191	16.40	16.95	0.599	17.81	17.95	0.878
Michigan	22.31	22.09	0.735	5.17	4.58	0.162	28.83 <sup>b</sup>	26.86	0.073	23.27	23.37	0.906	24.09	23.88	0.770
Minnesota	19.50	18.59	0.289	4.69	4.19	0.339	26.81	25.47	0.402	20.09	19.21	0.408	21.02	20.07	0.307
Mississippi	25.34	24.12	0.210	5.59	5.08	0.451	31.20 <sup>b</sup>	28.23	0.077	26.88	25.88	0.426	27.54	26.23	0.223
Missouri	25.09 <sup>a</sup>	22.98	0.019	6.95	6.06	0.214	35.67 <sup>a</sup>	30.61	0.005	25.49	23.74	0.119	26.96 <sup>a</sup>	24.71	0.022
Montana	19.65	20.95	0.167	6.29	7.08	0.318	28.78	27.70	0.478	19.61	21.36	0.139	20.92	22.25	0.191

See notes at end of file.

(continued)

**Table 9 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	21.95	21.20	0.398	5.10 <sup>a</sup>	3.93	0.031	27.92	26.28	0.329	23.04	22.52	0.640	23.78	23.09	0.477
Nevada	21.25	19.76	0.126	4.40 <sup>a</sup>	3.43	0.026	27.51 <sup>a</sup>	23.03	0.007	22.29	21.17	0.365	22.99	21.42	0.143
New Hampshire	19.70	19.16	0.543	5.92	5.04	0.157	30.47 <sup>b</sup>	27.46	0.067	19.49	19.35	0.895	20.99	20.45	0.581
New Jersey	16.69	15.82	0.221	3.51 <sup>b</sup>	2.90	0.086	24.71	25.05	0.803	17.02	15.93	0.228	18.03	17.12	0.245
New Mexico	20.32	20.28	0.966	4.11 <sup>a</sup>	2.95	0.009	30.09	28.80	0.492	20.68	21.01	0.785	22.05	22.13	0.943
New York	19.55 <sup>a</sup>	18.08	0.009	4.13 <sup>a</sup>	3.14	0.001	25.24 <sup>a</sup>	22.22	0.005	20.26 <sup>b</sup>	19.00	0.072	20.99 <sup>a</sup>	19.46	0.012
North Carolina	21.17	21.31	0.861	4.35	3.74	0.176	29.37	28.40	0.507	21.85	22.27	0.674	22.92	23.12	0.811
North Dakota	23.93 <sup>a</sup>	21.88	0.021	7.31 <sup>b</sup>	5.96	0.052	31.27 <sup>a</sup>	26.64	0.004	24.17	22.62	0.178	25.46 <sup>a</sup>	23.33	0.027
Ohio	25.26 <sup>a</sup>	23.79	0.042	5.98 <sup>a</sup>	4.93	0.034	33.72 <sup>a</sup>	30.98	0.034	26.22	24.89	0.141	27.27 <sup>b</sup>	25.74	0.052
Oklahoma	25.50	24.61	0.378	6.18 <sup>a</sup>	4.78	0.032	34.03 <sup>a</sup>	28.74	0.002	26.48	26.44	0.975	27.61	26.78	0.454
Oregon	18.00	18.21	0.807	5.25 <sup>b</sup>	4.33	0.091	26.99	27.34	0.837	17.99	18.29	0.774	19.20	19.49	0.752
Pennsylvania	21.55	21.47	0.907	5.03 <sup>a</sup>	3.91	0.006	29.58	28.06	0.197	22.07	22.34	0.749	23.11	23.11	0.990
Rhode Island	19.18	19.19	0.989	4.38	3.69	0.140	27.31	24.92	0.164	19.27	19.79	0.646	20.52	20.58	0.955
South Carolina	23.42	22.59	0.412	4.69	4.91	0.693	34.05 <sup>a</sup>	30.13	0.022	23.83	23.40	0.733	25.28	24.33	0.392
South Dakota	22.16	23.53	0.163	6.63	7.17	0.496	32.69	31.67	0.556	22.23	24.14	0.121	23.79	25.25	0.176
Tennessee	22.75 <sup>a</sup>	24.78	0.036	5.32	5.07	0.671	30.33	29.32	0.585	23.57 <sup>a</sup>	26.36	0.022	24.53 <sup>a</sup>	26.78	0.035
Texas	19.13	18.60	0.327	3.91 <sup>a</sup>	2.90	0.001	26.34 <sup>a</sup>	23.86	0.013	19.99	19.87	0.872	20.97	20.49	0.421
Utah	13.44	13.43	0.982	3.34	2.85	0.358	16.99	18.63	0.336	14.43	14.09	0.726	14.88	14.92	0.965
Vermont	21.98	22.33	0.725	6.20	6.23	0.964	33.55	35.63	0.290	21.58	21.62	0.974	23.36	23.70	0.745
Virginia	20.11	19.52	0.415	3.92	3.77	0.721	28.12	26.72	0.303	20.65	20.15	0.588	21.72	21.08	0.420
Washington	17.51 <sup>a</sup>	15.89	0.043	4.10	3.61	0.276	23.73	23.08	0.675	18.04 <sup>b</sup>	16.12	0.057	18.83 <sup>a</sup>	17.07	0.045
West Virginia	29.77	29.79	0.985	8.29	7.84	0.597	40.10 <sup>a</sup>	35.80	0.020	30.41	31.14	0.579	31.68	31.75	0.955
Wisconsin	20.60	20.51	0.924	5.90 <sup>a</sup>	4.33	0.007	29.13 <sup>a</sup>	24.34	0.004	20.93	21.79	0.461	22.10	22.15	0.959
Wyoming	24.24 <sup>a</sup>	21.73	0.008	7.76 <sup>a</sup>	5.88	0.008	31.24	29.36	0.270	25.00 <sup>a</sup>	22.34	0.026	25.90 <sup>a</sup>	23.34	0.012

