

Substate Region Estimates Categorized into Seven Groups from Lowest to Highest Estimate, by Age Group: Annual Averages Based on 2016, 2017, and 2018 NSDUHS									
Table	Age Group	Number of Estimates Suppressed ¹	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7
Table 1: Illicit Drug Use in the Past Month	12 to 17	33	5.86 or Lower	5.87 - 6.36	6.37 - 7.10	7.11 - 8.77	8.78 - 10.42	10.43 - 11.88	11.89 or Higher
	18 to 25	164	15.17 or Lower	15.18 - 17.33	17.34 - 19.95	19.96 - 26.35	26.36 - 31.56	31.57 - 36.28	36.29 or Higher
	26 or Older	1	5.69 or Lower	5.70 - 6.63	6.64 - 7.79	7.80 - 10.36	10.37 - 14.53	14.54 - 17.79	17.80 or Higher
	18 or Older	0	7.07 or Lower	7.08 - 8.25	8.26 - 9.57	9.58 - 12.53	12.54 - 16.89	16.90 - 20.20	20.21 or Higher
Table 2: Marijuana Use in the Past Year	12 to 17	37	9.00 or Lower	9.01 - 9.77	9.78 - 11.28	11.29 - 13.78	13.79 - 15.37	15.38 - 17.85	17.86 or Higher
	18 to 25	240	23.12 or Lower	23.13 - 25.77	25.78 - 29.55	29.56 - 37.90	37.91 - 44.45	44.46 - 49.58	49.59 or Higher
	26 or Older	3	7.19 or Lower	7.20 - 8.48	8.49 - 9.88	9.89 - 13.53	13.54 - 18.20	18.21 - 22.01	22.02 or Higher
	18 or Older	3	9.61 or Lower	9.62 - 10.94	10.95 - 12.67	12.68 - 16.89	16.90 - 21.72	21.73 - 25.21	25.22 or Higher
Table 3: Marijuana Use in the Past Month	12 to 17	34	4.57 or Lower	4.58 - 5.16	5.17 - 5.79	5.80 - 7.35	7.36 - 8.81	8.82 - 10.40	10.41 or Higher
	18 to 25	150	13.56 or Lower	13.57 - 15.50	15.51 - 18.28	18.29 - 24.09	24.10 - 30.02	30.03 - 34.52	34.53 or Higher
	26 or Older	3	4.44 or Lower	4.45 - 5.19	5.20 - 6.26	6.27 - 8.74	8.75 - 12.63	12.64 - 15.66	15.67 or Higher
	18 or Older	0	5.81 or Lower	5.82 - 6.78	6.79 - 7.94	7.95 - 10.87	10.88 - 15.08	15.09 - 18.12	18.13 or Higher
Table 4: Perceptions of Great Risk from Smoking Marijuana Once a Month	12 to 17	40	16.60 or Lower	16.61 - 19.31	19.32 - 22.10	22.11 - 25.62	25.63 - 28.92	28.93 - 31.19	31.20 or Higher
	18 to 25	68	6.88 or Lower	6.89 - 8.42	8.43 - 10.33	10.34 - 12.80	12.81 - 15.64	15.65 - 18.83	18.84 or Higher
	26 or Older	3	16.73 or Lower	16.74 - 20.15	20.16 - 24.61	24.62 - 29.28	29.29 - 33.84	33.85 - 38.33	38.34 or Higher
	18 or Older	1	15.76 or Lower	15.77 - 18.55	18.56 - 22.61	22.62 - 27.07	27.08 - 31.23	31.24 - 35.55	35.56 or Higher
Table 5: First Use of Marijuana	12 to 17	32	3.45 or Lower	3.46 - 4.03	4.04 - 4.81	4.82 - 6.15	6.16 - 7.30	7.31 - 8.47	8.48 or Higher
	18 to 25	41	5.33 or Lower	5.34 - 5.93	5.94 - 7.10	7.11 - 9.21	9.22 - 11.40	11.41 - 13.90	13.91 or Higher
	26 or Older	112	0.29 or Lower	0.30 - 0.33	0.34 - 0.40	0.41 - 0.54	0.55 - 0.84	0.85 - 1.13	1.14 or Higher
	18 or Older	2	0.97 or Lower	0.98 - 1.14	1.15 - 1.34	1.35 - 1.76	1.77 - 2.31	2.32 - 2.88	2.89 or Higher
