

National Survey on Drug Use and Health: Comparison of 2017-2018 and 2018-2019 Population Percentages (50 States and the District of Columbia)

NOTE: The methodology used to conduct significance testing for state population percentages between the 2017-2018 and 2018-2019 NSDUHs and to calculate p values is provided after [Table 33](#).

Table 1 Illicit Drug Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	11.43 ^a	12.34	0.000	7.96 ^a	8.37	0.033	24.04	24.40	0.275	9.82 ^a	10.90	0.000	11.78 ^a	12.73	0.000
Northeast	11.88 ^a	12.86	0.000	8.31	8.56	0.502	26.53	26.58	0.944	9.96 ^a	11.21	0.000	12.20 ^a	13.25	0.000
Midwest	11.01 ^a	11.87	0.000	7.90	8.15	0.374	23.80	24.37	0.356	9.29 ^a	10.30	0.000	11.32 ^a	12.25	0.000
South	9.60 ^a	10.34	0.000	7.24	7.38	0.598	20.94	20.84	0.866	8.08 ^a	9.05	0.000	9.84 ^a	10.64	0.000
West	14.39 ^a	15.54	0.000	8.93 ^a	10.03	0.007	27.29	28.44	0.141	12.95 ^a	14.14	0.000	14.95 ^a	16.10	0.000
Alabama	10.74	10.59	0.800	7.77	7.02	0.325	21.12	20.58	0.711	9.43	9.44	0.994	11.04	10.94	0.886
Alaska	18.05	18.78	0.389	9.19	9.81	0.504	27.48 ^b	30.90	0.064	17.66	18.02	0.734	19.02	19.76	0.431
Arizona	12.46	12.67	0.782	7.42	7.71	0.722	22.20	22.20	0.999	11.47	11.71	0.791	12.98	13.17	0.815
Arkansas	10.69 ^a	9.45	0.035	6.75	6.52	0.749	18.76	17.14	0.234	9.87 ^b	8.58	0.074	11.11 ^a	9.76	0.036
California	13.44 ^a	15.20	0.000	8.53 ^a	10.41	0.002	26.81 ^b	28.83	0.066	11.82 ^a	13.57	0.000	13.94 ^a	15.68	0.000
Colorado	19.64	19.24	0.639	10.92	11.55	0.574	36.37	35.68	0.713	18.00	17.56	0.676	20.51	20.00	0.583
Connecticut	14.34	14.17	0.827	10.45 ^b	8.81	0.087	32.64 ^a	28.94	0.042	11.83	12.42	0.509	14.71	14.69	0.974
Delaware	13.13 ^b	14.32	0.084	9.90	9.94	0.970	28.48	29.73	0.455	11.25 ^b	12.62	0.100	13.43 ^b	14.73	0.083
District of Columbia	19.91	19.06	0.345	10.51	10.56	0.964	35.08	33.35	0.382	17.75	17.06	0.535	20.44	19.54	0.342
Florida	10.71 ^b	11.45	0.076	8.35	7.90	0.429	24.51	23.20	0.219	9.08 ^a	10.24	0.022	10.91 ^b	11.75	0.063
Georgia	9.51 ^b	10.29	0.089	6.89	6.80	0.885	21.74	20.97	0.523	7.82 ^a	9.00	0.040	9.80 ^b	10.68	0.082
Hawaii	10.26 ^a	11.81	0.021	6.50	7.09	0.437	18.62	20.89	0.137	9.52 ^a	11.11	0.048	10.60 ^a	12.24	0.024
Idaho	9.44	10.15	0.160	7.45	7.50	0.943	17.49 ^b	20.04	0.072	8.38	8.90	0.400	9.68	10.47	0.157
Illinois	11.01 ^a	12.04	0.017	8.27	8.28	0.989	24.51	23.57	0.444	9.19 ^a	10.68	0.005	11.29 ^a	12.42	0.017
Indiana	11.85	12.53	0.250	7.79	8.60	0.309	24.66	26.93	0.170	10.15	10.57	0.566	12.28	12.95	0.308
Iowa	9.39	9.17	0.654	7.30	7.83	0.469	20.04	18.95	0.476	7.77	7.64	0.829	9.60	9.31	0.580
Kansas	8.81 ^a	10.05	0.022	6.49	6.84	0.605	17.44	18.83	0.344	7.59 ^a	8.93	0.040	9.07 ^a	10.40	0.024
Kentucky	10.22 ^a	11.43	0.050	7.18	6.99	0.803	18.75	19.66	0.520	9.21 ^b	10.64	0.061	10.53 ^a	11.87	0.046
Louisiana	9.64	9.41	0.629	6.59	6.33	0.712	21.53	21.03	0.732	8.10	7.96	0.812	9.96	9.73	0.664
Maine	17.53	18.88	0.130	11.32	12.28	0.395	36.55	36.54	0.997	15.64	17.25	0.125	18.05	19.42	0.152
Maryland	11.55 ^b	12.73	0.053	8.82	8.26	0.503	26.51	28.03	0.390	9.62 ^b	10.98	0.059	11.82 ^a	13.17	0.042
Massachusetts	15.84	16.94	0.142	11.30	11.03	0.807	34.16	33.58	0.756	13.19 ^b	14.74	0.089	16.25	17.46	0.136
Michigan	14.38 ^a	15.45	0.035	9.44	8.87	0.426	30.15	31.86	0.173	12.35 ^b	13.54	0.058	14.87 ^a	16.09	0.028
Minnesota	10.65	11.34	0.179	7.70	8.18	0.555	23.41	24.24	0.603	9.01	9.73	0.225	10.96	11.67	0.205
Mississippi	8.71	9.17	0.329	6.45	6.66	0.775	18.13	19.17	0.478	7.40	7.83	0.446	8.96	9.45	0.348
Missouri	10.22	10.61	0.471	7.62	7.52	0.892	21.61	22.72	0.443	8.72	9.08	0.580	10.49	10.92	0.454
Montana	15.80	16.32	0.479	10.99	11.58	0.583	29.03	31.39	0.198	14.25	14.51	0.763	16.25	16.77	0.520

See notes at end of table.

(continued)

Table 1 Illicit Drug Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	9.50	9.41	0.857	7.29	8.04	0.329	23.21	22.80	0.795	7.37	7.27	0.852	9.74	9.56	0.738
Nevada	16.34	17.59	0.155	10.15	10.55	0.712	34.01	33.06	0.613	14.55	16.24	0.115	16.96	18.29	0.165
New Hampshire	15.47	15.68	0.787	10.71	10.10	0.508	31.76	32.53	0.680	13.48	13.73	0.784	15.89	16.16	0.746
New Jersey	9.20 ^a	10.17	0.039	7.07	7.75	0.323	22.66	24.30	0.314	7.47 ^b	8.40	0.092	9.41 ^b	10.41	0.051
New Mexico	14.09	13.89	0.779	10.50	11.56	0.365	25.73	25.27	0.788	12.65	12.36	0.755	14.47	14.13	0.671
New York	11.36 ^a	12.45	0.012	7.85	8.31	0.441	25.90	26.22	0.773	9.43 ^a	10.74	0.013	11.68 ^a	12.81	0.014
North Carolina	9.25 ^a	10.63	0.003	8.02	8.18	0.818	21.15	21.63	0.717	7.53 ^a	9.20	0.003	9.37 ^a	10.87	0.003
North Dakota	8.73	9.09	0.457	6.09	6.25	0.830	18.38	18.08	0.832	7.11	7.69	0.321	8.98	9.36	0.461
Ohio	10.03 ^a	11.67	0.000	7.53	8.01	0.407	22.30	23.31	0.376	8.39 ^a	10.28	0.000	10.28 ^a	12.03	0.000
Oklahoma	9.47 ^a	12.11	0.000	7.24	7.67	0.598	20.74	20.90	0.920	7.85 ^a	11.21	0.000	9.71 ^a	12.60	0.000
Oregon	19.97	19.84	0.879	10.79	11.48	0.540	35.56	33.73	0.318	18.63	18.69	0.963	20.80	20.58	0.822
Pennsylvania	9.85 ^a	11.00	0.008	6.72	7.24	0.360	21.07	20.80	0.803	8.48 ^a	9.93	0.005	10.14 ^a	11.34	0.010
Rhode Island	16.71	17.35	0.427	10.54	10.06	0.632	31.46	32.70	0.506	14.75	15.46	0.481	17.24	17.98	0.401
South Carolina	9.84	10.49	0.264	7.80	8.25	0.580	21.15	20.19	0.530	8.35	9.29	0.161	10.04	10.70	0.289
South Dakota	8.45 ^a	7.52	0.039	6.91	6.83	0.925	19.56 ^a	15.90	0.016	6.79	6.23	0.282	8.62 ^a	7.60	0.037
Tennessee	9.99	10.15	0.763	7.54	6.87	0.365	21.73	19.61	0.174	8.45	9.07	0.316	10.24	10.47	0.677
Texas	7.85 ^a	8.75	0.003	6.10 ^b	7.12	0.058	16.91	17.65	0.444	6.50 ^a	7.43	0.013	8.06 ^a	8.94	0.008
Utah	7.58	8.14	0.210	6.02	6.03	0.992	16.42	16.58	0.903	5.90	6.66	0.174	7.80	8.44	0.198
Vermont	20.30	21.13	0.390	13.92	14.14	0.853	38.41	39.70	0.536	17.79	18.62	0.476	20.82	21.70	0.403
Virginia	8.64	9.24	0.140	7.05	6.99	0.926	21.97	22.50	0.697	6.72	7.43	0.132	8.80	9.46	0.133
Washington	17.89 ^b	19.46	0.065	11.31	11.19	0.909	31.44	32.99	0.395	16.59 ^b	18.37	0.091	18.51 ^b	20.24	0.063
West Virginia	10.58	10.66	0.888	7.42	8.63	0.114	20.20	21.96	0.248	9.52	9.27	0.704	10.86	10.84	0.968
Wisconsin	10.39	10.90	0.335	7.48	8.33	0.273	22.74	22.48	0.864	8.72	9.36	0.321	10.67	11.16	0.412
Wyoming	8.96	8.68	0.558	8.05	8.03	0.983	18.38	18.99	0.689	7.62	7.19	0.444	9.06	8.75	0.552

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 2 Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	15.47 ^a	16.71	0.000	12.45	12.84	0.118	34.80	35.09	0.443	12.73 ^a	14.27	0.000	15.77 ^a	17.10	0.000
Northeast	15.97 ^a	17.70	0.000	13.00	13.30	0.478	38.99	39.12	0.862	12.69 ^a	14.88	0.000	16.24 ^a	18.10	0.000
Midwest	14.99 ^a	16.28	0.000	12.58	12.47	0.756	34.75	35.45	0.199	12.05 ^a	13.65	0.000	15.24 ^a	16.67	0.000
South	12.92 ^a	13.98	0.000	11.20	11.19	0.982	30.14	30.17	0.953	10.40 ^a	11.79	0.000	13.10 ^a	14.27	0.000
West	19.57 ^a	20.70	0.001	13.96 ^a	15.50	0.001	39.08	39.60	0.474	17.07 ^a	18.31	0.002	20.14 ^a	21.23	0.003
Alabama	12.59 ^a	14.74	0.002	10.24	9.72	0.565	27.09 ^b	30.01	0.075	10.55 ^a	12.93	0.005	12.82 ^a	15.24	0.001
Alaska	23.72	24.97	0.177	16.42	17.75	0.303	39.30	41.30	0.306	22.14	23.33	0.301	24.52	25.75	0.230
Arizona	16.71	16.01	0.398	11.97	12.70	0.531	32.34	30.17	0.239	14.72	14.11	0.541	17.20	16.35	0.345
Arkansas	13.40	13.53	0.827	11.38	11.20	0.853	26.85	26.25	0.726	11.46	11.78	0.676	13.61	13.78	0.806
California	18.43 ^a	20.06	0.000	13.82 ^a	15.82	0.006	39.23	40.40	0.268	15.54 ^a	17.27	0.002	18.89 ^a	20.48	0.002
Colorado	26.78	26.32	0.655	16.93	17.60	0.632	49.23	48.54	0.710	24.37	23.86	0.685	27.77	27.19	0.604
Connecticut	18.45	19.05	0.449	16.09	14.08	0.106	46.38	43.91	0.190	14.22	15.64	0.144	18.68	19.53	0.330
Delaware	17.11	18.18	0.156	14.03	14.43	0.722	41.09	41.57	0.817	13.97	15.29	0.133	17.40	18.53	0.168
District of Columbia	26.47	27.42	0.400	16.41	18.01	0.249	51.93	49.84	0.396	22.44	24.01	0.247	27.03	27.95	0.442
Florida	14.34	14.80	0.316	13.01	12.11	0.208	34.58 ^b	32.76	0.099	11.75 ^b	12.69	0.089	14.45	15.03	0.249
Georgia	13.50 ^a	15.00	0.004	11.61	11.22	0.636	30.91	30.67	0.869	10.86 ^a	12.92	0.002	13.71 ^a	15.42	0.003
Hawaii	14.29 ^b	15.77	0.056	11.20	11.92	0.497	28.28	29.57	0.448	12.73 ^b	14.38	0.078	14.56 ^b	16.12	0.065
Idaho	13.78	14.03	0.679	12.29	12.04	0.797	28.29	28.99	0.657	11.58	11.85	0.727	13.96	14.27	0.647
Illinois	15.27 ^a	16.38	0.031	13.94	13.55	0.673	34.93	34.01	0.477	12.31 ^a	13.96	0.008	15.41 ^a	16.67	0.024
Indiana	15.61	16.61	0.132	13.01	12.42	0.601	35.80	35.14	0.718	12.46 ^b	13.97	0.060	15.89	17.06	0.110
Iowa	12.41	12.43	0.975	10.42	11.61	0.268	31.69 ^a	28.10	0.031	9.25	9.80	0.423	12.61	12.51	0.869
Kansas	13.71	14.64	0.163	11.68	11.61	0.938	29.44	29.96	0.764	11.19	12.35	0.163	13.93	14.98	0.159
Kentucky	12.87 ^a	14.87	0.002	11.62	11.33	0.778	27.04 ^b	29.67	0.098	10.75 ^a	12.94	0.006	13.00 ^a	15.22	0.002
Louisiana	12.22	12.15	0.905	9.16	8.56	0.478	28.68	27.57	0.503	9.95	10.17	0.762	12.54	12.53	0.979
Maine	23.85	24.77	0.377	15.70	17.53	0.198	49.15	48.63	0.795	21.34	22.42	0.385	24.53	25.37	0.454
Maryland	14.59 ^a	16.07	0.030	12.33	12.27	0.953	37.68	40.05	0.181	11.39 ^b	12.97	0.060	14.81 ^a	16.45	0.030
Massachusetts	20.56 ^b	22.16	0.079	17.07	16.03	0.436	46.36	46.57	0.910	16.52 ^b	18.67	0.053	20.87 ^b	22.69	0.066
Michigan	18.45 ^a	20.80	0.000	13.78	13.38	0.619	40.92 ^a	44.14	0.013	15.28 ^a	17.86	0.000	18.91 ^a	21.52	0.000
Minnesota	15.58	16.60	0.133	12.46	12.59	0.907	36.96	38.75	0.309	12.61	13.67	0.192	15.90	17.02	0.135
Mississippi	11.58	12.09	0.365	10.77	9.90	0.359	24.71	24.62	0.960	9.45	10.28	0.224	11.67	12.33	0.286
Missouri	14.57	14.91	0.596	12.10	11.35	0.457	31.90	32.52	0.715	12.10	12.58	0.537	14.82	15.27	0.527
Montana	19.61	20.06	0.585	14.69	15.98	0.302	40.15	40.46	0.863	16.92	17.36	0.660	20.07	20.44	0.680

See notes at end of table.

(continued)

Table 2 Marijuana Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	12.68 ^a	14.35	0.004	12.46	13.87	0.185	31.94	34.47	0.137	9.31 ^a	10.92	0.023	12.70 ^a	14.41	0.007
Nevada	21.85 ^a	23.94	0.035	14.27 ^a	16.76	0.050	42.55	43.50	0.608	19.79 ^b	22.04	0.069	22.61 ^b	24.65	0.062
New Hampshire	20.49	21.43	0.268	16.07	16.17	0.935	45.17	45.92	0.714	17.19	18.31	0.265	20.89	21.88	0.277
New Jersey	12.30 ^a	13.73	0.004	11.07	11.48	0.644	33.96	35.36	0.368	9.27 ^a	10.87	0.007	12.42 ^a	13.95	0.005
New Mexico	18.72 ^b	20.48	0.058	16.18 ^b	18.66	0.079	33.37	35.38	0.274	16.66	18.34	0.139	18.99 ^b	20.67	0.097
New York	15.28 ^a	17.33	0.000	12.49	13.09	0.421	37.99	38.49	0.669	11.98 ^a	14.50	0.000	15.53 ^a	17.70	0.000
North Carolina	12.81 ^a	15.08	0.000	11.40	12.78	0.139	30.50	30.87	0.797	10.21 ^a	12.89	0.000	12.96 ^a	15.31	0.000
North Dakota	11.96	12.64	0.201	9.80	9.44	0.709	27.49	28.72	0.485	9.11	9.90	0.202	12.17	12.95	0.178
Ohio	13.76 ^a	15.84	0.000	11.72	11.88	0.829	34.75	35.81	0.360	10.69 ^a	13.20	0.000	13.96 ^a	16.24	0.000
Oklahoma	12.93 ^a	15.37	0.000	10.85	11.17	0.759	30.16	31.95	0.265	10.28 ^a	13.14	0.001	13.15 ^a	15.83	0.000
Oregon	27.53	26.99	0.588	16.09 ^b	18.56	0.090	49.57	47.28	0.247	25.48	24.93	0.648	28.56	27.74	0.451
Pennsylvania	14.18 ^a	16.10	0.000	11.03	12.01	0.207	34.65	33.69	0.455	11.41 ^a	13.91	0.000	14.47 ^a	16.48	0.000
Rhode Island	20.74 ^a	23.31	0.004	15.36	16.21	0.504	42.90	45.03	0.254	17.39 ^a	20.30	0.009	21.21 ^a	23.92	0.006
South Carolina	13.69	14.46	0.260	12.32	11.27	0.277	29.50	27.52	0.264	11.44 ^b	12.88	0.079	13.82	14.77	0.204
South Dakota	12.12 ^b	11.13	0.092	10.83	10.24	0.573	28.62	26.69	0.246	9.52	8.67	0.224	12.26	11.22	0.110
Tennessee	13.09	13.68	0.329	11.61	10.65	0.328	29.95	29.45	0.759	10.64	11.62	0.180	13.24	13.98	0.259
Texas	11.07 ^a	12.19	0.002	9.90	10.92	0.143	26.36	26.22	0.890	8.54 ^a	9.93	0.003	11.21 ^a	12.35	0.005
Utah	10.87 ^a	12.36	0.005	8.81	10.23	0.169	24.23	25.71	0.324	8.26 ^a	9.77	0.022	11.16 ^a	12.66	0.012
Vermont	25.33	27.04	0.103	20.69	21.13	0.763	51.44	52.18	0.719	21.27	23.31	0.110	25.71	27.52	0.110
Virginia	11.93	12.23	0.569	10.69	9.65	0.186	31.48	32.96	0.328	8.99	9.29	0.626	12.05	12.48	0.453
Washington	23.48 ^a	25.58	0.032	16.11	16.38	0.840	44.50	45.50	0.615	21.16 ^a	23.67	0.033	24.18 ^a	26.45	0.033
West Virginia	14.39	14.11	0.681	11.42	12.20	0.457	30.39	33.09	0.124	12.40	11.63	0.348	14.65	14.28	0.612
Wisconsin	13.58 ^b	14.62	0.074	11.66	12.01	0.749	30.66	32.63	0.245	11.04	12.06	0.137	13.77 ^b	14.88	0.081
Wyoming	13.08	12.77	0.620	12.53	12.44	0.934	30.40	30.85	0.806	10.49	10.07	0.569	13.14	12.81	0.627

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 3 Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	9.83 ^a	10.80	0.000	6.56 ^a	7.02	0.012	22.12	22.54	0.187	8.25 ^a	9.39	0.000	10.16 ^a	11.17	0.000
Northeast	10.25 ^a	11.42	0.000	6.82 ^b	7.37	0.065	24.74	24.88	0.834	8.35 ^a	9.78	0.000	10.56 ^a	11.79	0.000
Midwest	9.39 ^a	10.28	0.000	6.47	6.64	0.507	21.85	22.47	0.293	7.70 ^a	8.74	0.000	9.69 ^a	10.65	0.000
South	7.96 ^a	8.87	0.000	5.89	6.13	0.313	18.89	18.97	0.874	6.47 ^a	7.62	0.000	8.17 ^a	9.15	0.000
West	12.89 ^a	13.87	0.000	7.55 ^a	8.54	0.003	25.51	26.53	0.142	11.48 ^a	12.49	0.003	13.44 ^a	14.41	0.001
Alabama	8.31	8.67	0.467	6.18	5.80	0.520	18.67	18.34	0.798	6.91	7.49	0.341	8.53	8.96	0.424
Alaska	16.56	17.25	0.392	7.88	8.54	0.395	26.27 ^a	30.71	0.015	16.10	16.25	0.882	17.51	18.20	0.444
Arizona	10.93	11.00	0.903	6.28	6.04	0.717	21.07	20.80	0.857	9.83	10.01	0.818	11.41	11.51	0.882
Arkansas	8.60	8.46	0.807	5.62	5.82	0.753	16.20	15.80	0.747	7.73	7.60	0.860	8.91	8.73	0.782
California	11.97 ^a	13.47	0.000	7.05 ^a	8.85	0.000	25.06	26.48	0.150	10.39 ^a	11.91	0.002	12.46 ^a	13.93	0.001
Colorado	17.33	17.39	0.941	9.39	9.75	0.692	33.21	34.39	0.521	15.73	15.62	0.913	18.12	18.15	0.978
Connecticut	12.06	12.34	0.691	8.35	7.46	0.239	30.08 ^b	27.22	0.088	9.58	10.52	0.264	12.42	12.81	0.613
Delaware	11.16	12.26	0.106	8.19	8.26	0.924	26.72	27.58	0.615	9.22	10.53	0.102	11.44	12.63	0.106
District of Columbia	16.63	16.39	0.793	8.47	8.99	0.521	32.49	30.73	0.379	14.25	14.30	0.967	17.09	16.80	0.771
Florida	9.28 ^a	10.11	0.035	7.06	6.47	0.241	22.88	21.45	0.157	7.67 ^a	8.96	0.007	9.47 ^a	10.42	0.027
Georgia	8.23 ^a	9.20	0.026	6.05	6.04	0.991	20.18	19.56	0.595	6.53 ^a	7.91	0.011	8.47 ^a	9.55	0.026
Hawaii	8.80 ^a	10.12	0.043	5.31	6.29	0.190	16.70	18.77	0.131	8.09 ^b	9.38	0.099	9.11 ^b	10.47	0.055
Idaho	8.21	8.57	0.458	6.28	5.90	0.530	16.49	18.21	0.188	7.11	7.36	0.677	8.45	8.89	0.407
Illinois	9.64 ^b	10.38	0.072	6.86	7.01	0.781	22.59	21.74	0.463	7.92 ^a	9.00	0.028	9.93 ^b	10.72	0.080
Indiana	10.20 ^a	11.56	0.022	6.77	7.52	0.308	22.85 ^b	25.63	0.061	8.46 ^b	9.66	0.091	10.57 ^a	11.98	0.029
Iowa	7.04	6.70	0.437	5.36	5.71	0.559	17.54	16.16	0.294	5.39	5.18	0.677	7.21	6.80	0.390
Kansas	6.34 ^a	7.48	0.021	4.53	5.00	0.349	14.54	15.39	0.513	5.13 ^a	6.42	0.034	6.54 ^a	7.75	0.026
Kentucky	8.19 ^a	9.75	0.005	5.93	6.18	0.694	17.42	18.96	0.255	6.98 ^a	8.71	0.010	8.42 ^a	10.11	0.005
Louisiana	7.69	7.74	0.919	5.12	4.99	0.809	18.83	18.47	0.788	6.22	6.39	0.765	7.96	8.03	0.899
Maine	16.57	17.58	0.248	10.31	10.93	0.526	35.17	35.12	0.980	14.75	15.97	0.250	17.09	18.13	0.275
Maryland	9.90 ^b	10.99	0.084	6.96	7.07	0.872	24.71	26.37	0.296	8.01	9.16	0.128	10.19 ^b	11.37	0.086
Massachusetts	13.60 ^b	14.91	0.086	9.33	9.72	0.663	31.39	31.01	0.834	11.02 ^b	12.73	0.067	13.98 ^b	15.36	0.093
Michigan	12.61 ^a	13.80	0.021	7.87	7.42	0.453	27.50	29.30	0.131	10.70 ^a	12.02	0.040	13.08 ^a	14.42	0.017
Minnesota	9.48	9.96	0.357	6.25	6.53	0.655	22.09	22.47	0.798	7.89	8.44	0.379	9.81	10.31	0.380
Mississippi	6.98 ^b	7.88	0.076	4.96	5.68	0.201	15.26	16.99	0.164	5.83	6.65	0.178	7.21 ^b	8.12	0.099
Missouri	8.57	8.99	0.409	6.21	5.88	0.597	19.96	20.73	0.584	7.03	7.52	0.428	8.81	9.30	0.375
Montana	14.46	14.92	0.544	9.65	9.77	0.886	27.30	29.85	0.127	12.96	13.18	0.819	14.91	15.40	0.551

See notes at end of table.

(continued)

Table 3 Marijuana Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	8.21	8.43	0.624	6.16	6.75	0.357	20.54	21.24	0.605	6.30	6.43	0.825	8.43	8.62	0.712
Nevada	15.05	16.10	0.215	9.17	9.67	0.584	32.09	31.49	0.736	13.31	14.69	0.188	15.64	16.74	0.234
New Hampshire	14.24	14.05	0.793	8.84	8.18	0.400	29.95	30.16	0.908	12.41	12.25	0.853	14.72	14.56	0.838
New Jersey	7.89 ^a	8.99	0.015	5.61 ^a	6.69	0.050	21.08	22.50	0.324	6.21 ^a	7.30	0.042	8.11 ^a	9.22	0.025
New Mexico	12.98	12.43	0.448	9.58	9.83	0.790	23.96	23.48	0.775	11.62	10.99	0.475	13.34	12.70	0.423
New York	9.77 ^a	11.02	0.002	6.62	7.20	0.260	24.22	24.45	0.831	7.81 ^a	9.35	0.002	10.05 ^a	11.36	0.002
North Carolina	7.79 ^a	9.16	0.003	6.66	6.87	0.726	19.24	19.41	0.892	6.13 ^a	7.83	0.002	7.91 ^a	9.39	0.003
North Dakota	7.62	7.67	0.906	4.93	4.76	0.769	17.12	17.10	0.986	6.03	6.19	0.772	7.87	7.95	0.873
Ohio	8.34 ^a	10.22	0.000	6.16	6.45	0.588	20.67	22.02	0.231	6.66 ^a	8.82	0.000	8.56 ^a	10.60	0.000
Oklahoma	7.51 ^a	10.07	0.000	5.31	5.84	0.382	17.57	19.22	0.268	6.09 ^a	9.09	0.000	7.75 ^a	10.54	0.000
Oregon	18.83	18.69	0.876	9.71	10.74	0.313	33.11	32.64	0.786	17.68	17.49	0.863	19.65	19.40	0.794
Pennsylvania	8.38 ^a	9.83	0.001	5.31 ^b	6.11	0.086	19.71	19.80	0.931	6.98 ^a	8.73	0.001	8.66 ^a	10.17	0.001
Rhode Island	14.65	15.37	0.362	8.61	8.30	0.700	29.26	31.00	0.307	12.70	13.40	0.459	15.17	15.98	0.344
South Carolina	8.32	9.17	0.121	6.34	6.56	0.717	19.18	18.34	0.525	6.89 ^b	8.09	0.073	8.51	9.42	0.129
South Dakota	7.12 ^b	6.35	0.084	5.26	5.10	0.779	17.70 ^a	14.74	0.019	5.58	5.13	0.394	7.31 ^b	6.49	0.088
Tennessee	8.55	8.75	0.692	6.11	5.70	0.508	19.88	18.22	0.237	7.07	7.65	0.339	8.79	9.05	0.639
Texas	6.06 ^a	7.19	0.000	4.82 ^a	5.94	0.010	14.67	15.51	0.308	4.72 ^a	5.92	0.001	6.21 ^a	7.34	0.001
Utah	6.06	6.42	0.366	4.46	4.58	0.803	13.81	14.50	0.561	4.62	4.96	0.491	6.28	6.68	0.379
Vermont	19.30	19.74	0.626	12.67	12.84	0.875	37.67	38.99	0.514	16.76	17.11	0.757	19.84	20.30	0.641
Virginia	7.27	7.89	0.133	5.64	5.41	0.664	19.50	20.26	0.545	5.53	6.25	0.140	7.43	8.13	0.120
Washington	16.39	17.75	0.119	9.94	9.92	0.984	30.44	31.80	0.442	15.01	16.54	0.148	17.01	18.49	0.117
West Virginia	9.42	9.48	0.910	6.25	7.05	0.212	18.91	20.88	0.189	8.37	8.12	0.704	9.70	9.69	0.998
Wisconsin	8.89	9.05	0.773	6.09	6.58	0.414	21.24	20.67	0.675	7.22	7.48	0.684	9.17	9.29	0.838
Wyoming	7.73	7.38	0.447	6.34	5.88	0.445	17.57	17.73	0.909	6.38	5.98	0.466	7.88	7.53	0.503

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 4 Perceptions of Great Risk from Smoking Marijuana Once a Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017-2018)	12+ (2018-2019)	12+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)
Total U.S.	25.54 ^a	24.39	0.000	23.61 ^a	22.67	0.003	12.14	11.87	0.278	27.92 ^a	26.56	0.000	25.73 ^a	24.56	0.000
Northeast	24.58 ^b	23.78	0.053	23.23	22.71	0.344	11.42	11.59	0.686	26.80 ^a	25.78	0.046	24.71 ^b	23.88	0.067
Midwest	22.45 ^a	20.86	0.000	22.42 ^a	21.28	0.013	10.17	9.79	0.240	24.47 ^a	22.61	0.000	22.45 ^a	20.82	0.000
South	28.92 ^a	27.60	0.000	26.05 ^a	24.91	0.015	14.16	13.68	0.182	31.61 ^a	30.10	0.000	29.21 ^a	27.87	0.000
West	23.58 ^a	22.79	0.046	20.99	20.27	0.193	11.26	11.08	0.665	25.89 ^b	24.96	0.054	23.84 ^b	23.05	0.064
Alabama	27.27	28.22	0.366	27.31	27.72	0.807	13.33	14.04	0.544	29.50	30.51	0.447	27.26	28.27	0.385
Alaska	16.93	15.73	0.164	18.39	16.84	0.231	9.49	8.06	0.128	17.96	16.80	0.281	16.76	15.61	0.221
Arizona	25.12 ^a	22.44	0.010	21.99	20.09	0.219	14.30	12.48	0.122	27.28 ^a	24.35	0.024	25.44 ^a	22.68	0.014
Arkansas	27.75 ^b	26.15	0.099	25.07	24.07	0.467	13.78	12.72	0.334	30.36	28.58	0.145	28.03	26.37	0.120
California	26.22	25.79	0.473	22.11	21.09	0.250	11.97	12.20	0.731	29.07	28.54	0.479	26.63	26.26	0.567
Colorado	16.77	17.72	0.267	15.92 ^a	19.11	0.021	6.71	7.62	0.242	18.48	19.14	0.529	16.85	17.58	0.434
Connecticut	20.30	19.21	0.325	20.60	19.01	0.255	9.25	9.33	0.923	22.06	20.82	0.371	20.27	19.23	0.389
Delaware	21.60	21.76	0.883	22.00	21.60	0.787	10.54	9.51	0.276	23.17	23.51	0.799	21.57	21.77	0.857
District of Columbia	15.49	15.20	0.757	18.94	17.45	0.251	8.23	8.84	0.519	16.61	16.21	0.723	15.29	15.07	0.821
Florida	30.28	29.27	0.147	25.19 ^b	23.55	0.095	13.61	13.82	0.775	33.02	31.86	0.174	30.71	29.75	0.204
Georgia	29.57 ^a	27.07	0.006	28.56	27.94	0.665	14.10	14.41	0.781	32.29 ^a	29.05	0.005	29.69 ^a	26.97	0.007
Hawaii	26.02 ^a	22.87	0.006	21.40	20.51	0.535	11.57	10.61	0.368	28.42 ^a	24.71	0.008	26.43 ^a	23.08	0.007
Idaho	25.23 ^a	22.84	0.013	24.94	23.69	0.423	12.46	11.71	0.474	27.41 ^a	24.57	0.023	25.27 ^a	22.74	0.020
Illinois	23.81	23.13	0.366	20.92	20.92	0.997	11.36	10.96	0.621	26.14	25.30	0.369	24.10	23.35	0.362
Indiana	23.53	22.12	0.141	22.53 ^b	19.88	0.066	9.38	9.85	0.650	26.11	24.51	0.183	23.64	22.36	0.222
Iowa	21.71 ^b	20.07	0.074	22.24	21.07	0.397	9.76	9.85	0.923	23.78 ^b	21.75	0.083	21.65 ^b	19.97	0.094
Kansas	24.92 ^b	23.13	0.082	23.61	21.99	0.272	14.28 ^b	12.16	0.056	27.00	25.22	0.174	25.07	23.26	0.112
Kentucky	26.17 ^a	23.54	0.008	24.85 ^b	21.95	0.055	12.14	11.00	0.240	28.58 ^a	25.73	0.021	26.30 ^a	23.70	0.017
Louisiana	28.99	28.51	0.652	26.06	25.19	0.579	13.44	13.86	0.735	31.85	31.22	0.634	29.29	28.86	0.708
Maine	16.30	15.61	0.490	16.40	15.28	0.366	6.27	5.80	0.518	17.60	16.89	0.559	16.29	15.64	0.545
Maryland	24.94	25.27	0.753	23.30	21.56	0.263	12.27	12.85	0.607	27.04	27.53	0.705	25.10	25.63	0.639
Massachusetts	18.49 ^a	16.60	0.033	18.03	16.74	0.298	8.15	8.35	0.815	20.32 ^a	18.00	0.039	18.53 ^a	16.59	0.046
Michigan	20.78 ^a	18.23	0.000	22.96 ^a	20.28	0.011	8.70	8.72	0.967	22.54 ^a	19.56	0.000	20.56 ^a	18.03	0.001
Minnesota	18.15	17.10	0.227	19.77	18.86	0.502	8.42	8.35	0.935	19.50	18.25	0.259	17.98	16.92	0.267
Mississippi	32.92	31.51	0.204	29.44	28.08	0.410	19.70 ^b	17.12	0.072	35.64	34.36	0.359	33.30	31.88	0.244
Missouri	22.68 ^a	20.55	0.025	24.29	23.81	0.748	11.80	10.80	0.349	24.24 ^a	21.70	0.032	22.52 ^a	20.22	0.027
Montana	19.12	18.21	0.317	19.41	17.91	0.215	8.19	8.48	0.723	20.82	19.75	0.345	19.09	18.24	0.386

See notes at end of table.