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 10 Alcohol Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Total U.S.	6.14 <sup>a</sup>	5.73	0.000	2.62 <sup>a</sup>	2.23	0.000	11.61 <sup>a</sup>	10.80	0.000	5.64 <sup>a</sup>	5.31	0.002	6.51 <sup>a</sup>	6.09	0.000
Northeast	6.39 <sup>a</sup>	6.01	0.030	2.72 <sup>a</sup>	2.28	0.005	12.31	11.69	0.162	5.82	5.49	0.125	6.73 <sup>a</sup>	6.36	0.050
Midwest	6.25 <sup>a</sup>	5.90	0.019	2.52	2.29	0.110	12.45 <sup>a</sup>	11.66	0.025	5.66	5.37	0.116	6.64 <sup>a</sup>	6.28	0.027
South	5.76 <sup>a</sup>	5.25	0.000	2.52 <sup>a</sup>	2.08	0.001	10.61 <sup>a</sup>	9.86	0.012	5.34 <sup>a</sup>	4.87	0.004	6.09 <sup>a</sup>	5.58	0.000
West	6.47 <sup>b</sup>	6.14	0.060	2.78 <sup>a</sup>	2.38	0.033	11.88 <sup>a</sup>	10.85	0.010	5.99	5.80	0.380	6.86 <sup>b</sup>	6.53	0.092
Alabama	4.64	4.16	0.188	2.17	1.67	0.127	9.65	9.08	0.536	4.10	3.64	0.324	4.90	4.42	0.230
Alaska	7.43	6.82	0.197	2.55	2.59	0.906	12.30 <sup>b</sup>	10.45	0.080	7.16	6.72	0.462	7.99	7.30	0.193
Arizona	6.66 <sup>a</sup>	5.34	0.002	2.90 <sup>b</sup>	2.28	0.098	12.36	11.46	0.416	6.15 <sup>a</sup>	4.68	0.005	7.06 <sup>a</sup>	5.66	0.002
Arkansas	4.88	4.98	0.787	2.76 <sup>b</sup>	2.14	0.080	9.64	9.82	0.852	4.34	4.52	0.695	5.11	5.28	0.668
California	6.55	6.40	0.563	2.73	2.33	0.151	11.85 <sup>b</sup>	10.64	0.057	6.07	6.15	0.811	6.95	6.82	0.651
Colorado	7.47 <sup>a</sup>	6.41	0.025	3.20	2.60	0.138	12.56	11.53	0.362	7.13 <sup>b</sup>	6.00	0.057	7.91 <sup>a</sup>	6.79	0.033
Connecticut	6.90	6.78	0.815	2.74	2.82	0.862	13.00	11.34	0.155	6.40	6.50	0.876	7.32	7.18	0.797
Delaware	5.88	6.13	0.568	2.42	2.08	0.283	12.46 <sup>b</sup>	10.54	0.076	5.20	5.89	0.184	6.21	6.51	0.524
District of Columbia	8.22	8.53	0.577	2.44	1.88	0.129	12.85	13.17	0.793	7.65	8.03	0.572	8.55	8.91	0.545
Florida	5.91	5.63	0.366	2.69 <sup>b</sup>	2.20	0.056	10.30	9.94	0.605	5.60	5.36	0.535	6.19	5.93	0.431
Georgia	5.48 <sup>a</sup>	4.48	0.006	2.18 <sup>b</sup>	1.73	0.093	10.55 <sup>a</sup>	8.76	0.038	5.03 <sup>a</sup>	4.11	0.043	5.86 <sup>a</sup>	4.79	0.009
Hawaii	5.37	5.01	0.353	2.48	2.35	0.701	10.67	9.86	0.458	4.86	4.58	0.549	5.64	5.25	0.368
Idaho	6.05	5.54	0.192	2.98	2.56	0.275	11.89	10.70	0.249	5.48	5.09	0.429	6.42	5.90	0.237
Illinois	6.05	5.60	0.165	2.42	2.25	0.526	12.07	10.91	0.146	5.49	5.14	0.370	6.43	5.96	0.179
Indiana	5.94	5.36	0.154	2.65 <sup>b</sup>	2.07	0.096	12.48	11.44	0.337	5.21	4.71	0.322	6.30	5.72	0.194
Iowa	6.36	6.42	0.884	2.57	2.46	0.761	13.00	11.95	0.356	5.63	5.91	0.599	6.75	6.83	0.867
Kansas	5.98 <sup>a</sup>	5.08	0.023	2.51	2.36	0.720	12.38	11.96	0.716	5.27 <sup>a</sup>	4.19	0.029	6.37 <sup>a</sup>	5.38	0.027
Kentucky	5.61	5.38	0.567	2.36	2.08	0.350	10.14	10.04	0.923	5.25	5.00	0.631	5.95	5.71	0.610
Louisiana	6.59	6.51	0.858	2.43	2.60	0.663	10.54	10.02	0.581	6.42	6.40	0.966	7.04	6.93	0.828
Maine	5.33	5.68	0.386	2.52	2.42	0.782	12.07	11.61	0.683	4.69	5.21	0.301	5.57	5.97	0.382
Maryland	6.57	5.95	0.198	2.56 <sup>b</sup>	1.99	0.087	11.25	11.45	0.866	6.28	5.54	0.229	6.97	6.34	0.237
Massachusetts	6.70 <sup>b</sup>	7.52	0.097	2.98	2.56	0.279	12.58	12.93	0.784	6.07 <sup>b</sup>	7.11	0.093	7.04 <sup>b</sup>	7.97	0.086
Michigan	5.66	5.75	0.760	2.63	2.36	0.311	11.49	10.83	0.378	5.02	5.30	0.498	5.97	6.10	0.713
Minnesota	6.33	5.72	0.119	2.20	2.16	0.883	13.33	12.22	0.342	5.70	5.11	0.219	6.75	6.09	0.124
Mississippi	5.15	4.56	0.126	2.17 <sup>b</sup>	1.68	0.087	8.90	8.39	0.586	4.86	4.25	0.219	5.48	4.88	0.161
Missouri	6.14	5.80	0.409	2.28	2.21	0.828	12.57	11.75	0.446	5.53	5.24	0.578	6.54	6.17	0.418
Montana	6.95	7.24	0.551	2.60	2.91	0.460	14.09	14.65	0.628	6.25	6.51	0.662	7.37	7.65	0.594

See notes at end of file.

(continued)

**Table 10 Alcohol Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	12+ (2014- 2015)	12+ (2015- 2016)	12+ (P Value)	12-17 (2014- 2015)	12-17 (2015- 2016)	12-17 (P Value)	18-25 (2014- 2015)	18-25 (2015- 2016)	18-25 (P Value)	26+ (2014- 2015)	26+ (2015- 2016)	26+ (P Value)	18+ (2014- 2015)	18+ (2015- 2016)	18+ (P Value)
Nebraska	6.85 <sup>a</sup>	5.88	0.029	2.33	2.43	0.779	13.25 <sup>b</sup>	11.12	0.074	6.28 <sup>b</sup>	5.38	0.100	7.34 <sup>a</sup>	6.25	0.029
Nevada	6.25 <sup>a</sup>	5.33	0.025	3.02	2.59	0.304	11.71	11.04	0.543	5.79 <sup>a</sup>	4.79	0.049	6.58 <sup>a</sup>	5.61	0.032
New Hampshire	7.20 <sup>a</sup>	6.02	0.016	2.68	2.28	0.253	14.12 <sup>b</sup>	12.01	0.085	6.59 <sup>b</sup>	5.47	0.062	7.62 <sup>a</sup>	6.36	0.019
New Jersey	5.72 <sup>a</sup>	4.83	0.015	3.24 <sup>a</sup>	2.19	0.005	11.42	11.24	0.859	5.15 <sup>a</sup>	4.18	0.028	5.97 <sup>a</sup>	5.10	0.031
New Mexico	6.82	6.98	0.716	2.59	2.76	0.680	12.05	11.56	0.653	6.46	6.74	0.616	7.28	7.43	0.746
New York	6.41	6.07	0.265	2.51	2.21	0.254	11.59	11.16	0.548	5.95	5.64	0.396	6.77	6.43	0.297
North Carolina	5.29 <sup>b</sup>	4.65	0.081	2.08 <sup>b</sup>	1.62	0.061	10.89 <sup>a</sup>	9.01	0.019	4.75	4.31	0.333	5.62	4.96	0.103
North Dakota	7.06	6.96	0.812	2.96	2.82	0.720	13.19	12.74	0.691	6.15	6.17	0.968	7.44	7.34	0.831
Ohio	6.47	6.07	0.254	2.45	2.16	0.279	11.66	11.59	0.934	6.11	5.65	0.291	6.89	6.47	0.285
Oklahoma	6.18 <sup>b</sup>	5.45	0.087	2.11	2.09	0.965	11.04	9.73	0.169	5.84	5.13	0.199	6.63 <sup>b</sup>	5.82	0.089
Oregon	6.92	7.07	0.758	3.05	2.79	0.535	12.48	11.94	0.651	6.49	6.78	0.606	7.29	7.46	0.731
Pennsylvania	6.45 <sup>a</sup>	5.62	0.008	2.53 <sup>b</sup>	2.12	0.098	13.26	11.99	0.138	5.79 <sup>a</sup>	5.00	0.036	6.82 <sup>a</sup>	5.95	0.011
Rhode Island	6.98	6.84	0.783	2.86	2.32	0.187	13.83	11.98	0.143	6.16	6.39	0.713	7.36	7.25	0.843
South Carolina	5.94	5.75	0.644	2.56	2.11	0.143	10.50	10.88	0.722	5.57	5.35	0.649	6.27	6.11	0.717
South Dakota	7.39	7.27	0.796	2.63	2.87	0.573	14.55	12.96	0.186	6.72	6.82	0.868	7.89	7.73	0.759
Tennessee	5.29	5.05	0.521	2.18	1.85	0.268	10.43	10.22	0.843	4.81	4.59	0.626	5.61	5.38	0.574
Texas	5.95 <sup>a</sup>	5.10	0.001	2.98 <sup>a</sup>	2.38	0.036	10.70	9.69	0.147	5.50 <sup>a</sup>	4.65	0.008	6.31 <sup>a</sup>	5.43	0.002
Utah	4.79	4.28	0.152	2.26	1.87	0.292	9.85	8.74	0.288	4.08	3.69	0.383	5.15	4.62	0.190
Vermont	6.95	6.80	0.753	2.75	2.60	0.668	15.50	15.21	0.839	5.89	5.75	0.814	7.32	7.16	0.764
Virginia	5.76	5.70	0.861	2.19	2.08	0.706	11.43	10.85	0.539	5.23	5.28	0.917	6.12	6.06	0.880
Washington	5.68	5.73	0.913	2.74	2.30	0.210	11.57	10.70	0.410	5.07	5.32	0.630	5.97	6.06	0.849
West Virginia	5.49 <sup>a</sup>	4.47	0.015	2.87 <sup>b</sup>	2.14	0.069	11.46	11.09	0.740	4.87 <sup>a</sup>	3.73	0.025	5.73 <sup>a</sup>	4.68	0.022
Wisconsin	7.33	7.16	0.709	3.06	2.63	0.297	14.57	14.03	0.665	6.64	6.56	0.888	7.76	7.62	0.772
Wyoming	6.36	6.54	0.683	2.94	2.86	0.861	13.15	12.83	0.788	5.62	5.94	0.542	6.71	6.92	0.673