Table 6: Illicit Drug Use Other Than Marijuana in the Past Month	12 to 17	69	1.86 or Lower	1.87 - 2.03	2.04 - 2.26	2.27 - 2.58	2.59 - 2.86	2.87 - 3.16	3.17 or Higher
	18 to 25	58	4.59 or Lower	4.60 - 5.19	5.20 - 5.96	5.97 - 7.24	7.25 - 8.65	8.66 - 10.01	10.02 or Higher
	26 or Older	4	2.02 or Lower	2.03 - 2.30	2.31 - 2.60	2.61 - 3.05	3.06 - 3.48	3.49 - 3.92	3.93 or Higher
	18 or Older	0	2.49 or Lower	2.50 - 2.77	2.78 - 3.06	3.07 - 3.58	3.59 - 4.13	4.14 - 4.78	4.79 or Higher
Table 7: Cocaine Use in the Past Year	12 to 17	276	0.27 or Lower	0.28 - 0.35	0.36 - 0.46	0.47 - 0.59	0.60 - 0.69	0.70 - 0.82	0.83 or Higher
	18 to 25	88	2.96 or Lower	2.97 - 3.71	3.72 - 4.58	4.59 - 6.12	6.13 - 7.96	7.97 - 10.13	10.14 or Higher
	26 or Older	18	0.81 or Lower	0.82 - 0.97	0.98 - 1.22	1.23 - 1.62	1.63 - 2.09	2.10 - 2.72	2.73 or Higher
	18 or Older	0	1.23 or Lower	1.24 - 1.41	1.42 - 1.69	1.70 - 2.25	2.26 - 2.80	2.81 - 3.87	3.88 or Higher
Table 8: Perceptions of Great Risk from Using Cocaine Once a Month	12 to 17	36	50.26 or Lower	50.27 - 52.18	52.19 - 53.92	53.93 - 56.13	56.14 - 57.84	57.85 - 59.30	59.31 or Higher
	18 to 25	99	52.10 or Lower	52.11 - 56.27	56.28 - 61.02	61.03 - 66.08	66.09 - 69.38	69.39 - 72.37	72.38 or Higher
	26 or Older	0	64.10 or Lower	64.11 - 69.03	69.04 - 72.70	72.71 - 76.79	76.80 - 79.95	79.96 - 82.77	82.78 or Higher
	18 or Older	0	62.87 or Lower	62.88 - 67.27	67.28 - 71.17	71.18 - 75.12	75.13 - 78.31	78.32 - 81.28	81.29 or Higher
Table 9: Heroin Use in the Past Year	12 to 17 ²	--	--	--	--	--	--	--	--
	18 to 25	260	0.22 or Lower	0.23 - 0.33	0.34 - 0.48	0.49 - 0.75	0.76 - 1.04	1.05 - 1.29	1.30 or Higher
	26 or Older	165	0.15 or Lower	0.16 - 0.19	0.20 - 0.27	0.28 - 0.36	0.37 - 0.51	0.52 - 0.65	0.66 or Higher
	18 or Older	58	0.18 or Lower	0.19 - 0.22	0.23 - 0.30	0.31 - 0.41	0.42 - 0.57	0.58 - 0.71	0.72 or Higher

Substate Region Estimates Categorized into Seven Groups from Lowest to Highest Estimate, by Age Group: Annual Averages Based on 2016, 2017, and 2018 NSDUHS									
Table	Age Group	Number of Estimates Suppressed ¹	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7
Table 10: Perceptions of Great Risk from Trying Heroin Once or Twice	12 to 17	34	60.19 or Lower	60.20 - 62.04	62.05 - 64.15	64.16 - 66.33	66.34 - 68.40	68.41 - 70.08	70.09 or Higher
	18 to 25	43	77.89 or Lower	77.90 - 79.58	79.59 - 81.48	81.49 - 83.69	83.70 - 85.04	85.05 - 86.44	86.45 or Higher
	26 or Older	0	83.84 or Lower	83.85 - 86.07	86.08 - 88.16	88.17 - 90.41	90.42 - 91.67	91.68 - 92.37	92.38 or Higher
	18 or Older	0	83.35 or Lower	83.36 - 85.24	85.25 - 87.18	87.19 - 89.35	89.36 - 90.73	90.74 - 91.51	91.52 or Higher
Table 11: Methamphetamine Use in the Past Year	12 to 17	388	0.09 or Lower	0.10 - 0.12	0.13 - 0.15	0.16 - 0.20	0.21 - 0.26	0.27 - 0.34	0.35 or Higher