(continued)

Table 4 Perceptions of Great Risk from Smoking Marijuana Once a Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	24.71 ^a	22.69	0.040	24.07	22.64	0.329	11.73	10.41	0.155	27.11 ^b	24.85	0.076	24.78 ^b	22.70	0.055
Nevada	22.00	22.06	0.950	17.94	18.31	0.771	9.11	9.87	0.423	24.29	24.19	0.938	22.40	22.44	0.976
New Hampshire	17.28 ^a	15.00	0.010	19.93 ^a	16.46	0.006	7.19	6.03	0.103	18.56 ^a	16.19	0.031	17.04 ^a	14.87	0.024
New Jersey	32.14	30.46	0.106	26.93	27.30	0.806	14.94	15.60	0.561	35.27 ^b	32.97	0.076	32.66 ^b	30.77	0.098
New Mexico	24.60 ^b	22.55	0.056	20.08	18.72	0.321	12.65	11.12	0.191	27.11 ^b	24.84	0.099	25.08 ^b	22.95	0.074
New York	26.38	26.68	0.677	25.23	24.83	0.682	12.40	13.19	0.298	28.72	28.96	0.792	26.48	26.84	0.646
North Carolina	26.83 ^a	24.20	0.003	23.15	23.79	0.648	13.44 ^a	11.34	0.021	29.38 ^a	26.26	0.005	27.20 ^a	24.24	0.002
North Dakota	22.09	21.88	0.821	24.20	24.52	0.837	10.44	10.21	0.811	24.20	23.86	0.779	21.89	21.63	0.795
Ohio	23.79 ^a	22.13	0.016	23.98	23.42	0.604	9.46	9.12	0.602	26.03 ^a	24.02	0.018	23.77 ^a	22.00	0.018
Oklahoma	24.74 ^a	22.56	0.040	21.57	19.98	0.268	12.17	10.95	0.226	27.28 ^b	24.85	0.071	25.08 ^b	22.84	0.056
Oregon	16.38	16.01	0.672	14.19	14.14	0.969	6.86	6.85	0.993	18.01	17.53	0.652	16.57	16.17	0.672
Pennsylvania	23.57	22.63	0.183	22.50	22.38	0.909	11.46	10.68	0.284	25.54	24.45	0.210	23.67	22.66	0.184
Rhode Island	20.54 ^b	18.94	0.094	21.12 ^b	18.67	0.076	9.91	9.10	0.411	22.37	20.67	0.159	20.49	18.96	0.143
South Carolina	26.53	26.05	0.673	24.23	23.72	0.736	12.92	12.29	0.572	28.86	28.36	0.719	26.75	26.28	0.698
South Dakota	25.74	24.37	0.186	26.54	26.45	0.950	11.50	11.60	0.922	28.03	26.24	0.172	25.65	24.14	0.187
Tennessee	27.26 ^b	25.33	0.077	26.87 ^b	24.20	0.083	12.14	11.53	0.533	29.66	27.58	0.120	27.29	25.44	0.117
Texas	33.27 ^a	31.91	0.037	28.49	27.17	0.230	17.57	16.80	0.362	36.73 ^b	35.23	0.068	33.84 ^b	32.48	0.055
Utah	27.70 ^a	25.29	0.011	30.54 ^a	26.29	0.017	16.23 ^a	13.73	0.032	29.80	27.71	0.106	27.31 ^a	25.15	0.041
Vermont	14.99	15.17	0.848	15.49	15.75	0.840	6.59	6.75	0.835	16.41	16.56	0.892	14.95	15.12	0.863
Virginia	24.66	23.60	0.206	23.71	22.84	0.491	10.74	10.65	0.908	26.98	25.71	0.229	24.75	23.67	0.239
Washington	16.57	15.96	0.474	16.65	17.54	0.503	8.12	8.10	0.984	17.83	16.95	0.398	16.56	15.81	0.416
West Virginia	25.22	23.57	0.109	22.95	20.79	0.142	10.04	8.77	0.155	27.63	25.94	0.178	25.42	23.81	0.150
Wisconsin	20.33 ^b	18.54	0.072	20.27	18.91	0.291	9.76	8.92	0.308	22.06	20.05	0.106	20.33 ^b	18.51	0.092
Wyoming	22.73 ^b	20.79	0.057	23.60	21.63	0.197	13.00 ^a	10.16	0.009	24.13	22.32	0.150	22.64 ^b	20.70	0.079

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 5 *First Use of Marijuana*, by Age Group and State: Average Annual Initiation Estimates (Expressed as Percentages of the At-Risk Population) and *P* Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (<i>P</i> Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (<i>P</i> Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (<i>P</i> Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (<i>P</i> Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (<i>P</i> Value)
Total U.S.	2.17 ^a	2.31	0.001	5.50	5.70	0.129	8.32	8.39	0.731	0.53 ^a	0.67	0.000	1.60 ^a	1.73	0.003
Northeast	2.27 ^a	2.44	0.010	5.78	5.99	0.265	9.47	9.82	0.306	0.55 ^a	0.70	0.006	1.70 ^a	1.87	0.015
Midwest	2.31 ^a	2.48	0.003	5.61	5.55	0.676	8.94	9.24	0.266	0.52 ^a	0.69	0.000	1.71 ^a	1.92	0.000
South	1.76 ^a	1.92	0.000	4.93	5.08	0.274	6.72	6.99	0.198	0.38 ^a	0.52	0.000	1.24 ^a	1.40	0.000
West	2.71	2.78	0.341	6.17 ^a	6.65	0.018	9.76 ^b	9.12	0.063	0.83	0.91	0.213	2.08	2.08	0.928
Alabama	1.59 ^a	1.81	0.031	4.06	4.62	0.176	6.06	6.54	0.404	0.37 ^b	0.51	0.066	1.19	1.35	0.115
Alaska	3.39	3.58	0.355	7.80	7.78	0.961	8.50 ^b	10.11	0.066	1.14	1.28	0.554	2.35	2.62	0.279
Arizona	2.38	2.43	0.755	5.11 ^b	6.00	0.067	7.78	7.38	0.581	0.87	0.81	0.718	1.88	1.78	0.565
Arkansas	1.63 ^a	1.97	0.001	5.01	5.02	0.978	5.92 ^a	7.27	0.021	0.29 ^a	0.51	0.001	1.08 ^a	1.46	0.000
California	2.56	2.66	0.292	6.40	6.83	0.157	9.59	8.93	0.194	0.68 ^b	0.84	0.057	1.90	1.94	0.647
Colorado	3.85	3.80	0.792	7.65	7.97	0.619	13.09	12.49	0.551	1.32	1.21	0.597	3.01	2.88	0.567
Connecticut	3.21	3.08	0.458	8.08 ^a	6.57	0.010	11.55	11.64	0.923	0.84	0.96	0.470	2.27	2.43	0.430
Delaware	2.30 ^a	2.60	0.015	6.72	7.12	0.419	8.30	9.35	0.170	0.63	0.79	0.121	1.57 ^a	1.84	0.038
District of Columbia	4.17	3.96	0.496	9.03	9.50	0.457	13.31	11.37	0.125	1.53	1.50	0.927	3.51	3.22	0.401
Florida	1.72	1.77	0.465	5.51	5.28	0.429	7.75	7.48	0.564	0.38 ^b	0.48	0.065	1.20	1.29	0.227
Georgia	1.84	1.98	0.108	5.30	4.93	0.311	6.31	6.75	0.410	0.35 ^a	0.53	0.006	1.22 ^a	1.46	0.013
Hawaii	2.02	2.06	0.782	6.09	5.70	0.451	7.71	6.53	0.115	0.51 ^b	0.74	0.085	1.39	1.48	0.529
Idaho	1.99 ^a	2.25	0.025	5.47	5.43	0.941	6.40	6.90	0.406	0.32 ^a	0.60	0.001	1.27 ^a	1.59	0.006
Illinois	2.22	2.33	0.304	6.27	6.04	0.540	8.02	7.82	0.713	0.48 ^a	0.68	0.011	1.52	1.67	0.115
Indiana	2.58	2.54	0.768	5.98	5.34	0.166	9.67	8.98	0.362	0.52 ^a	0.72	0.039	1.90	1.98	0.527
Iowa	1.96	2.12	0.139	4.16 ^a	5.06	0.039	8.55	7.55	0.160	0.42	0.54	0.110	1.58	1.63	0.716
Kansas	2.37	2.40	0.860	5.38	4.96	0.333	8.65	7.79	0.231	0.57 ^b	0.73	0.098	1.80	1.89	0.500
Kentucky	1.90 ^a	2.18	0.008	5.08	5.03	0.915	7.02 ^b	8.14	0.071	0.42 ^a	0.62	0.018	1.36 ^a	1.68	0.004
Louisiana	1.66	1.74	0.384	4.22	4.33	0.777	6.77	6.79	0.968	0.37	0.45	0.198	1.23	1.31	0.387
Maine	3.76	3.38	0.126	6.13 ^a	7.71	0.011	15.78	14.39	0.235	1.70 ^a	1.09	0.018	3.31 ^a	2.61	0.011
Maryland	2.06	2.18	0.238	5.45	5.46	0.974	8.42	8.06	0.560	0.49 ^b	0.64	0.078	1.48	1.60	0.261
Massachusetts	3.72	3.79	0.750	8.05	7.25	0.205	14.86	15.27	0.735	0.90	1.13	0.193	2.93	3.17	0.334
Michigan	2.85 ^a	3.18	0.015	6.43	6.30	0.720	10.44 ^a	12.69	0.001	0.73 ^b	0.93	0.070	2.18 ^a	2.59	0.005
Minnesota	2.43	2.49	0.689	5.01	5.13	0.770	9.98	9.58	0.642	0.68	0.78	0.345	1.94	1.98	0.783
Mississippi	1.74	1.67	0.463	4.76	4.55	0.603	6.39	5.83	0.321	0.33	0.37	0.443	1.23	1.19	0.692
Missouri	2.23	2.25	0.855	5.09	5.05	0.904	8.83	8.93	0.882	0.50	0.57	0.407	1.73	1.76	0.782
Montana	2.85 ^a	3.33	0.006	6.24 ^a	7.46	0.019	12.03	11.70	0.723	0.71 ^b	0.98	0.053	2.22	2.52	0.108

See notes at end of table.

(continued)

Table 5 First Use of Marijuana, by Age Group and State: Average Annual Initiation Estimates (Expressed as Percentages of the At-Risk Population) and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	2.08 ^a	2.39	0.006	5.76	6.29	0.268	7.65	8.29	0.354	0.34 ^a	0.56	0.006	1.42 ^a	1.70	0.023
Nevada	2.75	2.97	0.202	5.83 ^a	7.38	0.009	11.68	10.66	0.259	0.92	1.01	0.589	2.18	2.15	0.851
New Hampshire	3.19 ^b	3.50	0.082	7.34	7.68	0.529	12.73	13.81	0.336	0.73 ^b	1.01	0.064	2.37	2.68	0.122
New Jersey	1.82	1.90	0.391	4.92	5.22	0.428	8.39	8.59	0.750	0.39	0.48	0.175	1.33	1.39	0.516
New Mexico	2.99	3.10	0.563	7.88	8.75	0.184	9.66	9.39	0.746	0.87	0.88	0.971	2.08	2.06	0.917
New York	1.97 ^b	2.15	0.052	5.24	5.59	0.255	8.36	8.60	0.659	0.49 ^b	0.63	0.066	1.49	1.64	0.116
North Carolina	1.83 ^a	2.10	0.003	5.18 ^a	6.14	0.022	6.86	6.46	0.460	0.40 ^a	0.59	0.003	1.27	1.41	0.138
North Dakota	1.75 ^a	2.14	0.003	4.04	4.03	0.986	6.93 ^a	8.75	0.030	0.37 ^a	0.56	0.033	1.41 ^a	1.85	0.004
Ohio	2.23 ^a	2.44	0.038	5.27	5.39	0.714	9.31	10.08	0.196	0.50 ^b	0.63	0.080	1.69 ^a	1.91	0.046
Oklahoma	1.94 ^a	2.26	0.008	4.87	4.70	0.685	7.14	8.19	0.154	0.47 ^a	0.71	0.008	1.41 ^a	1.80	0.004
Oregon	3.72 ^b	3.36	0.066	6.75	7.16	0.450	14.44 ^a	11.66	0.008	1.43	1.26	0.409	3.13 ^a	2.64	0.030
Pennsylvania	1.88 ^a	2.24	0.000	4.98 ^a	5.81	0.011	7.74	8.30	0.292	0.38 ^a	0.63	0.001	1.36 ^a	1.66	0.003
Rhode Island	3.24	3.34	0.541	7.07	6.78	0.599	11.54	11.82	0.762	1.02	1.09	0.624	2.57	2.72	0.449
South Carolina	1.81	1.75	0.477	5.51	5.07	0.298	6.89	6.11	0.174	0.34 ^b	0.46	0.060	1.22	1.23	0.926
South Dakota	1.58 ^a	1.91	0.003	4.17	4.45	0.511	6.85	7.84	0.187	0.31 ^a	0.50	0.006	1.16 ^a	1.49	0.005
Tennessee	1.60 ^a	1.87	0.004	5.07	4.94	0.742	5.53 ^a	7.04	0.024	0.27 ^a	0.48	0.005	1.02 ^a	1.38	0.001
Texas	1.69 ^a	1.87	0.020	4.37 ^b	4.86	0.097	6.22	6.47	0.536	0.36 ^a	0.48	0.044	1.22 ^b	1.35	0.092
Utah	1.60 ^b	1.84	0.082	2.79 ^a	3.68	0.021	5.57	5.48	0.892	0.38	0.50	0.216	1.35	1.45	0.510
Vermont	4.01	4.19	0.499	9.57	9.31	0.703	14.66	15.54	0.506	0.88	1.14	0.165	2.96	3.25	0.272
Virginia	1.68 ^a	1.89	0.017	4.66	4.87	0.536	6.50 ^b	7.53	0.068	0.37 ^a	0.53	0.020	1.19 ^a	1.42	0.017
Washington	3.59	3.51	0.714	6.24	6.35	0.825	12.51	11.45	0.293	1.48	1.41	0.734	3.07	2.93	0.557
West Virginia	1.66 ^a	2.14	0.000	5.31	5.97	0.127	6.35 ^a	8.43	0.001	0.34 ^a	0.57	0.004	1.10 ^a	1.55	0.000
Wisconsin	1.95 ^a	2.35	0.000	5.46	5.38	0.837	7.56	8.35	0.272	0.39 ^a	0.65	0.005	1.35 ^a	1.81	0.000
Wyoming	1.98 ^a	2.22	0.043	5.29	5.49	0.649	6.97	7.78	0.236	0.50	0.68	0.103	1.39 ^b	1.64	0.071

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 2017-2018 and 2018-2019 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 * {[X₁ ÷ (0.5 * X₁ + X₂)] ÷ 2}*, where X₁ is the number of marijuana initiates in the past 24 months and X₂ is the number of individuals who never used marijuana (with the at-risk population defined as 0.5 * X₁ + X₂). Both of the computation components, X₁ and X₂, 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 "2018-2019 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 6 Illicit Drug Use Other Than Marijuana in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	3.30	3.31	0.856	2.39	2.37	0.843	6.56 ^a	6.07	0.011	2.88	2.99	0.207	3.39	3.41	0.839
Northeast	3.26	3.14	0.286	2.17	2.12	0.702	7.08 ^a	6.26	0.011	2.78	2.77	0.922	3.36	3.23	0.298
Midwest	3.34	3.31	0.785	2.44	2.36	0.590	6.89 ^a	6.17	0.007	2.87	2.96	0.418	3.43	3.41	0.835
South	3.16	3.06	0.260	2.38	2.37	0.950	6.15 ^a	5.52	0.006	2.77	2.75	0.851	3.24	3.13	0.257
West	3.52 ^a	3.85	0.014	2.53	2.56	0.890	6.54	6.70	0.642	3.15 ^a	3.55	0.014	3.63 ^a	3.98	0.015
Alabama	3.50	3.35	0.571	2.88	2.37	0.173	6.07	5.60	0.514	3.17	3.11	0.848	3.57	3.44	0.688
Alaska	3.40	3.42	0.943	2.16	2.47	0.347	5.82	5.59	0.769	3.16	3.20	0.925	3.53	3.52	0.964
Arizona	3.09	3.43	0.257	2.12	2.47	0.370	5.24	5.02	0.758	2.86	3.29	0.224	3.19	3.53	0.310
Arkansas	3.61 ^a	2.91	0.012	2.56	2.25	0.389	6.43 ^a	4.94	0.032	3.29 ^b	2.67	0.067	3.72 ^a	2.98	0.017
California	3.52 ^a	4.02	0.016	2.47	2.54	0.794	6.21	7.01	0.157	3.20 ^a	3.71	0.041	3.62 ^a	4.16	0.018
Colorado	4.65	4.70	0.878	2.92	3.00	0.873	10.02	8.56	0.124	4.00	4.30	0.484	4.82	4.87	0.897
Connecticut	3.65	3.55	0.727	2.28	2.24	0.921	7.89	7.05	0.321	3.12	3.14	0.947	3.78	3.68	0.734
Delaware	3.46 ^b	4.00	0.098	2.15	2.44	0.440	6.19	6.67	0.560	3.20	3.79	0.125	3.58	4.14	0.117
District of Columbia	5.36	5.29	0.892	2.75 ^a	1.80	0.037	8.37	7.71	0.514	4.98	5.08	0.858	5.50	5.48	0.970
Florida	3.16	3.06	0.591	2.49	2.75	0.375	6.00	5.52	0.341	2.84	2.76	0.717	3.21	3.08	0.518
Georgia	3.06	2.79	0.284	2.07	1.91	0.595	5.55 ^a	4.34	0.020	2.77	2.66	0.694	3.17	2.89	0.318
Hawaii	2.82 ^a	3.41	0.046	2.24	2.09	0.696	6.23	7.03	0.352	2.42 ^b	3.08	0.054	2.87 ^a	3.53	0.042
Idaho	2.64	2.65	0.971	2.41	2.24	0.590	4.86	5.20	0.665	2.30	2.28	0.945	2.67	2.70	0.905
Illinois	3.25	3.20	0.803	2.39	2.16	0.389	7.28 ^a	5.61	0.008	2.71	2.94	0.307	3.33	3.30	0.887
Indiana	3.76 ^b	3.27	0.082	2.59	2.86	0.515	7.79	6.69	0.196	3.22	2.73	0.148	3.89 ^b	3.31	0.071
Iowa	3.46	3.55	0.734	2.48	2.62	0.698	6.95	6.35	0.446	2.97	3.17	0.471	3.57	3.64	0.775
Kansas	3.22 ^a	4.11	0.004	2.42	2.30	0.715	6.17	6.74	0.481	2.80 ^a	3.88	0.003	3.30 ^a	4.31	0.003
Kentucky	3.21	3.11	0.684	2.33	1.96	0.259	5.54	4.58	0.137	2.94	3.01	0.794	3.30	3.23	0.789
Louisiana	3.37	3.26	0.671	2.48	2.44	0.905	5.96	5.84	0.874	3.07	2.95	0.725	3.47	3.34	0.681
Maine	3.07	3.21	0.554	2.28	2.32	0.897	7.21	6.77	0.611	2.61	2.84	0.378	3.14	3.28	0.570
Maryland	3.24	3.31	0.781	2.28	2.09	0.565	6.79	5.73	0.144	2.82	3.09	0.329	3.34	3.43	0.730
Massachusetts	4.04	3.73	0.306	2.52	2.12	0.223	8.41	7.19	0.190	3.45	3.32	0.700	4.17	3.87	0.360
Michigan	3.62	3.64	0.906	2.58	2.33	0.385	7.65	7.46	0.745	3.07	3.18	0.707	3.72	3.77	0.834
Minnesota	3.45	3.19	0.289	2.59	2.38	0.526	7.50	6.39	0.165	2.92	2.79	0.645	3.54	3.27	0.329
Mississippi	3.18	2.99	0.462	2.43	2.16	0.407	5.79	5.07	0.283	2.83	2.76	0.812	3.26	3.09	0.537
Missouri	2.94	2.96	0.921	2.38	2.46	0.819	5.25	5.49	0.732	2.63	2.62	0.971	2.99	3.01	0.948
Montana	3.60	3.72	0.667	2.98	3.02	0.928	8.01	8.36	0.704	2.98	3.09	0.747	3.66	3.79	0.678

See notes at end of table.

(continued)

Table 6 Illicit Drug Use Other Than Marijuana in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	2.94	2.66	0.197	2.31	2.32	0.970	6.97	5.98	0.193	2.31	2.13	0.470	3.00	2.70	0.199
Nevada	3.50	3.70	0.530	2.58	2.50	0.845	6.54	6.11	0.594	3.18	3.50	0.387	3.60	3.81	0.519
New Hampshire	3.46	3.29	0.506	2.89	2.34	0.102	8.84	8.09	0.416	2.70	2.67	0.916	3.51	3.37	0.618
New Jersey	2.62	2.50	0.566	1.91	1.77	0.608	5.26	5.32	0.934	2.31	2.18	0.581	2.69	2.58	0.609
New Mexico	3.06	2.89	0.526	2.54	2.92	0.318	6.21	5.19	0.177	2.61	2.52	0.774	3.11	2.89	0.442
New York	3.31	3.24	0.713	2.09	2.24	0.548	6.90	6.19	0.177	2.87	2.89	0.954	3.42	3.33	0.666
North Carolina	2.99	3.10	0.590	2.48	2.54	0.870	6.41	6.38	0.972	2.51	2.66	0.556	3.04	3.16	0.610
North Dakota	2.95	3.11	0.526	1.99	2.02	0.924	5.63	5.38	0.715	2.53	2.79	0.332	3.05	3.21	0.530
Ohio	3.15	3.14	0.960	2.31	2.14	0.517	6.19	5.48	0.202	2.77	2.89	0.610	3.24	3.24	0.983
Oklahoma	3.52	3.36	0.544	2.66	2.41	0.470	7.93 ^a	6.15	0.032	2.88	3.01	0.673	3.61	3.46	0.610
Oregon	4.19	4.32	0.736	3.04	2.76	0.538	9.01	8.52	0.600	3.61	3.88	0.543	4.30	4.46	0.695
Pennsylvania	2.98	2.85	0.511	2.12	2.10	0.931	7.06 ^a	5.74	0.031	2.45	2.50	0.807	3.05	2.92	0.517
Rhode Island	4.07	3.89	0.572	2.55	2.12	0.256	8.32	7.00	0.129	3.48	3.53	0.900	4.21	4.04	0.643
South Carolina	3.61	3.26	0.186	2.71	2.75	0.928	7.11 ^b	5.79	0.090	3.18	2.94	0.452	3.69	3.31	0.189
South Dakota	2.88 ^a	2.45	0.047	2.55	2.25	0.431	5.96	5.13	0.221	2.41	2.03	0.142	2.92 ^b	2.47	0.064
Tennessee	3.20	3.08	0.634	2.41	2.23	0.615	6.35 ^b	5.11	0.087	2.81	2.87	0.826	3.28	3.17	0.679
Texas	2.95	2.93	0.906	2.25	2.40	0.588	5.79	5.48	0.539	2.55	2.56	0.951	3.03	2.99	0.828
Utah	2.91	3.02	0.625	2.55	2.55	0.991	5.72	5.72	0.994	2.35	2.50	0.572	2.96	3.09	0.625
Vermont	4.30	3.95	0.252	3.13	2.64	0.205	10.39 ^b	8.56	0.086	3.36	3.29	0.830	4.40	4.06	0.305
Virginia	2.91	2.83	0.713	2.19	2.17	0.941	6.49	6.15	0.593	2.42	2.39	0.885	2.98	2.90	0.720
Washington	3.53	3.68	0.623	2.82	2.35	0.223	6.56	5.72	0.261	3.16	3.52	0.294	3.60	3.80	0.536
West Virginia	3.04	2.71	0.127	2.34	2.28	0.854	6.35	5.28	0.145	2.64	2.39	0.318	3.10	2.74	0.134
Wisconsin	3.51	3.71	0.445	2.39	2.57	0.617	6.75	6.28	0.557	3.11	3.43	0.308	3.62	3.82	0.487
Wyoming	2.58	2.34	0.262	2.23	2.44	0.536	5.18	5.17	0.996	2.22	1.90	0.189	2.61	2.33	0.224

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Illicit Drug Use Other Than Marijuana Use includes the misuse of prescription psychotherapeutics or the use of cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs. Illicit Drugs Other Than Marijuana excludes respondents who used only marijuana but includes those who used marijuana in addition to other illicit drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 7 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	2.10 ^b	2.00	0.075	0.48	0.42	0.173	5.99 ^a	5.54	0.012	1.67	1.63	0.536	2.26 ^b	2.16	0.088
Northeast	2.32	2.21	0.206	0.46	0.38	0.193	6.84	6.35	0.140	1.82	1.77	0.630	2.50	2.38	0.227
Midwest	1.93 ^b	1.81	0.098	0.50	0.43	0.237	5.72 ^a	5.07	0.015	1.48	1.45	0.756	2.07	1.95	0.116
South	1.77 ^b	1.65	0.061	0.42	0.36	0.186	4.88 ^a	4.39	0.025	1.43	1.38	0.431	1.90 ^b	1.78	0.074
West	2.63	2.58	0.669	0.56	0.54	0.795	7.35	7.18	0.651	2.11	2.09	0.909	2.84	2.79	0.679
Alabama	1.69	1.78	0.625	0.38	0.31	0.381	4.49	4.13	0.540	1.40	1.58	0.382	1.83	1.93	0.606
Alaska	2.19	2.05	0.492	0.45	0.47	0.916	5.09	5.09	0.998	1.95	1.78	0.486	2.38	2.23	0.485
Arizona	1.97	1.82	0.379	0.55	0.48	0.591	5.51	5.31	0.781	1.56	1.41	0.433	2.12	1.95	0.396
Arkansas	1.40 ^a	1.11	0.026	0.48	0.36	0.298	3.73	3.05	0.209	1.13	0.89	0.102	1.49 ^a	1.19	0.034
California	2.80	2.75	0.710	0.51	0.52	0.933	7.68	7.71	0.966	2.27	2.21	0.720	3.04	2.97	0.701
Colorado	3.82	4.12	0.391	0.78	0.64	0.535	11.64	10.98	0.574	2.94	3.45	0.195	4.13	4.46	0.377
Connecticut	2.05	1.99	0.753	0.41	0.37	0.654	6.17	6.21	0.966	1.58	1.50	0.717	2.21	2.15	0.761
Delaware	2.20	2.21	0.958	0.37	0.31	0.460	6.88	6.63	0.782	1.72	1.79	0.740	2.37	2.39	0.943
District of Columbia	4.51	3.95	0.214	0.26	0.21	0.563	7.40	6.45	0.299	4.26	3.75	0.345	4.75	4.16	0.218
Florida	2.00 ^a	1.72	0.035	0.48 ^b	0.36	0.086	6.08 ^b	5.07	0.059	1.60	1.41	0.203	2.13 ^a	1.84	0.042
Georgia	1.82 ^a	1.43	0.008	0.34	0.25	0.187	4.64 ^a	3.41	0.011	1.54 ^b	1.26	0.097	1.98 ^a	1.56	0.010
Hawaii	2.10	2.41	0.166	0.35	0.43	0.677	6.02	6.12	0.904	1.75	2.13	0.142	2.25	2.59	0.176
Idaho	1.37	1.36	0.994	0.55	0.57	0.884	3.96	4.01	0.931	1.05	1.04	0.938	1.46	1.46	0.972
Illinois	2.23	2.10	0.417	0.50	0.40	0.229	6.07 ^a	4.77	0.023	1.83	1.88	0.773	2.41	2.27	0.447
Indiana	2.14 ^a	1.58	0.003	0.63	0.50	0.304	6.53 ^a	4.63	0.010	1.57 ^b	1.19	0.061	2.30 ^a	1.69	0.004
Iowa	1.47	1.45	0.844	0.49	0.47	0.853	4.69	4.51	0.775	1.02	1.03	0.944	1.57	1.55	0.858
Kansas	1.63 ^b	2.05	0.063	0.55	0.54	0.959	4.87	5.11	0.756	1.20 ^a	1.71	0.037	1.75 ^b	2.21	0.065
Kentucky	1.72	1.95	0.200	0.51	0.45	0.602	4.92	4.61	0.624	1.35 ^b	1.70	0.083	1.85	2.10	0.192
Louisiana	1.50 ^b	1.81	0.059	0.31	0.26	0.487	3.97	4.77	0.234	1.25	1.53	0.119	1.62 ^b	1.97	0.057
Maine	2.04	1.96	0.657	0.63	0.56	0.697	7.54	7.25	0.761	1.46	1.42	0.840	2.16	2.08	0.674
Maryland	1.92	1.73	0.319	0.30	0.27	0.650	5.32	4.41	0.183	1.59	1.50	0.682	2.08	1.88	0.327
Massachusetts	2.91 ^a	2.24	0.003	0.54	0.42	0.274	9.03 ^a	6.98	0.035	2.11 ^a	1.63	0.041	3.12 ^a	2.40	0.004
Michigan	1.94	1.82	0.341	0.46	0.37	0.306	6.02	5.93	0.871	1.44	1.31	0.366	2.08	1.96	0.365
Minnesota	2.40	2.14	0.146	0.52	0.43	0.446	6.65	5.94	0.310	1.96	1.76	0.338	2.59	2.31	0.161
Mississippi	1.47	1.52	0.732	0.32	0.25	0.398	3.25	3.45	0.687	1.32	1.36	0.791	1.60	1.66	0.702
Missouri	1.45	1.33	0.411	0.42	0.38	0.683	4.14	4.12	0.976	1.14	1.00	0.399	1.55	1.42	0.429
Montana	1.91	2.11	0.208	0.65	0.61	0.846	6.12	6.92	0.332	1.38	1.53	0.353	2.03	2.25	0.201

See notes at end of table.

(continued)

Table 7 Cocaine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	1.83	1.70	0.405	0.54	0.50	0.754	6.20	5.93	0.738	1.23	1.13	0.478	1.98	1.84	0.424
Nevada	2.27 ^b	2.74	0.053	0.54	0.53	0.948	5.84	7.41	0.118	1.96	2.35	0.165	2.44 ^b	2.96	0.054
New Hampshire	2.72	2.63	0.714	0.80	0.61	0.364	10.65	9.23	0.174	1.70	1.86	0.500	2.89	2.81	0.755
New Jersey	1.47	1.59	0.442	0.34	0.32	0.834	4.27	4.77	0.486	1.19	1.27	0.605	1.58	1.71	0.440
New Mexico	2.09	1.87	0.230	0.67	0.65	0.944	5.86	4.98	0.233	1.66	1.53	0.529	2.24	2.00	0.233
New York	2.62	2.52	0.526	0.39	0.32	0.346	6.88	6.44	0.431	2.18	2.14	0.813	2.82	2.71	0.542
North Carolina	1.85	1.93	0.606	0.43	0.33	0.250	4.86	5.17	0.618	1.54	1.62	0.696	1.99	2.10	0.578
North Dakota	1.48	1.44	0.789	0.45	0.48	0.859	4.52	4.41	0.872	1.00	0.98	0.916	1.58	1.54	0.787
Ohio	1.59	1.74	0.279	0.44	0.37	0.363	4.99	4.89	0.871	1.19	1.41	0.154	1.70	1.88	0.262
Oklahoma	1.94 ^b	1.63	0.070	0.51	0.41	0.406	5.88 ^a	4.24	0.020	1.46	1.34	0.534	2.10 ^b	1.76	0.081
Oregon	3.09	2.89	0.421	0.80	0.66	0.503	9.72	8.41	0.174	2.36	2.32	0.900	3.30	3.09	0.446
Pennsylvania	2.12	2.15	0.844	0.53	0.43	0.250	6.60	6.35	0.666	1.61	1.71	0.560	2.27	2.31	0.804
Rhode Island	2.61 ^b	2.24	0.069	0.56	0.43	0.269	7.34	6.66	0.441	1.99	1.67	0.138	2.79 ^b	2.40	0.078
South Carolina	2.07 ^a	1.46	0.000	0.46 ^a	0.28	0.048	6.24 ^a	4.06	0.003	1.62 ^a	1.21	0.027	2.23 ^a	1.58	0.001
South Dakota	1.14	1.10	0.715	0.43	0.44	0.906	3.60	3.57	0.952	0.82	0.77	0.704	1.22	1.17	0.708
Tennessee	1.88 ^a	1.53	0.045	0.47	0.36	0.205	5.02 ^a	3.57	0.025	1.55	1.35	0.313	2.02 ^b	1.64	0.052
Texas	1.42	1.47	0.630	0.44	0.44	0.991	3.99	4.12	0.773	1.10	1.16	0.680	1.54	1.60	0.636
Utah	1.61 ^a	1.27	0.016	0.52	0.52	0.978	4.52	3.65	0.142	1.16 ^b	0.88	0.069	1.76 ^a	1.38	0.016
Vermont	3.42	3.06	0.203	0.81	0.68	0.511	11.06 ^b	9.09	0.093	2.35	2.25	0.753	3.63	3.25	0.215
Virginia	1.82	1.80	0.888	0.37	0.31	0.417	5.19	5.20	0.993	1.45	1.43	0.919	1.96	1.94	0.912
Washington	2.46	2.26	0.350	0.63	0.53	0.474	6.85	6.22	0.453	2.01	1.87	0.576	2.64	2.43	0.373
West Virginia	1.82	1.60	0.160	0.61	0.51	0.429	5.27	4.76	0.475	1.45	1.27	0.276	1.93	1.70	0.178
Wisconsin	2.30	2.04	0.186	0.60	0.55	0.738	6.98 ^b	5.54	0.071	1.74	1.65	0.696	2.47	2.19	0.195
Wyoming	1.31 ^a	1.66	0.027	0.54	0.62	0.657	4.23 ^b	5.83	0.052	0.95	1.16	0.187	1.39 ^a	1.77	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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 8 Perceptions of Great Risk from Using Cocaine Once a Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017-2018)	12+ (2018-2019)	12+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)
Total U.S.	71.27 ^a	70.59	0.001	54.92 ^a	54.03	0.013	62.82	62.64	0.635	74.50 ^a	73.73	0.002	72.89 ^a	72.22	0.003
Northeast	69.04	68.41	0.121	54.91	54.31	0.347	58.69	59.29	0.381	72.14 ^b	71.26	0.078	70.32	69.67	0.141
Midwest	70.55 ^a	69.63	0.001	53.32	52.69	0.274	61.52	61.05	0.433	74.06 ^a	72.98	0.002	72.29 ^a	71.32	0.002
South	75.59 ^a	74.73	0.001	56.63 ^a	55.56	0.037	67.87	67.05	0.152	79.05 ^a	78.17	0.005	77.52 ^a	76.67	0.003
West	66.65	66.44	0.570	53.60	52.56	0.120	59.11	59.53	0.577	69.40	69.15	0.571	67.96	67.82	0.735
Alabama	76.00	76.45	0.611	56.39	55.84	0.716	70.04	68.99	0.511	79.22	79.97	0.474	77.95	78.48	0.574
Alaska	64.75	64.28	0.650	54.49 ^a	51.30	0.042	60.11	58.18	0.262	66.79	66.84	0.967	65.85	65.67	0.871
Arizona	70.57 ^a	68.40	0.031	56.54 ^a	51.92	0.003	64.18 ^b	60.99	0.072	73.29	71.55	0.160	72.00 ^b	70.07	0.077
Arkansas	77.64	78.14	0.527	56.51	57.22	0.654	71.41	72.07	0.671	81.21	81.64	0.651	79.84	80.31	0.579
California	66.63	67.21	0.301	53.54	52.94	0.544	59.60	60.63	0.333	69.31	69.91	0.379	67.93	68.62	0.254
Colorado	62.84	62.29	0.602	52.47	52.12	0.851	52.99	54.23	0.517	65.59	64.70	0.487	63.86	63.28	0.612
Connecticut	68.42	69.76	0.232	57.63	55.03	0.120	57.46	60.21	0.103	71.39	72.90	0.264	69.45	71.15	0.160
Delaware	71.15	70.72	0.646	56.12	54.99	0.490	63.81	61.82	0.244	73.80	73.61	0.862	72.53	72.15	0.704
District of Columbia	58.90	59.89	0.375	57.93 ^b	55.01	0.092	53.44	54.64	0.545	59.94	61.13	0.369	58.93	60.14	0.302
Florida	76.53 ^a	74.97	0.007	55.75	54.78	0.347	66.73	66.20	0.631	79.87 ^a	78.06	0.008	78.30 ^a	76.67	0.008
Georgia	77.30 ^a	75.64	0.025	62.35 ^a	58.10	0.003	67.64	68.42	0.547	80.83 ^b	79.06	0.052	78.95 ^b	77.56	0.085
Hawaii	68.63	68.08	0.611	55.47	53.96	0.405	63.84 ^b	60.95	0.097	70.60	70.43	0.895	69.79	69.33	0.695
Idaho	71.22 ^b	69.69	0.093	54.21	51.91	0.157	65.09 ^a	60.84	0.008	74.60	73.59	0.369	73.24	71.79	0.144
Illinois	68.95	68.50	0.511	53.16	51.82	0.289	62.22	61.64	0.659	71.88	71.51	0.657	70.55	70.17	0.614
Indiana	72.27	71.26	0.232	51.84	52.52	0.678	62.82	62.09	0.661	76.45	75.13	0.195	74.44	73.23	0.185
Iowa	68.45	68.87	0.671	48.98	50.11	0.485	57.87	58.19	0.837	72.65	72.97	0.796	70.43	70.78	0.743
Kansas	70.87	69.57	0.163	53.70	52.45	0.444	64.79	62.40	0.149	74.16	73.02	0.316	72.75	71.43	0.193
Kentucky	75.60	75.68	0.922	56.35	56.49	0.935	65.65	67.20	0.320	79.43	79.23	0.842	77.52	77.59	0.939
Louisiana	75.35 ^a	77.22	0.027	54.23	56.25	0.216	70.23	70.51	0.861	78.71 ^a	80.78	0.043	77.53 ^a	79.38	0.043
Maine	67.71	68.04	0.748	53.12	54.07	0.536	56.86	57.67	0.627	70.48	70.64	0.896	68.91	69.18	0.809
Maryland	72.33	71.58	0.409	52.92	53.66	0.652	63.21	63.36	0.923	75.87	74.78	0.316	74.22	73.31	0.354
Massachusetts	63.74	64.41	0.551	51.16	52.31	0.462	51.72	54.37	0.140	67.07	67.32	0.856	64.83	65.45	0.606
Michigan	72.86 ^a	70.31	0.000	54.26 ^b	52.22	0.100	62.94 ^b	61.03	0.099	76.62 ^a	73.84	0.001	74.68 ^a	72.05	0.000
Minnesota	65.72	64.59	0.244	50.84	50.69	0.926	55.33	54.80	0.753	69.09	67.72	0.242	67.22	65.99	0.240
Mississippi	80.15	79.21	0.203	56.71	56.15	0.736	73.25	72.75	0.734	84.31	83.20	0.209	82.69	81.70	0.208
Missouri	71.87	72.26	0.672	57.97	57.97	0.999	62.01	63.73	0.301	75.04	75.22	0.871	73.25	73.67	0.671
Montana	67.53	66.16	0.178	50.79	50.97	0.912	57.49	55.03	0.149	70.88	69.47	0.244	69.06	67.54	0.162

See notes at end of table.