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Alcohol Use Disorder is defined as meeting criteria for alcohol dependence or abuse. Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 11** *Serious Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs*

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Total U.S.	4.05	4.13	0.376	4.92 <sup>a</sup>	5.46	0.001	3.91	3.91	0.996
Northeast	3.94	4.07	0.345	5.15	5.56	0.109	3.74	3.83	0.564
Midwest	4.36	4.37	0.897	5.33 <sup>a</sup>	5.94	0.008	4.19	4.11	0.591
South	4.00	4.05	0.703	4.54 <sup>a</sup>	5.03	0.008	3.91	3.89	0.856
West	3.96	4.09	0.383	4.98 <sup>a</sup>	5.62	0.011	3.78	3.82	0.794
Alabama	4.64	4.23	0.274	4.97	5.07	0.861	4.59	4.09	0.261
Alaska	4.02	4.53	0.126	5.75 <sup>a</sup>	7.17	0.026	3.69	4.04	0.364
Arizona	4.33	4.04	0.404	5.06	5.52	0.435	4.21	3.79	0.305
Arkansas	5.27	5.45	0.637	5.16	5.98	0.141	5.29	5.36	0.870
California	3.53	3.61	0.690	4.47	5.05	0.122	3.36	3.36	0.986
Colorado	4.27	4.61	0.301	5.27 <sup>a</sup>	6.65	0.031	4.10	4.27	0.653
Connecticut	3.46	3.59	0.682	5.01	5.44	0.481	3.21	3.28	0.828
Delaware	3.75	4.23	0.127	5.03	5.91	0.172	3.55	3.97	0.237
District of Columbia	3.63	3.92	0.354	4.70	5.38	0.219	3.41	3.61	0.570
Florida	3.61	3.56	0.822	4.33 <sup>b</sup>	5.06	0.055	3.51	3.35	0.558
Georgia	3.99	4.17	0.568	4.12	4.49	0.442	3.96	4.11	0.687
Hawaii	3.59	3.18	0.247	4.34	4.70	0.487	3.48	2.96	0.204
Idaho	4.57	4.98	0.277	5.64 <sup>b</sup>	6.70	0.090	4.38	4.69	0.490
Illinois	3.53	3.74	0.439	4.50 <sup>b</sup>	5.20	0.093	3.37	3.49	0.679
Indiana	4.81	4.93	0.744	5.71	6.49	0.268	4.65	4.66	0.983
Iowa	4.15	3.93	0.500	5.25	5.59	0.580	3.96	3.63	0.400
Kansas	4.08	4.37	0.401	4.97 <sup>b</sup>	5.91	0.098	3.91	4.09	0.667
Kentucky	5.08	5.25	0.671	4.93	5.89	0.128	5.11	5.14	0.940
Louisiana	4.53	4.53	0.996	4.60	4.97	0.487	4.51	4.45	0.880
Maine	5.06 <sup>b</sup>	4.35	0.073	5.39	5.62	0.714	5.01 <sup>b</sup>	4.18	0.066
Maryland	3.05	3.41	0.192	4.66	5.14	0.392	2.79	3.14	0.282
Massachusetts	3.86	4.32	0.135	5.09	6.08	0.128	3.64	4.02	0.291
Michigan	4.33	4.44	0.696	5.39	5.83	0.337	4.15	4.21	0.860
Minnesota	4.33	4.25	0.802	5.45	5.96	0.422	4.15	3.98	0.640
Mississippi	4.14	3.92	0.564	3.92	4.46	0.290	4.17	3.82	0.421
Missouri	4.68	4.17	0.173	5.56	5.53	0.969	4.53	3.94	0.170
Montana	5.19	5.34	0.694	5.73 <sup>a</sup>	6.99	0.041	5.10	5.08	0.964

See notes at end of file.

(continued)

**Table 11 Serious Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Nebraska	4.43	4.17	0.444	5.69	5.69	0.994	4.21	3.90	0.439
Nevada	4.41	4.21	0.586	5.38	5.76	0.546	4.26	3.98	0.499
New Hampshire	5.42	5.07	0.430	7.55	8.24	0.452	5.08	4.57	0.309
New Jersey	3.62	3.57	0.859	5.49	5.36	0.827	3.34	3.30	0.908
New Mexico	4.47	4.43	0.909	4.46	5.09	0.297	4.47	4.32	0.719
New York	3.90	4.08	0.484	4.75	5.24	0.231	3.76	3.88	0.664
North Carolina	4.67	4.72	0.894	4.49	4.42	0.897	4.70	4.77	0.874
North Dakota	3.90	4.03	0.653	5.18	5.89	0.245	3.61	3.63	0.966
Ohio	5.22	5.13	0.769	5.94	6.78	0.147	5.10	4.87	0.492
Oklahoma	4.33	4.60	0.429	5.02	5.41	0.491	4.20	4.45	0.533
Oregon	4.73	5.19	0.248	6.81	7.84	0.165	4.40	4.79	0.396
Pennsylvania	4.01	4.20	0.472	5.39	5.57	0.689	3.79	3.98	0.532
Rhode Island	4.51	4.24	0.480	5.13	5.71	0.326	4.39	3.97	0.348
South Carolina	4.08	3.98	0.771	4.68	4.79	0.843	3.98	3.85	0.741
South Dakota	4.13	4.12	0.970	4.83	5.61	0.170	4.00	3.86	0.699
Tennessee	4.36	4.98	0.112	4.82	5.62	0.190	4.29	4.87	0.184
Texas	3.34	3.26	0.717	4.22	4.80	0.132	3.18	2.98	0.426
Utah	4.55 <sup>b</sup>	5.20	0.061	6.12	6.77	0.391	4.19	4.84	0.108
Vermont	4.88	5.32	0.298	5.32	6.27	0.149	4.80	5.16	0.468
Virginia	4.45	4.60	0.618	5.32	5.62	0.609	4.30	4.43	0.705
Washington	4.43	4.80	0.337	5.85	5.95	0.868	4.21	4.62	0.351
West Virginia	5.41	5.18	0.610	5.30	6.22	0.153	5.43	5.03	0.436
Wisconsin	3.99	4.24	0.457	5.28	6.21	0.178	3.77	3.91	0.718
Wyoming	4.41	4.62	0.534	5.76	6.73	0.140	4.18	4.27	0.816