	18 to 25	208	0.18 or Lower	0.19 - 0.35	0.36 - 0.70	0.71 - 1.27	1.28 - 1.79	1.80 - 2.31	2.32 or Higher
	26 or Older	84	0.22 or Lower	0.23 - 0.32	0.33 - 0.46	0.47 - 0.78	0.79 - 1.00	1.01 - 1.18	1.19 or Higher
	18 or Older	29	0.23 or Lower	0.24 - 0.33	0.34 - 0.49	0.50 - 0.86	0.87 - 1.09	1.10 - 1.29	1.30 or Higher
Table 12: Pain Reliever Misuse in the Past Year	12 to 17	52	2.26 or Lower	2.27 - 2.56	2.57 - 2.97	2.98 - 3.39	3.40 - 3.69	3.70 - 4.25	4.26 or Higher
	18 to 25	40	5.40 or Lower	5.41 - 5.88	5.89 - 6.45	6.46 - 7.16	7.17 - 7.70	7.71 - 8.37	8.38 or Higher
	26 or Older	1	2.94 or Lower	2.95 - 3.25	3.26 - 3.51	3.52 - 3.96	3.97 - 4.28	4.29 - 4.66	4.67 or Higher
	18 or Older	0	3.29 or Lower	3.30 - 3.66	3.67 - 3.98	3.99 - 4.39	4.40 - 4.70	4.71 - 5.06	5.07 or Higher
Table 13: Alcohol Use in the Past Month	12 to 17	32	6.85 or Lower	6.86 - 7.94	7.95 - 9.06	9.07 - 10.28	10.29 - 11.46	11.47 - 12.44	12.45 or Higher
	18 to 25	216	42.21 or Lower	42.22 - 47.88	47.89 - 53.75	53.76 - 60.24	60.25 - 65.94	65.95 - 70.60	70.61 or Higher
	26 or Older	26	38.09 or Lower	38.10 - 45.24	45.25 - 52.58	52.59 - 59.14	59.15 - 63.81	63.82 - 67.57	67.58 or Higher
	18 or Older	13	38.60 or Lower	38.61 - 46.02	46.03 - 52.82	52.83 - 59.25	59.26 - 63.95	63.96 - 67.90	67.91 or Higher
Table 14: Binge Alcohol Use in the Past Month	12 to 17	35	3.63 or Lower	3.64 - 4.22	4.23 - 4.74	4.75 - 5.58	5.59 - 6.17	6.18 - 6.80	6.81 or Higher
	18 to 25	176	26.06 or Lower	26.07 - 30.08	30.09 - 34.32	34.33 - 40.31	40.32 - 45.66	45.67 - 49.76	49.77 or Higher
	26 or Older	0	18.70 or Lower	18.71 - 21.42	21.43 - 23.56	23.57 - 26.37	26.38 - 28.66	28.67 - 32.05	32.06 or Higher
	18 or Older	0	20.01 or Lower	20.02 - 22.81	22.82 - 25.13	25.14 - 28.13	28.14 - 30.90	30.91 - 34.52	34.53 or Higher
Table 15: Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	12 to 17	32	35.44 or Lower	35.45 - 36.93	36.94 - 39.82	39.83 - 44.02	44.03 - 47.06	47.07 - 49.34	49.35 or Higher
	18 to 25	42	27.97 or Lower	27.98 - 29.59	29.60 - 32.86	32.87 - 38.19	38.20 - 42.58	42.59 - 45.48	45.49 or Higher
	26 or Older	0	37.09 or Lower	37.10 - 39.12	39.13 - 41.63	41.64 - 46.23	46.24 - 49.69	49.70 - 52.36	52.37 or Higher
	18 or Older	0	35.64 or Lower	35.65 - 37.84	37.85 - 40.48	40.49 - 45.19	45.20 - 48.41	48.42 - 51.34	51.35 or Higher
Table 16: Tobacco Product Use in the Past Month	12 to 17	42	2.76 or Lower	2.77 - 3.40	3.41 - 4.50	4.51 - 6.27	6.28 - 7.89	7.90 - 9.31	9.32 or Higher
	18 to 25	173	18.34 or Lower	18.35 - 22.62	22.63 - 28.89	28.90 - 34.12	34.13 - 38.30	38.31 - 41.81	41.82 or Higher
	26 or Older	0	15.27 or Lower	15.28 - 18.23	18.24 - 23.46	23.47 - 28.26	28.27 - 32.02	32.03 - 36.11	36.12 or Higher