(continued)

Table 8 Perceptions of Great Risk from Using Cocaine Once a Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	70.75	70.11	0.478	51.04	51.57	0.740	58.97	60.42	0.371	75.35	74.17	0.289	72.89	72.13	0.436
Nevada	69.99 ^b	68.07	0.067	53.57	51.66	0.261	62.98	61.49	0.371	72.84	70.82	0.113	71.61 ^b	69.68	0.094
New Hampshire	67.04 ^a	64.54	0.020	51.63	50.39	0.460	51.20	51.12	0.963	71.01 ^a	67.92	0.015	68.38 ^a	65.74	0.022
New Jersey	72.95	73.48	0.542	56.85	56.54	0.843	64.24	65.25	0.520	76.04	76.55	0.628	74.53	75.12	0.523
New Mexico	71.12 ^a	68.37	0.008	55.41 ^a	51.49	0.025	65.51	63.73	0.302	73.93 ^a	71.13	0.023	72.75 ^a	70.12	0.017
New York	68.70 ^b	67.41	0.065	56.35 ^b	54.50	0.084	59.66	59.04	0.585	71.40 ^b	69.99	0.099	69.79 ^b	68.53	0.098
North Carolina	74.24 ^a	72.46	0.020	53.22	54.43	0.366	65.88 ^b	63.46	0.080	78.00 ^a	75.92	0.026	76.35 ^a	74.24	0.011
North Dakota	70.94	70.03	0.306	52.67	51.88	0.650	59.85	58.87	0.564	75.20	74.25	0.381	72.65	71.76	0.348
Ohio	72.20	71.44	0.265	55.54	54.15	0.249	62.45	62.85	0.728	75.66	74.75	0.268	73.86	73.14	0.333
Oklahoma	73.66	72.56	0.270	54.98	53.18	0.307	67.58	66.57	0.531	77.05	76.01	0.375	75.68	74.65	0.334
Oregon	62.54	62.07	0.660	51.04	51.52	0.776	52.49	55.20	0.104	65.19	64.11	0.403	63.55	62.99	0.619
Pennsylvania	70.52 ^a	68.99	0.027	53.13	53.68	0.654	59.48	59.94	0.701	74.02 ^a	71.92	0.012	72.09 ^a	70.36	0.020
Rhode Island	68.24	66.52	0.104	53.13	53.76	0.697	56.51	57.31	0.646	71.84 ^b	69.37	0.053	69.54 ^b	67.60	0.086
South Carolina	75.10	76.08	0.259	54.20	55.80	0.309	66.03	67.32	0.413	78.79	79.60	0.427	77.10	78.01	0.326
South Dakota	70.86	70.03	0.393	52.49	52.95	0.762	61.68	60.81	0.596	74.65	73.66	0.388	72.78	71.83	0.358
Tennessee	75.51	75.73	0.787	54.73	55.92	0.446	68.16	66.80	0.393	79.03	79.33	0.758	77.56	77.67	0.903
Texas	76.68 ^a	75.42	0.021	58.42 ^a	55.67	0.014	70.62	69.01	0.130	80.29	79.26	0.124	78.84 ^b	77.74	0.066
Utah	71.76	70.96	0.329	58.37	55.60	0.101	63.70	63.71	0.995	75.82	75.17	0.533	73.62	73.10	0.567
Vermont	65.59	65.64	0.965	54.43	54.59	0.926	53.83	54.81	0.578	68.68	68.51	0.902	66.49	66.51	0.982
Virginia	72.34 ^b	71.02	0.085	56.59	54.97	0.253	64.82 ^b	62.43	0.072	75.29	74.15	0.217	73.86	72.57	0.118
Washington	62.01	62.31	0.785	49.62	51.33	0.347	51.61	54.56	0.117	64.88	64.60	0.828	63.16	63.32	0.894
West Virginia	75.18	75.92	0.406	54.97	55.91	0.558	67.66	66.23	0.381	78.28	79.27	0.344	76.95	77.66	0.453
Wisconsin	68.88	67.66	0.213	50.13	51.16	0.506	60.87	59.67	0.451	72.32	70.80	0.204	70.72	69.27	0.171
Wyoming	70.57 ^a	67.61	0.002	54.94 ^b	51.91	0.055	60.94 ^a	56.87	0.018	73.88 ^a	71.09	0.019	72.15 ^a	69.21	0.005

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 9 Heroin Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	0.31	0.28	0.229	0.05 ^a	0.02	0.004	0.54 ^a	0.36	0.000	0.30	0.30	0.925	0.34	0.31	0.269
Northeast	0.46	0.36	0.181	0.05	0.02	0.352	0.68 ^a	0.45	0.026	0.47	0.38	0.337	0.50	0.39	0.187
Midwest	0.33	0.31	0.636	0.05	0.03	0.419	0.58 ^a	0.40	0.032	0.32	0.32	0.972	0.36	0.34	0.662
South	0.27	0.23	0.369	0.05	0.02	0.330	0.52 ^a	0.33	0.006	0.26	0.24	0.769	0.29	0.26	0.391
West	0.25	0.28	0.474	0.05	0.02	0.329	0.45 ^a	0.30	0.036	0.24	0.31	0.222	0.27	0.31	0.437
Alabama	0.33	0.27	0.500	0.05	0.03	0.740	0.52	0.35	0.158	0.33	0.29	0.672	0.36	0.30	0.510
Alaska	0.52	0.54	0.927	0.07	0.03	0.435	0.65 ^a	0.32	0.028	0.56	0.64	0.734	0.57	0.60	0.910
Arizona	0.25	0.36	0.213	0.05	0.01	0.159	0.63	0.44	0.239	0.22 ^b	0.39	0.098	0.27	0.40	0.199
Arkansas	0.24	0.22	0.691	0.06	0.03	0.275	0.58	0.39	0.162	0.21	0.21	0.936	0.26	0.23	0.728
California	0.18	0.22	0.541	0.03	0.01	0.526	0.31	0.20	0.177	0.18	0.25	0.364	0.20	0.24	0.518
Colorado	0.35	0.35	0.983	0.05	0.01	0.245	0.75	0.53	0.259	0.32	0.36	0.705	0.38	0.38	0.958
Connecticut	0.39	0.33	0.546	0.04	0.01	0.280	0.61 ^b	0.38	0.092	0.40	0.36	0.745	0.43	0.36	0.559
Delaware	0.84	0.58	0.319	0.07	0.03	0.357	1.12 ^b	0.59	0.087	0.88	0.64	0.432	0.91	0.63	0.324
District of Columbia	0.41	0.65	0.168	0.02	0.01	0.552	0.36	0.32	0.733	0.45	0.75	0.155	0.43	0.69	0.168
Florida	0.29	0.24	0.531	0.06	0.02	0.197	0.56	0.40	0.216	0.27	0.24	0.740	0.30	0.26	0.563
Georgia	0.17	0.16	0.904	0.03	0.02	0.479	0.35	0.23	0.174	0.15	0.17	0.823	0.18	0.18	0.927
Hawaii	0.27	0.26	0.940	0.06	0.02	0.192	0.38 ^a	0.18	0.028	0.27	0.30	0.822	0.29	0.28	0.975
Idaho	0.32	0.30	0.821	0.06	0.03	0.294	0.51	0.36	0.246	0.32	0.33	0.952	0.35	0.33	0.852
Illinois	0.24	0.24	0.981	0.03	0.01	0.372	0.45	0.31	0.190	0.23	0.26	0.750	0.26	0.26	0.962
Indiana	0.49 ^b	0.32	0.091	0.07	0.03	0.299	0.86 ^b	0.50	0.055	0.48	0.33	0.215	0.54 ^b	0.35	0.097
Iowa	0.26	0.25	0.808	0.05	0.03	0.425	0.54	0.38	0.220	0.24	0.25	0.900	0.29	0.27	0.831
Kansas	0.23 ^a	0.49	0.009	0.05	0.02	0.352	0.49	0.45	0.768	0.21 ^a	0.55	0.006	0.25 ^a	0.54	0.009
Kentucky	0.40	0.40	0.952	0.08	0.04	0.321	0.66	0.52	0.391	0.40	0.42	0.893	0.44	0.43	0.977
Louisiana	0.21	0.28	0.278	0.04	0.02	0.433	0.40	0.30	0.334	0.20	0.31	0.183	0.22	0.31	0.266
Maine	0.65	0.56	0.650	0.08	0.03	0.197	1.10	0.81	0.347	0.65	0.58	0.777	0.70	0.61	0.663
Maryland	0.34	0.24	0.181	0.04	0.02	0.444	0.57 ^a	0.30	0.027	0.34	0.25	0.353	0.37	0.26	0.188
Massachusetts	0.52	0.38	0.241	0.04	0.02	0.667	0.64	0.44	0.186	0.55	0.41	0.330	0.57	0.41	0.244
Michigan	0.22	0.32	0.192	0.05	0.03	0.525	0.39	0.37	0.914	0.21	0.35	0.159	0.24	0.35	0.186
Minnesota	0.33	0.29	0.595	0.04	0.02	0.473	0.62	0.43	0.182	0.32	0.30	0.833	0.36	0.32	0.609
Mississippi	0.21	0.22	0.775	0.04	0.02	0.697	0.41	0.31	0.333	0.19	0.23	0.560	0.22	0.24	0.757
Missouri	0.26	0.28	0.788	0.06	0.03	0.475	0.54	0.43	0.461	0.24	0.28	0.605	0.28	0.30	0.768
Montana	0.30	0.36	0.486	0.08	0.04	0.398	0.59	0.47	0.418	0.28	0.38	0.341	0.32	0.39	0.464

See notes at end of table.

(continued)

Table 9 Heroin Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	0.22	0.24	0.779	0.04	0.03	0.494	0.48	0.37	0.411	0.20	0.25	0.571	0.24	0.26	0.758
Nevada	0.34	0.21	0.128	0.07 ^b	0.01	0.077	0.80 ^a	0.30	0.001	0.30	0.22	0.412	0.36	0.23	0.144
New Hampshire	0.41	0.30	0.196	0.07	0.03	0.304	0.72	0.52	0.276	0.40	0.29	0.291	0.44	0.32	0.208
New Jersey	0.61	0.41	0.212	0.04	0.02	0.320	0.60	0.40	0.167	0.67	0.45	0.264	0.66	0.44	0.217
New Mexico	0.30	0.30	0.962	0.07 ^b	0.01	0.089	0.58 ^b	0.34	0.091	0.28	0.32	0.712	0.32	0.32	0.992
New York	0.28	0.30	0.826	0.04	0.02	0.436	0.50	0.32	0.126	0.27	0.32	0.593	0.30	0.32	0.813
North Carolina	0.27	0.28	0.882	0.04	0.02	0.492	0.61 ^b	0.37	0.075	0.24	0.29	0.541	0.29	0.31	0.863
North Dakota	0.36	0.31	0.546	0.05	0.03	0.563	0.79 ^a	0.41	0.030	0.31	0.32	0.920	0.39	0.33	0.565
Ohio	0.49	0.35	0.187	0.07	0.04	0.446	0.73 ^a	0.42	0.030	0.50	0.38	0.337	0.53	0.38	0.195
Oklahoma	0.34	0.27	0.363	0.08	0.03	0.197	0.78 ^a	0.37	0.012	0.29	0.28	0.855	0.37	0.29	0.392
Oregon	0.38	0.48	0.436	0.07	0.03	0.334	0.53	0.46	0.601	0.39	0.52	0.377	0.41	0.52	0.424
Pennsylvania	0.59	0.41	0.173	0.05	0.02	0.255	1.03	0.70	0.181	0.58	0.40	0.277	0.64	0.44	0.179
Rhode Island	0.41	0.35	0.626	0.06	0.04	0.516	0.55	0.36	0.168	0.42	0.38	0.788	0.44	0.37	0.639
South Carolina	0.19	0.19	0.991	0.05	0.03	0.435	0.40	0.31	0.415	0.17	0.19	0.802	0.20	0.21	0.966
South Dakota	0.22	0.24	0.837	0.05	0.03	0.482	0.49	0.33	0.242	0.20	0.25	0.557	0.24	0.26	0.812
Tennessee	0.32	0.30	0.801	0.05	0.02	0.327	0.63	0.52	0.525	0.31	0.30	0.943	0.35	0.33	0.825
Texas	0.21	0.15	0.254	0.04	0.01	0.214	0.45 ^a	0.22	0.022	0.19	0.15	0.588	0.23	0.16	0.277
Utah	0.27	0.26	0.917	0.03	0.02	0.490	0.45	0.28	0.192	0.27	0.30	0.734	0.31	0.30	0.939
Vermont	0.65	0.54	0.581	0.09	0.05	0.418	0.85	0.56	0.177	0.67	0.59	0.729	0.70	0.59	0.591
Virginia	0.34	0.26	0.279	0.04	0.02	0.707	0.50	0.33	0.117	0.35	0.28	0.413	0.37	0.28	0.287
Washington	0.30	0.36	0.569	0.06	0.03	0.291	0.54	0.40	0.248	0.29	0.38	0.424	0.33	0.39	0.552
West Virginia	0.50	0.35	0.193	0.07	0.03	0.451	0.89 ^b	0.52	0.052	0.49	0.36	0.336	0.54	0.38	0.201
Wisconsin	0.41	0.34	0.424	0.05	0.03	0.459	0.69	0.49	0.210	0.41	0.35	0.587	0.45	0.37	0.436
Wyoming	0.23	0.28	0.498	0.07	0.04	0.415	0.51	0.45	0.706	0.21	0.28	0.388	0.25	0.30	0.471

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 10 Perceptions of Great Risk from Trying Heroin Once or Twice, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017-2018)	12+ (2018-2019)	12+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)
Total U.S.	86.29 ^a	85.73	0.000	65.41 ^a	63.72	0.000	82.54	82.47	0.790	89.28 ^a	88.74	0.002	88.35 ^a	87.89	0.003
Northeast	86.46 ^a	85.88	0.025	66.88 ^b	65.69	0.060	82.80	82.66	0.780	89.07 ^a	88.44	0.041	88.22 ^a	87.67	0.047
Midwest	86.32 ^a	85.44	0.000	64.74 ^a	62.75	0.000	82.56 ^a	81.56	0.025	89.46 ^a	88.70	0.003	88.49 ^a	87.71	0.001
South	87.78 ^a	87.20	0.003	66.09 ^a	64.60	0.004	83.78	83.73	0.904	90.96 ^a	90.37	0.006	89.97 ^a	89.47	0.010
West	83.76	83.53	0.395	63.91 ^a	61.83	0.002	80.42	81.17	0.182	86.61	86.40	0.530	85.74	85.68	0.834
Alabama	88.45	87.79	0.275	67.59	64.68	0.107	85.17	84.09	0.358	91.36	90.99	0.605	90.51	90.06	0.475
Alaska	82.02	81.37	0.383	63.73 ^b	60.40	0.056	80.10	79.53	0.704	84.63	84.26	0.688	84.00	83.62	0.640
Arizona	87.29 ^a	85.94	0.032	67.26 ^a	62.81	0.018	84.55	82.99	0.257	90.13	89.14	0.187	89.34	88.28	0.108
Arkansas	87.54 ^b	88.58	0.058	64.83	65.24	0.810	82.58 ^a	85.70	0.025	91.08	91.84	0.218	89.89 ^b	90.99	0.057
California	83.46	83.56	0.811	63.44 ^b	61.67	0.093	80.65 ^b	82.15	0.088	86.23	86.30	0.901	85.44	85.72	0.547
Colorado	83.98	83.16	0.247	63.36	62.40	0.590	80.97	81.11	0.922	86.82	85.83	0.241	86.02	85.19	0.273
Connecticut	87.67	88.14	0.454	68.82	67.64	0.548	84.79	86.41	0.179	90.23	90.67	0.560	89.47	90.08	0.368
Delaware	87.47	88.38	0.116	66.23	64.06	0.225	83.96	85.42	0.244	90.20	91.31	0.101	89.41 ^b	90.59	0.056
District of Columbia	80.07	80.42	0.697	65.32	62.70	0.163	77.60	78.65	0.557	81.47	81.88	0.703	80.86	81.38	0.583
Florida	89.41 ^a	88.18	0.003	66.03 ^a	63.78	0.048	83.96	83.72	0.771	92.39 ^a	91.09	0.005	91.39 ^a	90.23	0.006
Georgia	88.87	88.31	0.242	69.15	66.74	0.109	84.17	84.22	0.970	92.17	91.72	0.397	91.03	90.66	0.454
Hawaii	82.74	82.67	0.933	62.99	61.95	0.599	80.47	78.99	0.335	85.01	85.21	0.836	84.47	84.49	0.979
Idaho	85.82 ^a	84.24	0.014	65.91 ^a	61.42	0.012	81.73	80.82	0.509	89.26 ^b	87.94	0.087	88.18 ^b	86.93	0.070
Illinois	86.37 ^a	85.35	0.035	65.04 ^b	62.76	0.085	82.60	81.01	0.140	89.46	88.65	0.150	88.52 ^b	87.61	0.075
Indiana	87.79	87.31	0.358	63.83	63.74	0.958	84.79	83.73	0.413	91.29	90.82	0.448	90.33	89.78	0.326
Iowa	82.98	82.14	0.257	59.75	57.83	0.303	77.93 ^b	74.78	0.051	86.64	86.32	0.728	85.33	84.61	0.368
Kansas	83.45	82.40	0.152	61.46	58.84	0.144	81.76	79.70	0.166	86.57	85.89	0.438	85.85	84.96	0.262
Kentucky	88.58	88.97	0.457	66.70	66.31	0.828	84.90	86.02	0.362	91.69	92.03	0.575	90.75	91.21	0.412
Louisiana	87.95	87.83	0.831	65.86	64.50	0.426	85.67	84.81	0.513	90.95	91.07	0.846	90.22	90.22	0.992
Maine	86.94 ^b	85.72	0.073	64.65	64.58	0.965	83.96 ^b	81.28	0.051	89.39	88.21	0.133	88.77 ^b	87.43	0.064
Maryland	86.58	85.70	0.177	65.73 ^b	62.72	0.084	81.86	83.05	0.364	89.60	88.63	0.202	88.59	87.91	0.320
Massachusetts	85.18	85.48	0.649	66.07	65.24	0.638	81.03	80.70	0.813	87.83	88.31	0.546	86.84	87.21	0.597
Michigan	87.02 ^a	85.31	0.000	65.15 ^a	61.98	0.016	83.34	81.98	0.145	90.11 ^a	88.45	0.002	89.14 ^a	87.55	0.001
Minnesota	83.16 ^a	81.21	0.018	61.11	59.60	0.429	79.03	76.65	0.115	86.38 ^a	84.43	0.047	85.39 ^a	83.39	0.024
Mississippi	88.50	87.77	0.187	65.59	63.98	0.394	85.63	84.68	0.459	91.88	91.28	0.342	90.97	90.34	0.271
Missouri	86.16	85.74	0.497	67.42	66.04	0.430	80.18	80.41	0.869	89.25	88.81	0.551	88.01	87.67	0.612
Montana	83.94 ^a	82.28	0.022	62.96	60.74	0.231	79.87 ^b	77.15	0.065	86.79 ^b	85.34	0.089	85.85 ^a	84.25	0.036

See notes at end of table.

(continued)

Table 10 Perceptions of Great Risk from Trying Heroin Once or Twice, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	83.76	84.57	0.230	62.77	62.72	0.974	79.75	80.52	0.600	87.15	88.06	0.262	86.03	86.94	0.214
Nevada	83.92	84.95	0.156	64.69	62.39	0.231	81.50	82.14	0.656	86.42 ^b	87.85	0.100	85.81 ^b	87.15	0.084
New Hampshire	87.88	88.19	0.594	67.14	65.41	0.321	83.73	85.22	0.276	90.60	90.86	0.693	89.69	90.13	0.470
New Jersey	87.73	87.51	0.677	68.32	66.82	0.345	85.34	85.91	0.595	90.26	90.03	0.716	89.63	89.51	0.839
New Mexico	85.82 ^a	84.03	0.010	66.96 ^b	63.83	0.091	82.76	82.37	0.766	88.60 ^a	86.70	0.028	87.78 ^a	86.10	0.027
New York	85.22 ^a	84.23	0.042	66.87	65.77	0.320	81.37	81.06	0.743	87.69 ^a	86.56	0.049	86.83 ^b	85.82	0.054
North Carolina	87.24 ^a	85.95	0.026	62.83	62.32	0.755	83.05	81.57	0.188	90.72 ^a	89.32	0.042	89.68 ^a	88.28	0.024
North Dakota	83.42	83.52	0.881	61.54	59.55	0.268	79.33	78.81	0.744	86.68	87.16	0.560	85.45	85.80	0.640
Ohio	88.61	88.55	0.878	68.59 ^b	66.44	0.096	86.00	86.64	0.442	91.32	91.35	0.953	90.59	90.71	0.787
Oklahoma	84.81	85.10	0.672	64.40	62.67	0.342	81.89	81.64	0.856	87.88	88.50	0.449	87.01	87.51	0.490
Oregon	82.29	82.46	0.847	61.94	62.36	0.824	76.77	78.22	0.358	85.18	85.08	0.924	84.10	84.22	0.894
Pennsylvania	87.76 ^a	86.64	0.008	66.36	64.76	0.197	83.86	83.00	0.366	90.59 ^a	89.44	0.023	89.70 ^a	88.60	0.015
Rhode Island	85.47	85.64	0.801	62.99	64.07	0.552	81.27	82.46	0.382	88.48	88.33	0.856	87.40	87.47	0.921
South Carolina	88.19	88.96	0.167	66.11	66.22	0.949	83.79	85.14	0.303	91.29	92.00	0.251	90.30	91.11	0.159
South Dakota	83.77 ^a	82.25	0.046	60.75	59.23	0.392	79.85 ^a	76.10	0.017	87.24	86.08	0.200	86.17 ^b	84.66	0.063
Tennessee	87.12	86.89	0.704	64.85	65.29	0.808	82.77	83.33	0.687	90.32	89.85	0.506	89.30	88.99	0.620
Texas	87.47 ^b	86.82	0.075	66.84	65.43	0.210	84.38	84.16	0.779	90.87	90.22	0.128	89.90	89.31	0.129
Utah	83.46	82.65	0.206	66.15 ^b	62.66	0.066	78.87	78.68	0.900	87.41	86.94	0.548	85.85	85.43	0.542
Vermont	85.61	85.54	0.917	62.92	63.80	0.618	81.52	81.70	0.893	88.47	88.22	0.769	87.45	87.27	0.813
Virginia	85.59	85.08	0.375	64.88	62.71	0.185	81.82	82.10	0.801	88.49	88.03	0.489	87.58	87.23	0.559
Washington	81.84	81.94	0.903	61.74	60.26	0.426	75.97	77.48	0.367	84.87	84.88	0.986	83.72	83.94	0.784
West Virginia	89.77	89.02	0.167	66.01	66.90	0.638	87.19	86.01	0.330	92.51	91.62	0.154	91.84	90.93	0.109
Wisconsin	86.64 ^b	85.49	0.075	63.62	60.86	0.127	82.41	81.67	0.590	89.94	88.87	0.164	88.89	87.88	0.142
Wyoming	86.18 ^a	83.66	0.000	64.67 ^a	59.66	0.010	81.03 ^b	78.44	0.073	89.48 ^a	87.27	0.004	88.35 ^a	86.10	0.001

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 11 Methamphetamine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	0.64 ^a	0.70	0.044	0.18	0.17	0.606	0.95 ^b	0.81	0.055	0.65 ^a	0.75	0.006	0.69 ^a	0.76	0.040
Northeast	0.36	0.41	0.187	0.15	0.16	0.850	0.48	0.52	0.601	0.36	0.42	0.216	0.38	0.43	0.188
Midwest	0.62 ^a	0.72	0.031	0.21	0.23	0.768	1.04	0.89	0.195	0.60 ^a	0.75	0.006	0.66 ^a	0.77	0.031
South	0.60	0.63	0.555	0.19	0.16	0.375	0.91 ^b	0.75	0.070	0.60	0.66	0.234	0.64	0.68	0.510
West	0.93	1.03	0.175	0.17	0.14	0.577	1.27	1.04	0.134	0.97 ^b	1.13	0.062	1.01	1.12	0.165
Alabama	1.11	1.14	0.866	0.33	0.22	0.217	1.59 ^b	1.06	0.076	1.13	1.26	0.526	1.19	1.23	0.824
Alaska	0.96 ^b	1.21	0.099	0.24	0.16	0.275	1.03	1.09	0.816	1.04	1.37	0.104	1.04 ^b	1.33	0.090
Arizona	1.27 ^a	1.74	0.038	0.20	0.17	0.705	1.87	1.40	0.234	1.30 ^a	1.98	0.015	1.38 ^a	1.90	0.037
Arkansas	0.89	0.91	0.895	0.31	0.24	0.400	1.55	1.10	0.189	0.86	0.96	0.524	0.96	0.98	0.855
California	0.89	0.95	0.481	0.14	0.10	0.474	1.01	0.82	0.342	0.95	1.07	0.317	0.96	1.04	0.461
Colorado	0.98	0.90	0.546	0.18	0.17	0.842	1.57	1.36	0.488	0.98	0.91	0.682	1.06	0.97	0.548
Connecticut	0.32	0.36	0.454	0.13	0.14	0.796	0.34	0.43	0.488	0.34	0.38	0.590	0.34	0.39	0.464
Delaware	0.70	0.63	0.505	0.19	0.15	0.441	0.85	0.71	0.472	0.73	0.66	0.633	0.74	0.67	0.524
District of Columbia	0.38	0.39	0.894	0.06	0.07	0.869	0.27	0.34	0.502	0.42	0.41	0.979	0.39	0.40	0.897
Florida	0.46	0.41	0.450	0.15	0.12	0.585	0.59	0.55	0.746	0.48	0.42	0.511	0.49	0.44	0.462
Georgia	0.50	0.55	0.603	0.19	0.14	0.365	0.60	0.57	0.812	0.53	0.60	0.539	0.54	0.59	0.567
Hawaii	0.96 ^b	1.30	0.088	0.18	0.07	0.103	0.91	0.93	0.949	1.05 ^b	1.48	0.078	1.03 ^b	1.42	0.079
Idaho	0.79	0.81	0.851	0.24	0.26	0.805	1.26	1.27	0.986	0.79	0.81	0.870	0.86	0.88	0.870
Illinois	0.36	0.38	0.654	0.13	0.14	0.849	0.33	0.30	0.752	0.39	0.43	0.619	0.38	0.41	0.663
Indiana	0.86	0.93	0.612	0.29	0.31	0.876	1.77	1.43	0.350	0.77	0.92	0.359	0.92	0.99	0.620
Iowa	0.86 ^b	1.11	0.060	0.22	0.29	0.521	1.39	1.07	0.294	0.84 ^a	1.22	0.022	0.92 ^b	1.20	0.063
Kansas	1.04	1.28	0.181	0.24	0.26	0.841	1.69	1.32	0.342	1.03 ^b	1.41	0.090	1.13	1.39	0.183
Kentucky	1.04	1.21	0.240	0.33	0.31	0.786	2.02	1.61	0.279	0.97	1.26	0.110	1.11	1.30	0.230
Louisiana	0.57 ^a	0.79	0.043	0.21	0.17	0.529	0.77	0.61	0.428	0.58 ^a	0.89	0.023	0.61 ^a	0.85	0.039
Maine	0.49	0.52	0.683	0.21	0.28	0.553	0.95	1.07	0.663	0.45	0.47	0.845	0.51	0.54	0.733
Maryland	0.28	0.31	0.553	0.11	0.11	0.987	0.32	0.35	0.744	0.30	0.33	0.598	0.30	0.33	0.549
Massachusetts	0.33	0.34	0.831	0.14	0.15	0.896	0.29	0.36	0.522	0.35	0.36	0.944	0.34	0.36	0.841
Michigan	0.39	0.38	0.815	0.19	0.18	0.989	0.59	0.57	0.875	0.38	0.37	0.849	0.41	0.39	0.809
Minnesota	0.91	0.78	0.260	0.24	0.22	0.815	1.49 ^a	0.83	0.025	0.90	0.83	0.655	0.98	0.83	0.264
Mississippi	0.79	0.95	0.218	0.23	0.19	0.575	1.13	0.79	0.148	0.80 ^b	1.07	0.098	0.85	1.03	0.204
Missouri	0.88	0.90	0.863	0.30	0.27	0.752	1.57	1.19	0.206	0.83	0.93	0.546	0.94	0.96	0.846
Montana	0.97 ^a	1.43	0.004	0.26	0.32	0.638	2.13	2.03	0.802	0.86 ^a	1.46	0.002	1.03 ^a	1.53	0.004

See notes at end of table.

(continued)

Table 11 Methamphetamine Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	0.67	0.60	0.395	0.18	0.22	0.595	1.44	1.04	0.184	0.60	0.57	0.800	0.72	0.64	0.367
Nevada	1.29	1.21	0.674	0.20	0.14	0.387	2.36 ^a	1.56	0.045	1.26	1.29	0.902	1.40	1.32	0.693
New Hampshire	0.55	0.44	0.148	0.25	0.26	0.932	0.97	1.01	0.857	0.52	0.38	0.131	0.58	0.46	0.131
New Jersey	0.29	0.37	0.129	0.11	0.13	0.695	0.22	0.38	0.153	0.32	0.40	0.252	0.31	0.40	0.135
New Mexico	0.92	0.81	0.406	0.16	0.10	0.300	1.62	1.30	0.408	0.90	0.82	0.613	1.00	0.88	0.424
New York	0.26	0.24	0.602	0.13	0.12	0.765	0.27	0.28	0.922	0.28	0.24	0.595	0.28	0.25	0.610
North Carolina	0.57	0.56	0.905	0.19	0.15	0.429	0.79	0.61	0.290	0.58	0.60	0.860	0.61	0.60	0.935
North Dakota	1.03	1.15	0.432	0.29	0.32	0.809	2.07	1.63	0.294	0.90	1.15	0.194	1.10	1.23	0.436
Ohio	0.46 ^a	0.84	0.000	0.22	0.26	0.635	0.71	0.97	0.196	0.45 ^a	0.89	0.000	0.48 ^a	0.90	0.000
Oklahoma	1.06	1.19	0.382	0.30	0.20	0.210	1.92	1.53	0.326	1.01	1.26	0.188	1.14	1.30	0.347
Oregon	1.00	1.26	0.150	0.24	0.25	0.895	1.65	1.38	0.388	0.99 ^b	1.35	0.093	1.07	1.35	0.152
Pennsylvania	0.53 ^a	0.71	0.015	0.19	0.22	0.686	0.98	0.95	0.849	0.49 ^a	0.72	0.011	0.56 ^a	0.75	0.016
Rhode Island	0.49	0.48	0.958	0.20	0.17	0.661	0.51	0.62	0.500	0.51	0.49	0.832	0.51	0.51	0.980
South Carolina	0.63	0.57	0.546	0.22	0.17	0.377	1.15	0.77	0.115	0.60	0.58	0.919	0.67	0.61	0.573
South Dakota	0.64	0.66	0.835	0.25	0.25	0.975	1.22	1.17	0.886	0.59	0.63	0.778	0.68	0.70	0.834
Tennessee	0.77 ^b	1.02	0.062	0.24	0.26	0.830	1.38	1.07	0.289	0.73 ^a	1.09	0.025	0.82 ^b	1.09	0.063
Texas	0.55	0.51	0.545	0.13	0.11	0.681	0.82	0.71	0.493	0.56	0.53	0.716	0.60	0.55	0.558
Utah	0.65 ^b	0.87	0.062	0.19	0.26	0.494	1.09	1.25	0.594	0.63 ^b	0.89	0.075	0.71 ^b	0.96	0.068
Vermont	0.60	0.68	0.316	0.25	0.28	0.792	1.00	1.05	0.826	0.56	0.66	0.359	0.63	0.72	0.325
Virginia	0.37	0.40	0.607	0.15	0.14	0.943	0.49	0.58	0.487	0.37	0.40	0.746	0.39	0.42	0.599
Washington	0.80	0.74	0.613	0.20	0.16	0.576	1.22	0.85	0.121	0.80	0.78	0.901	0.86	0.79	0.627
West Virginia	1.16	1.37	0.212	0.42	0.38	0.805	2.34	1.84	0.304	1.06	1.41	0.102	1.22	1.46	0.206
Wisconsin	0.71	0.82	0.311	0.21	0.25	0.606	1.28	1.11	0.578	0.67	0.84	0.209	0.76	0.88	0.326
Wyoming	0.59	0.62	0.695	0.22	0.31	0.463	1.17	1.24	0.811	0.54	0.57	0.815	0.62	0.66	0.756

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 12 Pain Reliever Misuse in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	3.85 ^a	3.58	0.000	2.93 ^a	2.53	0.001	6.32 ^a	5.33	0.000	3.56	3.43	0.114	3.94 ^a	3.69	0.001
Northeast	3.42 ^a	3.10	0.014	2.27 ^a	1.90	0.029	5.88 ^a	4.67	0.000	3.15	2.98	0.273	3.52 ^a	3.21	0.024
Midwest	3.92 ^a	3.62	0.004	2.87 ^b	2.58	0.055	6.49 ^a	5.47	0.000	3.62	3.44	0.165	4.03 ^a	3.72	0.009
South	3.92 ^a	3.67	0.012	3.10 ^a	2.73	0.015	6.51 ^a	5.42	0.000	3.61	3.51	0.417	4.00 ^a	3.76	0.030
West	4.01 ^b	3.78	0.074	3.17 ^a	2.59	0.002	6.19 ^a	5.53	0.028	3.75	3.64	0.466	4.09	3.90	0.166
Alabama	4.70	4.55	0.679	4.19	4.08	0.833	7.54	6.42	0.154	4.30	4.31	0.990	4.75	4.59	0.697
Alaska	4.64 ^b	3.99	0.063	2.83 ^a	2.06	0.026	6.34	5.20	0.121	4.60	4.04	0.211	4.84 ^b	4.20	0.098
Arizona	4.08	3.80	0.399	3.02	2.49	0.166	6.64	5.93	0.344	3.79	3.61	0.677	4.19	3.93	0.486
Arkansas	4.64 ^a	3.66	0.002	4.15 ^a	3.28	0.037	7.51	6.66	0.256	4.24 ^a	3.23	0.014	4.69 ^a	3.70	0.004
California	3.81	3.60	0.293	3.27 ^a	2.67	0.035	5.63	5.36	0.562	3.58	3.43	0.549	3.87	3.70	0.435
Colorado	4.59 ^a	3.94	0.034	3.02 ^a	2.17	0.022	7.46 ^a	5.80	0.022	4.32	3.86	0.235	4.75 ^b	4.12	0.062
Connecticut	3.73	3.31	0.139	2.34	2.12	0.503	7.04 ^a	4.85	0.002	3.35	3.20	0.683	3.86	3.43	0.159
Delaware	3.77	3.45	0.253	2.79	2.40	0.252	6.85 ^a	5.43	0.034	3.43	3.28	0.673	3.87	3.55	0.305
District of Columbia	4.20	4.16	0.916	3.78 ^a	2.50	0.031	5.30	4.36	0.194	4.02	4.24	0.600	4.22	4.26	0.920
Florida	4.28 ^a	3.69	0.008	3.03 ^a	2.40	0.022	5.81	5.04	0.120	4.19 ^a	3.64	0.039	4.39 ^a	3.80	0.015
Georgia	3.67	3.52	0.512	2.82	2.60	0.514	6.99 ^a	5.21	0.002	3.22	3.36	0.646	3.76	3.62	0.573
Hawaii	3.13	3.41	0.356	2.28	1.85	0.217	5.93	4.95	0.135	2.85	3.37	0.156	3.21	3.55	0.298
Idaho	4.47	4.10	0.267	3.51 ^b	2.76	0.056	5.64	5.43	0.774	4.41	4.07	0.433	4.58	4.26	0.388
Illinois	3.14	2.84	0.157	2.44	2.16	0.319	5.78 ^a	4.57	0.027	2.80	2.66	0.573	3.21	2.91	0.192
Indiana	4.49 ^a	3.80	0.024	2.94	3.06	0.775	6.86 ^b	5.57	0.068	4.27 ^b	3.58	0.085	4.65 ^a	3.87	0.022
Iowa	4.13	4.14	0.979	3.46	3.56	0.819	7.44 ^a	5.69	0.020	3.63	3.94	0.461	4.20	4.20	0.999
Kansas	3.93	3.75	0.544	2.87	2.55	0.354	7.25	6.30	0.198	3.49	3.46	0.949	4.05	3.89	0.618
Kentucky	4.29	4.14	0.614	3.32	2.73	0.139	6.32 ^b	5.19	0.080	4.08	4.14	0.888	4.39	4.28	0.743
Louisiana	4.27	3.85	0.172	3.05	2.52	0.164	6.01	4.97	0.126	4.14	3.83	0.440	4.40	3.98	0.230
Maine	3.63	3.27	0.228	2.19	2.02	0.598	6.94 ^a	5.47	0.037	3.34	3.10	0.519	3.75	3.37	0.245
Maryland	3.61	3.45	0.560	2.53	2.18	0.285	6.09 ^b	4.88	0.072	3.36	3.38	0.965	3.72	3.57	0.638
Massachusetts	3.62	3.24	0.151	2.60 ^a	1.88	0.024	5.16	4.27	0.136	3.46	3.20	0.443	3.71	3.36	0.220
Michigan	3.94	3.76	0.472	3.02	2.60	0.142	6.30	6.05	0.653	3.65	3.52	0.667	4.03	3.87	0.566
Minnesota	3.76	3.60	0.561	2.36	2.28	0.792	6.34	5.56	0.213	3.52	3.45	0.847	3.90	3.73	0.583
Mississippi	4.06	3.93	0.636	3.33	3.26	0.894	6.79 ^b	5.69	0.097	3.68	3.72	0.921	4.14	4.00	0.654
Missouri	4.20 ^b	3.70	0.079	3.05	2.74	0.410	6.47	5.95	0.457	3.97	3.46	0.167	4.32 ^b	3.80	0.099
Montana	4.03	4.27	0.493	2.77	2.69	0.837	7.32	6.49	0.295	3.65	4.09	0.302	4.15	4.41	0.482

See notes at end of table.