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Serious mental illness (SMI) is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, assessed by the Mental Health Surveillance Study (MHSS) *Structured Clinical Interview for the Diagnostic and Statistical Manual of Mental Disorders—Fourth Edition—Research Version—Axis I Disorders* (MHSS-SCID), which is based on the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV). SMI includes individuals with diagnoses resulting in serious functional impairment. For details, see Section B of the "2015-2016 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 12 Any Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Total U.S.	18.01	18.07	0.679	20.89 <sup>a</sup>	21.89	0.001	17.52	17.44	0.669
Northeast	17.76	17.86	0.743	22.00	22.58	0.279	17.07	17.10	0.930
Midwest	18.34	18.01	0.253	21.43 <sup>b</sup>	22.25	0.073	17.81	17.30	0.116
South	17.82	17.95	0.612	19.31 <sup>a</sup>	20.50	0.001	17.57	17.53	0.895
West	18.18	18.48	0.316	22.03 <sup>a</sup>	23.21	0.027	17.51	17.67	0.640
Alabama	18.85	18.47	0.657	18.78	20.07	0.301	18.86	18.20	0.505
Alaska	18.11 <sup>a</sup>	20.01	0.021	24.93	27.17	0.138	16.80 <sup>a</sup>	18.70	0.045
Arizona	18.32	17.52	0.321	19.58	20.65	0.411	18.10	16.99	0.236
Arkansas	19.77	21.02	0.176	21.50	22.88	0.336	19.48	20.71	0.256
California	17.04	17.15	0.811	20.70 <sup>b</sup>	22.21	0.067	16.38	16.26	0.806
Colorado	19.55	20.05	0.558	24.26	25.63	0.352	18.75	19.11	0.714
Connecticut	17.42	18.00	0.458	21.34	23.48	0.142	16.78	17.11	0.720
Delaware	18.51	17.71	0.345	20.97	21.60	0.646	18.11	17.11	0.302
District of Columbia	17.95	18.82	0.256	19.31	21.11	0.169	17.67	18.35	0.453
Florida	16.77	17.30	0.367	19.01 <sup>b</sup>	20.57	0.076	16.44	16.84	0.552
Georgia	17.42	17.74	0.650	19.90	18.88	0.357	16.99	17.55	0.498
Hawaii	15.91	15.55	0.636	20.03	21.10	0.449	15.28	14.74	0.532
Idaho	20.41	21.62	0.181	23.90	25.08	0.434	19.82	21.03	0.238
Illinois	16.16	15.73	0.455	19.03	19.43	0.682	15.68	15.12	0.392
Indiana	20.56	19.95	0.476	24.31	24.86	0.716	19.90	19.08	0.419
Iowa	17.10	17.72	0.417	19.27	21.52	0.106	16.72	17.04	0.714
Kansas	17.52	18.17	0.410	19.19	21.42	0.106	17.22	17.58	0.696
Kentucky	21.30	22.08	0.404	19.78	21.20	0.332	21.55	22.23	0.535
Louisiana	18.42	17.31	0.170	17.30	16.91	0.748	18.62	17.38	0.184
Maine	19.16 <sup>b</sup>	17.62	0.077	23.21	21.87	0.354	18.61	17.04	0.117
Maryland	16.62	16.59	0.973	21.14	21.77	0.658	15.89	15.78	0.894
Massachusetts	18.99	19.34	0.668	21.81	24.09	0.127	18.50	18.51	0.993
Michigan	18.07	17.33	0.229	22.10	21.87	0.817	17.38	16.55	0.255
Minnesota	18.78	18.24	0.488	22.58	24.49	0.192	18.17	17.24	0.305
Mississippi	17.95	17.49	0.607	16.41	17.19	0.542	18.23	17.55	0.510
Missouri	17.99	18.03	0.957	20.97	19.43	0.260	17.49	17.80	0.751
Montana	19.97	20.57	0.490	24.13	25.39	0.373	19.28	19.79	0.614

See notes at end of file.

(continued)



**Table 12 Any Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Nebraska	18.19	18.39	0.811	20.00 <sup>b</sup>	22.75	0.074	17.87	17.61	0.782
Nevada	17.91	18.33	0.603	20.74	22.05	0.354	17.48	17.77	0.751
New Hampshire	21.67 <sup>a</sup>	19.36	0.013	28.01	26.10	0.246	20.68 <sup>a</sup>	18.30	0.024
New Jersey	16.19	15.50	0.312	20.62	20.29	0.797	15.52	14.78	0.332
New Mexico	19.93	19.19	0.399	21.26	23.51	0.140	19.70	18.46	0.223
New York	17.22	17.54	0.565	22.30	22.32	0.983	16.36	16.74	0.540
North Carolina	19.48	18.98	0.512	20.92	21.46	0.632	19.24	18.58	0.451
North Dakota	16.78	17.06	0.718	21.85	21.25	0.665	15.65	16.14	0.564
Ohio	20.20	19.72	0.450	22.49 <sup>b</sup>	24.18	0.098	19.82	19.01	0.263
Oklahoma	19.18	18.93	0.766	20.58	21.43	0.528	18.93	18.50	0.652
Oregon	21.47	22.61	0.224	27.21	28.37	0.483	20.59	21.74	0.283
Pennsylvania	18.21	18.76	0.352	21.89	22.65	0.445	17.62	18.16	0.438
Rhode Island	20.50	19.23	0.132	22.01	23.60	0.291	20.22 <sup>b</sup>	18.43	0.068
South Carolina	17.52	18.12	0.486	18.89 <sup>b</sup>	21.43	0.081	17.29	17.59	0.763
South Dakota	17.57	17.83	0.746	20.90	21.97	0.404	16.99	17.11	0.897
Tennessee	19.85	19.63	0.795	20.40	21.79	0.345	19.76	19.28	0.614
Texas	15.98	16.04	0.912	17.92 <sup>b</sup>	19.41	0.089	15.63	15.42	0.717
Utah	20.48 <sup>a</sup>	22.27	0.026	24.06	25.20	0.479	19.66 <sup>a</sup>	21.61	0.038
Vermont	20.27	20.85	0.537	23.37 <sup>a</sup>	28.30	0.005	19.73	19.55	0.873
Virginia	19.18	19.96	0.284	20.56 <sup>a</sup>	23.98	0.005	18.94	19.30	0.669
Washington	19.68	20.72	0.254	26.63	25.34	0.404	18.56	19.99	0.177
West Virginia	20.89	20.90	0.991	20.88	21.96	0.425	20.89	20.75	0.891
Wisconsin	18.75	18.51	0.757	22.42	24.00	0.286	18.15	17.61	0.546
Wyoming	19.51	19.46	0.952	23.37	23.71	0.821	18.85	18.76	0.920