	18 or Older	0	15.60 or Lower	15.61 - 19.00	19.01 - 24.29	24.30 - 28.99	29.00 - 32.88	32.89 - 36.47	36.48 or Higher
Table 17: Cigarette Use in the Past Month	12 to 17	49	1.63 or Lower	1.64 - 2.05	2.06 - 2.92	2.93 - 4.24	4.25 - 5.51	5.52 - 6.60	6.61 or Higher
	18 to 25	195	14.46 or Lower	14.47 - 17.63	17.64 - 21.80	21.81 - 26.02	26.03 - 29.57	29.58 - 32.80	32.81 or Higher
	26 or Older	1	12.37 or Lower	12.38 - 14.83	14.84 - 18.74	18.75 - 22.71	22.72 - 26.05	26.06 - 29.53	29.54 or Higher
	18 or Older	0	12.81 or Lower	12.82 - 15.20	15.21 - 19.32	19.33 - 23.00	23.01 - 26.40	26.41 - 29.84	29.85 or Higher
Table 18: Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	12 to 17	32	58.86 or Lower	58.87 - 61.80	61.81 - 63.68	63.69 - 67.46	67.47 - 70.09	70.10 - 72.64	72.65 or Higher
	18 to 25	44	58.09 or Lower	58.10 - 60.21	60.22 - 63.02	63.03 - 67.64	67.65 - 71.25	71.26 - 74.17	74.18 or Higher
	26 or Older	0	65.37 or Lower	65.38 - 67.04	67.05 - 69.27	69.28 - 73.73	73.74 - 77.14	77.15 - 79.20	79.21 or Higher
	18 or Older	0	64.52 or Lower	64.53 - 66.19	66.20 - 68.52	68.53 - 72.90	72.91 - 75.98	75.99 - 78.35	78.36 or Higher

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Table	Age Group	Number of Estimates Suppressed ¹	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6	Group 7
Table 19: Illicit Drug Use Disorder in the Past Year	12 to 17	55	2.31 or Lower	2.32 - 2.52	2.53 - 2.84	2.85 - 3.33	3.34 - 3.85	3.86 - 4.29	4.30 or Higher
	18 to 25	46	5.55 or Lower	5.56 - 6.14	6.15 - 6.66	6.67 - 7.82	7.83 - 8.85	8.86 - 10.05	10.06 or Higher
	26 or Older	9	1.54 or Lower	1.55 - 1.76	1.77 - 1.94	1.95 - 2.25	2.26 - 2.59	2.60 - 3.05	3.06 or Higher
	18 or Older	0	2.18 or Lower	2.19 - 2.38	2.39 - 2.63	2.64 - 3.02	3.03 - 3.50	3.51 - 4.07	4.08 or Higher
Table 20: Pain Reliever Use Disorder in the Past Year	12 to 17	287	0.36 or Lower	0.37 - 0.40	0.41 - 0.44	0.45 - 0.49	0.50 - 0.54	0.55 - 0.61	0.62 or Higher
	18 to 25	205	0.55 or Lower	0.56 - 0.66	0.67 - 0.85	0.86 - 1.01	1.02 - 1.14	1.15 - 1.25	1.26 or Higher
	26 or Older	63	0.44 or Lower	0.45 - 0.51	0.52 - 0.59	0.60 - 0.68	0.69 - 0.79	0.80 - 0.89	0.90 or Higher
	18 or Older	18	0.47 or Lower	0.48 - 0.54	0.55 - 0.63	0.64 - 0.73	0.74 - 0.83	0.84 - 0.92	0.93 or Higher
Table 21: Alcohol Use Disorder in the Past Year	12 to 17	108	1.32 or Lower	1.33 - 1.48	1.49 - 1.70	1.71 - 2.07	2.08 - 2.38	2.39 - 2.77	2.78 or Higher
	18 to 25	52	7.42 or Lower	7.43 - 8.43	8.44 - 9.36	9.37 - 11.32	11.33 - 13.04	13.05 - 14.87	14.88 or Higher
	26 or Older	0	3.85 or Lower	3.86 - 4.29	4.30 - 4.71	4.72 - 5.51	5.52 - 6.23	6.24 - 7.33	7.34 or Higher
	18 or Older	0	4.41 or Lower	4.42 - 4.91	4.92 - 5.43	5.44 - 6.29	6.30 - 7.23	7.24 - 8.32	8.33 or Higher