(continued)

Table 12 Pain Reliever Misuse in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017-2018)	12+ (2018-2019)	12+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)
Nebraska	3.68	3.31	0.173	3.26	2.93	0.392	6.86 ^b	5.65	0.055	3.17	2.95	0.515	3.72	3.35	0.213
Nevada	4.65 ^a	3.87	0.019	3.30	2.90	0.329	6.85	6.28	0.515	4.49 ^a	3.64	0.048	4.79 ^a	3.96	0.027
New Hampshire	3.87 ^b	3.38	0.090	2.58 ^a	1.94	0.050	5.83 ^b	4.77	0.099	3.70	3.31	0.289	3.98	3.50	0.128
New Jersey	3.32	2.99	0.182	2.26	1.89	0.226	5.04	4.41	0.309	3.18	2.90	0.373	3.42	3.09	0.230
New Mexico	3.78	3.71	0.812	3.21	2.94	0.488	7.13 ^b	5.74	0.053	3.30	3.48	0.655	3.84	3.79	0.877
New York	3.05	2.95	0.636	2.04	1.85	0.473	5.68 ^a	4.61	0.020	2.74	2.81	0.781	3.14	3.05	0.685
North Carolina	3.63	3.56	0.788	3.25 ^b	2.66	0.074	6.48 ^a	5.30	0.037	3.23	3.39	0.619	3.67	3.65	0.947
North Dakota	3.70	3.71	0.958	2.51	2.20	0.358	6.60 ^a	5.13	0.028	3.25	3.62	0.363	3.81	3.86	0.883
Ohio	4.20	3.95	0.322	2.87	2.51	0.211	6.66 ^a	5.53	0.050	3.97	3.87	0.748	4.34	4.10	0.384
Oklahoma	4.05	3.89	0.641	3.10	2.87	0.583	8.45 ^a	6.87	0.045	3.42	3.52	0.828	4.15	4.00	0.687
Oregon	4.53	4.56	0.958	3.35	3.08	0.550	7.79 ^b	6.39	0.070	4.18	4.44	0.596	4.64	4.69	0.915
Pennsylvania	3.72 ^a	3.17	0.021	2.38 ^b	1.91	0.075	6.62 ^a	4.99	0.001	3.42	3.03	0.184	3.84 ^a	3.29	0.031
Rhode Island	3.94 ^a	3.33	0.037	2.38	1.87	0.105	6.53 ^a	4.91	0.020	3.64	3.21	0.221	4.07 ^b	3.46	0.051
South Carolina	3.95	3.68	0.337	3.47	3.38	0.844	7.56 ^a	5.85	0.020	3.45	3.39	0.858	3.99	3.70	0.352
South Dakota	4.07 ^a	3.32	0.012	3.63 ^a	2.68	0.010	6.64 ^a	5.24	0.038	3.70	3.08	0.106	4.12 ^a	3.39	0.028
Tennessee	3.75	3.54	0.466	2.57	2.35	0.526	6.84 ^a	5.20	0.016	3.40	3.42	0.956	3.86	3.66	0.510
Texas	3.72	3.62	0.618	3.25	2.92	0.275	6.16 ^b	5.34	0.094	3.36	3.42	0.814	3.78	3.70	0.744
Utah	3.77	3.68	0.729	2.60 ^b	2.05	0.070	6.48 ^a	5.07	0.033	3.37	3.66	0.433	3.94	3.91	0.930
Vermont	3.80	3.52	0.319	2.61	2.35	0.427	7.07 ^a	5.44	0.011	3.35	3.30	0.895	3.90	3.61	0.353
Virginia	3.46	3.39	0.744	2.33	2.30	0.946	6.65	5.94	0.235	3.09	3.11	0.925	3.57	3.49	0.748
Washington	4.13	4.03	0.735	3.20 ^b	2.50	0.061	6.21	5.15	0.137	3.93	4.03	0.785	4.22	4.18	0.887
West Virginia	3.82 ^a	3.22	0.033	2.89	2.41	0.172	6.35	5.42	0.143	3.55	2.99	0.111	3.90 ^a	3.29	0.047
Wisconsin	4.21	3.87	0.256	3.22 ^a	2.57	0.050	6.69 ^a	5.08	0.021	3.92	3.83	0.813	4.30	4.00	0.350
Wyoming	3.85	3.44	0.149	3.10	2.99	0.764	7.32	6.54	0.286	3.41	3.02	0.288	3.93	3.49	0.162

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 13 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	51.37 ^b	50.92	0.051	9.43	9.19	0.286	55.73 ^a	54.72	0.018	55.57	55.15	0.135	55.59 ^a	55.09	0.047
Northeast	55.62 ^a	53.97	0.000	10.37	9.80	0.128	61.60 ^a	58.93	0.005	59.48 ^a	57.84	0.002	59.77 ^a	57.98	0.000
Midwest	54.10	54.07	0.944	9.94	9.62	0.339	59.96	59.29	0.431	58.39	58.47	0.868	58.61	58.58	0.945
South	47.65	48.03	0.257	9.15	8.89	0.391	51.31	51.11	0.808	51.65	52.18	0.181	51.61	52.03	0.259
West	51.76 ^a	50.55	0.004	8.78	8.90	0.735	54.62	53.30	0.162	56.38 ^a	54.99	0.005	56.13 ^a	54.76	0.003
Alabama	44.36	43.85	0.655	9.25	8.22	0.224	49.01	45.83	0.110	47.71	47.64	0.957	47.89	47.39	0.693
Alaska	51.83	51.83	0.997	8.96	8.73	0.779	53.85	53.48	0.854	56.99	57.00	0.995	56.56	56.53	0.982
Arizona	49.96	48.97	0.407	8.48	7.91	0.508	49.43	49.04	0.850	55.07	53.86	0.410	54.27	53.19	0.408
Arkansas	40.63	41.24	0.592	8.68	8.41	0.745	47.80	48.66	0.685	43.37	44.05	0.623	43.99	44.69	0.578
California	51.77 ^a	49.76	0.002	8.33	8.87	0.320	55.18	54.50	0.600	56.32 ^a	53.75	0.001	56.15 ^a	53.86	0.001
Colorado	61.45	60.03	0.197	10.54	10.69	0.879	64.98	62.49	0.184	66.81	65.30	0.261	66.56	64.92	0.177
Connecticut	62.10 ^b	60.03	0.086	12.60	11.24	0.240	68.43	65.61	0.167	66.68	64.59	0.160	66.92 ^b	64.73	0.097
Delaware	52.91 ^a	56.44	0.004	9.43	10.09	0.446	56.41	59.09	0.223	57.02 ^a	60.93	0.008	56.95 ^a	60.71	0.006
District of Columbia	66.67	65.97	0.531	8.74	9.26	0.576	70.80	70.56	0.913	69.78	68.93	0.519	69.93	69.17	0.520
Florida	50.74	50.84	0.904	10.12	9.10	0.106	52.42 ^a	49.56	0.033	54.48	55.03	0.551	54.24	54.40	0.851
Georgia	47.03	47.24	0.840	8.34	7.26	0.113	47.78	46.80	0.585	51.94	52.45	0.682	51.35	51.65	0.786
Hawaii	47.23	46.13	0.409	7.18	5.97	0.109	55.53 ^a	50.13	0.006	50.19	49.69	0.755	50.83	49.75	0.457
Idaho	45.23	46.40	0.305	7.84	7.94	0.912	47.11	49.48	0.236	50.17	51.24	0.454	49.73	50.99	0.325
Illinois	55.97	55.35	0.463	9.86 ^b	8.55	0.076	57.80	56.07	0.274	61.15	60.74	0.683	60.69	60.11	0.525
Indiana	50.30	49.51	0.470	9.25	9.16	0.915	59.99 ^a	55.79	0.041	53.79	53.47	0.809	54.70	53.80	0.459
Iowa	58.31	57.80	0.662	10.68	11.38	0.510	66.36	63.95	0.202	62.66	62.35	0.831	63.20	62.58	0.625
Kansas	54.93 ^a	52.43	0.024	10.40	10.30	0.913	59.61	58.66	0.628	59.90 ^a	56.81	0.028	59.85 ^a	57.08	0.026
Kentucky	39.97 ^a	43.28	0.004	9.93	9.62	0.737	45.76	48.20	0.222	42.56 ^a	46.42	0.006	43.00 ^a	46.66	0.004
Louisiana	50.01	48.03	0.103	10.97	9.93	0.293	56.37 ^b	52.53	0.072	53.71	51.92	0.225	54.08	52.00	0.121
Maine	55.77	55.77	0.995	11.15	10.36	0.404	63.36	60.07	0.101	58.99	59.44	0.756	59.50	59.52	0.986
Maryland	57.20	55.22	0.106	9.62	9.06	0.520	59.70	57.44	0.245	62.20	60.07	0.155	61.88	59.74	0.111
Massachusetts	61.68	60.42	0.290	12.64 ^b	10.83	0.086	68.42 ^a	64.06	0.027	65.62	64.88	0.609	66.02	64.76	0.327
Michigan	53.53	53.57	0.958	10.21	9.11	0.123	59.82	61.04	0.396	57.48	57.39	0.927	57.81	57.90	0.921
Minnesota	57.05 ^a	59.99	0.012	9.27 ^b	11.03	0.091	65.51	65.24	0.890	61.40 ^a	64.99	0.011	61.96 ^a	65.02	0.016
Mississippi	39.95	38.75	0.265	8.71	8.05	0.426	41.93	41.68	0.905	43.61	42.18	0.282	43.36	42.10	0.288
Missouri	49.02	49.51	0.684	10.68	9.19	0.131	53.29	53.95	0.742	52.82	53.48	0.651	52.88	53.55	0.613
Montana	57.94	57.64	0.811	13.33	11.64	0.127	62.04	62.94	0.660	62.09	61.76	0.827	62.08	61.92	0.904

See notes at end of table.

(continued)

Table 13 Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	56.79	55.40	0.223	9.53	9.97	0.658	62.51	60.76	0.366	61.90	60.36	0.285	61.98	60.41	0.213
Nevada	49.23 ^a	52.10	0.021	8.06	9.28	0.178	52.10	53.71	0.460	53.52 ^a	56.73	0.033	53.35 ^a	56.37	0.027
New Hampshire	63.26	62.54	0.559	11.66	10.86	0.445	69.03	68.89	0.941	67.66	66.75	0.539	67.84	67.03	0.541
New Jersey	52.53	52.83	0.771	11.01 ^b	9.40	0.076	58.89	58.64	0.898	56.32	56.89	0.648	56.66	57.11	0.684
New Mexico	46.29	45.04	0.293	9.79	8.26	0.111	50.23	48.25	0.358	50.14	48.99	0.434	50.15	48.89	0.339
New York	52.71 ^a	50.90	0.017	9.23	9.50	0.670	59.09 ^a	56.07	0.028	56.22 ^a	54.34	0.041	56.61 ^a	54.57	0.014
North Carolina	46.89 ^a	49.31	0.019	9.87	9.19	0.404	51.15 ^a	54.94	0.027	50.56 ^a	53.07	0.046	50.64 ^a	53.33	0.017
North Dakota	57.47	56.40	0.337	10.07	9.42	0.508	68.92	67.76	0.560	60.58	59.62	0.499	61.96	60.93	0.406
Ohio	50.92	51.31	0.638	9.60	9.63	0.970	56.79	57.61	0.562	54.81	55.13	0.753	55.08	55.46	0.674
Oklahoma	47.31 ^a	44.48	0.019	8.91	8.23	0.454	52.81	51.80	0.618	51.29 ^a	47.87	0.023	51.50 ^a	48.43	0.022
Oregon	57.30	57.48	0.875	10.59	10.70	0.911	60.80	58.34	0.226	61.62	62.13	0.705	61.52	61.66	0.912
Pennsylvania	55.70 ^a	52.35	0.000	9.31	9.18	0.839	59.48 ^a	56.15	0.031	60.04 ^a	56.31	0.001	59.97 ^a	56.30	0.000
Rhode Island	58.21	58.58	0.751	10.39	10.42	0.982	65.04	66.17	0.574	61.93	62.17	0.867	62.39	62.75	0.773
South Carolina	49.03	48.42	0.612	9.20	9.01	0.827	50.95	49.57	0.486	53.19	52.61	0.698	52.89	52.22	0.612
South Dakota	58.06 ^a	54.38	0.002	9.99	9.24	0.431	64.91 ^a	59.82	0.010	62.87 ^a	59.09	0.010	63.16 ^a	59.19	0.003
Tennessee	43.55	43.94	0.733	9.35	9.12	0.788	48.84	51.53	0.200	46.67	46.74	0.956	46.96	47.38	0.736
Texas	46.30 ^b	47.64	0.055	8.20	9.10	0.174	50.25	50.79	0.690	50.96 ^b	52.45	0.082	50.84 ^b	52.20	0.080
Utah	27.93	29.16	0.298	5.09	5.67	0.525	31.99	32.49	0.835	30.98	32.49	0.319	31.14	32.47	0.322
Vermont	62.44	60.89	0.194	15.21	13.58	0.166	70.49	67.67	0.138	65.64	64.25	0.339	66.34	64.74	0.216
Virginia	51.02	51.14	0.906	9.13	9.07	0.947	56.81	58.33	0.383	54.87	54.77	0.938	55.13	55.25	0.916
Washington	56.64	55.08	0.163	11.13	9.96	0.251	60.08 ^a	53.19	0.001	61.08	60.21	0.528	60.96	59.32	0.183
West Virginia	39.23	38.72	0.672	9.72	9.61	0.910	50.35	48.35	0.330	40.62	40.29	0.820	41.84	41.29	0.671
Wisconsin	59.56	59.93	0.741	10.46	11.11	0.537	66.17	66.35	0.926	64.16	64.49	0.807	64.44	64.75	0.803
Wyoming	48.90 ^a	51.99	0.010	10.36	9.68	0.454	54.70	57.92	0.117	52.56 ^a	56.13	0.015	52.85 ^a	56.37	0.007

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 14 Binge Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	24.49	24.21	0.135	4.97	4.78	0.210	35.89 ^a	34.58	0.001	24.95	24.82	0.588	26.45	26.15	0.142
Northeast	26.04 ^a	25.17	0.013	5.45	5.04	0.127	41.66 ^a	39.69	0.016	25.78 ^b	25.05	0.087	27.92 ^a	27.00	0.015
Midwest	26.57	26.44	0.668	5.38	5.01	0.103	39.74 ^a	37.74	0.005	26.94	27.15	0.580	28.73	28.61	0.719
South	22.96	23.15	0.459	4.73	4.57	0.438	31.97	31.45	0.421	23.71	24.05	0.282	24.83	25.05	0.454
West	23.96 ^a	23.24	0.032	4.68	4.74	0.815	34.40 ^b	33.03	0.071	24.55 ^b	23.85	0.097	25.92 ^a	25.11	0.028
Alabama	22.94	23.79	0.357	4.76	4.32	0.401	29.59	27.97	0.316	24.00	25.37	0.234	24.77	25.73	0.345
Alaska	23.18 ^b	24.84	0.062	4.85	4.61	0.659	33.54	33.68	0.937	23.86 ^b	26.01	0.057	25.20 ^b	27.05	0.062
Arizona	23.01 ^a	21.35	0.049	4.74	4.25	0.382	31.62	29.08	0.144	23.81	22.14	0.117	24.91 ^b	23.10	0.052
Arkansas	19.95	21.14	0.161	4.84	4.66	0.733	30.30	29.61	0.676	20.12	21.79	0.119	21.54	22.87	0.157
California	24.46 ^a	23.37	0.040	4.33	4.74	0.300	34.71	34.01	0.521	25.14 ^a	23.83	0.048	26.49 ^a	25.24	0.033
Colorado	30.04	28.91	0.235	5.84	5.48	0.596	41.79	40.26	0.421	30.99	29.83	0.333	32.47	31.24	0.241
Connecticut	29.17	28.07	0.289	6.20	5.42	0.281	46.97	47.60	0.768	28.90	27.49	0.270	31.41	30.25	0.307
Delaware	23.48	24.17	0.438	4.87	4.50	0.467	37.25	34.86	0.216	23.46	24.73	0.248	25.21	25.98	0.428
District of Columbia	36.83 ^b	34.80	0.074	4.34	4.32	0.972	53.39	50.26	0.174	35.95	34.05	0.168	38.66 ^b	36.52	0.075
Florida	22.89	22.34	0.383	5.17 ^a	4.19	0.021	32.30 ^a	29.94	0.039	23.35	23.09	0.731	24.42	23.89	0.443
Georgia	21.59	21.19	0.587	4.28	3.99	0.517	28.63	27.49	0.425	22.68	22.37	0.745	23.53	23.09	0.598
Hawaii	22.79	23.17	0.680	3.95	3.41	0.336	35.76 ^b	32.35	0.057	22.97	23.98	0.362	24.48	24.95	0.640
Idaho	21.67	22.20	0.537	4.83	4.79	0.938	30.19	30.80	0.732	22.62	23.22	0.592	23.69	24.28	0.546
Illinois	27.92	26.88	0.155	5.36 ^a	4.34	0.038	39.05 ^a	34.55	0.002	28.83	28.33	0.587	30.23	29.17	0.188
Indiana	24.43	25.54	0.172	5.06	4.93	0.815	37.01	34.56	0.199	24.70 ^b	26.57	0.070	26.51	27.73	0.172
Iowa	28.53	27.92	0.542	5.69	5.73	0.945	45.18 ^a	39.99	0.004	28.36	28.51	0.907	30.88	30.21	0.543
Kansas	26.75	26.44	0.744	5.95	5.86	0.899	38.77	37.93	0.666	27.33	27.10	0.847	29.05	28.71	0.748
Kentucky	20.47	21.59	0.191	5.59	5.22	0.560	30.01	31.89	0.256	20.69	21.86	0.272	21.97	23.23	0.180
Louisiana	26.15	25.91	0.798	5.32	4.89	0.467	35.19	32.72	0.164	27.23	27.37	0.904	28.33	28.10	0.827
Maine	22.33	22.03	0.740	5.83	5.31	0.443	38.54	36.37	0.220	21.79	21.76	0.982	23.71	23.41	0.757
Maryland	24.68	25.64	0.293	4.47	4.21	0.634	36.64	36.62	0.990	25.17	26.43	0.267	26.67	27.74	0.287
Massachusetts	30.64 ^a	28.44	0.019	6.54 ^a	4.98	0.032	47.49 ^a	43.47	0.038	30.27 ^b	28.31	0.096	32.77 ^a	30.49	0.026
Michigan	26.15	26.34	0.765	5.11	4.67	0.321	39.34	39.31	0.980	26.40	26.70	0.710	28.23	28.45	0.754
Minnesota	26.16	26.93	0.389	5.05	5.07	0.982	43.16	41.11	0.279	26.01	27.34	0.238	28.33	29.18	0.390
Mississippi	21.43	20.49	0.280	4.41	4.55	0.795	25.25	25.81	0.730	22.96	21.64	0.235	23.29	22.23	0.273
Missouri	24.14	24.06	0.930	5.64	5.02	0.340	34.12	34.22	0.955	24.71	24.68	0.980	26.00	25.97	0.974
Montana	27.23	27.43	0.847	6.89	5.99	0.234	41.64	41.88	0.900	27.16	27.50	0.784	29.12	29.42	0.788

See notes at end of table.

(continued)

Table 14 Binge Alcohol Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017-2018)	12+ (2018-2019)	12+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)
Nebraska	29.24	29.19	0.968	5.63	5.20	0.517	42.38	41.20	0.510	29.98	30.22	0.864	31.83	31.84	0.995
Nevada	22.98 ^a	24.84	0.040	4.26	4.46	0.723	31.32	32.45	0.525	23.93 ^b	26.09	0.058	24.85 ^a	26.87	0.043
New Hampshire	29.52	27.92	0.111	5.92	5.73	0.783	48.40	45.35	0.123	29.05	27.55	0.218	31.61	29.85	0.107
New Jersey	25.72	25.33	0.627	5.77	5.26	0.374	41.72	40.63	0.512	25.65	25.39	0.798	27.71	27.31	0.658
New Mexico	23.01 ^a	21.18	0.027	4.96	4.18	0.175	31.45	29.49	0.245	23.86 ^b	21.92	0.064	24.92 ^a	22.96	0.033
New York	23.79	23.25	0.370	4.93	4.91	0.971	38.51	37.50	0.430	23.42	22.93	0.503	25.48	24.88	0.357
North Carolina	21.61 ^a	23.85	0.005	5.59	5.23	0.536	31.34 ^a	34.64	0.033	21.97 ^a	24.32	0.015	23.24 ^a	25.71	0.004
North Dakota	31.62	30.56	0.276	5.66	5.44	0.751	48.54	46.91	0.412	31.19	30.29	0.466	34.07	32.98	0.306
Ohio	24.89	24.76	0.843	5.22	5.24	0.962	38.53	36.90	0.211	25.04	25.12	0.920	26.87	26.71	0.819
Oklahoma	23.42 ^a	21.39	0.020	5.08	4.97	0.857	34.79	32.14	0.157	23.85 ^a	21.69	0.049	25.43 ^a	23.19	0.021
Oregon	24.77	24.34	0.637	5.21	5.56	0.598	38.58 ^b	35.44	0.080	24.77	24.66	0.924	26.54	26.02	0.601
Pennsylvania	26.14	25.20	0.176	5.04	4.80	0.611	40.64 ^a	36.96	0.007	26.17	25.58	0.489	28.08	27.06	0.181
Rhode Island	27.55	27.26	0.765	5.22	4.80	0.503	43.06	42.59	0.817	27.12	26.90	0.859	29.50	29.20	0.779
South Carolina	26.72	26.33	0.678	4.91	4.32	0.309	34.57	32.67	0.300	27.96	27.82	0.906	28.83	28.45	0.711
South Dakota	29.63 ^a	26.40	0.001	6.17	5.47	0.320	44.89 ^b	41.53	0.067	29.99 ^a	26.51	0.006	32.12 ^a	28.63	0.001
Tennessee	19.91	20.96	0.238	5.14	5.07	0.908	27.07	29.71	0.118	20.49	21.43	0.399	21.38	22.53	0.239
Texas	23.86	24.14	0.604	4.02	4.58	0.193	31.35	31.00	0.761	25.32	25.67	0.625	26.22	26.45	0.702
Utah	15.02	16.23	0.111	3.84	4.06	0.702	23.01	23.46	0.796	15.19	16.74	0.122	16.60	17.94	0.118
Vermont	27.59	26.06	0.114	7.42	7.51	0.908	47.92	45.24	0.186	26.03	24.56	0.213	29.25	27.57	0.108
Virginia	22.80	22.79	0.999	4.77	4.64	0.788	36.84	36.08	0.621	22.63	22.77	0.874	24.56	24.57	0.996
Washington	21.74	21.58	0.854	5.57	4.88	0.271	35.07 ^a	29.87	0.004	21.51	22.17	0.539	23.27	23.15	0.899
West Virginia	20.28 ^b	18.90	0.091	5.38	5.29	0.887	33.93 ^b	30.81	0.074	19.83	18.59	0.211	21.60 ^b	20.10	0.092
Wisconsin	29.96	29.82	0.892	5.95	5.57	0.560	44.44	43.23	0.515	30.38	30.46	0.954	32.34	32.21	0.906
Wyoming	23.84	24.82	0.294	5.49	5.22	0.645	36.54	38.16	0.397	24.06	25.13	0.354	25.72	26.85	0.273

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Binge Alcohol Use is defined as drinking five or more drinks (for males) or four or more drinks (for females) on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 15 Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	44.78	44.83	0.845	43.39	43.11	0.414	37.69	38.02	0.368	46.08	46.10	0.952	44.92	45.00	0.758
Northeast	43.45 ^a	44.41	0.018	42.43	42.56	0.831	34.70	35.62	0.136	44.93 ^a	45.95	0.040	43.54 ^a	44.58	0.018
Midwest	40.24	40.29	0.890	40.30	39.68	0.250	33.26	33.88	0.237	41.38	41.40	0.969	40.24	40.35	0.761
South	47.06	46.83	0.475	45.55	45.41	0.780	40.81	40.22	0.245	48.23	48.03	0.612	47.22	46.98	0.492
West	46.14	45.91	0.544	43.32	42.79	0.373	38.95	39.95	0.113	47.64	47.22	0.365	46.43	46.22	0.623
Alabama	43.79 ^b	45.77	0.064	41.41 ^a	44.91	0.026	37.77	39.36	0.257	45.03	46.88	0.162	44.03	45.86	0.117
Alaska	42.61	41.16	0.175	41.25	40.20	0.500	35.95	37.35	0.369	43.86	41.88	0.131	42.76	41.27	0.199
Arizona	45.08	44.23	0.410	42.92	40.49	0.123	40.66	39.52	0.481	46.07	45.44	0.633	45.30	44.61	0.543
Arkansas	44.35	44.89	0.602	43.28	43.71	0.780	35.84	37.70	0.206	45.86	46.19	0.802	44.46	45.01	0.623
California	48.53	48.73	0.734	45.25	44.70	0.567	40.72	42.26	0.129	50.20	50.25	0.955	48.86	49.14	0.669
Colorado	43.31	43.90	0.571	41.98	41.44	0.715	35.34	36.73	0.360	44.73	45.30	0.657	43.45	44.14	0.537
Connecticut	43.12	44.67	0.177	43.58	43.34	0.883	33.35	34.90	0.274	44.65	46.38	0.224	43.08	44.80	0.166
Delaware	42.31	42.85	0.613	43.34	42.58	0.626	38.30	37.57	0.644	42.78	43.62	0.516	42.21	42.87	0.566
District of Columbia	43.23 ^a	45.34	0.045	49.35	49.15	0.903	36.90	37.10	0.896	44.00 ^a	46.57	0.043	42.89 ^a	45.12	0.043
Florida	48.58	48.18	0.581	45.69	46.09	0.723	42.06	42.42	0.748	49.73	49.14	0.494	48.82	48.36	0.544
Georgia	49.94	48.80	0.228	51.35	49.18	0.133	42.00	43.10	0.416	51.08	49.69	0.241	49.78	48.76	0.321
Hawaii	44.24	42.51	0.145	43.70	43.01	0.695	40.82	39.07	0.257	44.74	42.91	0.200	44.28	42.47	0.154
Idaho	43.76	42.53	0.241	40.91	40.25	0.682	34.82	35.84	0.509	45.64	43.94	0.195	44.10	42.80	0.255
Illinois	41.84	42.05	0.793	42.87	41.15	0.170	35.06	37.06	0.112	42.79	42.94	0.885	41.73	42.14	0.641
Indiana	40.16	41.03	0.389	38.52	40.04	0.337	33.68	33.91	0.877	41.48	42.37	0.487	40.33	41.13	0.467
Iowa	35.26	35.67	0.700	36.67	34.93	0.263	30.60	31.54	0.517	35.91	36.48	0.675	35.11	35.74	0.585
Kansas	39.95	41.21	0.256	40.97	40.32	0.686	34.21	35.09	0.561	40.84	42.40	0.273	39.84	41.31	0.231
Kentucky	45.27	43.49	0.105	41.67	42.23	0.735	36.00	36.25	0.867	47.18 ^b	44.78	0.075	45.63 ^b	43.62	0.090
Louisiana	44.94	44.96	0.987	42.84	44.23	0.403	40.46	40.94	0.770	45.91	45.67	0.844	45.16	45.03	0.905
Maine	39.47	40.91	0.216	37.96	38.35	0.798	28.56	30.97	0.101	41.02	42.40	0.322	39.59	41.12	0.218
Maryland	45.82	45.30	0.645	44.30	44.70	0.813	42.27 ^b	39.73	0.089	46.53	46.19	0.809	45.97	45.36	0.616
Massachusetts	40.37	42.12	0.108	39.50	40.61	0.450	32.62	34.07	0.310	41.78	43.63	0.174	40.44	42.25	0.125
Michigan	41.16	41.33	0.813	41.78	41.05	0.517	35.03	33.73	0.245	42.10	42.59	0.584	41.09	41.35	0.741
Minnesota	36.68	37.91	0.240	37.99	38.56	0.707	30.52	31.50	0.504	37.49	38.82	0.311	36.55	37.85	0.260
Mississippi	48.02	48.58	0.610	45.00	46.90	0.224	45.20	44.32	0.571	48.89	49.50	0.659	48.35	48.76	0.732
Missouri	40.97	39.86	0.290	40.24	39.95	0.855	34.53	33.84	0.640	42.08	40.78	0.317	41.04	39.85	0.293
Montana	38.10	38.04	0.950	36.86	36.22	0.684	33.53	33.16	0.790	38.95	38.98	0.983	38.22	38.20	0.991

See notes at end of table.

(continued)

Table 15 Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	39.04	38.05	0.357	39.32	37.49	0.254	31.21	31.95	0.619	40.39	39.19	0.376	39.01	38.12	0.444
Nevada	45.64	44.67	0.393	45.26 ^a	41.75	0.031	42.08	41.14	0.563	46.18	45.48	0.619	45.67	44.96	0.562
New Hampshire	37.53	37.22	0.769	36.09	36.11	0.987	29.29	29.49	0.883	38.93	38.48	0.724	37.66	37.32	0.764
New Jersey	47.45	47.92	0.626	45.30	45.64	0.827	39.19	38.49	0.618	48.90	49.53	0.596	47.66	48.14	0.646
New Mexico	49.56	49.81	0.823	43.24	44.56	0.424	42.77	44.44	0.305	51.44	51.30	0.923	50.23	50.36	0.913
New York	45.59	46.52	0.207	46.36 ^b	44.27	0.051	35.54	37.05	0.162	47.10	48.21	0.222	45.52	46.72	0.131
North Carolina	45.77	46.39	0.514	44.34	45.40	0.443	39.62	39.12	0.697	46.89	47.63	0.529	45.91	46.48	0.576
North Dakota	36.79 ^a	39.33	0.010	37.31	39.43	0.172	30.04	32.32	0.119	38.09 ^a	40.67	0.034	36.74 ^a	39.31	0.014
Ohio	41.89	41.24	0.386	41.83	40.17	0.141	32.50	33.78	0.230	43.37	42.52	0.357	41.89	41.34	0.495
Oklahoma	43.60	42.98	0.569	40.03	40.66	0.697	37.06	36.61	0.757	45.17	44.35	0.552	43.99	43.24	0.524
Oregon	41.38 ^b	39.43	0.064	36.43	36.15	0.859	30.15 ^b	33.03	0.066	43.53 ^a	40.68	0.027	41.82 ^b	39.72	0.062
Pennsylvania	40.48	41.51	0.159	36.82 ^a	39.90	0.008	33.34	34.12	0.467	41.95	42.78	0.351	40.81	41.66	0.281
Rhode Island	42.47	43.63	0.284	42.95	42.62	0.825	35.10	35.08	0.989	43.72	45.20	0.266	42.43	43.71	0.267
South Carolina	43.73	43.13	0.602	43.63	42.76	0.582	37.89	37.14	0.610	44.63	44.06	0.688	43.74	43.16	0.642
South Dakota	38.84	39.12	0.779	37.41	39.18	0.241	31.75	32.72	0.479	40.20	40.17	0.981	38.99	39.11	0.909
Tennessee	45.65	43.89	0.104	44.37	42.92	0.356	37.07	35.61	0.319	47.14	45.27	0.162	45.78	43.99	0.128
Texas	49.58	49.34	0.716	47.62	46.49	0.291	44.29 ^a	41.92	0.041	50.79	51.04	0.762	49.81	49.68	0.851
Utah	46.75	46.09	0.516	45.28	45.05	0.896	39.84	38.79	0.532	48.56	47.90	0.623	46.96	46.24	0.522
Vermont	39.63 ^b	37.74	0.074	38.38	36.25	0.169	30.75	29.96	0.576	41.29	39.21	0.115	39.73 ^b	37.86	0.099
Virginia	44.98	45.62	0.481	45.01	44.86	0.916	37.66	38.04	0.778	46.13	46.88	0.493	44.97	45.69	0.461
Washington	41.14	40.82	0.761	37.75	40.11	0.132	34.23	35.58	0.383	42.53	41.66	0.494	41.46	40.89	0.610
West Virginia	43.06	42.41	0.546	38.50	39.84	0.404	34.92	32.81	0.166	44.68	44.01	0.607	43.46	42.63	0.474
Wisconsin	38.47	37.74	0.492	36.21	36.68	0.752	30.91	31.52	0.682	39.96	38.86	0.408	38.69	37.85	0.462
Wyoming	41.19 ^a	38.85	0.030	40.84 ^b	37.95	0.054	33.48	33.07	0.785	42.41 ^b	39.84	0.055	41.22 ^b	38.95	0.054

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 16 Alcohol Use and Binge Alcohol Use in the Past Month among Individuals Aged 12 to 20, by State: Percentages and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	Alcohol Use in Past Month (2017-2018)	Alcohol Use in Past Month (2018-2019)	Alcohol Use in Past Month (P Value)	Binge Alcohol Use in Past Month (2017-2018)	Binge Alcohol Use in Past Month (2018-2019)	Binge Alcohol Use in Past Month (P Value)
Total U.S.	19.25 ^b	18.67	0.072	11.66 ^b	11.24	0.094
Northeast	22.01 ^a	20.33	0.000	13.93 ^a	12.83	0.004
Midwest	21.20	20.87	0.389	13.48	12.99	0.161
South	17.54	17.35	0.545	10.13	10.07	0.859
West	18.35 ^b	17.69	0.094	10.94	10.47	0.225
Alabama	18.85 ^a	15.53	0.000	10.91	9.77	0.110
Alaska	17.67	16.54	0.216	10.63	10.38	0.730
Arizona	17.19	16.53	0.458	10.30	9.61	0.328
Arkansas	16.84	17.15	0.732	10.09	10.22	0.852
California	18.09	17.64	0.466	10.81	10.38	0.437
Colorado	21.70	22.22	0.621	13.59	13.41	0.833
Connecticut	26.18	27.31	0.330	16.62 ^b	18.50	0.072
Delaware	17.72 ^a	20.59	0.005	10.20	11.03	0.273
District of Columbia	23.27	21.98	0.367	15.75 ^a	13.36	0.049
Florida	19.24	18.69	0.456	10.80	10.28	0.326
Georgia	15.95 ^b	14.39	0.051	9.05	8.28	0.178
Hawaii	15.88 ^a	13.54	0.011	9.98	9.17	0.271
Idaho	14.27	15.18	0.327	9.09	9.82	0.298
Illinois	19.84 ^a	17.90	0.013	12.97 ^a	10.93	0.002
Indiana	18.90 ^a	16.78	0.018	11.41	10.55	0.223
Iowa	24.26	24.82	0.621	15.56	15.37	0.837
Kansas	20.91	22.03	0.286	12.67 ^b	14.29	0.072
Kentucky	18.14	18.14	0.999	11.15	11.79	0.449
Louisiana	20.74	19.89	0.406	11.48	10.86	0.431
Maine	23.27	22.44	0.440	14.08	14.54	0.598
Maryland	19.01 ^a	16.43	0.005	10.20 ^b	9.19	0.096
Massachusetts	29.84 ^a	24.11	0.000	19.63 ^a	14.85	0.000
Michigan	22.66	21.95	0.365	13.99	13.03	0.160
Minnesota	21.90	23.63	0.130	14.05	13.96	0.921
Mississippi	14.48 ^b	16.00	0.091	8.31 ^b	9.47	0.094
Missouri	20.29	20.46	0.871	12.53	13.33	0.368
Montana	25.57	23.97	0.149	15.59	14.50	0.196

See notes at end of table.