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Any mental illness (AMI) is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, assessed by the Mental Health Surveillance Study (MHSS) *Structured Clinical Interview for the Diagnostic and Statistical Manual of Mental Disorders—Fourth Edition—Research Version—Axis I Disorders* (MHSS-SCID), which is based on the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV). For details, see Section B of the "2015-2016 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 13 Received Mental Health Services in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Total U.S.	14.51	14.28	0.167	11.80 <sup>a</sup>	12.28	0.046	14.96 <sup>b</sup>	14.61	0.059
Northeast	15.52	15.74	0.480	13.09	13.59	0.212	15.91	16.08	0.639
Midwest	15.81	15.75	0.837	13.44 <sup>a</sup>	14.36	0.016	16.21	15.99	0.478
South	13.79	13.52	0.228	10.84	11.18	0.234	14.28	13.91	0.144
West	13.68 <sup>a</sup>	13.06	0.020	10.88	11.21	0.381	14.17 <sup>a</sup>	13.37	0.011
Alabama	14.58 <sup>a</sup>	12.98	0.032	12.07 <sup>b</sup>	10.60	0.088	15.00 <sup>b</sup>	13.38	0.064
Alaska	13.77	13.54	0.735	13.78	13.38	0.748	13.77	13.57	0.805
Arizona	13.37 <sup>a</sup>	11.87	0.040	9.47	10.44	0.270	14.05 <sup>a</sup>	12.12	0.025
Arkansas	15.54	15.54	0.993	13.47	12.89	0.607	15.89	15.97	0.923
California	12.02	11.59	0.271	9.16	9.51	0.550	12.54	11.95	0.204
Colorado	16.10	15.86	0.738	13.20	14.38	0.286	16.59	16.10	0.568
Connecticut	16.98	17.05	0.940	14.14	15.28	0.379	17.44	17.33	0.913
Delaware	16.30	15.06	0.122	12.88	12.18	0.492	16.85	15.50	0.147
District of Columbia	15.00	15.18	0.810	13.36	12.90	0.673	15.35	15.65	0.728
Florida	12.07	12.75	0.204	9.88	10.09	0.737	12.39	13.12	0.230
Georgia	12.67	12.03	0.310	9.46	9.43	0.967	13.23	12.48	0.312
Hawaii	9.87	9.03	0.196	8.09	8.91	0.348	10.14	9.04	0.138
Idaho	17.72	16.64	0.189	15.78	16.47	0.573	18.05	16.67	0.148
Illinois	14.01	13.64	0.509	11.70	12.44	0.326	14.39	13.84	0.394
Indiana	16.22	15.36	0.300	13.86	13.97	0.927	16.63	15.61	0.288
Iowa	15.74	16.75	0.196	13.35	14.91	0.170	16.16	17.07	0.320
Kansas	15.99 <sup>a</sup>	14.20	0.023	14.44	13.92	0.631	16.27 <sup>a</sup>	14.25	0.029
Kentucky	17.84	17.94	0.903	13.61 <sup>b</sup>	15.45	0.098	18.54	18.35	0.855
Louisiana	13.56	13.35	0.758	11.00	10.71	0.744	14.01	13.80	0.794
Maine	19.48	19.37	0.918	17.10	17.37	0.837	19.80	19.64	0.892
Maryland	14.19	13.66	0.474	12.33	13.61	0.227	14.49	13.67	0.343
Massachusetts	17.87	18.86	0.257	14.92	16.59	0.145	18.38	19.25	0.398
Michigan	15.76	16.12	0.541	13.74	14.95	0.143	16.10	16.31	0.759
Minnesota	17.39 <sup>a</sup>	19.08	0.042	15.46	17.41	0.134	17.70 <sup>b</sup>	19.35	0.084
Mississippi	13.08	11.98	0.159	10.69	9.53	0.173	13.52	12.41	0.233
Missouri	15.33	15.70	0.648	11.73	12.28	0.593	15.93	16.27	0.722
Montana	17.61	16.48	0.205	15.11	16.61	0.177	18.03	16.46	0.136

See notes at end of file.

(continued)

**Table 13 Received Mental Health Services in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Nebraska	14.75	15.93	0.140	12.26 <sup>a</sup>	15.80	0.001	15.19	15.95	0.419
Nevada	12.32	11.63	0.326	9.07	8.96	0.902	12.82	12.03	0.329
New Hampshire	21.13	20.72	0.693	19.59	20.55	0.521	21.37	20.75	0.599
New Jersey	13.52	12.67	0.223	12.07	11.82	0.791	13.74	12.80	0.241
New Mexico	14.80 <sup>a</sup>	12.95	0.013	10.27	10.60	0.741	15.58 <sup>a</sup>	13.35	0.010
New York	14.09	14.47	0.456	11.68	12.10	0.542	14.50	14.86	0.537
North Carolina	15.91	16.01	0.875	12.30	12.69	0.662	16.50	16.55	0.952
North Dakota	14.82	14.48	0.651	12.38	12.92	0.605	15.38	14.82	0.550
Ohio	16.96	16.50	0.453	14.07	15.07	0.259	17.43	16.73	0.323
Oklahoma	15.66	15.13	0.498	12.65	13.28	0.543	16.19	15.45	0.423
Oregon	17.77	17.52	0.768	15.56	16.00	0.689	18.10	17.75	0.715
Pennsylvania	15.98	16.35	0.577	13.28	13.06	0.786	16.41	16.86	0.555
Rhode Island	18.40	18.96	0.537	14.76	16.54	0.148	19.08	19.40	0.762
South Carolina	14.58	14.42	0.826	12.37	13.42	0.308	14.94	14.58	0.668
South Dakota	15.62	14.95	0.397	13.15	14.67	0.153	16.06	15.00	0.252
Tennessee	16.78 <sup>a</sup>	15.10	0.032	12.95	12.88	0.944	17.40 <sup>a</sup>	15.46	0.031
Texas	11.51	10.97	0.246	8.34	8.91	0.322	12.10	11.35	0.169
Utah	16.64	15.72	0.233	14.69	15.70	0.424	17.09	15.73	0.141
Vermont	19.18	20.39	0.201	16.75 <sup>a</sup>	22.34	0.001	19.61	20.05	0.681
Virginia	15.74	16.54	0.246	12.70	13.97	0.178	16.24	16.95	0.370
Washington	17.08	16.37	0.394	15.24	13.49	0.133	17.38	16.83	0.570
West Virginia	18.26	17.01	0.152	14.40	13.88	0.647	18.83	17.47	0.175
Wisconsin	16.57	16.07	0.537	15.10	15.55	0.717	16.81	16.15	0.486
Wyoming	15.37 <sup>b</sup>	13.98	0.065	13.89	13.20	0.606	15.62 <sup>b</sup>	14.11	0.087

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Mental Health Services are defined as having received inpatient treatment/counseling or outpatient treatment/counseling or having used prescription medication for problems with emotions, nerves, or mental health. Respondents were not to include treatment for drug or alcohol use.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 14** *Had Serious Thoughts of Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs*

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Total U.S.	3.99	4.04	0.544	7.88 <sup>a</sup>	8.57	0.000	3.34	3.30	0.613
Northeast	3.93	4.03	0.447	8.15 <sup>b</sup>	8.81	0.052	3.24	3.26	0.882
Midwest	4.14	4.14	0.994	8.08 <sup>a</sup>	8.66	0.035	3.48	3.38	0.447
South	3.86	3.84	0.828	7.40 <sup>a</sup>	8.06	0.008	3.27	3.15	0.285
West	4.12	4.30	0.223	8.25 <sup>a</sup>	9.09	0.012	3.41	3.48	0.627
Alabama	4.02	3.57	0.120	7.76	7.27	0.530	3.40	2.96	0.172
Alaska	4.68	5.15	0.173	9.97 <sup>b</sup>	11.76	0.053	3.66	3.94	0.447
Arizona	4.34	4.01	0.292	8.06	8.92	0.275	3.70	3.18	0.123
Arkansas	4.41	4.47	0.852	7.43	8.60	0.135	3.90	3.78	0.729
California	3.80	3.96	0.403	7.68 <sup>b</sup>	8.54	0.099	3.11	3.17	0.779
Colorado	4.47	4.88	0.212	8.56	9.56	0.213	3.78	4.10	0.375
Connecticut	3.49	3.76	0.340	7.59	8.56	0.239	2.82	2.98	0.602
Delaware	4.03	4.35	0.262	8.33	9.13	0.322	3.34	3.62	0.347
District of Columbia	4.18	4.22	0.906	7.26	7.93	0.337	3.54	3.46	0.818
Florida	3.59	3.34	0.228	7.33	8.12	0.143	3.04 <sup>b</sup>	2.67	0.081
Georgia	4.03	3.94	0.744	6.92	7.02	0.874	3.53	3.41	0.709
Hawaii	3.88	3.79	0.803	7.96	8.99	0.169	3.25	3.03	0.576
Idaho	4.39	4.84	0.244	8.05 <sup>b</sup>	9.36	0.099	3.76	4.08	0.457
Illinois	3.89	3.89	0.996	7.58	8.45	0.134	3.27	3.14	0.592
Indiana	4.17	4.58	0.203	8.03	9.12	0.197	3.49	3.78	0.390
Iowa	3.93	3.94	0.981	8.13	8.74	0.467	3.18	3.08	0.725
Kansas	4.14 <sup>b</sup>	4.72	0.070	7.91 <sup>b</sup>	9.34	0.054	3.45	3.88	0.217
Kentucky	4.66	5.08	0.222	7.89 <sup>b</sup>	9.36	0.073	4.12	4.38	0.489
Louisiana	4.19	4.24	0.853	7.37	7.78	0.568	3.63	3.64	0.970
Maine	4.10	3.74	0.265	8.02	7.68	0.677	3.57	3.22	0.303
Maryland	3.65	3.82	0.542	7.74	8.23	0.516	3.00	3.13	0.656
Massachusetts	3.88	3.97	0.766	7.62	8.49	0.241	3.23	3.19	0.881
Michigan	4.14	3.91	0.364	8.35	8.35	0.993	3.41	3.16	0.356
Minnesota	4.07	4.15	0.785	8.21	8.79	0.454	3.41	3.41	0.984
Mississippi	4.13	3.78	0.253	6.97	7.72	0.293	3.62	3.08	0.125
Missouri	3.92	3.47	0.118	7.67	7.18	0.530	3.29	2.86	0.154
Montana	4.95	5.29	0.378	8.96 <sup>b</sup>	10.47	0.059	4.29	4.45	0.713

See notes at end of file.

(continued)

**Table 14 Had Serious Thoughts of Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Nebraska	4.18	4.42	0.416	8.27	8.12	0.853	3.45	3.76	0.316
Nevada	4.45	4.29	0.651	8.56	8.90	0.678	3.82	3.60	0.579
New Hampshire	4.94	5.01	0.862	10.56	10.26	0.773	4.06	4.18	0.754
New Jersey	3.78	3.58	0.424	8.10	8.47	0.591	3.13	2.85	0.292
New Mexico	4.08	4.28	0.578	7.93	8.88	0.260	3.42	3.50	0.829
New York	3.85	3.94	0.694	8.00	8.82	0.166	3.15	3.13	0.910
North Carolina	4.20	4.23	0.917	7.28	7.71	0.534	3.69	3.67	0.952
North Dakota	3.95	4.17	0.432	8.01	8.47	0.540	3.04	3.24	0.509
Ohio	4.64	4.47	0.499	8.52	9.27	0.273	4.01	3.70	0.264
Oklahoma	3.97	3.77	0.488	7.74	7.54	0.782	3.31	3.12	0.538
Oregon	4.37 <sup>b</sup>	5.07	0.058	10.09	11.52	0.103	3.49	4.09	0.133
Pennsylvania	4.10	4.41	0.224	8.64	9.05	0.521	3.38	3.69	0.267
Rhode Island	4.42	4.49	0.831	8.62	9.55	0.314	3.65	3.57	0.818
South Carolina	3.73	3.73	0.980	6.87	7.25	0.612	3.21	3.17	0.910
South Dakota	3.66	3.82	0.607	7.33	7.47	0.845	3.02	3.19	0.616
Tennessee	4.26	4.55	0.404	7.59	8.33	0.361	3.72	3.94	0.539
Texas	3.46	3.51	0.825	7.28 <sup>a</sup>	8.38	0.042	2.76	2.62	0.520
Utah	5.25	5.62	0.316	9.95	10.49	0.572	4.18	4.52	0.386
Vermont	4.59 <sup>a</sup>	5.48	0.028	7.94 <sup>a</sup>	10.34	0.007	4.01	4.64	0.167
Virginia	3.94	3.96	0.923	8.06	8.57	0.484	3.25	3.21	0.895
Washington	4.54	4.73	0.608	9.49	9.67	0.816	3.75	3.96	0.619
West Virginia	4.23	4.31	0.824	7.69	8.72	0.210	3.71	3.66	0.882
Wisconsin	4.18	4.41	0.447	8.30	9.41	0.186	3.50	3.59	0.788
Wyoming	4.14	4.14	0.994	8.37	8.66	0.716	3.42	3.39	0.920

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Respondents were asked, "At any time in the past 12 months, did you seriously think about trying to kill yourself?" If they answered "Yes," they were categorized as having serious thoughts of suicide in the past year.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.