(continued)

Table 16 Alcohol Use and Binge Alcohol Use in the Past Month among Individuals Aged 12 to 20, by State: Percentages and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	Alcohol Use in Past Month (2017-2018)	Alcohol Use in Past Month (2018-2019)	Alcohol Use in Past Month (P Value)	Binge Alcohol Use in Past Month (2017-2018)	Binge Alcohol Use in Past Month (2018-2019)	Binge Alcohol Use in Past Month (P Value)
Nebraska	21.26	22.61	0.174	14.64	14.49	0.862
Nevada	16.76	17.59	0.367	9.07	9.52	0.495
New Hampshire	23.47	23.15	0.786	15.28	14.75	0.598
New Jersey	22.04 ^a	19.85	0.013	13.94 ^b	12.63	0.071
New Mexico	18.11 ^a	16.17	0.045	10.06	9.48	0.423
New York	19.37	18.74	0.412	11.97	11.64	0.599
North Carolina	18.36	17.71	0.451	11.03	11.20	0.809
North Dakota	26.47	25.79	0.538	18.43	18.51	0.940
Ohio	20.38	21.23	0.256	13.25	13.53	0.637
Oklahoma	16.26 ^b	17.80	0.100	9.76	10.64	0.222
Oregon	21.73	20.76	0.376	13.42	12.54	0.271
Pennsylvania	18.67 ^a	17.04	0.048	11.77 ^b	10.71	0.096
Rhode Island	27.40	27.14	0.832	17.65	16.26	0.178
South Carolina	17.69	16.84	0.385	11.94	10.79	0.148
South Dakota	22.27	20.70	0.122	14.82	13.87	0.284
Tennessee	16.20	17.11	0.341	9.08 ^a	10.50	0.036
Texas	16.43	17.17	0.269	9.12	9.43	0.550
Utah	10.51	9.94	0.614	7.12	7.42	0.711
Vermont	31.51	31.66	0.913	20.75	21.21	0.707
Virginia	17.35	18.44	0.220	10.78	11.05	0.684
Washington	21.86 ^a	18.97	0.004	11.92 ^b	10.48	0.053
West Virginia	19.24	18.61	0.547	11.92	11.70	0.789
Wisconsin	23.65	23.20	0.682	14.96	14.40	0.557
Wyoming	21.10	20.36	0.467	12.67	12.10	0.449

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Binge Alcohol Use is defined as drinking five or more drinks (for males) or four or more drinks (for females) on the same occasion (i.e., at the same time or within a couple of hours of each other) on at least 1 day in the past 30 days.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 17 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	21.96 ^a	21.28	0.000	4.55 ^a	4.01	0.000	27.46 ^a	25.08	0.000	23.11 ^b	22.68	0.053	23.70 ^a	23.01	0.000
Northeast	20.30 ^a	19.28	0.005	4.18 ^a	3.59	0.002	27.70 ^a	24.53	0.000	20.85	20.12	0.103	21.77 ^a	20.71	0.006
Midwest	24.22	23.88	0.279	5.00 ^a	4.50	0.017	30.05 ^a	27.89	0.000	25.55	25.51	0.925	26.18	25.84	0.329
South	23.86 ^b	23.38	0.082	5.03 ^a	4.44	0.002	28.95 ^a	26.75	0.000	25.30	25.09	0.545	25.80	25.31	0.112
West	18.16 ^a	17.14	0.001	3.63 ^a	3.19	0.039	22.64 ^a	20.36	0.000	19.15 ^a	18.26	0.026	19.63 ^a	18.55	0.002
Alabama	29.78	28.92	0.409	7.34 ^a	5.31	0.002	33.79 ^b	30.64	0.071	31.75	31.36	0.764	32.03	31.27	0.503
Alaska	24.12	23.15	0.324	7.45	6.56	0.271	29.83 ^a	25.80	0.025	25.34	24.83	0.674	25.96	24.96	0.358
Arizona	20.96 ^a	18.84	0.032	3.29	2.93	0.402	25.73 ^a	21.49	0.009	22.31	20.31	0.102	22.80 ^a	20.47	0.033
Arkansas	30.72	29.15	0.137	7.53 ^a	5.47	0.004	32.52	30.89	0.385	33.26	31.76	0.252	33.16	31.64	0.191
California	15.12 ^a	14.10	0.023	2.73	2.56	0.568	18.76 ^a	17.04	0.030	15.97 ^b	14.97	0.072	16.37 ^a	15.26	0.024
Colorado	21.42	20.64	0.351	4.86	4.15	0.226	29.83 ^a	26.24	0.041	22.01	21.66	0.736	23.08	22.28	0.384
Connecticut	19.72	18.76	0.298	3.45	3.04	0.342	27.33 ^a	24.08	0.048	20.34	19.66	0.559	21.31	20.27	0.308
Delaware	23.59	22.60	0.317	4.94 ^b	4.04	0.089	27.40	25.59	0.280	25.02	24.12	0.459	25.32	24.31	0.349
District of Columbia	22.57 ^a	19.22	0.001	4.64 ^b	3.69	0.077	26.82 ^a	21.51	0.003	22.98 ^a	19.84	0.007	23.58 ^a	20.09	0.001
Florida	20.13	19.51	0.316	4.55 ^a	3.34	0.001	23.61 ^a	20.42	0.001	21.18	20.94	0.751	21.47	20.89	0.386
Georgia	23.27 ^a	21.32	0.015	4.36 ^b	3.64	0.088	29.03 ^a	21.97	0.000	24.78	23.49	0.190	25.38 ^a	23.28	0.017
Hawaii	16.12	17.30	0.204	2.76	2.20	0.141	22.25 ^a	18.83	0.024	16.65 ^b	18.64	0.081	17.31	18.66	0.186
Idaho	21.68 ^a	19.69	0.030	5.02 ^a	3.88	0.050	28.20 ^a	23.65	0.005	22.95	21.24	0.137	23.69 ^a	21.58	0.040
Illinois	20.55	20.15	0.548	3.86	3.46	0.274	24.83 ^a	21.78	0.007	21.85	21.85	0.999	22.26	21.85	0.573
Indiana	27.01	28.18	0.237	4.85	4.94	0.881	31.61	33.10	0.396	29.00	30.24	0.315	29.38	30.66	0.246
Iowa	25.51	25.16	0.719	4.45	4.95	0.384	32.17 ^a	27.16	0.002	26.89	27.26	0.772	27.68	27.24	0.687
Kansas	24.65	24.52	0.903	4.32 ^b	3.48	0.069	28.96 ^a	25.55	0.041	26.53	27.08	0.677	26.90	26.85	0.965
Kentucky	32.10	31.19	0.386	9.12 ^a	7.14	0.020	35.06	35.11	0.977	34.31	33.37	0.469	34.41	33.61	0.485
Louisiana	29.29	28.57	0.479	5.76	5.80	0.957	33.61 ^a	30.14	0.044	31.44	31.06	0.768	31.74	30.94	0.473
Maine	22.90 ^a	20.56	0.025	6.51 ^b	5.18	0.065	34.32 ^a	27.35	0.000	22.97	21.13	0.140	24.27 ^a	21.83	0.030
Maryland	18.84	19.69	0.307	4.26 ^b	3.46	0.076	24.51	24.30	0.891	19.64	20.83	0.247	20.27	21.28	0.272
Massachusetts	19.74 ^a	17.97	0.042	5.07 ^a	3.92	0.024	25.05 ^b	22.20	0.072	20.35	18.68	0.117	21.04 ^b	19.19	0.052
Michigan	24.30	24.00	0.672	5.00	4.50	0.253	28.74	28.75	0.995	25.79	25.44	0.687	26.20	25.90	0.690
Minnesota	21.71	20.96	0.383	4.73	4.48	0.647	31.83 ^a	26.41	0.001	22.15	22.07	0.943	23.46	22.65	0.400
Mississippi	31.45	30.57	0.438	7.40	7.08	0.703	33.18	32.11	0.531	34.23	33.32	0.516	34.07	33.14	0.455
Missouri	25.52	24.19	0.168	6.10	5.09	0.149	27.49	27.52	0.984	27.47	25.88	0.182	27.48	26.10	0.196
Montana	25.65 ^a	28.32	0.011	7.10	7.59	0.540	40.84	39.79	0.585	25.27 ^a	28.78	0.007	27.38 ^a	30.25	0.012

See notes at end of table.

(continued)

Table 17 Tobacco Product Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	24.37	22.98	0.176	3.89	4.04	0.747	33.48 ^a	28.70	0.004	25.42	24.43	0.458	26.63	25.06	0.174
Nevada	24.82 ^a	20.94	0.000	4.22	3.47	0.151	28.06 ^a	22.84	0.001	26.72 ^a	22.65	0.001	26.89 ^a	22.68	0.000
New Hampshire	20.71	19.95	0.427	5.49 ^a	3.97	0.007	32.11	29.79	0.211	20.52	20.08	0.703	22.05	21.34	0.486
New Jersey	19.03 ^a	16.03	0.000	3.59 ^b	2.96	0.097	28.32 ^a	21.38	0.000	19.42 ^a	16.74	0.010	20.56 ^a	17.32	0.001
New Mexico	24.42	23.83	0.565	5.47	5.08	0.619	30.48	31.36	0.648	25.76	24.91	0.503	26.42	25.79	0.579
New York	17.96	17.94	0.967	3.53	3.18	0.238	25.06 ^a	22.68	0.016	18.34	18.72	0.590	19.25	19.25	0.989
North Carolina	24.38	24.74	0.665	5.31	4.85	0.389	31.56 ^a	28.09	0.016	25.49	26.52	0.318	26.31	26.73	0.647
North Dakota	26.40	25.50	0.332	6.24	5.44	0.265	33.23	30.87	0.195	27.33	26.77	0.633	28.31	27.44	0.392
Ohio	26.74	27.00	0.720	6.39 ^b	5.50	0.058	34.65	33.06	0.195	27.86	28.53	0.456	28.78	29.14	0.658
Oklahoma	28.66	29.65	0.362	5.40	5.35	0.930	35.98	35.42	0.759	30.40	31.79	0.306	31.20	32.31	0.361
Oregon	21.03	20.71	0.732	4.60	4.49	0.834	29.97 ^a	26.43	0.030	21.41	21.55	0.904	22.51	22.16	0.728
Pennsylvania	24.73	23.98	0.271	4.89	4.36	0.234	31.67	29.77	0.121	25.78	25.17	0.472	26.56	25.77	0.290
Rhode Island	20.18	20.37	0.830	3.79	3.28	0.218	26.84	25.32	0.348	20.69	21.25	0.606	21.61	21.85	0.804
South Carolina	26.62	26.67	0.960	7.19 ^a	5.72	0.028	31.16	30.62	0.764	28.09	28.40	0.805	28.50	28.69	0.863
South Dakota	26.55 ^a	24.05	0.006	7.17 ^b	5.90	0.085	35.71 ^a	29.85	0.001	27.42 ^b	25.35	0.073	28.60 ^a	25.99	0.009
Tennessee	28.28	26.88	0.149	6.52	5.66	0.180	35.78	33.18	0.151	29.62	28.33	0.280	30.45	28.97	0.168
Texas	21.27	20.71	0.293	3.43	3.59	0.654	24.94	24.25	0.485	23.14	22.48	0.335	23.40	22.74	0.268
Utah	14.88	14.19	0.341	3.08	2.71	0.483	16.51	17.28	0.603	16.57	15.49	0.262	16.55	15.81	0.374
Vermont	24.20 ^b	22.50	0.082	7.27	6.75	0.496	37.16 ^a	31.64	0.003	23.60	22.44	0.332	25.60 ^b	23.78	0.086
Virginia	20.13 ^a	21.59	0.045	4.39	4.51	0.787	30.92	30.55	0.801	20.22 ^a	22.12	0.033	21.68 ^a	23.25	0.048
Washington	21.60	21.00	0.514	5.66 ^a	3.75	0.001	24.95 ^b	22.05	0.052	22.84	22.70	0.907	23.11	22.62	0.628
West Virginia	34.95	33.77	0.353	8.06	8.14	0.917	43.23 ^b	40.01	0.084	36.48	35.47	0.516	37.33	36.03	0.349
Wisconsin	23.36	22.16	0.193	4.55	3.81	0.125	30.53 ^a	25.46	0.003	24.37	23.74	0.574	25.22	23.97	0.214
Wyoming	27.13	27.49	0.738	6.77	7.19	0.595	38.50	38.14	0.853	27.79	28.29	0.703	29.22	29.59	0.752

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 2017-2018 and 2018-2019 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.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 18 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	17.52 ^a	16.91	0.000	2.93 ^a	2.50	0.000	20.73 ^a	18.34	0.000	18.71 ^b	18.35	0.081	18.99 ^a	18.35	0.001
Northeast	16.22 ^a	15.43	0.011	2.60 ^a	2.14	0.002	20.28 ^a	17.65	0.000	17.03	16.48	0.151	17.47 ^a	16.63	0.013
Midwest	19.43	18.96	0.102	3.35 ^a	2.94	0.013	22.67 ^a	20.37	0.000	20.81	20.63	0.614	21.07	20.59	0.123
South	18.95 ^a	18.43	0.033	3.22 ^a	2.79	0.010	21.72 ^a	19.21	0.000	20.39	20.15	0.454	20.57 ^a	20.02	0.043
West	14.53 ^a	13.79	0.005	2.30 ^a	1.87	0.006	17.79 ^a	15.69	0.000	15.45 ^b	14.88	0.095	15.77 ^a	14.99	0.007
Alabama	24.16	22.72	0.118	4.91 ^a	3.58	0.013	25.60 ^a	21.91	0.016	26.18	25.05	0.325	26.10	24.62	0.146
Alaska	17.24	17.47	0.764	4.32	3.85	0.400	22.21 ^b	19.55	0.061	18.09	18.86	0.415	18.66	18.95	0.730
Arizona	17.03 ^b	15.63	0.077	2.22	1.81	0.218	20.34 ^a	17.49	0.037	18.28	16.98	0.185	18.57 ^b	17.05	0.080
Arkansas	24.22 ^b	22.55	0.076	5.02 ^a	3.56	0.010	24.79	22.42	0.119	26.48	24.89	0.171	26.24	24.55	0.101
California	12.07	11.43	0.105	1.54	1.23	0.106	14.52 ^b	13.24	0.084	12.91	12.33	0.249	13.13	12.46	0.117
Colorado	17.10	16.32	0.300	3.61	3.01	0.240	24.00 ^a	19.28	0.002	17.57	17.38	0.840	18.45	17.64	0.326
Connecticut	15.06	13.90	0.133	1.83	1.53	0.252	19.67 ^a	15.82	0.002	15.81	14.98	0.383	16.35	15.10	0.136
Delaware	18.99 ^b	17.46	0.077	2.81 ^a	1.93	0.009	20.65 ^a	17.84	0.046	20.47	19.03	0.176	20.50 ^b	18.89	0.089
District of Columbia	19.01 ^a	16.28	0.002	2.43 ^a	1.70	0.027	21.48 ^a	16.60	0.001	19.66 ^a	17.19	0.017	19.94 ^a	17.10	0.002
Florida	16.34	15.48	0.104	2.85 ^a	2.10	0.009	16.87 ^a	14.09	0.001	17.58	16.94	0.328	17.50	16.62	0.125
Georgia	17.77 ^a	16.40	0.041	2.72	2.21	0.129	20.28 ^a	15.17	0.000	19.31	18.43	0.293	19.44 ^a	17.97	0.046
Hawaii	13.11	14.10	0.199	2.18 ^a	1.52	0.033	19.77 ^a	15.27	0.001	13.32 ^a	15.22	0.046	14.08	15.23	0.173
Idaho	17.18 ^a	15.62	0.039	3.75 ^a	2.87	0.049	22.99 ^a	17.44	0.000	18.11	17.10	0.284	18.80 ^a	17.15	0.049
Illinois	16.68	16.26	0.485	2.27	1.88	0.112	19.30 ^a	16.16	0.001	17.97	17.97	1.000	18.15	17.73	0.512
Indiana	22.01	22.45	0.629	3.47	3.38	0.859	24.96	25.12	0.917	23.84	24.37	0.641	24.00	24.48	0.633
Iowa	20.15	20.61	0.603	3.41	3.87	0.367	23.37 ^a	20.38	0.044	21.61	22.68	0.337	21.87	22.34	0.634
Kansas	19.03	18.27	0.346	2.84	2.32	0.124	20.96 ^a	16.92	0.004	20.80	20.59	0.831	20.82	20.04	0.376
Kentucky	25.83	25.08	0.393	5.80	4.67	0.107	27.74	25.93	0.244	27.86	27.31	0.618	27.85	27.12	0.451
Louisiana	22.24	22.07	0.845	3.47	3.35	0.801	25.07 ^a	22.05	0.042	24.06	24.32	0.810	24.20	24.01	0.850
Maine	19.30 ^a	17.24	0.018	5.20 ^a	3.99	0.049	26.68 ^a	21.06	0.000	19.67	17.99	0.101	20.48 ^a	18.34	0.022
Maryland	14.88	14.85	0.963	2.42 ^b	1.86	0.054	16.64	16.07	0.642	16.02	16.12	0.906	16.10	16.12	0.985
Massachusetts	15.92 ^b	14.47	0.052	2.91 ^a	2.22	0.034	18.70	16.70	0.130	16.80	15.35	0.115	17.07 ^b	15.54	0.058
Michigan	19.51	19.04	0.466	3.02	2.68	0.281	20.93	19.69	0.204	21.18	20.79	0.629	21.14	20.63	0.471
Minnesota	17.10	16.29	0.267	3.27	2.99	0.524	25.50 ^a	19.55	0.000	17.42	17.36	0.943	18.52	17.65	0.281
Mississippi	24.99	24.16	0.382	4.51	4.19	0.604	25.58 ^a	22.46	0.036	27.51	26.99	0.665	27.23	26.34	0.398
Missouri	21.01	19.72	0.116	4.37 ^b	3.41	0.060	21.47	21.94	0.741	22.88	21.26	0.111	22.69	21.36	0.138
Montana	19.42	20.83	0.119	5.12	5.58	0.511	31.04	28.79	0.177	19.13 ^b	21.24	0.053	20.75	22.25	0.128

See notes at end of table.

(continued)

Table 18 Cigarette Use in the Past Month, by Age Group and State: Percentages, Annual Averages, and *P* Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (<i>P</i> Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (<i>P</i> Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (<i>P</i> Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (<i>P</i> Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (<i>P</i> Value)
Nebraska	18.98	17.99	0.251	2.84	2.82	0.961	23.59 ^a	20.47	0.028	20.26	19.53	0.502	20.75	19.67	0.251
Nevada	20.02 ^a	16.96	0.000	2.79 ^b	2.03	0.052	21.95 ^a	16.41	0.000	21.71 ^a	18.72	0.003	21.74 ^a	18.44	0.000
New Hampshire	15.55	14.64	0.218	3.84 ^a	2.84	0.028	24.26 ^a	20.78	0.015	15.42	14.90	0.559	16.59	15.66	0.248
New Jersey	15.36 ^a	13.17	0.002	2.17 ^a	1.56	0.016	21.06 ^a	14.90	0.000	16.03 ^a	14.23	0.033	16.67 ^a	14.32	0.002
New Mexico	19.87	19.30	0.518	3.02	2.89	0.805	24.40	23.87	0.745	21.20	20.56	0.562	21.65	21.01	0.517
New York	14.65	14.51	0.773	2.13 ^b	1.75	0.083	18.10 ^a	16.07	0.018	15.40	15.57	0.783	15.77	15.63	0.803
North Carolina	19.45	19.83	0.606	3.10	2.93	0.658	23.68 ^a	19.26	0.000	20.70	21.87	0.204	21.11	21.52	0.607
North Dakota	20.26	19.46	0.315	4.56	4.01	0.343	25.49 ^a	21.64	0.012	21.01	20.83	0.858	21.75	20.95	0.360
Ohio	21.47	21.16	0.630	4.43 ^b	3.76	0.088	25.24	23.56	0.121	22.87	22.79	0.927	23.19	22.89	0.680
Oklahoma	22.91	23.68	0.410	4.27	4.27	1.000	29.03	27.10	0.233	24.26	25.59	0.251	24.95	25.80	0.411
Oregon	16.54	15.93	0.438	3.25	3.00	0.576	23.66 ^a	20.69	0.043	16.87	16.56	0.745	17.74	17.09	0.445
Pennsylvania	19.31	19.05	0.681	3.17	2.93	0.505	22.79	21.98	0.461	20.48	20.30	0.810	20.79	20.52	0.690
Rhode Island	16.65	16.30	0.653	2.55 ^b	1.99	0.084	20.76 ^a	18.20	0.046	17.38	17.43	0.956	17.88	17.54	0.685
South Carolina	21.64	21.26	0.660	4.92 ^a	3.78	0.037	24.65 ^b	22.03	0.082	23.04	23.08	0.977	23.26	22.94	0.738
South Dakota	19.50	18.61	0.306	4.88	4.07	0.143	24.22 ^a	20.65	0.014	20.52	20.08	0.686	21.05	20.16	0.352
Tennessee	21.35	20.72	0.482	4.34	3.94	0.477	25.19	24.06	0.468	22.71	22.12	0.592	23.04	22.37	0.495
Texas	17.19	16.67	0.280	2.24	2.19	0.869	19.66	18.22	0.105	18.86	18.42	0.476	18.98	18.39	0.273
Utah	12.24	11.45	0.221	1.98	1.82	0.668	13.51	13.28	0.866	13.74	12.72	0.223	13.68	12.81	0.230
Vermont	19.18 ^b	17.55	0.062	5.49	4.56	0.168	29.32 ^a	24.68	0.007	18.75	17.57	0.271	20.31 ^b	18.60	0.071
Virginia	15.51	16.51	0.114	2.78	2.79	0.998	23.13	21.32	0.148	15.75 ^a	17.31	0.045	16.76	17.85	0.114
Washington	17.58	17.02	0.490	3.57 ^a	2.43	0.008	19.55 ^b	16.96	0.073	18.81	18.60	0.828	18.91	18.39	0.558
West Virginia	27.73 ^b	25.86	0.078	5.82	5.48	0.624	32.17	30.72	0.403	29.31	27.22	0.108	29.67 ^b	27.66	0.081
Wisconsin	18.68	17.89	0.335	3.09	2.55	0.132	23.31 ^a	19.26	0.003	19.73	19.42	0.765	20.23	19.40	0.359
Wyoming	20.02	20.00	0.983	4.72	5.02	0.684	30.07	28.03	0.229	20.28	20.56	0.799	21.58	21.55	0.970

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 19 Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	71.73	71.52	0.303	66.27 ^a	65.16	0.002	67.04	66.86	0.613	73.11	72.98	0.602	72.27	72.15	0.572
Northeast	74.17	73.98	0.617	68.78 ^a	67.15	0.007	69.14	69.14	0.990	75.51	75.43	0.846	74.65	74.59	0.880
Midwest	68.28	67.87	0.212	64.08	63.45	0.215	63.36	62.99	0.492	69.57	69.17	0.308	68.70	68.31	0.268
South	71.32	70.98	0.203	65.87 ^a	64.77	0.014	66.46	66.39	0.868	72.73	72.42	0.320	71.87	71.60	0.346
West	73.62	73.80	0.623	67.17 ^a	65.96	0.031	69.68	69.40	0.669	75.02	75.40	0.354	74.27	74.58	0.414
Alabama	68.61	68.13	0.617	63.60	62.74	0.566	64.92	63.16	0.327	69.77	69.52	0.828	69.10	68.66	0.665
Alaska	68.75	67.81	0.333	64.26	62.96	0.402	61.10	61.17	0.969	70.56	69.45	0.348	69.24	68.33	0.391
Arizona	70.63	71.51	0.370	65.75	65.02	0.635	68.28	67.42	0.642	71.60	72.94	0.249	71.13	72.17	0.328
Arkansas	67.25	67.16	0.915	61.04	61.68	0.692	63.58	63.46	0.950	68.60	68.41	0.857	67.90	67.72	0.857
California	75.54	76.29	0.141	68.43	67.07	0.129	72.39	72.42	0.973	76.88 ^b	77.98	0.070	76.25 ^b	77.21	0.079
Colorado	73.55	72.46	0.204	65.62	64.80	0.586	68.31 ^b	65.43	0.084	75.30	74.43	0.401	74.34	73.22	0.226
Connecticut	75.13 ^b	76.62	0.072	68.78	68.25	0.726	71.55	72.63	0.503	76.42 ^b	78.18	0.076	75.75 ^b	77.42	0.061
Delaware	71.54	71.81	0.773	67.52 ^b	64.68	0.079	70.30 ^b	67.31	0.091	72.14	73.19	0.347	71.91	72.46	0.582
District of Columbia	75.83	75.38	0.603	65.31	64.45	0.572	71.83	70.81	0.553	77.26	76.93	0.738	76.42	75.99	0.639
Florida	75.97	75.38	0.343	69.76 ^a	67.29	0.013	71.85	70.41	0.186	77.13	76.81	0.656	76.50	76.06	0.508
Georgia	71.19	70.88	0.701	66.57	64.77	0.166	66.11	67.31	0.399	72.63	72.24	0.694	71.71	71.55	0.860
Hawaii	71.62 ^a	69.14	0.024	64.70	62.76	0.248	67.19 ^a	63.38	0.031	72.90 ^b	70.53	0.062	72.23 ^a	69.71	0.031
Idaho	70.74 ^a	68.71	0.029	67.28 ^a	63.65	0.016	61.90	63.15	0.488	72.69 ^a	70.32	0.038	71.15 ^b	69.30	0.073
Illinois	72.72	72.43	0.664	65.62	64.67	0.418	67.42	67.52	0.934	74.40	74.10	0.710	73.44	73.21	0.749
Indiana	67.02	66.95	0.938	63.98	64.05	0.967	63.76	63.20	0.754	67.96	67.95	0.991	67.34	67.26	0.929
Iowa	64.58	63.70	0.397	62.50	61.77	0.647	59.55	58.72	0.647	65.71	64.79	0.458	64.79	63.89	0.428
Kansas	67.97 ^b	66.36	0.081	65.52 ^a	62.28	0.039	63.67	61.96	0.370	69.04	67.66	0.206	68.23	66.81	0.153
Kentucky	64.11	64.39	0.770	59.77 ^b	62.47	0.091	57.80	60.34	0.147	65.63	65.25	0.742	64.55	64.58	0.975
Louisiana	68.01	69.27	0.186	61.70	63.10	0.371	63.56 ^a	67.37	0.039	69.49	70.30	0.467	68.67	69.91	0.230
Maine	69.76	70.77	0.308	65.29	66.88	0.266	64.11 ^b	67.02	0.095	70.90	71.59	0.545	70.12	71.08	0.363
Maryland	75.02 ^b	73.39	0.069	68.48	66.28	0.147	72.80 ^a	67.92	0.002	76.09	74.99	0.298	75.66	74.08	0.102
Massachusetts	73.55	74.14	0.499	69.13	68.67	0.757	68.43	68.27	0.922	74.88	75.68	0.439	73.94	74.61	0.469
Michigan	69.21 ^a	67.62	0.033	67.02 ^a	64.19	0.011	65.50 ^a	62.74	0.025	70.07	68.79	0.157	69.42 ^b	67.95	0.068
Minnesota	67.99	68.12	0.901	61.82	63.79	0.209	62.54	63.74	0.493	69.56	69.29	0.826	68.62	68.55	0.956
Mississippi	69.27 ^a	67.27	0.039	61.19	60.61	0.707	64.45	64.63	0.912	71.12 ^a	68.55	0.031	70.15 ^a	67.99	0.040
Missouri	65.92	65.85	0.945	63.10	62.74	0.806	61.03	61.15	0.943	67.02	66.94	0.945	66.19	66.16	0.970
Montana	69.75	69.77	0.979	62.72	63.26	0.744	62.30	64.22	0.270	71.66	71.32	0.753	70.39	70.37	0.980

See notes at end of table.

(continued)

Table 19 Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	66.30	66.21	0.930	61.04	60.91	0.932	61.82	60.03	0.277	67.76	67.97	0.857	66.87	66.79	0.941
Nevada	70.44 ^b	72.10	0.095	66.55	65.95	0.706	67.10	66.90	0.914	71.35 ^b	73.51	0.066	70.83 ^b	72.70	0.080
New Hampshire	72.12	71.89	0.803	67.65	66.20	0.326	66.34	65.22	0.545	73.45	73.43	0.987	72.51	72.37	0.890
New Jersey	76.98	77.16	0.815	71.79 ^a	68.98	0.032	70.02	71.58	0.259	78.59	78.88	0.748	77.49	77.96	0.572
New Mexico	72.68	71.52	0.226	62.23	63.12	0.566	66.46	67.54	0.568	74.97	73.16	0.116	73.78	72.39	0.180
New York	76.24	76.14	0.876	70.75 ^a	68.51	0.026	71.15	72.09	0.404	77.60	77.54	0.926	76.72	76.81	0.900
North Carolina	67.72	68.34	0.464	62.52	63.94	0.278	64.11	63.18	0.529	68.89	69.64	0.461	68.24	68.77	0.562
North Dakota	63.66	64.21	0.575	61.44	60.99	0.791	58.38	58.63	0.893	64.96	65.66	0.565	63.86	64.51	0.542
Ohio	67.19	67.42	0.755	62.26	62.48	0.843	60.88	62.06	0.318	68.76	68.81	0.951	67.68	67.90	0.779
Oklahoma	68.13 ^a	65.01	0.002	60.46	62.78	0.179	61.79	59.66	0.218	70.18 ^a	66.18	0.001	68.97 ^a	65.25	0.001
Oregon	72.80	73.32	0.571	65.54	66.22	0.641	68.43	69.61	0.476	74.18	74.57	0.725	73.45	73.95	0.617
Pennsylvania	69.87 ^a	68.43	0.046	64.20	62.96	0.261	65.99 ^a	63.30	0.030	71.05	69.77	0.138	70.39 ^b	68.93	0.061
Rhode Island	74.22	73.09	0.233	65.80	65.80	0.998	69.08	67.33	0.306	75.98	74.81	0.301	74.95	73.71	0.221
South Carolina	69.32 ^b	67.47	0.065	65.16	62.78	0.123	62.97	63.06	0.958	70.74 ^b	68.64	0.079	69.72 ^b	67.92	0.094
South Dakota	66.57	64.94	0.102	64.12	63.65	0.758	61.22	59.83	0.459	67.76	65.94	0.127	66.83	65.07	0.104
Tennessee	68.01	68.94	0.311	62.87	64.66	0.232	62.69	64.63	0.273	69.42	70.07	0.543	68.52	69.35	0.396
Texas	72.18	72.15	0.959	67.23 ^a	64.74	0.013	66.79	67.63	0.454	73.82	73.96	0.830	72.77	73.02	0.673
Utah	74.10 ^a	72.20	0.027	71.25 ^a	65.42	0.000	69.03	69.13	0.956	75.72	74.04	0.112	74.50	73.15	0.149
Vermont	72.00	71.64	0.706	66.03	65.78	0.865	66.63	66.53	0.952	73.50	73.06	0.697	72.49	72.11	0.711
Virginia	74.12	73.93	0.815	69.50	68.23	0.314	68.60	68.65	0.971	75.50	75.39	0.902	74.56	74.48	0.922
Washington	70.77	69.85	0.356	65.00	65.01	0.994	64.72	63.90	0.645	72.28	71.23	0.367	71.31	70.30	0.343
West Virginia	64.82 ^a	62.26	0.015	64.35 ^b	61.65	0.097	60.26 ^b	57.28	0.094	65.52 ^a	63.02	0.047	64.86 ^a	62.31	0.024
Wisconsin	66.87	66.59	0.788	64.14	63.87	0.853	62.08	61.72	0.842	67.95	67.66	0.820	67.13	66.85	0.802
Wyoming	66.97	66.92	0.958	61.19	61.65	0.773	58.61	60.25	0.355	68.93	68.55	0.743	67.55	67.46	0.925

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 20 Illicit Drug Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	2.86 ^a	2.99	0.040	2.85 ^a	3.16	0.016	7.48	7.54	0.726	2.13 ^b	2.25	0.061	2.87	2.97	0.101
Northeast	2.87	2.98	0.242	2.66	2.92	0.199	7.83	8.00	0.618	2.12	2.22	0.327	2.89	2.99	0.337
Midwest	2.84 ^b	2.99	0.087	2.85 ^a	3.28	0.017	7.45	7.61	0.569	2.09	2.21	0.205	2.84	2.96	0.207
South	2.70	2.62	0.328	2.72	2.85	0.395	6.98	6.68	0.230	2.01	1.96	0.512	2.69	2.60	0.235
West	3.15 ^a	3.58	0.000	3.21 ^a	3.72	0.043	8.02	8.52	0.183	2.35 ^a	2.78	0.001	3.14 ^a	3.57	0.001
Alabama	3.14	3.05	0.666	2.73	2.55	0.692	8.20	7.71	0.576	2.38	2.38	0.971	3.18	3.10	0.714
Alaska	3.44	3.72	0.318	3.49	3.76	0.633	7.95	8.77	0.381	2.71	2.93	0.502	3.44	3.71	0.357
Arizona	2.76 ^b	3.16	0.059	2.69 ^b	3.56	0.094	7.15	7.92	0.395	2.04	2.34	0.184	2.76	3.12	0.120
Arkansas	3.06 ^a	2.62	0.027	3.09	2.90	0.696	7.61	6.62	0.158	2.32 ^b	1.94	0.088	3.06 ^a	2.59	0.030
California	2.96 ^a	3.63	0.000	3.10	3.65	0.124	7.45 ^b	8.53	0.053	2.20 ^a	2.85	0.000	2.94 ^a	3.63	0.000
Colorado	4.71	5.00	0.399	4.00	4.70	0.360	12.63	11.68	0.449	3.54	4.00	0.242	4.78	5.03	0.498
Connecticut	3.21 ^a	2.72	0.029	2.83	2.64	0.706	9.66 ^b	8.00	0.081	2.21	1.90	0.202	3.25 ^a	2.73	0.032
Delaware	3.38	3.35	0.928	3.32	3.60	0.594	8.42	8.50	0.941	2.65	2.61	0.866	3.38	3.33	0.849
District of Columbia	4.83	4.99	0.669	4.22	4.64	0.498	9.83	8.92	0.362	3.95	4.31	0.395	4.86	5.01	0.710
Florida	2.89 ^a	2.51	0.009	3.40	3.11	0.420	7.59	6.80	0.153	2.21 ^a	1.89	0.042	2.85 ^a	2.46	0.013
Georgia	2.77	2.50	0.108	2.47	2.53	0.876	7.37	6.50	0.181	2.04	1.84	0.264	2.80 ^b	2.49	0.090
Hawaii	2.49 ^a	3.11	0.010	2.89	2.86	0.934	6.60	7.56	0.272	1.91 ^a	2.57	0.013	2.46 ^a	3.14	0.008
Idaho	2.45	2.67	0.269	2.82	3.30	0.299	5.33	6.47	0.151	1.92	1.96	0.854	2.41	2.60	0.375
Illinois	2.83	3.05	0.200	2.84	3.47	0.107	8.00	7.85	0.833	2.01	2.25	0.205	2.83	3.01	0.340
Indiana	2.96 ^a	3.49	0.016	2.67 ^b	3.52	0.090	7.72	8.14	0.601	2.18 ^a	2.69	0.036	3.00 ^a	3.49	0.036
Iowa	2.68	2.88	0.293	2.69	3.37	0.187	6.76	6.65	0.886	1.95	2.16	0.292	2.68	2.83	0.463
Kansas	2.35	2.56	0.272	2.38	2.80	0.282	5.97	6.75	0.326	1.70	1.79	0.663	2.34	2.53	0.371
Kentucky	3.01	3.15	0.494	3.10	3.31	0.671	6.80	6.70	0.888	2.39	2.57	0.437	3.00	3.14	0.546
Louisiana	2.85	2.84	0.966	2.45	2.45	0.987	6.80	6.45	0.649	2.27	2.33	0.819	2.89	2.88	0.963
Maine	3.51	3.62	0.691	3.48	3.80	0.562	9.83	9.75	0.938	2.70	2.83	0.670	3.52	3.60	0.758
Maryland	2.63	2.72	0.633	2.58	3.02	0.373	7.74	8.01	0.759	1.87	1.91	0.838	2.63	2.69	0.776
Massachusetts	3.43	3.37	0.817	2.92	3.30	0.464	8.65	8.72	0.936	2.59	2.48	0.678	3.47	3.38	0.719
Michigan	2.84	2.76	0.606	2.79	3.02	0.507	7.58	7.89	0.617	2.07	1.90	0.357	2.85	2.73	0.511
Minnesota	2.75	2.78	0.905	3.15	3.42	0.558	6.99	7.25	0.737	2.05	2.01	0.864	2.71	2.71	0.983
Mississippi	2.70	2.65	0.764	2.53	2.56	0.942	6.12	5.92	0.766	2.14	2.11	0.886	2.72	2.66	0.748
Missouri	2.60	2.85	0.192	2.70	3.23	0.245	6.63	7.33	0.357	1.95	2.11	0.429	2.59	2.82	0.278
Montana	3.26	3.46	0.438	3.56	4.08	0.389	8.58	7.87	0.382	2.40	2.71	0.274	3.24	3.40	0.552

See notes at end of table.