**Table 15 Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	12-17 (2014-2015)	12-17 (2015-2016)	12-17 (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Total U.S.	6.64	6.70	0.551	11.93 <sup>a</sup>	12.63	0.002	9.79 <sup>a</sup>	10.59	0.000	6.11	6.06	0.671
Northeast	6.82	6.80	0.936	11.68	12.13	0.249	10.56	11.08	0.190	6.21	6.11	0.633
Midwest	6.87	6.89	0.894	12.12 <sup>a</sup>	13.53	0.000	10.23 <sup>a</sup>	11.01	0.016	6.31	6.20	0.556
South	6.52	6.60	0.604	11.51	11.90	0.188	9.09 <sup>a</sup>	9.91	0.002	6.09	6.05	0.805
West	6.47	6.61	0.421	12.59 <sup>b</sup>	13.32	0.083	9.94 <sup>a</sup>	10.89	0.016	5.87	5.88	0.930
Alabama	6.81	6.66	0.735	10.97	11.18	0.820	8.61	9.99	0.140	6.51	6.12	0.418
Alaska	6.73	7.39	0.145	12.40 <sup>a</sup>	15.22	0.012	11.68	12.85	0.226	5.77	6.40	0.222
Arizona	6.77	6.03	0.124	13.20	11.68	0.159	8.46	8.61	0.868	6.48 <sup>b</sup>	5.60	0.097
Arkansas	7.78	8.13	0.474	12.72	13.05	0.756	10.27	10.60	0.738	7.36	7.72	0.521
California	5.90	6.04	0.601	12.28	12.93	0.297	9.57 <sup>b</sup>	10.65	0.071	5.24	5.23	0.970
Colorado	7.25	7.62	0.401	13.73	14.59	0.427	10.47 <sup>a</sup>	12.66	0.039	6.71	6.78	0.882
Connecticut	6.77	6.84	0.875	11.49	12.52	0.317	10.28	11.73	0.150	6.21	6.05	0.727
Delaware	6.39	6.52	0.761	11.47	11.94	0.630	9.88	10.34	0.609	5.83	5.94	0.829
District of Columbia	6.60	7.28	0.113	9.96	9.91	0.949	9.92 <sup>b</sup>	11.88	0.072	5.91	6.34	0.365
Florida	5.95	6.12	0.605	11.88	12.84	0.166	8.84 <sup>a</sup>	10.40	0.011	5.53	5.52	0.964
Georgia	6.43	6.72	0.469	10.08	10.14	0.942	9.10	9.39	0.707	5.96	6.26	0.508
Hawaii	5.65	5.37	0.510	9.87	10.99	0.268	8.31	9.43	0.232	5.24	4.78	0.327
Idaho	7.14	7.62	0.277	13.03 <sup>a</sup>	15.93	0.009	10.94	11.17	0.825	6.49	7.02	0.277
Illinois	5.98	5.62	0.259	11.20 <sup>b</sup>	12.46	0.098	9.06	9.54	0.496	5.46	4.97	0.162
Indiana	7.89	7.69	0.691	14.64	14.70	0.955	12.01	12.37	0.736	7.16	6.87	0.598
Iowa	6.41	6.69	0.506	11.87 <sup>a</sup>	14.09	0.039	8.95 <sup>b</sup>	10.82	0.062	5.96	5.96	0.991
Kansas	7.01	7.21	0.665	11.18	12.53	0.183	9.83	10.91	0.258	6.49	6.54	0.930
Kentucky	7.60	7.55	0.918	11.05	11.72	0.462	10.31	11.05	0.426	7.15	6.97	0.745
Louisiana	6.83	6.49	0.456	11.00	10.15	0.365	8.42	7.79	0.440	6.55	6.27	0.586
Maine	7.88	7.21	0.177	12.51 <sup>b</sup>	14.25	0.086	12.13	12.28	0.899	7.30	6.53	0.158
Maryland	6.02 <sup>b</sup>	6.71	0.095	11.03	12.69	0.111	10.21	11.41	0.244	5.36	5.97	0.176
Massachusetts	7.29	7.48	0.667	12.37	13.72	0.208	11.29	12.55	0.295	6.59	6.60	0.972
Michigan	6.57	6.84	0.411	11.80 <sup>b</sup>	13.27	0.054	10.37	11.34	0.195	5.92	6.08	0.658
Minnesota	7.36	7.02	0.435	12.55	13.39	0.400	9.83	11.12	0.196	6.97	6.37	0.214
Mississippi	5.88	6.04	0.693	11.08	10.78	0.763	8.02	8.28	0.762	5.49	5.65	0.737
Missouri	6.62	6.99	0.456	11.49 <sup>a</sup>	14.28	0.005	9.67	10.35	0.491	6.11	6.43	0.555
Montana	6.92 <sup>b</sup>	7.79	0.057	11.42 <sup>a</sup>	13.56	0.031	9.29 <sup>a</sup>	11.45	0.019	6.53	7.19	0.188

See notes at end of file.

(continued)

**Table 15 Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2014-2015 and 2015-2016 NSDUHs (continued)**

State	18+ (2014-2015)	18+ (2015-2016)	18+ (P Value)	12-17 (2014-2015)	12-17 (2015-2016)	12-17 (P Value)	18-25 (2014-2015)	18-25 (2015-2016)	18-25 (P Value)	26+ (2014-2015)	26+ (2015-2016)	26+ (P Value)
Nebraska	7.21	6.96	0.581	12.25	12.97	0.492	10.84	11.04	0.852	6.56	6.23	0.514
Nevada	6.93	7.35	0.366	13.94	15.66	0.137	9.65	10.73	0.281	6.51	6.84	0.520
New Hampshire	8.71	7.98	0.187	13.43	13.40	0.970	13.21	13.17	0.974	8.00	7.17	0.170
New Jersey	6.47	6.13	0.406	10.32	10.39	0.933	10.18	10.05	0.885	5.91	5.55	0.413
New Mexico	6.59	6.71	0.796	11.50	12.61	0.277	8.59	9.36	0.430	6.25	6.27	0.970
New York	6.52	6.68	0.589	11.92	11.91	0.985	10.12	10.65	0.444	5.91	6.02	0.735
North Carolina	7.47	7.07	0.309	12.35	11.70	0.480	9.62	9.05	0.480	7.12	6.75	0.406
North Dakota	6.37	6.80	0.332	10.47	11.25	0.398	9.47	10.33	0.384	5.68	6.03	0.468
Ohio	7.74	7.85	0.778	11.85 <sup>a</sup>	13.98	0.005	11.18	11.50	0.663	7.19	7.26	0.858
Oklahoma	6.83	7.50	0.135	12.57	13.53	0.366	9.45	10.29	0.386	6.36	7.02	0.198
Oregon	7.51	7.89	0.438	14.33	15.66	0.236	11.61	13.41	0.112	6.88	7.05	0.761
Pennsylvania	6.89	6.83	0.847	11.64	12.33	0.336	10.83	11.02	0.778	6.26	6.17	0.799
Rhode Island	7.08	7.23	0.739	13.03	13.72	0.536	9.81	11.17	0.200	6.57	6.52	0.925
South Carolina	6.48	6.52	0.925	10.96	10.83	0.881	8.67	9.06	0.662	6.12	6.11	0.992
South Dakota	6.11 <sup>b</sup>	6.86	0.070	9.90 <sup>a</sup>	11.79	0.045	9.25 <sup>b</sup>	10.90	0.068	5.56	6.16	0.195
Tennessee	6.97	7.06	0.829	10.92	12.13	0.212	9.58	11.12	0.118	6.54	6.41	0.780
Texas	5.68	5.68	0.987	11.53	11.95	0.521	8.15	9.11	0.106	5.23	5.05	0.577
Utah	7.02 <sup>b</sup>	7.78	0.079	11.97 <sup>b</sup>	13.81	0.093	10.21	10.74	0.612	6.29 <sup>b</sup>	7.12	0.086
Vermont	7.93	7.60	0.509	12.06	12.45	0.703	10.45	12.10	0.144	7.49	6.82	0.223
Virginia	7.93	7.94	0.987	12.47	12.56	0.919	10.58	11.88	0.135	7.49	7.29	0.679
Washington	7.50	7.68	0.726	12.54	13.23	0.540	12.52	12.10	0.712	6.70	6.98	0.624
West Virginia	8.29	8.26	0.963	13.26	13.90	0.553	10.61	11.76	0.289	7.95	7.75	0.751
Wisconsin	6.56	6.74	0.680	13.64	14.45	0.415	10.61	11.97	0.208	5.89	5.88	0.980
Wyoming	7.51	7.54	0.944	13.31	15.00	0.160	10.80 <sup>b</sup>	12.71	0.066	6.95	6.69	0.619

NOTE: State and census region estimates are based on a survey-weighted hierarchical Bayes estimation approach, with their *p* values being the Bayes significance levels for the null hypothesis of no change between the 2014-2015 and 2015-2016 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Major depressive episode (MDE) is defined as in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV), which specifies a period of at least 2 weeks when an individual experienced a depressed mood or loss of interest or pleasure in daily activities and had a majority of specified depression symptoms. For details, see Section B of the "2015-2016 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

NOTE: There are minor wording differences in the questions in the adult and adolescent MDE modules. Therefore, data from youths aged 12 to 17 were not combined with data from adults aged 18 or older to produce an estimate for those aged 12 or older.

<sup>a</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.05 level.

<sup>b</sup> Difference between the 2014-2015 and 2015-2016 population percentages is statistically significant at the 0.10 level.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2014, 2015, and 2016.





# Methodology Used to Estimate the Bayes Significance Level for the Null Hypothesis of No Change between the 2014-2015 and 2015-2016 Population Percentages

Comparisons between the state population percentages displayed in Tables 1 to 15 in this document are based on the 2014 through 2016 National Surveys on Drug Use and Health (NSDUHs). The moving average state estimates for the overlapping 2014-2015 and 2015-2016 time periods were obtained from independent applications of the survey-weighted hierarchical Bayes (SWHB) methodology; that is, the 2015-2016 models were fit independently of the previously fitted 2014-2015 models. This independent analysis approach was followed because there was no desire to revise the previously published 2014-2015 estimates. New predictors were used in the 2015-2016 small area estimation (SAE) models due to a large number of new outcomes being included; therefore, a decision was made to perform a new variable selection.<sup>1</sup> The age group-specific fixed predictor variables were defined at five levels (namely, the person level, census block group level, tract level, county level, and state level). Also, each age group model had 51 state-level random effects and 250 "within-state" area-level random effects.<sup>1</sup>

To estimate change in state population percentages, let  $\pi_{sa(1)}$  and  $\pi_{sa(2)}$  denote the 2014-2015 and 2015-2016 prevalence rates, respectively, for state- $s$  and age group- $a$ . The change between  $\pi_{sa(1)}$  and  $\pi_{sa(2)}$  is defined in terms of the log-odds ratio ( $lor_{sa}$ ) as opposed to the simple difference because the posterior distribution of the  $lor_{sa}$  is closer to Gaussian than the posterior distribution of the simple difference ( $\pi_{sa(2)} - \pi_{sa(1)}$ ). The  $lor_{sa}$  is defined as

$$lor_{sa} = \ln \left[ \frac{\pi_{sa(2)} / (1 - \pi_{sa(2)})}{\pi_{sa(1)} / (1 - \pi_{sa(1)})} \right],$$

where  $\ln$  denotes the natural logarithm. The  $p$  value given is computed to test the null hypothesis of no change (i.e.,  $\pi_{sa(2)} = \pi_{sa(1)}$  or equivalently  $lor_{sa} = 0$ ). An estimate of  $lor_{sa}$  is given by

$$\hat{lor}_{sa} = \ln \left[ \frac{p_{sa(2)} / (1 - p_{sa(2)})}{p_{sa(1)} / (1 - p_{sa(1)})} \right],$$

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<sup>1</sup> For details, see Section B in the "2015-2016 National Survey on Drug Use and Health: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

where the  $p_{sa(1)}$  represents the previously published 2014-2015 state estimates and the  $p_{sa(2)}$  represents the 2015-2016 state estimates. To compute the variance of  $\hat{l}or_{sa}$ , that is,  $v(\hat{l}or_{sa})$ , let

$$\hat{\theta}_1 = \frac{p_{sa(1)}}{1 - p_{sa(1)}} \text{ and } \hat{\theta}_2 = \frac{p_{sa(2)}}{1 - p_{sa(2)}}, \text{ then}$$

$$v(\hat{l}or_{sa}) = v[\ln(\hat{\theta}_1)] + v[\ln(\hat{\theta}_2)] - 2 \text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)],$$

where  $\text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)]$  denotes the covariance between  $\ln(\hat{\theta}_1)$  and  $\ln(\hat{\theta}_2)$ . This covariance is defined in terms of the associated correlation as follows:

$$\text{cov}[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)] = \text{correlation} [\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)] \times \sqrt{v[\ln(\hat{\theta}_1)] \times v[\ln(\hat{\theta}_2)]}.$$

Note that  $v[\ln(\hat{\theta}_1)]$  and  $v[\ln(\hat{\theta}_2)]$  used here to calculate  $v(\hat{l}or_{sa})$  are the same variances used in calculating the previously published 2014-2015 Bayesian confidence intervals and the 2015-2016 Bayesian confidence intervals, respectively.

The correlation between  $\ln(\hat{\theta}_1)$  and  $\ln(\hat{\theta}_2)$  was obtained by simultaneously modeling the 2014, 2015, and 2016 NSDUH data. Note that these models used the same predictors employed in the 2015-2016 SAE model for all 3 years. This simultaneous modeling approach was adopted based on the results of the validation study<sup>2</sup> conducted for measuring change in the 1999-2000 and 2000-2001 state population percentages. For this simultaneous model, four age groups (12 to 17, 18 to 25, 26 to 34, and 35 or older) by 3 years (2014, 2015, and 2016), that is, 12 subpopulation-specific models, were fitted, each with its own set of fixed and random effects. In this case, the general covariance matrices for the state and within-state random effects were  $12 \times 12$  matrices corresponding to the 12 element (age group  $\times$  year) vectors of random effects. Note that the survey-weighted, Bernoulli-type log likelihood employed in the SWHB methodology was appropriate for this simultaneous model because the 12 age group  $\times$  year subpopulations were nonoverlapping. The correlation  $[\ln(\hat{\theta}_1), \ln(\hat{\theta}_2)]$  was approximated by the correlation calculated using the posterior distributions of  $\ln[\pi_{sa(1)} / (1 - \pi_{sa(1)})]$  and  $\ln[\pi_{sa(2)} / (1 - \pi_{sa(2)})]$  from the simultaneous model. Note that, for past year heroin use, the above-mentioned model did not converge. A different model that is based on simultaneous modeling of 2014-2015 and 2015-2016 data where 2015 data are repeated twice is used to obtain the correlations between 2014-2015 and 2015-2016 past year heroin use estimates. This overlapping year model simultaneously fits eight subpopulation-specific models (i.e., four age groups  $\times$  two overlapping time points, 2014-2015 and 2015-2016). Based on previous validation studies, this model is shown to underestimate the correlations,<sup>3</sup> resulting in more conservative

<sup>2</sup> See Appendix E, Section E.2, of the following report: Wright, D. (2003). *State estimates of substance use from the 2001 National Household Survey on Drug Abuse: Volume II. Individual state tables and technical appendices* (HHS Publication No. SMA 03-3826, NHSDA Series H-20). Rockville, MD: Substance Abuse and Mental Health Services Administration, Office of Applied Studies.

<sup>3</sup> See Appendix E, Section E.1, of the report referenced in footnote 2.

tests, meaning that there may be fewer significant differences that were able to be detected for past year heroin use.

To calculate the  $p$  value for testing the null hypothesis of no difference ( $lor=0$ ), it is assumed that the posterior distribution of  $lor$  is normal with  $mean = \hat{lor}_{sa}$  and  $variance = v(\hat{lor}_{sa})$ . With the null value ( $lor_0 = 0$ ), the Bayes  $p$  value or significance level for the null hypothesis of no difference is  $p \text{ value} = 2 * P[Z \geq abs(z)]$ , where  $Z$  is a standard normal random variate,

$$z = \frac{\hat{lor}_{sa}}{\sqrt{v(\hat{lor}_{sa})}}, \text{ and } abs(z) \text{ denotes the absolute value of } z. \text{ This Bayesian significance level (or}$$

$p$  value) for the null value of  $lor$ , say  $lor_0$ , is defined following Rubin<sup>4</sup> as the posterior probability for the collection of the  $lor$  values that are less likely or have smaller posterior density  $d(lor)$  than the null (no change) value  $lor_0$ . That is,

$p \text{ value}(lor_0) = probability[d(lor) \leq d(lor_0)]$ . With the posterior distribution of  $lor$  approximately normal,  $p \text{ value}(lor_0)$  is given by the above expression.

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<sup>4</sup> See the following reference: Rubin, D. B. (1987). *Multiple imputation for nonresponse in surveys* (Wiley Series in Probability and Mathematical Statistics: Applied Probability and Statistics). New York, NY: John Wiley & Sons.