(continued)

Table 20 Illicit Drug Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	2.63	2.55	0.686	2.51	2.74	0.594	7.28	6.97	0.689	1.82	1.76	0.742	2.64	2.53	0.588
Nevada	4.00	4.37	0.279	3.92	4.69	0.272	10.93	9.96	0.416	3.03	3.56	0.163	4.01	4.34	0.366
New Hampshire	3.00	2.91	0.665	3.28	3.32	0.935	7.88	8.15	0.752	2.23	2.09	0.521	2.97	2.87	0.650
New Jersey	2.53	2.66	0.408	2.53	2.51	0.959	6.89	7.79	0.223	1.89	1.94	0.772	2.53	2.68	0.394
New Mexico	3.02	2.95	0.730	3.70	4.28	0.387	7.79	7.43	0.690	2.17	2.07	0.704	2.95	2.81	0.550
New York	2.78	3.01	0.150	2.50	2.91	0.236	7.95	7.75	0.742	1.99 ^b	2.28	0.081	2.81	3.01	0.215
North Carolina	2.88	2.87	0.973	2.86	3.12	0.519	7.54	7.60	0.937	2.15	2.11	0.826	2.88	2.85	0.862
North Dakota	2.76	3.00	0.298	2.72	3.02	0.552	6.92	7.09	0.817	1.94	2.20	0.301	2.77	2.99	0.343
Ohio	3.26	3.45	0.315	3.21	3.49	0.468	8.27	8.23	0.957	2.48	2.71	0.288	3.26	3.45	0.377
Oklahoma	2.94	2.84	0.704	2.98	3.18	0.696	7.67	6.77	0.264	2.13	2.15	0.955	2.93	2.81	0.634
Oregon	3.40	3.60	0.439	3.42	4.40	0.102	9.03	8.69	0.695	2.58	2.79	0.451	3.40	3.53	0.640
Pennsylvania	2.69	2.92	0.160	2.57	2.88	0.378	6.80	7.76	0.136	2.08	2.20	0.492	2.70	2.92	0.207
Rhode Island	3.10	3.04	0.772	2.99	3.40	0.448	8.56	8.32	0.783	2.14	2.09	0.811	3.11	3.00	0.649
South Carolina	2.72 ^b	2.35	0.051	2.82	2.96	0.770	7.16	6.19	0.205	2.03	1.71	0.110	2.71 ^a	2.29	0.038
South Dakota	3.03 ^a	2.38	0.005	3.11	3.16	0.927	7.95 ^a	6.33	0.033	2.19 ^a	1.63	0.031	3.02 ^a	2.30	0.004
Tennessee	2.78	2.81	0.871	2.96	3.06	0.829	6.82	6.53	0.716	2.13	2.21	0.697	2.76	2.78	0.905
Texas	2.17	2.21	0.725	2.24	2.52	0.343	5.79	5.54	0.647	1.51	1.58	0.595	2.16	2.17	0.905
Utah	2.49 ^b	2.89	0.060	2.29	2.70	0.299	5.70	6.75	0.199	1.81	2.06	0.268	2.52 ^b	2.91	0.091
Vermont	4.06	4.00	0.822	4.38	4.57	0.766	10.54	9.95	0.583	2.91	2.93	0.950	4.03	3.95	0.781
Virginia	2.54 ^a	2.98	0.022	2.53	3.14	0.151	6.88 ^b	8.30	0.068	1.86	2.13	0.176	2.54 ^a	2.96	0.038
Washington	3.46	3.14	0.179	3.83	3.39	0.437	9.14	8.06	0.224	2.58	2.40	0.497	3.43	3.12	0.233
West Virginia	2.88	2.75	0.516	3.18	3.35	0.736	7.37	7.61	0.782	2.21	2.00	0.361	2.85	2.69	0.469
Wisconsin	2.63	2.57	0.767	2.75	2.91	0.722	6.64	6.83	0.799	1.96	1.86	0.573	2.61	2.54	0.702
Wyoming	2.42	2.27	0.394	2.97	3.22	0.627	6.35	6.54	0.802	1.75	1.51	0.191	2.36	2.17	0.296

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Illicit Drug Use Disorder is defined as meeting criteria for illicit drug 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)*.

NOTE: Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 21 Pain Reliever Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	0.62 ^a	0.56	0.034	0.41	0.38	0.567	0.86 ^a	0.65	0.000	0.60	0.56	0.233	0.64 ^a	0.57	0.039
Northeast	0.59 ^a	0.49	0.021	0.38	0.38	0.915	0.81 ^a	0.62	0.018	0.58 ^b	0.48	0.074	0.61 ^a	0.50	0.022
Midwest	0.65	0.59	0.180	0.42	0.41	0.955	0.91 ^a	0.66	0.003	0.64	0.60	0.516	0.68	0.61	0.182
South	0.63 ^a	0.55	0.038	0.38	0.38	0.976	0.92 ^a	0.67	0.001	0.61	0.56	0.202	0.65 ^a	0.57	0.035
West	0.59	0.58	0.838	0.46	0.37	0.146	0.76	0.66	0.207	0.58	0.60	0.735	0.60	0.60	0.997
Alabama	0.77	0.75	0.868	0.44	0.41	0.779	1.12	0.77	0.147	0.75	0.78	0.838	0.80	0.78	0.887
Alaska	0.58	0.52	0.512	0.48	0.36	0.270	0.76	0.74	0.898	0.56	0.51	0.637	0.59	0.54	0.605
Arizona	0.64	0.55	0.344	0.44	0.38	0.530	0.87	0.72	0.331	0.62	0.55	0.524	0.66	0.57	0.385
Arkansas	0.71 ^a	0.50	0.015	0.41	0.38	0.733	1.08	0.80	0.131	0.69 ^b	0.46	0.064	0.74 ^a	0.51	0.021
California	0.52	0.58	0.297	0.47	0.36	0.186	0.61	0.59	0.865	0.51	0.60	0.196	0.53	0.60	0.224
Colorado	0.68	0.60	0.379	0.38	0.36	0.809	1.14 ^a	0.80	0.046	0.64	0.60	0.718	0.71	0.62	0.399
Connecticut	0.58	0.48	0.273	0.37	0.38	0.899	0.88 ^b	0.60	0.097	0.56	0.47	0.478	0.60	0.49	0.282
Delaware	0.72	0.58	0.203	0.41	0.39	0.847	0.88	0.66	0.190	0.74	0.59	0.320	0.75	0.60	0.213
District of Columbia	0.73	0.97	0.148	0.47	0.44	0.852	0.62	0.51	0.530	0.77	1.09	0.125	0.75	1.00	0.147
Florida	0.80	0.75	0.522	0.43	0.37	0.521	0.94	0.77	0.270	0.81	0.78	0.727	0.83	0.78	0.557
Georgia	0.55	0.52	0.761	0.33	0.37	0.649	0.93	0.68	0.118	0.52	0.52	0.979	0.58	0.54	0.727
Hawaii	0.49	0.56	0.524	0.52	0.33	0.162	0.52	0.54	0.920	0.48	0.59	0.454	0.48	0.58	0.440
Idaho	0.81 ^a	0.62	0.046	0.50	0.41	0.331	0.96	0.80	0.449	0.83	0.62	0.112	0.85 ^b	0.65	0.065
Illinois	0.47	0.44	0.671	0.39	0.42	0.732	0.74 ^b	0.53	0.090	0.44	0.43	0.940	0.48	0.45	0.646
Indiana	0.73	0.68	0.727	0.42	0.46	0.738	1.07 ^b	0.69	0.072	0.71	0.71	0.973	0.76	0.71	0.708
Iowa	0.69	0.61	0.461	0.44	0.42	0.860	0.94	0.67	0.138	0.67	0.63	0.725	0.71	0.63	0.479
Kansas	0.64	0.59	0.665	0.41	0.37	0.728	0.96	0.86	0.620	0.61	0.58	0.807	0.66	0.62	0.695
Kentucky	0.87	0.81	0.667	0.49	0.48	0.919	1.12	0.73	0.113	0.87	0.86	0.975	0.90	0.85	0.677
Louisiana	0.62	0.67	0.678	0.34	0.39	0.617	1.01 ^b	0.67	0.095	0.59	0.71	0.476	0.65	0.70	0.713
Maine	0.82	0.70	0.319	0.43	0.40	0.805	1.31 ^a	0.83	0.046	0.79	0.71	0.592	0.85	0.73	0.334
Maryland	0.54	0.43	0.220	0.38	0.43	0.632	0.71	0.50	0.138	0.53	0.42	0.331	0.56	0.43	0.218
Massachusetts	0.71	0.60	0.306	0.43	0.38	0.607	0.80	0.61	0.287	0.72	0.62	0.466	0.73	0.62	0.333
Michigan	0.63 ^a	0.44	0.014	0.42	0.41	0.981	0.83	0.63	0.191	0.62 ^a	0.41	0.042	0.65 ^a	0.44	0.016
Minnesota	0.52	0.40	0.139	0.39	0.38	0.956	0.77	0.59	0.156	0.50	0.37	0.244	0.54	0.40	0.150
Mississippi	0.66 ^a	0.48	0.044	0.34	0.37	0.789	1.08 ^b	0.67	0.051	0.63	0.46	0.155	0.70 ^a	0.49	0.047
Missouri	0.70 ^a	0.49	0.022	0.39	0.43	0.723	0.96 ^b	0.63	0.052	0.70 ^b	0.48	0.070	0.74 ^a	0.50	0.024
Montana	0.73	0.68	0.678	0.42	0.39	0.779	1.14	0.82	0.170	0.69	0.69	0.965	0.75	0.71	0.698

See notes at end of table.

(continued)

Table 21 Pain Reliever Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	0.61 ^b	0.48	0.096	0.38	0.38	0.916	1.00 ^a	0.71	0.048	0.58	0.45	0.245	0.64	0.49	0.104
Nevada	0.73	0.58	0.183	0.50	0.42	0.516	0.91	0.79	0.568	0.73	0.57	0.284	0.75	0.60	0.217
New Hampshire	0.68	0.57	0.228	0.42	0.39	0.726	1.04	0.76	0.137	0.66	0.55	0.415	0.71	0.58	0.245
New Jersey	0.56	0.46	0.228	0.40	0.38	0.867	0.68	0.51	0.220	0.56	0.46	0.364	0.57	0.47	0.243
New Mexico	0.54	0.51	0.708	0.44	0.36	0.480	0.85	0.70	0.334	0.50	0.50	0.991	0.55	0.52	0.787
New York	0.52 ^b	0.41	0.086	0.37	0.38	0.904	0.70 ^b	0.50	0.085	0.51	0.40	0.195	0.53 ^b	0.42	0.092
North Carolina	0.59	0.55	0.630	0.39	0.41	0.789	0.88	0.71	0.281	0.56	0.54	0.811	0.61	0.56	0.619
North Dakota	0.61	0.75	0.288	0.38	0.38	0.970	1.00	0.80	0.264	0.56	0.78	0.187	0.64	0.78	0.289
Ohio	0.90	1.05	0.233	0.46	0.40	0.580	1.07	0.79	0.219	0.92	1.17	0.133	0.94	1.12	0.220
Oklahoma	0.70 ^b	0.54	0.095	0.43	0.38	0.659	0.93	0.72	0.171	0.69	0.54	0.206	0.73	0.56	0.115
Oregon	0.75	0.62	0.241	0.50	0.41	0.349	0.90	0.71	0.257	0.75	0.63	0.378	0.77	0.64	0.279
Pennsylvania	0.61	0.51	0.187	0.35	0.36	0.996	0.97	0.82	0.342	0.59	0.48	0.293	0.64	0.52	0.190
Rhode Island	0.60	0.54	0.502	0.40	0.38	0.882	0.85	0.70	0.353	0.57	0.53	0.692	0.61	0.56	0.523
South Carolina	0.65 ^a	0.46	0.038	0.35	0.40	0.597	1.11 ^a	0.63	0.022	0.61	0.44	0.148	0.67 ^a	0.47	0.040
South Dakota	0.73 ^a	0.48	0.006	0.51	0.42	0.466	0.96	0.72	0.188	0.72 ^a	0.45	0.031	0.75 ^a	0.48	0.011
Tennessee	0.74	0.68	0.518	0.40	0.37	0.772	1.15	0.81	0.137	0.72	0.69	0.834	0.78	0.71	0.539
Texas	0.43	0.36	0.163	0.34	0.34	0.970	0.76 ^b	0.54	0.054	0.38	0.33	0.411	0.44	0.36	0.172
Utah	0.64	0.59	0.609	0.39	0.38	0.857	1.00	0.69	0.101	0.61	0.61	0.984	0.68	0.62	0.634
Vermont	0.85	0.75	0.392	0.48	0.46	0.797	1.02	0.80	0.283	0.86	0.77	0.565	0.88	0.78	0.409
Virginia	0.61 ^b	0.47	0.069	0.37	0.38	0.842	0.84	0.61	0.129	0.60	0.45	0.154	0.63 ^b	0.47	0.073
Washington	0.66	0.60	0.532	0.47	0.37	0.297	0.82	0.68	0.370	0.66	0.61	0.720	0.68	0.62	0.601
West Virginia	0.75	0.61	0.157	0.45	0.38	0.557	1.11	0.93	0.481	0.73	0.58	0.254	0.78	0.63	0.178
Wisconsin	0.61	0.49	0.197	0.42	0.40	0.864	0.90	0.68	0.225	0.58	0.48	0.349	0.63	0.50	0.215
Wyoming	0.65	0.56	0.359	0.39	0.42	0.785	1.08 ^b	0.77	0.065	0.61	0.55	0.590	0.68	0.58	0.361

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Pain Reliever Use Disorder is defined as meeting criteria for pain reliever 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)*.

NOTE: Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 22 Alcohol Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	5.37	5.34	0.723	1.69	1.64	0.510	10.05 ^b	9.67	0.074	5.05	5.09	0.726	5.74	5.71	0.744
Northeast	5.50	5.28	0.168	1.66	1.68	0.889	10.76 ^b	10.12	0.092	5.08	4.92	0.386	5.85	5.61	0.156
Midwest	5.56	5.54	0.880	1.76	1.72	0.727	10.99 ^b	10.42	0.092	5.13	5.21	0.623	5.95	5.93	0.889
South	4.81	4.75	0.613	1.50	1.44	0.602	8.73	8.45	0.301	4.58	4.56	0.902	5.15	5.09	0.630
West	6.01	6.15	0.414	1.97	1.85	0.447	10.76	10.60	0.685	5.72	5.95	0.268	6.42	6.59	0.382
Alabama	4.69 ^b	5.33	0.097	1.58	1.50	0.733	7.91	9.16	0.133	4.53	5.18	0.180	5.00 ^b	5.71	0.095
Alaska	6.88	7.08	0.693	2.07	1.86	0.522	12.73	12.42	0.781	6.56	6.91	0.581	7.41	7.65	0.671
Arizona	5.34	4.79	0.138	1.83	1.71	0.675	9.87	8.85	0.264	5.02	4.49	0.248	5.70	5.10	0.143
Arkansas	5.31	4.89	0.254	2.04	1.56	0.119	9.27	8.17	0.183	5.06	4.78	0.521	5.65	5.24	0.311
California	5.89	6.28	0.118	1.85	1.80	0.838	10.28	10.51	0.711	5.65	6.12	0.111	6.30	6.73	0.114
Colorado	8.34	8.16	0.724	2.27	2.01	0.507	15.10	13.88	0.317	7.97	7.97	0.992	8.94	8.77	0.751
Connecticut	5.99	6.18	0.625	1.93	1.83	0.767	12.13	12.05	0.942	5.46	5.74	0.580	6.39	6.60	0.620
Delaware	6.19	6.16	0.944	1.56	1.53	0.908	10.38	10.87	0.620	6.07	5.98	0.864	6.62	6.58	0.942
District of Columbia	10.10 ^b	9.00	0.094	1.89 ^a	1.24	0.038	13.67	11.86	0.152	9.99	9.00	0.208	10.57	9.44	0.105
Florida	4.52 ^a	3.94	0.025	1.55	1.26	0.172	8.28 ^a	7.12	0.043	4.31 ^b	3.78	0.086	4.78 ^a	4.17	0.030
Georgia	4.50	4.55	0.866	1.33	1.36	0.869	8.03	7.85	0.785	4.33	4.42	0.799	4.86	4.90	0.885
Hawaii	5.27	5.93	0.144	2.19	1.77	0.236	11.60	12.45	0.454	4.74	5.51	0.151	5.55	6.31	0.124
Idaho	5.46	5.41	0.903	1.75	1.70	0.870	9.92	10.18	0.781	5.24	5.15	0.850	5.91	5.86	0.908
Illinois	6.01	5.53	0.102	1.95	1.53	0.106	11.40 ^b	9.89	0.067	5.64	5.31	0.364	6.43	5.93	0.130
Indiana	4.79 ^a	5.59	0.032	1.43	1.76	0.245	10.11	10.25	0.879	4.30 ^a	5.28	0.037	5.15 ^a	6.00	0.041
Iowa	6.71 ^a	5.76	0.026	2.15	2.19	0.917	14.25 ^a	11.75	0.029	5.93	5.15	0.140	7.18 ^a	6.13	0.027
Kansas	5.14	5.18	0.904	1.91	1.90	0.981	10.23	10.39	0.860	4.66	4.69	0.934	5.50	5.54	0.904
Kentucky	4.65	5.10	0.215	1.61	1.69	0.775	8.10	9.13	0.213	4.46	4.87	0.362	4.96	5.45	0.225
Louisiana	6.42 ^a	5.60	0.033	1.86 ^b	1.40	0.064	10.60 ^a	8.67	0.041	6.30	5.63	0.164	6.90 ^a	6.04	0.045
Maine	6.14	5.66	0.256	2.37	2.14	0.522	11.64	10.88	0.419	5.78	5.33	0.374	6.45	5.95	0.273
Maryland	4.76	4.87	0.752	1.29	1.38	0.698	8.53	8.62	0.909	4.59	4.71	0.780	5.10	5.21	0.775
Massachusetts	6.69	6.10	0.160	1.99	1.75	0.447	13.83 ^b	11.81	0.061	5.96	5.58	0.467	7.10	6.48	0.171
Michigan	5.31	5.72	0.192	1.57	1.64	0.768	9.60	10.39	0.273	5.03	5.43	0.301	5.68	6.12	0.205
Minnesota	5.20	5.65	0.212	1.55	1.69	0.608	10.80	11.50	0.459	4.76	5.22	0.291	5.57	6.06	0.226
Mississippi	4.37	4.77	0.204	1.21	1.37	0.528	7.36	7.83	0.524	4.26	4.70	0.284	4.71	5.15	0.224
Missouri	5.02	5.21	0.584	1.65	1.80	0.601	8.59	9.46	0.332	4.84	4.95	0.814	5.36	5.56	0.614
Montana	7.47	7.46	0.987	3.14	2.51	0.179	14.06	13.65	0.721	6.91	7.04	0.834	7.87	7.92	0.933

See notes at end of table.

(continued)

Table 22 Alcohol Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	5.82	5.69	0.757	1.86	1.85	0.960	12.35	11.23	0.286	5.18	5.23	0.918	6.25	6.12	0.762
Nevada	5.50	6.04	0.222	1.80	1.84	0.894	10.28	10.31	0.978	5.25	5.93	0.205	5.88	6.46	0.227
New Hampshire	6.67	6.47	0.672	2.00	2.10	0.802	14.62	14.39	0.862	5.94	5.74	0.716	7.08	6.85	0.649
New Jersey	4.75	4.33	0.144	1.50	1.49	0.951	9.86 ^b	8.42	0.065	4.37	4.07	0.380	5.07	4.61	0.144
New Mexico	5.21	5.35	0.720	1.83	1.68	0.609	9.68	10.51	0.429	4.90	4.98	0.871	5.56	5.73	0.700
New York	5.31	5.16	0.556	1.46	1.61	0.475	8.97	9.28	0.624	5.13	4.89	0.431	5.65	5.48	0.515
North Carolina	4.78	5.10	0.301	1.53	1.47	0.779	8.28	8.69	0.558	4.61	4.96	0.355	5.10	5.46	0.297
North Dakota	6.54	6.44	0.813	2.30	2.36	0.863	13.07	12.71	0.757	5.71	5.69	0.968	6.94	6.83	0.817
Ohio	5.15	5.14	0.960	1.66	1.61	0.819	10.44	9.47	0.181	4.73	4.87	0.690	5.50	5.49	0.963
Oklahoma	5.94	5.47	0.231	1.71	1.64	0.793	10.83	10.03	0.397	5.65	5.19	0.349	6.40	5.88	0.240
Oregon	7.29	6.95	0.462	2.42	2.35	0.862	12.75	12.28	0.651	6.99	6.65	0.547	7.73	7.36	0.466
Pennsylvania	5.14	5.08	0.822	1.63	1.69	0.781	11.13	10.10	0.140	4.60	4.68	0.802	5.46	5.39	0.799
Rhode Island	6.63	6.51	0.787	1.92	1.78	0.682	12.01	12.33	0.768	6.17	5.99	0.746	7.05	6.92	0.800
South Carolina	5.57	5.14	0.247	1.58	1.43	0.570	11.49 ^a	9.21	0.010	5.12	4.95	0.714	5.96	5.50	0.261
South Dakota	6.79 ^b	5.93	0.059	2.60	1.97	0.116	13.87 ^b	11.86	0.092	6.13	5.45	0.215	7.24 ^b	6.36	0.083
Tennessee	4.57	4.85	0.434	1.74	1.63	0.694	8.16	9.15	0.266	4.34	4.56	0.622	4.86	5.17	0.422
Texas	4.43	4.57	0.494	1.31	1.43	0.508	8.30	8.31	0.993	4.18	4.36	0.510	4.80	4.95	0.544
Utah	4.38	4.16	0.468	1.51	1.57	0.854	8.09	7.67	0.612	4.05	3.83	0.567	4.79	4.52	0.457
Vermont	7.42	6.84	0.255	2.91	2.56	0.410	14.34 ^b	12.28	0.096	6.67	6.31	0.581	7.80	7.18	0.276
Virginia	5.17	5.06	0.717	1.63	1.52	0.657	10.15	9.40	0.334	4.78	4.78	0.995	5.52	5.41	0.737
Washington	5.89	5.79	0.844	2.49	2.01	0.142	11.13	10.18	0.339	5.48	5.56	0.884	6.21	6.15	0.910
West Virginia	4.29	4.14	0.666	1.57	1.74	0.595	8.41	8.76	0.678	3.98	3.73	0.570	4.53	4.35	0.637
Wisconsin	6.84 ^b	6.10	0.083	2.11	1.87	0.466	14.58 ^a	12.08	0.022	6.13	5.63	0.348	7.31 ^b	6.51	0.092
Wyoming	5.61 ^b	6.39	0.092	2.67	2.37	0.437	11.14	12.48	0.231	5.10	5.94	0.136	5.91 ^b	6.81	0.081

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 2017-2018 and 2018-2019 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)*.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 23 Substance Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	7.32	7.41	0.399	3.83 ^b	4.08	0.078	14.92	14.59	0.181	6.51	6.66	0.209	7.67	7.74	0.545
Northeast	7.50	7.34	0.363	3.59	3.78	0.389	16.09	15.69	0.409	6.57	6.43	0.516	7.86	7.66	0.307
Midwest	7.47	7.55	0.596	3.85 ^a	4.25	0.047	15.34	14.88	0.263	6.61	6.76	0.435	7.83	7.88	0.777
South	6.71	6.60	0.402	3.64	3.70	0.725	13.55	12.99	0.112	5.99	5.94	0.777	7.02	6.89	0.366
West	8.04 ^a	8.62	0.004	4.27	4.76	0.103	15.81	16.06	0.633	7.22 ^a	7.90	0.005	8.42 ^a	9.02	0.006
Alabama	7.11	7.46	0.430	3.63	3.19	0.373	12.97	13.38	0.693	6.58	7.03	0.410	7.46	7.89	0.383
Alaska	9.22	9.68	0.365	4.37	4.63	0.706	17.91	18.52	0.646	8.44	8.94	0.424	9.76	10.23	0.396
Arizona	7.05	6.90	0.691	4.08	4.83	0.219	14.33	13.89	0.696	6.22	6.01	0.659	7.36	7.11	0.553
Arkansas	7.65 ^a	6.83	0.044	4.11	3.63	0.386	14.33 ^a	12.01	0.034	6.99	6.39	0.217	8.02 ^b	7.16	0.058
California	7.74 ^a	8.80	0.000	4.04	4.55	0.224	14.99	16.12	0.145	6.98 ^a	8.12	0.001	8.12 ^a	9.23	0.001
Colorado	11.28	11.18	0.865	5.12	5.44	0.716	23.18	21.01	0.151	10.11	10.31	0.774	11.90	11.75	0.817
Connecticut	8.38	8.01	0.440	3.86	3.74	0.847	19.82	18.72	0.426	7.05	6.79	0.641	8.82	8.43	0.448
Delaware	8.37	8.41	0.929	4.15	4.31	0.794	16.02	17.01	0.471	7.71	7.64	0.914	8.76	8.79	0.954
District of Columbia	12.60	11.94	0.320	5.42	5.57	0.858	18.80	17.51	0.393	11.94	11.36	0.452	13.01	12.30	0.313
Florida	6.49 ^a	5.81	0.012	4.34	3.86	0.229	13.66 ^b	12.32	0.074	5.74 ^b	5.14	0.065	6.68 ^a	5.98	0.017
Georgia	6.41	6.28	0.686	3.20	3.45	0.567	12.84	12.17	0.455	5.77	5.68	0.829	6.77	6.60	0.622
Hawaii	6.88 ^a	8.06	0.020	4.04	3.75	0.618	15.46	16.58	0.402	6.02 ^a	7.40	0.022	7.13 ^a	8.45	0.017
Idaho	7.35	7.33	0.966	3.97	4.47	0.424	12.86	13.81	0.420	6.91	6.67	0.644	7.76	7.67	0.861
Illinois	7.78	7.67	0.775	4.04	4.25	0.702	16.08	14.76	0.165	6.90	6.97	0.876	8.16	8.02	0.726
Indiana	7.00 ^a	8.02	0.019	3.37	4.20	0.122	14.96	14.83	0.912	6.08 ^a	7.33	0.015	7.39 ^a	8.42	0.031
Iowa	8.67 ^a	7.78	0.049	4.21	5.07	0.185	17.76 ^a	15.13	0.039	7.61	6.83	0.149	9.13 ^a	8.05	0.033
Kansas	6.91	6.96	0.901	3.63	4.02	0.454	13.75	14.15	0.727	6.13	6.09	0.935	7.27	7.29	0.977
Kentucky	7.12	7.52	0.365	3.77	4.10	0.548	12.56	12.77	0.830	6.64	7.09	0.401	7.46	7.87	0.403
Louisiana	8.21	7.61	0.196	3.58	3.29	0.554	14.81 ^a	12.48	0.042	7.71	7.37	0.547	8.69	8.06	0.216
Maine	8.91	8.57	0.473	4.59	4.67	0.904	18.79	17.61	0.372	8.04	7.79	0.649	9.27	8.89	0.459
Maryland	6.57	6.72	0.700	3.26	3.70	0.385	14.37	14.75	0.742	5.77	5.87	0.828	6.89	7.01	0.779
Massachusetts	8.90	8.45	0.345	3.92	4.10	0.745	18.81	17.68	0.403	7.73	7.34	0.503	9.34	8.83	0.326
Michigan	7.13	7.25	0.734	3.64	3.98	0.389	14.53	15.00	0.576	6.31	6.36	0.901	7.47	7.56	0.811
Minnesota	6.93	7.34	0.282	3.86	4.62	0.198	14.30	15.28	0.399	6.14	6.45	0.510	7.24	7.62	0.368
Mississippi	6.43	6.77	0.388	3.30	3.32	0.961	11.69	11.67	0.985	5.94	6.39	0.336	6.77	7.15	0.391
Missouri	7.21	7.38	0.693	3.69	4.04	0.491	12.95	14.01	0.340	6.71	6.73	0.977	7.57	7.71	0.755
Montana	9.05	9.67	0.258	5.18	5.68	0.501	17.83	16.69	0.366	8.09	9.02	0.156	9.41	10.04	0.288

See notes at end of table.

(continued)

Table 23 Substance Use Disorder in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	7.58	7.34	0.579	3.69	3.94	0.638	16.43	14.80	0.172	6.53	6.48	0.934	8.01	7.71	0.545
Nevada	8.64	8.98	0.509	5.09	5.59	0.509	18.39	16.98	0.325	7.67	8.26	0.337	9.00	9.32	0.566
New Hampshire	8.71	8.50	0.671	4.41	4.57	0.783	19.30	19.73	0.771	7.54	7.22	0.587	9.09	8.84	0.643
New Jersey	6.69	6.40	0.384	3.42	3.33	0.852	15.01	14.66	0.742	5.84	5.56	0.469	7.01	6.71	0.392
New Mexico	7.27	7.49	0.615	4.80	5.43	0.407	15.49	15.67	0.892	6.24	6.44	0.695	7.53	7.70	0.718
New York	7.23	7.14	0.776	3.41	3.87	0.246	14.50	14.53	0.969	6.47	6.34	0.703	7.57	7.43	0.671
North Carolina	6.64	6.95	0.352	3.57	3.91	0.444	13.21	13.68	0.597	5.97	6.26	0.485	6.95	7.26	0.408
North Dakota	8.41	8.55	0.754	4.38	5.08	0.299	16.80	16.27	0.668	7.20	7.46	0.611	8.79	8.88	0.852
Ohio	7.30	7.60	0.398	3.97	4.23	0.544	15.33	14.85	0.576	6.43	6.87	0.303	7.64	7.94	0.441
Oklahoma	8.11	7.65	0.266	4.19	4.36	0.783	15.43	14.10	0.253	7.38	6.99	0.446	8.54	8.01	0.248
Oregon	9.50	9.45	0.928	4.65	5.77	0.127	18.38	17.49	0.493	8.70	8.67	0.962	9.94	9.78	0.779
Pennsylvania	6.97	6.99	0.959	3.42	3.52	0.789	15.63	15.08	0.532	6.03	6.15	0.767	7.30	7.31	0.987
Rhode Island	8.42	8.60	0.692	4.05	4.58	0.395	17.27	18.06	0.557	7.31	7.39	0.888	8.80	8.95	0.764
South Carolina	7.28 ^a	6.49	0.044	3.95	3.95	0.992	16.10 ^a	12.49	0.002	6.31	5.88	0.350	7.60 ^a	6.73	0.045
South Dakota	8.75 ^a	7.40	0.003	4.78	4.60	0.795	18.26 ^a	14.61	0.006	7.65 ^a	6.55	0.046	9.17 ^a	7.69	0.003
Tennessee	6.68	6.93	0.529	3.91	4.00	0.868	13.08	13.10	0.983	6.00	6.32	0.499	6.95	7.22	0.545
Texas	6.01	6.16	0.523	3.24	3.49	0.503	12.66	12.48	0.825	5.22	5.44	0.477	6.34	6.48	0.603
Utah	6.02	6.21	0.590	3.16	3.77	0.270	11.16	11.68	0.626	5.37	5.43	0.894	6.42	6.56	0.736
Vermont	10.14	9.75	0.480	5.61	5.50	0.873	20.98 ^b	18.34	0.059	8.70	8.69	0.983	10.51	10.10	0.486
Virginia	6.99	7.01	0.950	3.56	3.71	0.743	15.01	15.02	0.998	6.11	6.13	0.953	7.32	7.33	0.982
Washington	8.22	8.30	0.889	5.01	4.84	0.792	16.78	15.58	0.342	7.30	7.61	0.622	8.53	8.62	0.869
West Virginia	6.54	6.14	0.311	4.08	4.44	0.557	13.75	13.57	0.878	5.75	5.26	0.286	6.76	6.29	0.277
Wisconsin	8.26	7.66	0.144	4.07	4.34	0.651	17.49	15.73	0.153	7.26	6.75	0.322	8.68	7.98	0.128
Wyoming	7.00	7.59	0.146	4.63	5.22	0.405	14.11	14.69	0.632	6.19	6.80	0.213	7.25	7.84	0.184

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Substance Use Disorder is defined as meeting criteria for illicit drug 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)*.

NOTE: Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 24 *Needing But Not Receiving Treatment at a Specialty Facility for Illicit Drug Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs*

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	2.55 ^a	2.70	0.007	2.69 ^a	2.99	0.016	6.92	7.09	0.367	1.83 ^a	1.98	0.018	2.54 ^a	2.67	0.021
Northeast	2.59	2.72	0.186	2.46	2.78	0.103	6.96	7.29	0.294	1.92	2.02	0.409	2.60	2.72	0.276
Midwest	2.54	2.64	0.238	2.62 ^a	3.01	0.018	6.85	7.03	0.488	1.83	1.89	0.505	2.53	2.60	0.434
South	2.35	2.36	0.899	2.56	2.70	0.382	6.55	6.32	0.337	1.66	1.70	0.603	2.33	2.32	0.950
West	2.84 ^a	3.29	0.000	3.12 ^b	3.57	0.075	7.54 ^b	8.19	0.082	2.05 ^a	2.48	0.001	2.82 ^a	3.26	0.000
Alabama	2.62	2.66	0.855	2.46	2.24	0.567	7.73	7.22	0.532	1.83	1.99	0.462	2.64	2.70	0.774
Alaska	3.01 ^b	3.48	0.052	3.22	3.47	0.628	7.68	8.63	0.299	2.23	2.67	0.113	2.99 ^b	3.48	0.059
Arizona	2.37 ^a	2.79	0.028	2.69	3.48	0.123	6.63	7.49	0.288	1.63	1.94	0.144	2.34 ^b	2.71	0.061
Arkansas	2.57	2.39	0.297	2.68	2.59	0.832	6.99	6.51	0.517	1.84	1.71	0.503	2.56	2.37	0.307
California	2.74 ^a	3.42	0.000	3.10	3.56	0.213	7.00 ^a	8.31	0.017	2.00 ^a	2.62	0.001	2.71 ^a	3.41	0.000
Colorado	4.23	4.57	0.349	3.71	4.43	0.367	12.28	11.39	0.460	3.01	3.52	0.214	4.28	4.58	0.437
Connecticut	2.95	2.65	0.201	2.58	2.59	0.985	8.72	7.40	0.143	2.06	1.90	0.552	2.98	2.65	0.195
Delaware	2.85	2.92	0.777	3.06	3.42	0.450	7.56	7.60	0.967	2.15	2.20	0.831	2.83	2.87	0.878
District of Columbia	4.17	4.17	0.999	3.71	4.18	0.413	8.71	8.17	0.554	3.36	3.45	0.831	4.20	4.17	0.944
Florida	2.51	2.31	0.173	3.21	3.05	0.648	7.04	6.32	0.180	1.83	1.72	0.464	2.45	2.25	0.195
Georgia	2.49	2.30	0.231	2.39	2.47	0.821	7.16	6.39	0.254	1.73	1.61	0.494	2.50	2.28	0.203
Hawaii	2.19 ^a	2.71	0.017	2.80	2.63	0.702	5.81	6.90	0.198	1.65 ^a	2.17	0.031	2.14 ^a	2.72	0.013
Idaho	1.99 ^a	2.36	0.031	2.58	3.12	0.192	4.89 ^a	6.59	0.031	1.42	1.56	0.462	1.91 ^b	2.27	0.059
Illinois	2.55	2.69	0.448	2.65	3.23	0.138	7.10	7.00	0.866	1.82	1.95	0.524	2.54	2.63	0.643
Indiana	2.65 ^b	3.04	0.073	2.47	3.06	0.171	7.27	7.79	0.534	1.88	2.22	0.157	2.67	3.03	0.115
Iowa	2.48	2.57	0.616	2.43	3.01	0.175	6.35	6.35	0.997	1.79	1.86	0.769	2.48	2.52	0.826
Kansas	2.11	2.24	0.469	2.25	2.60	0.340	5.44	6.18	0.296	1.50	1.50	0.986	2.10	2.20	0.593
Kentucky	2.38	2.57	0.319	2.66	2.74	0.843	5.96	5.78	0.801	1.77	2.04	0.231	2.35	2.55	0.332
Louisiana	2.48	2.55	0.727	2.13	2.16	0.934	6.42	5.96	0.552	1.88	2.06	0.463	2.51	2.59	0.733
Maine	3.00	3.03	0.894	2.98	3.30	0.505	9.43	9.04	0.681	2.17	2.25	0.784	3.00	3.01	0.972
Maryland	2.42	2.53	0.572	2.54	3.06	0.244	7.24	7.82	0.506	1.69	1.69	0.982	2.41	2.48	0.741
Massachusetts	3.05	3.01	0.858	2.63	3.02	0.381	7.31	7.54	0.775	2.37	2.24	0.669	3.09	3.01	0.755
Michigan	2.46	2.51	0.752	2.52	2.87	0.250	6.93	7.63	0.237	1.71	1.64	0.667	2.45	2.47	0.910
Minnesota	2.61	2.68	0.703	2.92	3.25	0.429	6.57	6.84	0.702	1.95	1.97	0.927	2.58	2.62	0.826
Mississippi	2.27	2.34	0.699	2.28	2.23	0.896	5.79	5.79	0.993	1.67	1.78	0.594	2.27	2.35	0.672
Missouri	2.39	2.53	0.424	2.48	2.82	0.386	6.27	6.57	0.685	1.76	1.87	0.600	2.38	2.51	0.520
Montana	2.89	3.03	0.522	3.27	3.57	0.572	8.34	7.35	0.217	2.00	2.31	0.216	2.86	2.98	0.601

See notes at end of table.

(continued)

Table 24 Needing But Not Receiving Treatment at a Specialty Facility for Illicit Drug Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	2.50	2.51	0.969	2.42	2.69	0.530	7.01	6.92	0.913	1.72	1.72	0.996	2.51	2.49	0.903
Nevada	3.44	3.80	0.284	3.53	4.23	0.320	10.82	9.81	0.383	2.39	2.91	0.160	3.43	3.75	0.373
New Hampshire	2.50	2.46	0.837	2.90	3.00	0.802	6.99	7.43	0.597	1.77	1.67	0.617	2.46	2.41	0.803
New Jersey	2.27	2.43	0.287	2.45	2.54	0.817	6.28 ^b	7.46	0.078	1.66	1.70	0.834	2.25	2.42	0.298
New Mexico	2.69	2.70	0.962	3.66	4.22	0.396	7.38	7.24	0.866	1.81	1.79	0.938	2.59	2.54	0.808
New York	2.64	2.86	0.195	2.39	2.81	0.226	7.23	7.18	0.927	1.94	2.19	0.187	2.67	2.86	0.273
North Carolina	2.55	2.67	0.439	2.76	3.05	0.457	7.06	7.30	0.723	1.81	1.91	0.601	2.52	2.64	0.528
North Dakota	2.47	2.66	0.301	2.55	2.74	0.665	6.44	6.47	0.970	1.66	1.91	0.231	2.46	2.65	0.341
Ohio	2.76	2.83	0.709	2.88	3.14	0.433	7.48	7.46	0.982	2.01	2.07	0.754	2.75	2.80	0.812
Oklahoma	2.44	2.43	0.983	2.86	2.95	0.857	7.00	6.00	0.186	1.61	1.77	0.412	2.39	2.37	0.941
Oregon	3.02	3.00	0.935	3.25	4.10	0.142	8.36	7.59	0.367	2.21	2.22	0.954	3.00	2.90	0.696
Pennsylvania	2.28	2.54	0.123	2.26	2.66	0.189	5.78 ^b	6.86	0.056	1.75	1.88	0.504	2.29	2.53	0.169
Rhode Island	2.90	2.88	0.942	2.89	3.36	0.338	7.85	7.64	0.804	2.03	2.02	0.970	2.90	2.84	0.812
South Carolina	2.32	2.10	0.202	2.68	2.85	0.687	6.48	5.71	0.269	1.64	1.49	0.410	2.28	2.03	0.162
South Dakota	2.60 ^a	2.19	0.024	2.81	2.91	0.823	7.40 ^b	6.03	0.075	1.78	1.47	0.128	2.58 ^a	2.12	0.017
Tennessee	2.38	2.34	0.815	2.69	2.68	0.976	6.06	5.46	0.419	1.77	1.82	0.795	2.34	2.30	0.817
Texas	1.97	2.07	0.400	2.20	2.43	0.453	5.64	5.49	0.781	1.29	1.43	0.298	1.94	2.03	0.506
Utah	2.20 ^a	2.65	0.017	2.24	2.66	0.303	5.20	6.46	0.112	1.52	1.81	0.173	2.19 ^a	2.65	0.029
Vermont	3.44	3.31	0.647	3.76	3.93	0.748	9.39	8.49	0.349	2.37	2.37	0.992	3.41	3.26	0.611
Virginia	2.20 ^a	2.55	0.038	2.40 ^b	3.02	0.082	6.56 ^b	7.87	0.079	1.49	1.67	0.336	2.18 ^b	2.50	0.075
Washington	3.09	2.97	0.628	3.50	3.18	0.540	8.42	7.48	0.313	2.25	2.29	0.887	3.05	2.95	0.708
West Virginia	2.30	2.22	0.630	2.72	2.82	0.800	6.13	6.58	0.536	1.71	1.55	0.407	2.27	2.17	0.596
Wisconsin	2.41	2.35	0.716	2.56	2.78	0.574	6.22	6.03	0.773	1.78	1.72	0.755	2.40	2.31	0.625
Wyoming	2.10	2.04	0.708	2.81	3.11	0.531	5.80	5.93	0.857	1.44	1.32	0.480	2.02	1.93	0.554

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Respondents were classified as needing illicit drug treatment if they met the criteria for an illicit drug use disorder as defined in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) or received treatment for illicit drug use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). Needing But Not Receiving Illicit Drug Treatment refers to respondents who are classified as needing illicit drug treatment, but who did not receive illicit drug treatment at a specialty facility. Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 25 Needing But Not Receiving Treatment at a Specialty Facility for Alcohol Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	5.13	5.09	0.624	1.66	1.60	0.537	9.70 ^b	9.33	0.068	4.81	4.83	0.846	5.48	5.44	0.641
Northeast	5.20	4.98	0.130	1.62	1.64	0.814	10.40	9.81	0.109	4.77	4.58	0.302	5.53	5.28	0.120
Midwest	5.30	5.30	0.994	1.72	1.69	0.812	10.48 ^b	9.90	0.085	4.88	4.99	0.522	5.67	5.67	0.992
South	4.61	4.54	0.553	1.50	1.43	0.520	8.49	8.18	0.255	4.36	4.35	0.897	4.93	4.86	0.577
West	5.78	5.87	0.608	1.89	1.78	0.484	10.39	10.30	0.839	5.49	5.64	0.473	6.18	6.28	0.578
Alabama	4.58	5.09	0.163	1.63	1.47	0.498	7.73	8.43	0.427	4.42	4.98	0.205	4.88	5.45	0.154
Alaska	6.27	6.40	0.753	1.94	1.76	0.561	11.65	11.57	0.945	5.95	6.18	0.676	6.74	6.91	0.732
Arizona	5.12	4.58	0.136	1.80	1.71	0.737	9.84	8.89	0.347	4.74	4.23	0.244	5.46	4.88	0.142
Arkansas	5.00	4.58	0.173	1.96	1.54	0.136	9.06	7.74	0.125	4.72	4.45	0.476	5.32	4.90	0.217
California	5.71	6.07	0.166	1.78	1.72	0.756	9.86	10.19	0.612	5.49	5.91	0.175	6.11	6.50	0.160
Colorado	7.86	7.45	0.396	2.11	1.87	0.466	14.30	12.96	0.254	7.50	7.23	0.642	8.43	8.00	0.416
Connecticut	5.53	5.60	0.826	1.80	1.72	0.785	11.29	11.34	0.963	5.02	5.13	0.807	5.89	5.98	0.821
Delaware	5.89	5.79	0.828	1.50	1.47	0.905	10.17	10.51	0.743	5.73	5.59	0.773	6.29	6.19	0.826
District of Columbia	9.05	8.27	0.138	1.75 ^b	1.21	0.085	13.00	11.52	0.271	8.81	8.15	0.302	9.46	8.67	0.154
Florida	4.37 ^a	3.81	0.026	1.57	1.29	0.163	8.06 ^b	6.93	0.078	4.15 ^b	3.64	0.086	4.61 ^a	4.02	0.032
Georgia	4.25	4.42	0.531	1.35	1.38	0.891	7.50	7.55	0.937	4.09	4.29	0.535	4.58	4.75	0.542
Hawaii	5.21	5.69	0.254	2.10	1.67	0.193	11.37	12.44	0.404	4.70	5.23	0.286	5.49	6.06	0.219
Idaho	5.27	5.05	0.542	1.70	1.71	0.973	9.64	9.72	0.929	5.04	4.75	0.518	5.70	5.45	0.535
Illinois	5.77	5.27	0.102	1.87	1.49	0.115	10.87 ^b	9.48	0.099	5.42	5.06	0.326	6.17	5.66	0.125
Indiana	4.62 ^a	5.38	0.044	1.46	1.75	0.274	9.58	9.58	0.996	4.16 ^a	5.11	0.040	4.96 ^b	5.76	0.052
Iowa	6.49 ^a	5.48	0.016	2.05	2.15	0.787	13.96 ^a	11.47	0.047	5.71 ^b	4.85	0.085	6.95 ^a	5.83	0.015
Kansas	5.22	5.08	0.663	1.90	1.87	0.903	10.58	10.09	0.609	4.70	4.62	0.833	5.59	5.43	0.669
Kentucky	4.58	4.90	0.372	1.63	1.67	0.872	8.18	8.58	0.657	4.35	4.70	0.433	4.88	5.23	0.382
Louisiana	5.92 ^b	5.28	0.093	1.72	1.41	0.235	9.78 ^b	7.88	0.054	5.81	5.33	0.309	6.36	5.68	0.108
Maine	5.89	5.43	0.243	2.27	2.12	0.671	11.40	10.33	0.291	5.51	5.11	0.397	6.19	5.70	0.253
Maryland	4.52	4.54	0.959	1.28	1.35	0.736	8.59	8.58	0.991	4.28	4.30	0.955	4.84	4.85	0.979
Massachusetts	6.03	5.63	0.312	1.86	1.68	0.489	12.79	11.31	0.166	5.31	5.08	0.632	6.40	5.98	0.324
Michigan	5.00	5.43	0.165	1.56	1.60	0.874	9.07	9.67	0.401	4.73	5.18	0.233	5.34	5.80	0.172
Minnesota	4.94	5.46	0.154	1.51	1.67	0.528	10.52	11.38	0.403	4.47	5.00	0.241	5.29	5.85	0.166
Mississippi	4.10	4.49	0.165	1.26	1.36	0.644	6.87	7.27	0.617	3.99	4.43	0.211	4.41	4.83	0.177
Missouri	4.79	5.01	0.507	1.63	1.73	0.727	8.28	8.89	0.481	4.60	4.78	0.663	5.11	5.34	0.529
Montana	7.13	7.17	0.929	2.91	2.43	0.295	12.96	12.50	0.725	6.66	6.86	0.758	7.52	7.61	0.868

See notes at end of table.

(continued)

Table 25 Needing But Not Receiving Treatment at a Specialty Facility for Alcohol Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	5.63	5.54	0.818	1.80	1.81	0.957	12.26	10.94	0.229	4.96	5.08	0.796	6.05	5.95	0.818
Nevada	5.17	5.59	0.294	1.71	1.76	0.872	9.84	9.89	0.958	4.91	5.43	0.293	5.52	5.97	0.304
New Hampshire	6.45	6.28	0.718	1.96	2.08	0.701	14.26	14.06	0.887	5.72	5.54	0.753	6.85	6.64	0.691
New Jersey	4.70 ^b	4.21	0.097	1.52	1.50	0.893	10.15	8.76	0.104	4.26	3.86	0.254	5.01 ^b	4.48	0.098
New Mexico	4.81	4.95	0.713	1.74	1.65	0.750	9.11	10.19	0.314	4.49	4.52	0.951	5.13	5.29	0.701
New York	5.07	4.85	0.351	1.48	1.59	0.573	8.70	8.97	0.688	4.87	4.55	0.264	5.39	5.14	0.327
North Carolina	4.49	4.81	0.297	1.56	1.47	0.687	8.00	8.38	0.609	4.28	4.64	0.347	4.78	5.14	0.289
North Dakota	6.44	6.23	0.571	2.14	2.28	0.690	12.95	12.38	0.632	5.63	5.49	0.758	6.85	6.61	0.562
Ohio	4.78	4.85	0.818	1.63	1.62	0.942	9.54	8.82	0.296	4.39	4.60	0.574	5.09	5.17	0.821
Oklahoma	5.52	5.18	0.360	1.72	1.66	0.819	10.00	9.48	0.598	5.25	4.91	0.457	5.94	5.56	0.368
Oregon	7.12	6.59	0.244	2.31	2.31	0.999	12.49	11.85	0.577	6.84	6.27	0.309	7.56	6.97	0.243
Pennsylvania	4.84	4.81	0.935	1.55	1.66	0.609	10.71	9.64	0.133	4.29	4.42	0.683	5.14	5.10	0.903
Rhode Island	5.99	5.93	0.903	1.78	1.73	0.862	11.82	12.00	0.888	5.39	5.32	0.888	6.35	6.30	0.905
South Carolina	5.21	4.83	0.299	1.57	1.41	0.489	10.51 ^a	8.44	0.035	4.81	4.67	0.760	5.56	5.16	0.316
South Dakota	6.52 ^a	5.72	0.049	2.34	1.88	0.215	13.75 ^a	11.29	0.045	5.83	5.27	0.259	6.96 ^b	6.13	0.063
Tennessee	4.46	4.62	0.607	1.70	1.62	0.764	8.22	8.81	0.574	4.20	4.33	0.729	4.74	4.92	0.596
Texas	4.30	4.43	0.544	1.32	1.39	0.673	8.20	8.26	0.912	4.03	4.18	0.558	4.65	4.78	0.577
Utah	4.27	4.03	0.394	1.52	1.60	0.783	8.13	7.77	0.684	3.89	3.62	0.449	4.66	4.37	0.370
Vermont	6.90	6.43	0.339	2.65	2.42	0.572	13.80	11.80	0.127	6.12	5.89	0.698	7.25	6.75	0.355
Virginia	5.12	4.93	0.509	1.62	1.49	0.604	10.31	9.35	0.241	4.70	4.63	0.832	5.47	5.26	0.530
Washington	5.56	5.54	0.972	2.30	1.95	0.281	11.00	10.23	0.442	5.11	5.25	0.786	5.87	5.88	0.976
West Virginia	4.15	3.99	0.655	1.61	1.78	0.559	8.31	8.34	0.969	3.81	3.60	0.625	4.37	4.19	0.626
Wisconsin	6.44	5.86	0.148	1.98	1.86	0.683	13.75 ^a	11.41	0.038	5.78	5.43	0.488	6.89	6.25	0.153
Wyoming	5.32	5.84	0.241	2.32	2.17	0.641	10.29	11.41	0.322	4.91	5.43	0.334	5.63	6.22	0.227

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Respondents were classified as needing alcohol treatment if they met the criteria for an alcohol use disorder as defined in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) or received treatment for alcohol use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). Needing But Not Receiving Alcohol Treatment refers to respondents who are classified as needing alcohol treatment, but who did not receive alcohol treatment at a specialty facility.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 26 Needing But Not Receiving Treatment at a Specialty Facility for Substance Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Total U.S.	6.79	6.88	0.339	3.62 ^b	3.89	0.063	14.07	13.83	0.298	6.00	6.14	0.206	7.11	7.18	0.480
Northeast	6.88	6.74	0.399	3.45	3.64	0.377	15.08	14.75	0.470	5.97	5.84	0.531	7.20	7.03	0.338
Midwest	6.85	6.93	0.603	3.66 ^a	4.03	0.050	14.49	14.17	0.399	5.98	6.11	0.498	7.18	7.23	0.774
South	6.21	6.15	0.693	3.41	3.53	0.478	12.82	12.35	0.183	5.49	5.50	0.986	6.50	6.42	0.618
West	7.59 ^a	8.11	0.006	4.05	4.50	0.102	14.91	15.17	0.594	6.83 ^a	7.41	0.011	7.95 ^a	8.48	0.011
Alabama	6.47	6.78	0.454	3.35	3.09	0.542	13.09	13.59	0.645	5.78	6.14	0.472	6.78	7.15	0.427
Alaska	8.36	8.89	0.314	4.33	4.53	0.732	15.60	16.57	0.481	7.71	8.24	0.407	8.80	9.36	0.338
Arizona	6.65	6.58	0.850	3.76	4.38	0.267	13.50	13.09	0.722	5.88	5.79	0.846	6.96	6.81	0.728
Arkansas	6.79	6.24	0.140	3.74	3.43	0.526	13.84 ^b	12.01	0.080	6.02	5.66	0.430	7.11	6.54	0.165
California	7.44 ^a	8.36	0.001	3.92	4.36	0.283	14.10	15.26	0.126	6.75 ^a	7.72	0.004	7.79 ^a	8.76	0.002
Colorado	10.66	10.51	0.789	4.69	5.26	0.464	22.20	19.82	0.113	9.53	9.67	0.833	11.26	11.03	0.711
Connecticut	7.52	7.22	0.484	3.52	3.41	0.830	18.27	17.26	0.442	6.25	6.05	0.709	7.92	7.59	0.494
Delaware	7.41	7.45	0.935	3.74	4.19	0.386	14.69	16.11	0.278	6.75	6.58	0.771	7.76	7.75	0.998
District of Columbia	11.00	10.56	0.461	5.41	5.32	0.903	17.51	16.44	0.462	10.18	9.85	0.643	11.32	10.85	0.468
Florida	6.09 ^a	5.51	0.047	4.06	3.80	0.497	12.87 ^a	11.44	0.049	5.38	4.89	0.161	6.26 ^b	5.65	0.054
Georgia	6.02	5.95	0.814	3.00	3.28	0.504	12.32	11.61	0.411	5.38	5.37	0.983	6.36	6.25	0.740
Hawaii	6.47 ^b	7.37	0.058	4.04	4.00	0.941	14.59	15.30	0.582	5.64 ^b	6.68	0.060	6.69 ^b	7.67	0.056
Idaho	6.65	6.71	0.870	3.79	4.20	0.421	12.09	13.55	0.206	6.15	5.94	0.668	6.99	7.01	0.966
Illinois	7.26	6.97	0.404	3.82	4.02	0.635	14.97	13.69	0.182	6.45	6.27	0.666	7.62	7.27	0.370
Indiana	6.43 ^a	7.45	0.020	3.23	3.99	0.115	14.10	14.59	0.664	5.52 ^a	6.66	0.028	6.78 ^a	7.82	0.033
Iowa	7.85 ^a	6.95	0.033	3.96	4.72	0.187	17.17 ^b	14.83	0.057	6.67	5.85	0.105	8.25 ^a	7.18	0.022
Kansas	6.48	6.40	0.830	3.56	3.87	0.510	13.38	13.22	0.883	5.64	5.54	0.819	6.81	6.68	0.766
Kentucky	6.20	6.70	0.215	3.64	3.98	0.489	11.96	12.50	0.598	5.57	6.10	0.281	6.45	6.97	0.247
Louisiana	7.43	6.86	0.190	3.16	3.14	0.956	14.53 ^a	11.79	0.012	6.80	6.53	0.607	7.87	7.24	0.190
Maine	8.22	7.93	0.533	4.42	4.56	0.794	18.25	17.27	0.445	7.28	7.05	0.688	8.54	8.20	0.514
Maryland	6.04	6.13	0.815	3.18	3.58	0.396	12.91	13.39	0.668	5.33	5.34	0.983	6.32	6.38	0.893
Massachusetts	7.96	7.57	0.407	3.70	3.90	0.700	17.69	16.39	0.317	6.74	6.46	0.620	8.34	7.89	0.386
Michigan	6.58	6.81	0.459	3.43	3.74	0.390	13.51	14.23	0.384	5.80	5.96	0.677	6.89	7.11	0.523
Minnesota	6.47	7.01	0.145	3.76	4.26	0.317	13.75	14.97	0.294	5.66	6.11	0.319	6.75	7.29	0.184
Mississippi	5.76	6.19	0.227	3.13	3.18	0.915	10.90	10.99	0.916	5.21	5.77	0.206	6.04	6.52	0.234
Missouri	6.50	6.81	0.418	3.47	3.77	0.516	12.66	13.53	0.428	5.87	6.11	0.604	6.80	7.11	0.464
Montana	8.44	9.21	0.144	4.75	5.11	0.584	17.01	16.64	0.763	7.49	8.51	0.116	8.78	9.59	0.162

See notes at end of table.

(continued)

Table 26 Needing But Not Receiving Treatment at a Specialty Facility for Substance Use in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	12+ (2017- 2018)	12+ (2018- 2019)	12+ (P Value)	12-17 (2017- 2018)	12-17 (2018- 2019)	12-17 (P Value)	18-25 (2017- 2018)	18-25 (2018- 2019)	18-25 (P Value)	26+ (2017- 2018)	26+ (2018- 2019)	26+ (P Value)	18+ (2017- 2018)	18+ (2018- 2019)	18+ (P Value)
Nebraska	7.05	6.74	0.441	3.58	3.76	0.702	16.40	14.53	0.104	5.85	5.77	0.877	7.43	7.07	0.417
Nevada	7.94	8.31	0.480	4.44	5.17	0.288	17.13	15.68	0.294	7.04	7.64	0.342	8.29	8.62	0.564
New Hampshire	8.22	7.89	0.505	4.18	4.27	0.871	18.34	18.81	0.747	7.09	6.64	0.432	8.58	8.21	0.487
New Jersey	6.46	6.03	0.200	3.37	3.33	0.925	14.34	13.79	0.594	5.65	5.21	0.272	6.76	6.29	0.203
New Mexico	6.60	6.99	0.353	4.50	5.06	0.394	14.25	15.52	0.317	5.62	5.87	0.622	6.82	7.19	0.428
New York	6.71	6.67	0.906	3.35	3.72	0.307	13.74	13.85	0.886	5.95	5.87	0.823	7.01	6.94	0.815
North Carolina	6.16	6.58	0.206	3.45	3.77	0.463	12.49	13.22	0.423	5.49	5.87	0.334	6.44	6.86	0.241
North Dakota	7.76	7.97	0.625	4.12	4.64	0.369	16.33	16.11	0.864	6.46	6.78	0.546	8.10	8.29	0.693
Ohio	6.59	6.73	0.667	3.75	4.10	0.362	13.94	13.77	0.837	5.76	5.94	0.656	6.87	6.99	0.746
Oklahoma	7.28	7.08	0.635	3.92	4.10	0.748	14.62	13.67	0.408	6.47	6.36	0.833	7.65	7.40	0.605
Oregon	8.82	8.64	0.692	4.34	5.40	0.108	17.56	16.50	0.389	8.01	7.84	0.764	9.23	8.93	0.558
Pennsylvania	6.22	6.33	0.703	3.23	3.41	0.597	14.14	13.93	0.799	5.33	5.51	0.619	6.49	6.60	0.745
Rhode Island	7.71	7.69	0.979	3.85	4.29	0.431	16.63	17.57	0.498	6.53	6.34	0.714	8.04	7.99	0.910
South Carolina	6.70 ^b	6.07	0.083	3.64	3.76	0.814	15.40 ^a	12.54	0.018	5.72	5.36	0.406	7.00 ^b	6.29	0.081
South Dakota	7.91 ^a	6.66	0.005	4.58	4.42	0.792	18.03 ^a	14.10	0.002	6.63 ^b	5.71	0.083	8.26 ^a	6.90	0.006
Tennessee	6.09	6.25	0.669	3.64	3.81	0.728	12.17	12.15	0.987	5.43	5.63	0.667	6.33	6.49	0.703
Texas	5.67	5.86	0.414	2.99	3.22	0.476	11.87	11.79	0.916	4.96	5.20	0.402	5.99	6.17	0.485
Utah	5.55	5.74	0.557	2.98	3.47	0.311	10.83	11.08	0.810	4.83	4.95	0.753	5.91	6.06	0.688
Vermont	9.09	8.59	0.344	4.92	4.92	0.993	19.87	17.59	0.109	7.64	7.41	0.718	9.44	8.89	0.341
Virginia	6.63	6.64	0.971	3.45	3.62	0.674	14.33	14.21	0.900	5.78	5.81	0.947	6.94	6.94	0.990
Washington	7.57	7.67	0.829	4.67	4.47	0.744	15.73	14.42	0.274	6.67	7.03	0.541	7.84	7.97	0.805
West Virginia	5.95	5.53	0.280	3.93	4.24	0.578	12.40	13.04	0.547	5.23	4.60	0.174	6.13	5.65	0.249
Wisconsin	7.47	7.13	0.421	3.90	4.14	0.619	16.86	15.05	0.141	6.37	6.22	0.767	7.83	7.43	0.389
Wyoming	6.27	6.63	0.370	4.23	4.65	0.479	12.64	13.60	0.397	5.53	5.80	0.576	6.48	6.83	0.422

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Respondents were classified as needing substance use treatment if they met the criteria for an illicit drug or alcohol use disorder as defined in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) or received treatment for illicit drug or alcohol use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). Needing But Not Receiving Substance Use Treatment refers to respondents who are classified as needing illicit drug or alcohol treatment, but who did not receive illicit drug or alcohol treatment at a specialty facility. Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 27 Any Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	19.00 ^a	19.86	0.000	26.04 ^a	27.85	0.000	17.88 ^a	18.60	0.001
Northeast	18.53 ^a	19.45	0.004	26.47 ^a	28.27	0.002	17.30 ^a	18.10	0.026
Midwest	19.88 ^a	20.99	0.000	27.47 ^a	29.79	0.000	18.63 ^a	19.58	0.003
South	18.18 ^a	18.74	0.024	24.11 ^a	25.94	0.000	17.24	17.62	0.173
West	19.90 ^a	20.95	0.002	27.44 ^a	28.84	0.021	18.68 ^a	19.70	0.008
Alabama	21.39	21.29	0.910	24.24 ^a	28.13	0.007	20.93	20.22	0.467
Alaska	20.50	21.47	0.218	28.47 ^a	31.90	0.047	19.22	19.84	0.481
Arizona	19.24	20.06	0.334	24.56 ^a	28.50	0.022	18.37	18.70	0.734
Arkansas	20.27	20.34	0.937	25.64	26.86	0.437	19.40	19.29	0.901
California	18.54 ^b	19.49	0.067	26.53	26.63	0.912	17.22 ^b	18.34	0.056
Colorado	21.50 ^a	23.20	0.036	31.44 ^b	34.28	0.089	19.92 ^b	21.47	0.090
Connecticut	19.03	18.85	0.820	28.12	28.73	0.721	17.56	17.27	0.747
Delaware	20.03	20.92	0.289	28.10	30.47	0.155	18.86	19.58	0.446
District of Columbia	22.21	22.83	0.510	27.02	28.23	0.475	21.32	21.85	0.619
Florida	17.39	17.23	0.765	24.38	25.20	0.403	16.45	16.18	0.648
Georgia	18.09	17.88	0.777	24.46	24.92	0.723	17.03	16.73	0.711
Hawaii	17.58	17.45	0.882	25.02	26.99	0.238	16.59	16.22	0.698
Idaho	24.46 ^a	22.48	0.035	30.54	32.09	0.363	23.46 ^a	20.91	0.016
Illinois	18.06 ^b	19.18	0.056	26.42 ^b	28.57	0.081	16.73	17.71	0.139
Indiana	22.51	22.29	0.790	29.43	30.10	0.695	21.32	20.96	0.703
Iowa	19.89 ^b	18.50	0.083	25.59	26.76	0.451	18.88 ^a	17.06	0.046
Kansas	19.59	20.56	0.242	27.09	27.90	0.615	18.26	19.28	0.286
Kentucky	22.14	22.54	0.654	24.71	27.03	0.113	21.73	21.83	0.923
Louisiana	20.63	21.21	0.521	24.87	27.07	0.169	19.95	20.29	0.740
Maine	20.82	22.10	0.159	31.23	32.25	0.540	19.47	20.81	0.178
Maryland	16.96	17.57	0.389	25.32 ^b	28.18	0.076	15.70	16.01	0.698
Massachusetts	21.22	21.15	0.931	28.22	29.55	0.427	20.03	19.73	0.762
Michigan	19.07 ^a	20.32	0.049	25.88 ^a	28.42	0.029	17.95	19.00	0.134
Minnesota	19.32	20.53	0.105	30.77	32.08	0.446	17.53	18.75	0.147
Mississippi	19.49	20.16	0.431	23.40	24.62	0.380	18.83	19.41	0.545
Missouri	21.44	22.71	0.132	27.61 ^a	31.06	0.028	20.45	21.40	0.312
Montana	20.00	20.81	0.334	27.96	28.07	0.945	18.75	19.69	0.321

See notes at end of table.

(continued)

Table 27 Any Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	18.08 ^a	20.30	0.008	26.49 ^a	30.55	0.014	16.60 ^a	18.51	0.043
Nevada	20.67	21.97	0.145	27.17	28.66	0.375	19.75	21.04	0.203
New Hampshire	20.56 ^a	22.37	0.044	28.85 ^a	33.17	0.021	19.30	20.77	0.147
New Jersey	16.14	16.37	0.744	23.25	25.16	0.152	15.09	15.11	0.982
New Mexico	19.10 ^a	21.39	0.008	25.43	27.36	0.208	18.07 ^a	20.44	0.016
New York	18.25 ^a	19.52	0.019	25.96	27.33	0.175	17.03 ^a	18.32	0.037
North Carolina	18.77	19.31	0.446	25.52	26.78	0.337	17.72	18.15	0.591
North Dakota	19.13 ^b	20.50	0.082	27.22	29.07	0.267	17.51	18.83	0.145
Ohio	21.40 ^a	23.64	0.001	27.99 ^a	32.06	0.001	20.36 ^a	22.33	0.012
Oklahoma	20.43 ^a	22.54	0.009	27.50 ^a	31.28	0.025	19.23 ^a	21.08	0.044
Oregon	22.45	23.75	0.161	29.56 ^b	32.60	0.078	21.40	22.48	0.306
Pennsylvania	18.23 ^a	19.70	0.014	27.16 ^a	29.77	0.028	16.87 ^a	18.20	0.048
Rhode Island	21.32	22.38	0.228	24.97 ^a	29.21	0.010	20.68	21.20	0.606
South Carolina	18.31	19.43	0.178	23.53	24.10	0.709	17.52	18.74	0.193
South Dakota	17.49	18.26	0.331	28.51	29.14	0.697	15.65	16.46	0.362
Tennessee	18.26	19.40	0.161	25.39 ^b	28.22	0.092	17.16	18.06	0.323
Texas	16.21 ^b	17.17	0.065	21.42 ^b	23.24	0.072	15.29	16.11	0.159
Utah	25.25 ^b	26.86	0.059	30.79 ^b	33.94	0.068	24.02	25.29	0.200
Vermont	20.65 ^b	22.25	0.052	29.59	30.31	0.675	19.10 ^b	20.87	0.056
Virginia	17.38 ^b	18.58	0.082	25.57 ^a	28.47	0.033	16.08	17.04	0.222
Washington	22.23	23.43	0.184	29.52	31.98	0.169	21.15	22.18	0.303
West Virginia	23.80	24.62	0.405	26.28 ^a	31.71	0.001	23.44	23.62	0.871
Wisconsin	19.26	20.19	0.262	27.49	29.19	0.285	17.94	18.76	0.370
Wyoming	20.34 ^a	22.56	0.013	28.46 ^a	32.22	0.027	19.09 ^a	21.09	0.049

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 2017-2018 and 2018-2019 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, as 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). As such, these estimates are based on indicators of AMI rather than direct measures of diagnostic status. For details, see Section B of the "2018-2019 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 28 *Serious Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs*

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	4.55 ^a	4.91	0.000	7.59 ^a	8.14	0.002	4.06 ^a	4.40	0.001
Northeast	4.22 ^a	4.64	0.003	7.46 ^a	8.14	0.034	3.71 ^a	4.10	0.014
Midwest	4.91 ^a	5.29	0.003	8.16 ^a	9.05	0.003	4.38 ^a	4.68	0.036
South	4.44 ^a	4.74	0.007	7.07 ^a	7.58	0.041	4.02 ^a	4.30	0.029
West	4.66 ^a	5.03	0.014	7.98	8.21	0.487	4.12 ^a	4.53	0.017
Alabama	5.75	5.64	0.769	7.17	8.42	0.112	5.53	5.20	0.467
Alaska	5.40	5.86	0.256	8.96	10.61	0.135	4.83	5.12	0.509
Arizona	4.80 ^a	5.56	0.050	8.05 ^b	9.72	0.064	4.27	4.89	0.151
Arkansas	5.55	5.53	0.963	7.47 ^b	9.14	0.060	5.24	4.95	0.507
California	4.14 ^b	4.53	0.073	7.39	7.11	0.585	3.60 ^a	4.12	0.038
Colorado	5.64	5.53	0.785	9.89	9.68	0.829	4.97	4.89	0.855
Connecticut	4.34	4.50	0.603	8.31	8.54	0.794	3.70	3.86	0.649
Delaware	5.65	5.44	0.595	7.72	7.85	0.887	5.35	5.10	0.566
District of Columbia	4.82	4.92	0.762	6.85	6.75	0.896	4.44	4.59	0.711
Florida	3.90 ^b	4.34	0.071	7.09	7.37	0.611	3.47 ^b	3.95	0.082
Georgia	4.33	4.49	0.584	6.64	6.87	0.713	3.94	4.11	0.637
Hawaii	3.89	4.16	0.421	8.07	7.69	0.657	3.34	3.70	0.319
Idaho	5.61	5.28	0.389	8.93	9.54	0.486	5.06	4.58	0.263
Illinois	4.15	4.51	0.170	7.79	8.61	0.214	3.58	3.87	0.308
Indiana	5.26	5.42	0.659	8.27	9.05	0.388	4.75	4.80	0.896
Iowa	5.38	5.40	0.939	8.66	9.12	0.598	4.79	4.75	0.917
Kansas	5.18	5.74	0.141	8.64	9.93	0.154	4.56	5.00	0.305
Kentucky	5.62	5.76	0.730	7.89	8.39	0.541	5.26	5.34	0.854
Louisiana	5.17	5.30	0.742	6.85 ^b	8.23	0.072	4.90	4.84	0.885
Maine	5.67	6.03	0.400	10.59	11.35	0.463	5.04	5.36	0.496
Maryland	3.94 ^b	4.48	0.061	7.71	8.74	0.211	3.37	3.85	0.134
Massachusetts	4.77	5.16	0.250	8.04	8.88	0.330	4.21	4.54	0.407
Michigan	4.61	5.00	0.153	7.56	8.02	0.444	4.12	4.51	0.203
Minnesota	4.35 ^b	4.89	0.077	8.77	9.09	0.721	3.66 ^b	4.24	0.091
Mississippi	5.41	5.23	0.604	6.93	6.89	0.955	5.15	4.95	0.616
Missouri	5.51	5.56	0.892	7.87	9.09	0.174	5.13	5.00	0.758
Montana	5.36	5.19	0.622	9.09	8.83	0.751	4.78	4.63	0.715

See notes at end of table.

(continued)

Table 28 Serious Mental Illness in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	4.39 ^b	4.92	0.093	7.84	8.86	0.177	3.78	4.24	0.217
Nevada	4.76 ^a	5.63	0.036	7.61	8.73	0.168	4.36 ^b	5.20	0.070
New Hampshire	5.34	4.85	0.194	9.05	9.14	0.923	4.77	4.22	0.178
New Jersey	3.60 ^b	4.08	0.082	7.21	7.39	0.788	3.07 ^b	3.60	0.084
New Mexico	4.51 ^a	5.31	0.048	7.73	8.36	0.431	3.99 ^b	4.82	0.070
New York	3.85 ^a	4.35	0.038	6.82	7.41	0.283	3.38 ^b	3.88	0.065
North Carolina	4.56	4.75	0.565	7.17	7.01	0.817	4.15	4.39	0.511
North Dakota	4.92	5.04	0.697	8.15	8.84	0.430	4.27	4.31	0.921
Ohio	5.37 ^a	6.29	0.005	8.39 ^a	10.27	0.008	4.89 ^a	5.67	0.031
Oklahoma	5.23	5.43	0.590	8.48	8.52	0.962	4.68	4.92	0.584
Oregon	5.27	5.72	0.238	8.76	9.87	0.207	4.76	5.12	0.401
Pennsylvania	4.49 ^b	4.94	0.087	7.42 ^b	8.64	0.055	4.04	4.39	0.237
Rhode Island	4.93	5.05	0.733	7.77	8.64	0.322	4.44	4.43	0.992
South Carolina	4.76	4.89	0.710	7.53	7.25	0.715	4.34	4.53	0.620
South Dakota	4.60 ^a	5.34	0.033	9.39	9.47	0.923	3.80 ^a	4.65	0.033
Tennessee	4.91	5.42	0.177	7.71	8.97	0.153	4.48	4.87	0.351
Texas	3.86 ^a	4.32	0.034	6.45	7.04	0.278	3.40 ^b	3.85	0.068
Utah	6.37	6.31	0.882	10.05	9.49	0.607	5.55	5.60	0.913
Vermont	5.45	5.83	0.317	9.71	10.19	0.606	4.71	5.08	0.392
Virginia	4.12	4.53	0.124	6.89	7.60	0.272	3.68	4.05	0.227
Washington	5.26	5.53	0.479	7.85	9.09	0.174	4.88	5.01	0.755
West Virginia	5.78	5.84	0.862	8.49	9.44	0.283	5.39	5.34	0.912
Wisconsin	5.48	5.26	0.541	8.57	8.89	0.716	4.99	4.68	0.453
Wyoming	4.84 ^b	5.51	0.078	9.03 ^a	10.99	0.042	4.20	4.67	0.254

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 2017-2018 and 2018-2019 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, as 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. As such, these estimates are based on indicators of SMI rather than direct measures of diagnostic status. For details, see Section B of the "2018-2019 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 29 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, 2017-2018 and 2018-2019 NSDUHs

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	14.91 ^a	15.57	0.000	15.03 ^a	16.19	0.000	14.89 ^a	15.48	0.002
Northeast	16.05 ^a	16.96	0.005	16.98 ^a	18.01	0.044	15.91 ^a	16.80	0.014
Midwest	16.81 ^a	17.82	0.000	17.40 ^a	19.08	0.000	16.72 ^a	17.61	0.007
South	13.84	14.11	0.222	13.53 ^a	14.45	0.009	13.89	14.06	0.498
West	14.08 ^a	14.90	0.005	13.88 ^a	15.04	0.014	14.11 ^a	14.88	0.019
Alabama	15.97	15.63	0.692	13.39	14.28	0.444	16.38	15.84	0.578
Alaska	14.01 ^a	17.09	0.000	13.75 ^a	17.05	0.015	14.05 ^a	17.09	0.001
Arizona	14.86	13.66	0.141	11.95	13.46	0.187	15.34 ^b	13.69	0.075
Arkansas	17.06	16.71	0.687	15.29	15.56	0.830	17.35	16.90	0.647
California	11.99 ^a	13.08	0.015	11.99	12.94	0.183	11.99 ^a	13.11	0.027
Colorado	17.27 ^b	18.71	0.094	19.18	20.06	0.544	16.97	18.50	0.113
Connecticut	17.19	17.50	0.738	17.96	18.33	0.780	17.06	17.36	0.777
Delaware	17.44	17.05	0.658	17.46	16.70	0.539	17.44	17.10	0.733
District of Columbia	17.65	16.59	0.214	15.63	15.43	0.879	18.03	16.80	0.208
Florida	12.39	12.08	0.571	13.51	13.38	0.868	12.23	11.91	0.586
Georgia	12.99	12.68	0.634	12.64	13.34	0.464	13.05	12.58	0.523
Hawaii	11.43	10.49	0.205	12.36	11.85	0.636	11.30	10.31	0.231
Idaho	19.72	18.61	0.229	18.84	19.91	0.427	19.86	18.40	0.165
Illinois	14.99 ^a	16.35	0.030	17.05	18.55	0.124	14.66 ^b	16.01	0.056
Indiana	16.99	16.78	0.811	18.25	17.22	0.443	16.77	16.71	0.952
Iowa	18.21	19.36	0.197	20.00	19.48	0.716	17.89	19.34	0.157
Kansas	16.61	17.23	0.490	15.62	17.71	0.105	16.79	17.15	0.723
Kentucky	19.05	19.03	0.986	17.92	17.93	0.994	19.23	19.21	0.983
Louisiana	14.69	15.05	0.632	13.51	15.26	0.125	14.87	15.02	0.866
Maine	19.37	20.48	0.239	22.90	22.87	0.983	18.91	20.17	0.231
Maryland	13.24	13.79	0.461	15.82	15.57	0.832	12.85	13.53	0.420
Massachusetts	20.91	21.01	0.923	19.08 ^b	21.80	0.075	21.22	20.87	0.771
Michigan	16.44	16.97	0.381	15.62 ^a	18.50	0.003	16.57	16.73	0.822
Minnesota	17.31 ^a	19.00	0.045	19.46	20.71	0.380	16.97 ^b	18.73	0.063
Mississippi	13.66	13.67	0.997	12.09	12.49	0.695	13.93	13.86	0.935
Missouri	17.04	17.79	0.387	17.38	18.86	0.290	16.98	17.62	0.518
Montana	15.98 ^b	17.56	0.072	17.23	17.63	0.741	15.78 ^b	17.55	0.075

See notes at end of table.

(continued)

Table 29 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, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	15.01 ^a	18.24	0.000	16.43 ^b	19.07	0.053	14.76 ^a	18.09	0.001
Nevada	14.16	14.09	0.935	12.06	13.15	0.343	14.45	14.22	0.798
New Hampshire	18.51	19.65	0.229	18.28 ^a	22.14	0.016	18.55	19.28	0.481
New Jersey	12.78	13.43	0.321	13.84	14.25	0.697	12.62	13.31	0.344
New Mexico	14.08 ^b	15.48	0.080	13.66	14.58	0.455	14.15	15.63	0.107
New York	14.55 ^b	15.68	0.053	15.87	15.88	0.999	14.34 ^a	15.65	0.047
North Carolina	15.09 ^a	17.50	0.001	13.96	15.56	0.117	15.26 ^a	17.80	0.003
North Dakota	15.71 ^a	17.40	0.047	16.92	18.51	0.227	15.47 ^b	17.18	0.084
Ohio	18.32	19.28	0.147	17.80 ^a	20.17	0.018	18.41	19.14	0.331
Oklahoma	14.65	15.82	0.146	14.73 ^a	17.25	0.043	14.64	15.58	0.298
Oregon	17.13 ^a	18.89	0.039	16.58 ^a	19.23	0.050	17.21 ^b	18.84	0.089
Pennsylvania	16.35 ^a	17.77	0.025	18.27 ^b	20.17	0.070	16.06 ^b	17.42	0.060
Rhode Island	20.15	20.27	0.899	17.39	19.42	0.198	20.64	20.42	0.846
South Carolina	15.61	15.95	0.689	14.29	15.51	0.285	15.81	16.01	0.834
South Dakota	15.14	15.87	0.388	19.07	19.73	0.633	14.48	15.23	0.434
Tennessee	14.92	15.17	0.754	14.20 ^a	17.60	0.010	15.03	14.80	0.805
Texas	11.74	12.06	0.513	11.54	12.33	0.316	11.78	12.01	0.672
Utah	19.46	19.55	0.924	18.94	20.54	0.273	19.59	19.33	0.800
Vermont	22.78	22.16	0.571	21.74	22.24	0.743	22.96	22.14	0.516
Virginia	14.66	14.85	0.771	14.30 ^b	16.23	0.070	14.72	14.64	0.919
Washington	17.03	18.01	0.287	17.25	18.41	0.388	17.00	17.95	0.357
West Virginia	18.56	18.85	0.764	17.43	18.92	0.264	18.72	18.84	0.912
Wisconsin	17.81	19.26	0.118	17.13 ^a	20.54	0.015	17.93	19.06	0.282
Wyoming	14.87 ^a	16.99	0.013	17.88	19.74	0.179	14.41 ^a	16.57	0.023

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 2017-2018 and 2018-2019 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.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 30 Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	7.14 ^a	7.51	0.001	13.84 ^a	15.08	0.000	13.40 ^a	14.48	0.000	6.14 ^a	6.43	0.018
Northeast	6.76 ^a	7.22	0.015	12.34 ^a	13.62	0.002	12.84 ^a	14.43	0.001	5.82	6.12	0.133
Midwest	7.76 ^a	8.14	0.029	14.75 ^a	15.74	0.011	14.26 ^a	15.62	0.001	6.70	6.94	0.205
South	6.80 ^a	7.12	0.026	13.44 ^a	14.59	0.000	12.51 ^a	13.77	0.000	5.91	6.10	0.225
West	7.39 ^a	7.81	0.034	14.71 ^a	16.26	0.001	14.44	14.61	0.729	6.26 ^a	6.73	0.028
Alabama	8.37	8.13	0.633	13.13	14.51	0.155	11.59	13.33	0.107	7.86	7.32	0.326
Alaska	8.05	8.51	0.350	15.21 ^a	17.93	0.017	14.25	16.31	0.117	7.05	7.30	0.644
Arizona	7.16	7.81	0.182	15.93	17.41	0.173	13.22 ^b	15.58	0.061	6.17	6.56	0.472
Arkansas	8.24	7.90	0.498	14.74	16.27	0.154	13.94	14.33	0.739	7.32	6.87	0.420
California	6.72	7.17	0.113	13.71 ^a	15.22	0.035	13.91	13.11	0.308	5.54 ^a	6.22	0.033
Colorado	8.56	8.46	0.841	13.99	15.02	0.351	17.61	17.25	0.777	7.13	7.10	0.955
Connecticut	7.02	7.06	0.914	14.24	14.41	0.876	13.69	15.26	0.202	5.94	5.77	0.710
Delaware	8.03	8.50	0.344	13.05 ^a	15.48	0.013	13.49	15.09	0.195	7.25	7.58	0.534
District of Columbia	8.25	8.29	0.939	10.53	11.36	0.359	13.17	13.57	0.759	7.35	7.35	0.992
Florida	6.14	6.50	0.242	13.17	13.25	0.913	12.33 ^a	13.83	0.045	5.31	5.54	0.498
Georgia	7.09	6.91	0.640	12.52	13.75	0.205	13.65	13.63	0.986	6.01	5.81	0.653
Hawaii	6.22	5.83	0.343	12.93	14.16	0.260	11.82	12.86	0.372	5.48	4.93	0.206
Idaho	8.43	8.25	0.741	16.70	17.44	0.513	16.79	16.71	0.952	7.05	6.87	0.760
Illinois	6.80	7.12	0.361	14.86	15.15	0.748	13.39 ^b	14.89	0.088	5.76	5.91	0.693
Indiana	8.65	8.28	0.440	15.71	16.61	0.398	14.68	14.85	0.886	7.62	7.16	0.398
Iowa	8.27	7.82	0.363	15.09	16.69	0.141	13.52	14.11	0.603	7.34	6.74	0.261
Kansas	7.51	7.89	0.431	14.95	16.53	0.139	13.05	14.55	0.224	6.54	6.73	0.721
Kentucky	8.42	8.49	0.893	13.61	15.15	0.137	12.88	14.15	0.308	7.71	7.60	0.854
Louisiana	8.24	7.81	0.390	12.84	14.14	0.172	12.46	14.16	0.117	7.57	6.82	0.171
Maine	8.26	8.19	0.898	15.45	15.60	0.893	17.09	16.30	0.571	7.12	7.18	0.920
Maryland	6.37	6.81	0.283	13.02 ^b	14.93	0.068	13.72	14.72	0.414	5.27	5.66	0.399
Massachusetts	7.21 ^b	8.08	0.069	13.86 ^b	15.61	0.077	14.30	15.53	0.336	6.01	6.83	0.125
Michigan	7.44 ^a	8.23	0.048	15.36	16.55	0.160	13.46 ^a	15.33	0.034	6.45	7.09	0.137
Minnesota	7.42	7.98	0.210	14.04	15.94	0.105	17.21	16.80	0.761	5.89	6.63	0.131
Mississippi	7.75	7.28	0.332	12.15	12.64	0.618	11.74	11.17	0.595	7.08	6.64	0.419
Missouri	9.07	8.76	0.540	14.78	15.54	0.482	13.35 ^b	15.50	0.091	8.39	7.71	0.225
Montana	7.81	7.93	0.786	14.40	15.11	0.512	15.39	14.57	0.498	6.62	6.91	0.562

See notes at end of table.

(continued)

Table 30 Major Depressive Episode in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	12-17 (2017-2018)	12-17 (2018-2019)	12-17 (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	6.82 ^b	7.59	0.071	14.20	15.50	0.217	13.55 ^b	15.64	0.083	5.64	6.20	0.228
Nevada	7.05 ^a	8.22	0.023	15.11 ^a	17.93	0.029	15.00	15.84	0.526	5.93 ^a	7.17	0.028
New Hampshire	8.17	8.27	0.850	15.08	15.85	0.439	15.07	16.71	0.233	7.12	7.02	0.855
New Jersey	5.58 ^b	6.19	0.098	11.95	12.71	0.409	11.65 ^b	13.48	0.074	4.70	5.14	0.251
New Mexico	7.25	8.06	0.111	17.43	18.60	0.325	14.19	15.28	0.351	6.13	6.92	0.158
New York	6.43	6.82	0.200	11.40 ^a	13.29	0.006	11.71 ^a	13.30	0.038	5.60	5.83	0.484
North Carolina	7.00	7.60	0.142	15.05 ^b	16.68	0.084	12.83	13.71	0.364	6.09	6.65	0.211
North Dakota	8.40	8.52	0.796	13.75	15.07	0.174	14.05	15.29	0.306	7.28	7.21	0.890
Ohio	8.00 ^a	8.84	0.035	13.73	14.73	0.204	14.83 ^a	17.02	0.015	6.93	7.57	0.139
Oklahoma	8.17	8.52	0.506	16.48	17.01	0.650	14.65	16.30	0.191	7.08	7.22	0.807
Oregon	8.86	9.50	0.260	17.57	18.62	0.395	15.32	17.24	0.160	7.92	8.39	0.444
Pennsylvania	7.27	7.69	0.242	11.88	12.88	0.167	13.54 ^b	15.23	0.071	6.32	6.57	0.530
Rhode Island	8.06	8.72	0.203	13.40	14.64	0.253	12.56 ^a	16.13	0.008	7.27	7.45	0.742
South Carolina	6.99	7.27	0.556	13.56	13.82	0.788	12.34	12.89	0.595	6.18	6.44	0.618
South Dakota	6.41 ^a	7.37	0.030	12.53 ^a	15.41	0.006	15.11	15.06	0.965	4.96 ^a	6.11	0.018
Tennessee	6.94 ^b	7.76	0.081	12.27	13.72	0.136	12.59 ^a	15.33	0.032	6.06	6.61	0.280
Texas	5.89 ^b	6.42	0.054	13.20 ^a	14.60	0.046	11.41 ^a	13.06	0.042	4.93	5.27	0.249
Utah	9.97	9.82	0.774	16.64	17.77	0.354	16.09	15.58	0.715	8.61	8.55	0.912
Vermont	8.52	8.75	0.646	14.65	16.36	0.109	15.96	16.30	0.801	7.24	7.46	0.682
Virginia	6.26 ^b	6.98	0.063	14.28	15.57	0.179	12.74	13.56	0.427	5.24 ^b	5.96	0.092
Washington	8.53	8.81	0.604	15.66 ^a	18.22	0.032	14.42 ^b	16.76	0.075	7.66	7.66	0.988
West Virginia	8.81	9.35	0.376	14.66 ^b	16.62	0.073	14.69 ^a	17.27	0.049	7.98	8.25	0.687
Wisconsin	8.14	8.63	0.315	15.31	15.99	0.535	15.30	16.38	0.403	6.99	7.40	0.444
Wyoming	6.98 ^a	7.96	0.038	14.91 ^a	17.59	0.025	14.14 ^b	16.68	0.051	5.89	6.64	0.144

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 2017-2018 and 2018-2019 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 5th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-5), 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 "2018-2019 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.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 31 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, 2017-2018 and 2018-2019 NSDUHs

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	4.34 ^a	4.58	0.005	10.73 ^a	11.39	0.003	3.32 ^a	3.51	0.033
Northeast	4.04 ^a	4.44	0.008	10.35 ^a	11.34	0.010	3.06 ^a	3.39	0.041
Midwest	4.65 ^a	4.95	0.020	11.52 ^a	12.62	0.003	3.53	3.72	0.164
South	4.14	4.24	0.350	10.20	10.63	0.147	3.18	3.25	0.569
West	4.61 ^b	4.89	0.071	11.15	11.52	0.354	3.55 ^b	3.84	0.082
Alabama	4.45	4.83	0.284	10.90	12.25	0.182	3.43	3.67	0.519
Alaska	5.85	6.11	0.558	13.92	14.95	0.410	4.55	4.73	0.704
Arizona	4.43	5.01	0.105	10.87	12.11	0.209	3.38	3.87	0.207
Arkansas	4.71	4.71	0.998	10.80	12.07	0.217	3.72	3.54	0.600
California	4.10 ^a	4.55	0.044	10.23	10.30	0.909	3.09 ^a	3.62	0.027
Colorado	5.51	5.54	0.953	13.33	14.16	0.488	4.28	4.20	0.859
Connecticut	4.48	4.46	0.957	11.73	12.36	0.527	3.32	3.21	0.775
Delaware	5.06	5.18	0.739	10.84	12.01	0.256	4.22	4.23	0.991
District of Columbia	4.17	4.43	0.452	9.01	9.22	0.832	3.28	3.58	0.435
Florida	3.67	4.04	0.124	10.16	10.81	0.339	2.80	3.16	0.172
Georgia	4.03	3.85	0.507	9.49	10.09	0.459	3.13	2.83	0.324
Hawaii	4.59	4.74	0.727	12.09	11.89	0.849	3.60	3.82	0.624
Idaho	5.45	5.30	0.689	12.49	14.05	0.147	4.29	3.87	0.317
Illinois	3.87	4.00	0.587	10.29	11.29	0.218	2.85	2.87	0.949
Indiana	5.23	5.62	0.350	12.41	13.34	0.407	3.99	4.30	0.490
Iowa	5.40	4.94	0.247	11.72	12.36	0.564	4.29	3.66	0.141
Kansas	4.82	4.96	0.698	11.75	12.31	0.597	3.60	3.68	0.839
Kentucky	4.65	4.68	0.916	11.00	11.10	0.918	3.63	3.67	0.913
Louisiana	4.57	4.72	0.685	10.05 ^a	12.25	0.033	3.70	3.54	0.668
Maine	4.81	5.44	0.124	12.93	14.00	0.332	3.76	4.37	0.183
Maryland	4.07	4.34	0.425	10.78 ^b	12.70	0.067	3.07	3.11	0.913
Massachusetts	4.92	4.77	0.687	11.46	12.00	0.594	3.81	3.56	0.534
Michigan	4.13 ^b	4.61	0.091	10.75	11.44	0.364	3.04	3.51	0.131
Minnesota	4.59	4.74	0.663	12.44	13.13	0.533	3.36	3.45	0.804
Mississippi	4.82	5.31	0.167	11.21	12.43	0.204	3.73	4.13	0.309
Missouri	4.72	5.05	0.316	11.91	13.27	0.206	3.58	3.77	0.587
Montana	5.21	4.63	0.108	12.74	11.80	0.362	4.03	3.53	0.186

See notes at end of table.

(continued)

Table 31 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, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	4.29 ^b	4.88	0.073	10.72	12.27	0.138	3.16	3.60	0.202
Nevada	4.65	4.94	0.442	12.05	12.10	0.961	3.61	3.96	0.404
New Hampshire	4.91	4.68	0.526	12.23	12.89	0.525	3.80	3.47	0.393
New Jersey	3.47	3.79	0.248	9.83	10.58	0.416	2.54	2.82	0.346
New Mexico	4.25	4.81	0.114	10.74	11.43	0.511	3.20	3.76	0.137
New York	3.63 ^a	4.21	0.016	9.52	10.14	0.339	2.70 ^a	3.30	0.021
North Carolina	4.57 ^a	3.87	0.025	11.02 ^b	9.58	0.087	3.56 ^b	2.99	0.078
North Dakota	5.11	5.28	0.601	12.06	13.29	0.255	3.72	3.73	0.981
Ohio	5.18 ^a	6.09	0.005	11.99 ^a	14.76	0.001	4.11 ^b	4.75	0.069
Oklahoma	4.53	4.58	0.881	11.21	11.21	0.998	3.41	3.48	0.834
Oregon	5.36	5.65	0.458	12.50	14.13	0.148	4.32	4.44	0.779
Pennsylvania	4.17 ^a	4.83	0.023	10.32 ^a	12.50	0.006	3.24	3.69	0.140
Rhode Island	4.66	4.59	0.839	11.11	11.71	0.581	3.53	3.37	0.683
South Carolina	4.90	4.89	0.986	11.68	11.29	0.709	3.87	3.95	0.853
South Dakota	4.21	4.62	0.206	12.35	12.95	0.571	2.86	3.25	0.253
Tennessee	4.48	4.68	0.567	10.69	11.51	0.402	3.52	3.64	0.744
Texas	3.66	3.86	0.341	9.10	9.01	0.890	2.70	2.97	0.230
Utah	6.47	6.19	0.511	13.74	13.03	0.563	4.85	4.67	0.676
Vermont	5.22	5.66	0.316	12.12	12.79	0.510	4.03	4.44	0.396
Virginia	4.16	4.22	0.844	10.33	11.33	0.264	3.19	3.12	0.817
Washington	5.30	4.92	0.323	11.48	11.91	0.688	4.39	3.90	0.236
West Virginia	5.26	5.44	0.656	11.60 ^a	13.85	0.033	4.35	4.27	0.847
Wisconsin	5.17	4.66	0.162	12.16	11.59	0.574	4.05	3.56	0.218
Wyoming	5.04 ^b	5.74	0.090	12.84	14.76	0.114	3.84	4.37	0.213

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 2017-2018 and 2018-2019 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.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 32 *Made Any Suicide Plans in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs*

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	1.32	1.36	0.316	3.59	3.69	0.452	0.96	1.00	0.368
Northeast	1.18	1.26	0.350	3.36	3.45	0.713	0.84	0.92	0.317
Midwest	1.46	1.58	0.126	4.09	4.42	0.144	1.03	1.13	0.247
South	1.26	1.26	0.993	3.49	3.49	1.000	0.91	0.92	0.949
West	1.39	1.42	0.768	3.46	3.53	0.789	1.06	1.09	0.785
Alabama	1.32	1.47	0.419	3.60	4.16	0.321	0.96	1.05	0.613
Alaska	1.90	1.75	0.511	5.27	5.65	0.674	1.36	1.14	0.366
Arizona	1.56	1.77	0.348	3.50	3.82	0.563	1.25	1.44	0.417
Arkansas	1.55	1.62	0.744	3.34	3.38	0.932	1.26	1.34	0.736
California	1.24	1.22	0.882	2.92	2.83	0.824	0.96	0.96	0.984
Colorado	1.56	1.61	0.823	3.97	3.63	0.587	1.18	1.29	0.600
Connecticut	1.07	1.11	0.837	3.09	3.01	0.899	0.75	0.80	0.718
Delaware	1.62	1.54	0.696	3.91	3.73	0.783	1.29	1.23	0.790
District of Columbia	1.21	1.16	0.774	2.93	2.20	0.169	0.89	0.97	0.644
Florida	0.89 ^b	1.09	0.071	2.93	3.30	0.320	0.62 ^b	0.80	0.099
Georgia	1.32	1.25	0.654	3.39	3.53	0.782	0.98	0.88	0.526
Hawaii	1.30	1.27	0.900	3.87	4.11	0.738	0.96	0.90	0.820
Idaho	1.76	1.92	0.490	4.18	4.84	0.324	1.36	1.44	0.730
Illinois	1.13	1.24	0.441	4.16	4.44	0.588	0.65	0.74	0.516
Indiana	1.85	1.92	0.723	4.22	4.30	0.893	1.44	1.51	0.727
Iowa	1.73	1.84	0.647	4.61	4.97	0.596	1.22	1.29	0.764
Kansas	1.70	1.83	0.524	4.19	4.83	0.345	1.26	1.31	0.824
Kentucky	1.63	1.59	0.858	3.92	3.66	0.654	1.27	1.27	0.993
Louisiana	1.35	1.39	0.801	3.68	4.12	0.454	0.97	0.97	0.969
Maine	1.56	1.58	0.917	4.95	5.32	0.633	1.12	1.11	0.949
Maryland	1.16	1.22	0.707	3.87	4.24	0.526	0.76	0.78	0.909
Massachusetts	1.28	1.19	0.596	3.50	3.50	0.998	0.90	0.80	0.540
Michigan	1.27	1.34	0.616	3.62	3.61	0.986	0.89	0.97	0.518
Minnesota	1.35	1.45	0.597	4.16	4.54	0.555	0.91	0.98	0.718
Mississippi	1.66	1.67	0.987	3.89	4.06	0.769	1.28	1.27	0.948
Missouri	1.59	1.60	0.944	4.18	4.05	0.828	1.18	1.22	0.809
Montana	1.65	1.44	0.298	3.87	3.88	0.973	1.30	1.06	0.251

See notes at end of table.

(continued)

Table 32 Made Any Suicide Plans in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	1.52 ^b	1.92	0.085	4.04	5.12	0.115	1.08	1.36	0.225
Nevada	1.32	1.35	0.886	4.35	4.33	0.975	0.90	0.94	0.828
New Hampshire	1.36	1.29	0.702	3.94	4.37	0.513	0.97	0.83	0.474
New Jersey	0.97	0.94	0.843	3.46	3.10	0.529	0.60	0.63	0.829
New Mexico	1.20	1.32	0.460	3.85	4.22	0.512	0.77	0.87	0.580
New York	1.08	1.22	0.293	2.98	2.81	0.632	0.78	0.98	0.165
North Carolina	1.31	1.26	0.751	3.33	3.25	0.870	0.99	0.95	0.783
North Dakota	1.94	1.75	0.424	4.48	4.52	0.952	1.43	1.21	0.347
Ohio	1.53 ^a	1.84	0.050	3.83 ^a	4.86	0.033	1.16	1.37	0.199
Oklahoma	1.54	1.47	0.710	4.81	4.72	0.903	0.98	0.92	0.734
Oregon	1.52	1.72	0.341	4.20	4.82	0.362	1.13	1.27	0.494
Pennsylvania	1.36	1.54	0.213	3.63 ^b	4.40	0.095	1.02	1.11	0.506
Rhode Island	1.57	1.47	0.599	3.61	4.28	0.294	1.22	0.99	0.255
South Carolina	1.73	1.62	0.602	4.36	3.55	0.141	1.33	1.34	0.984
South Dakota	1.50	1.70	0.350	4.40	5.10	0.257	1.02	1.14	0.573
Tennessee	1.46	1.50	0.843	3.52	3.87	0.523	1.14	1.14	0.975
Texas	1.20	1.05	0.214	3.36	2.89	0.239	0.83	0.73	0.429
Utah	2.00	2.01	0.964	4.46	4.50	0.948	1.45	1.45	0.989
Vermont	1.47	1.58	0.582	4.35	4.55	0.780	0.97	1.07	0.609
Virginia	1.20	1.19	0.987	3.56	3.68	0.806	0.82	0.81	0.908
Washington	1.51	1.50	0.976	4.08	4.52	0.509	1.13	1.06	0.722
West Virginia	1.55	1.78	0.299	3.78	4.82	0.116	1.24	1.35	0.616
Wisconsin	1.58	1.53	0.800	4.49	4.45	0.951	1.11	1.06	0.826
Wyoming	1.65	1.85	0.388	4.65	4.83	0.803	1.19	1.40	0.388

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Respondents were asked whether they made any suicide plans in the past 12 months only if they had serious thoughts of suicide in the past 12 months. Respondents who had no suicide thoughts were categorized as not making any suicide plans in the past 12 months.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Table 33 *Attempted Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs*

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Total U.S.	0.57	0.57	0.855	1.92	1.87	0.630	0.36	0.37	0.853
Northeast	0.54	0.57	0.492	1.69	1.74	0.744	0.36	0.40	0.460
Midwest	0.64	0.61	0.571	2.00	1.85	0.317	0.42	0.41	0.918
South	0.58	0.56	0.706	1.94	1.91	0.795	0.36	0.35	0.790
West	0.54	0.54	0.945	1.97	1.91	0.704	0.31	0.33	0.742
Alabama	0.50	0.54	0.674	1.94	2.28	0.422	0.27	0.27	0.987
Alaska	0.58	0.47	0.252	2.62	2.38	0.625	0.25	0.17	0.276
Arizona	0.68	0.71	0.774	2.31	2.44	0.759	0.41	0.43	0.867
Arkansas	0.75	0.73	0.850	2.08	2.06	0.948	0.53	0.51	0.873
California	0.46	0.49	0.739	1.62	1.52	0.636	0.27	0.32	0.496
Colorado	0.54	0.57	0.746	2.07	2.12	0.886	0.30	0.33	0.695
Connecticut	0.45	0.39	0.401	1.62	1.54	0.793	0.27	0.21	0.358
Delaware	0.68	0.56	0.178	2.55	2.29	0.561	0.41	0.32	0.246
District of Columbia	0.52	0.51	0.980	1.54	1.28	0.476	0.33	0.38	0.656
Florida	0.50	0.49	0.852	2.03	2.03	0.988	0.30	0.29	0.862
Georgia	0.58	0.57	0.904	2.07	2.14	0.855	0.33	0.31	0.794
Hawaii	0.47	0.43	0.658	2.59	2.43	0.767	0.19	0.17	0.772
Idaho	0.77	0.74	0.754	1.84	1.72	0.702	0.60	0.58	0.874
Illinois	0.43	0.34	0.177	1.82	1.41	0.153	0.21	0.18	0.508
Indiana	0.75	0.72	0.761	1.97	1.93	0.916	0.54	0.52	0.778
Iowa	0.72	0.67	0.634	2.00	1.97	0.939	0.50	0.45	0.600
Kansas	0.71	0.69	0.869	2.15	2.07	0.851	0.45	0.45	0.975
Kentucky	0.73	0.66	0.437	2.14	2.01	0.749	0.50	0.44	0.471
Louisiana	0.63	0.66	0.809	2.12	2.36	0.554	0.39	0.39	0.973
Maine	0.64	0.63	0.902	2.27	2.28	0.995	0.43	0.42	0.926
Maryland	0.50	0.47	0.737	1.75	1.66	0.807	0.31	0.29	0.817
Massachusetts	0.46	0.36	0.293	1.62	1.56	0.876	0.26	0.16	0.170
Michigan	0.63	0.64	0.899	1.91	1.93	0.955	0.42	0.44	0.866
Minnesota	0.52	0.46	0.379	1.95	1.96	0.974	0.30	0.23	0.239
Mississippi	0.69	0.63	0.584	2.51	2.10	0.349	0.37	0.38	0.942
Missouri	0.80	0.73	0.565	2.43	2.02	0.380	0.54	0.53	0.959
Montana	0.56	0.56	0.939	2.03	2.20	0.658	0.33	0.31	0.851

See notes at end of table.

(continued)

Table 33 Attempted Suicide in the Past Year, by Age Group and State: Percentages, Annual Averages, and P Values from Tests of Differences between Percentages, 2017-2018 and 2018-2019 NSDUHs (continued)

State	18+ (2017-2018)	18+ (2018-2019)	18+ (P Value)	18-25 (2017-2018)	18-25 (2018-2019)	18-25 (P Value)	26+ (2017-2018)	26+ (2018-2019)	26+ (P Value)
Nebraska	0.69	0.69	0.964	1.77	1.89	0.756	0.50	0.48	0.841
Nevada	0.62	0.65	0.774	2.85	2.77	0.885	0.31	0.36	0.599
New Hampshire	0.64	0.64	0.995	2.04	2.15	0.788	0.43	0.42	0.910
New Jersey	0.46	0.48	0.820	1.56	1.49	0.823	0.30	0.34	0.674
New Mexico	0.55	0.60	0.565	2.22	2.33	0.806	0.27	0.33	0.478
New York	0.50	0.60	0.216	1.55	1.50	0.837	0.34	0.47	0.116
North Carolina	0.58	0.51	0.350	1.80	1.81	0.982	0.39	0.30	0.217
North Dakota	0.73	0.78	0.601	2.08	2.01	0.865	0.47	0.55	0.347
Ohio	0.68	0.70	0.812	1.95	1.97	0.949	0.48	0.50	0.774
Oklahoma	0.75	0.66	0.477	2.08	2.11	0.946	0.53	0.42	0.398
Oregon	0.68	0.60	0.420	2.58	2.52	0.904	0.40	0.32	0.379
Pennsylvania	0.69	0.76	0.401	1.95	2.32	0.252	0.49	0.53	0.700
Rhode Island	0.46	0.46	0.947	1.66	2.06	0.248	0.26	0.18	0.294
South Carolina	0.65	0.56	0.412	2.24	1.87	0.373	0.41	0.37	0.676
South Dakota	0.70	0.76	0.650	1.98	2.36	0.396	0.49	0.50	0.950
Tennessee	0.70	0.71	0.954	2.01	2.36	0.431	0.49	0.45	0.720
Texas	0.54	0.54	0.976	1.76	1.55	0.383	0.32	0.37	0.565
Utah	0.95	0.92	0.816	2.71	2.64	0.891	0.56	0.54	0.846
Vermont	0.48	0.42	0.493	1.88	1.76	0.713	0.24	0.20	0.548
Virginia	0.52	0.53	0.914	1.71	1.79	0.811	0.33	0.33	0.995
Washington	0.51	0.42	0.282	2.17	2.06	0.772	0.27	0.19	0.236
West Virginia	0.75	0.79	0.729	2.12	2.43	0.492	0.55	0.56	0.958
Wisconsin	0.75	0.75	0.987	2.28	1.80	0.246	0.50	0.58	0.343
Wyoming	0.70	0.61	0.384	2.40	2.08	0.459	0.44	0.39	0.585

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 2017-2018 and 2018-2019 population percentages. The "Total U.S." estimates, along with the *p* values, are based on design-based (direct) estimation methods.

NOTE: Respondents were asked whether they attempted suicide in the past 12 months only if they had serious thoughts of suicide in the past 12 months. Respondents who had no suicide thoughts were categorized as not attempting suicide in the past 12 months.

^a Difference between the 2017-2018 and 2018-2019 population percentages is statistically significant at the 0.05 level.

^b Difference between the 2017-2018 and 2018-2019 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, 2017, 2018, and 2019.

Methodology Used to Estimate the Bayes Significance Level for the Null Hypothesis of No Change between the 2017-2018 and 2018-2019 State Population Percentages

This discussion focuses on the methodology used to conduct statistical tests of significance for comparing National Survey on Drug Use and Health (NSDUH) state population percentages between 2017-2018 and 2018-2019. Estimates shown in [Tables 1](#) to [33](#) earlier in this document are based on the small area estimation (SAE) procedure. The moving average state estimates for the overlapping 2017-2018 and 2018-2019 time periods were obtained from independent applications of the survey-weighted hierarchical Bayes (SWHB) methodology; that is, the 2018-2019 models were fit independently of the previously fitted 2017-2018 models. This independent analysis approach was followed because there was no desire to revise the previously published 2017-2018 estimates. The same fixed predictor variables were used in the 2017-2018 and 2018-2019 models, but annual updates were made when more current versions were available.¹ 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.¹

To determine whether differences between population percentages of a state over two time periods were statistically significant, let $\pi_{sa(1)}$ and $\pi_{sa(2)}$ denote the 2017-2018 and 2018-2019 population percentages, respectively, for state- s and age group- a . The difference 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 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 follows:

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

In this equation, the \ln denotes the natural logarithm. The p value given in each of the tables in this document (i.e., [Tables 1](#) to [33](#)) is computed to test the null hypothesis of no difference (i.e., $\pi_{sa(2)} = \pi_{sa(1)}$ or equivalently, $lor_{sa} = 0$). An estimate of lor_{sa} is given by

¹ For details, see Section B in the "2018-2019 National Survey on Drug Use and Health: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.

$$l\hat{O}r_{sa} = \ln \left[\frac{\hat{\pi}_{sa(2)} / (1 - \hat{\pi}_{sa(2)})}{\hat{\pi}_{sa(1)} / (1 - \hat{\pi}_{sa(1)})} \right],$$

where $\hat{\pi}_{sa(1)}$ are the previously published 2017-2018 state estimates and $\hat{\pi}_{sa(2)}$ are the 2018-2019 state estimates. Both the 2017-2018 and 2018-2019 state estimates are presented in [Tables 1 to 33](#) above and elsewhere at <https://www.samhsa.gov/data/>.

$$\text{Let } \hat{\theta}_1 = \frac{\hat{\pi}_{sa(1)}}{1 - \hat{\pi}_{sa(1)}} \text{ and } \hat{\theta}_2 = \frac{\hat{\pi}_{sa(2)}}{1 - \hat{\pi}_{sa(2)}}, \text{ noting that subscript } sa \text{ has been dropped from } \hat{\theta}_1$$

and $\hat{\theta}_2$ in order to simplify the notation. An estimate of the posterior variance of $l\hat{O}r_{sa}$ is given by the following formula:

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

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 $v(l\hat{O}r_{sa})$ are the same posterior variances used in calculating the previously published 2017-2018 Bayesian confidence intervals (CIs) and the 2018-2019 Bayesian CIs, respectively.

The correlation between $\ln(\hat{\theta}_1)$ and $\ln(\hat{\theta}_2)$ was obtained by simultaneously modeling the 2017, 2018, and 2019 NSDUH data. Note that these models used the same predictors employed in the 2018-2019 SAE model for all 3 years. This simultaneous modeling approach was adopted based on the results of the validation study² 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 (2017, 2018, and 2019), 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 12×12 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)

² 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.

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, for past year heroin use, the above-mentioned model did not converge. A different model that is based on simultaneous modeling of 2017-2018 and 2018-2019 data where 2018 data are repeated twice is used to obtain the correlations between 2017-2018 and 2018-2019 past year heroin use estimates. For more information about this model, see the "National Survey on Drug Use and Health: Comparison of 2014-2015 and 2015-2016 population percentages" at <https://www.samhsa.gov/data/>.

To calculate the p value for testing the null hypothesis of no difference ($lor_{sa} = 0$), it is assumed that the posterior distribution of lor_{sa} is normal with estimated $mean = \hat{lor}_{sa}$ and $variance = v(\hat{lor}_{sa})$. The Bayesian p value or significance level for the null hypothesis of no difference ($lor_{sa} = 0$) is $p\ value = 2 * P[Z \geq abs(z)]$, where Z is a standard normal random variate, $z = \frac{\hat{lor}_{sa}}{\sqrt{v(\hat{lor}_{sa})}}$, and $abs(z)$ denotes the absolute value of z . This Bayesian significance level (or p value) for the null value of lor_{sa} , say lor_0 , is defined following Rubin³ as the posterior probability for the collection of the lor_{sa} values that are less likely or have smaller posterior density $d(lor_{sa})$ than the null (no change) value lor_0 . That is,

$$p\ value(lor_0) = probability[d(lor_{sa}) \leq d(lor_0)].$$

With the posterior distribution of lor_{sa} approximately normal, $p\ value(lor_0)$ is given by the above expression.

³ 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.