Table 22: Substance Use Disorder in the Past Year	12 to 17	42	3.12 or Lower	3.13 - 3.37	3.38 - 3.82	3.83 - 4.44	4.45 - 5.09	5.10 - 5.70	5.71 or Higher
	18 to 25	129	11.24 or Lower	11.25 - 12.45	12.46 - 13.82	13.83 - 16.26	16.27 - 18.38	18.39 - 20.74	20.75 or Higher
	26 or Older	0	5.18 or Lower	5.19 - 5.63	5.64 - 6.11	6.12 - 7.06	7.07 - 7.96	7.97 - 9.14	9.15 or Higher
	18 or Older	0	6.09 or Lower	6.10 - 6.65	6.66 - 7.19	7.20 - 8.36	8.37 - 9.31	9.32 - 10.48	10.49 or Higher
Table 23: Needing But Not Receiving Treatment at a Specialty Facility for Illicit Drug Use in the Past Year	12 to 17	60	2.08 or Lower	2.09 - 2.27	2.28 - 2.57	2.58 - 3.06	3.07 - 3.56	3.57 - 4.00	4.01 or Higher
	18 to 25	52	5.12 or Lower	5.13 - 5.59	5.60 - 6.13	6.14 - 7.22	7.23 - 8.24	8.25 - 9.57	9.58 or Higher
	26 or Older	10	1.32 or Lower	1.33 - 1.45	1.46 - 1.64	1.65 - 1.91	1.92 - 2.25	2.26 - 2.66	2.67 or Higher
	18 or Older	0	1.87 or Lower	1.88 - 2.07	2.08 - 2.27	2.28 - 2.64	2.65 - 3.05	3.06 - 3.66	3.67 or Higher
Table 24: Needing But Not Receiving Treatment at a Specialty Facility for Alcohol Use in the Past Year	12 to 17	112	1.30 or Lower	1.31 - 1.43	1.44 - 1.64	1.65 - 1.95	1.96 - 2.24	2.25 - 2.55	2.56 or Higher
	18 to 25	43	7.19 or Lower	7.20 - 7.97	7.98 - 9.01	9.02 - 11.00	11.01 - 12.61	12.62 - 13.85	13.86 or Higher
	26 or Older	0	3.69 or Lower	3.70 - 4.09	4.10 - 4.53	4.54 - 5.33	5.34 - 5.96	5.97 - 6.82	6.83 or Higher
	18 or Older	0	4.25 or Lower	4.26 - 4.63	4.64 - 5.22	5.23 - 6.10	6.11 - 6.90	6.91 - 7.70	7.71 or Higher
Table 25: Needing But Not Receiving Treatment at a Specialty Facility for Substance Use in the Past Year	12 to 17	44	2.92 or Lower	2.93 - 3.18	3.19 - 3.59	3.60 - 4.20	4.21 - 4.72	4.73 - 5.26	5.27 or Higher
	18 to 25	156	10.33 or Lower	10.34 - 11.67	11.68 - 13.14	13.15 - 15.40	15.41 - 17.25	17.26 - 19.68	19.69 or Higher
	26 or Older	0	4.78 or Lower	4.79 - 5.15	5.16 - 5.58	5.59 - 6.43	6.44 - 7.21	7.22 - 8.24	8.25 or Higher
	18 or Older	0	5.59 or Lower	5.60 - 6.11	6.12 - 6.64	6.65 - 7.67	7.68 - 8.59	8.60 - 9.81	9.82 or Higher
Table 26: Serious Mental Illness in the Past Year	18 to 25	40	5.58 or Lower	5.59 - 6.07	6.08 - 6.92	6.93 - 7.79	7.80 - 8.54	8.55 - 9.18	9.19 or Higher
	26 or Older	0	3.08 or Lower	3.09 - 3.52	3.53 - 3.97	3.98 - 4.63	4.64 - 5.07	5.08 - 5.46	5.47 or Higher
	18 or Older ³	0	3.49 or Lower	3.50 - 3.90	3.91 - 4.43	4.44 - 5.05	5.06 - 5.45	5.46 - 5.93	5.94 or Higher
Table 27: Any Mental Illness in the Past Year	18 to 25	41	19.94 or Lower	19.95 - 22.13	22.14 - 24.08	24.09 - 26.48	26.49 - 28.45	28.46 - 29.98	29.99 or Higher
	26 or Older	0	14.90 or Lower	14.91 - 16.28	16.29 - 17.48	17.49 - 19.14	19.15 - 21.12	21.13 - 23.16	23.17 or Higher
	18 or Older ³	0	15.82 or Lower	15.83 - 17.16	17.17 - 18.52	18.53 - 20.05	20.06 - 21.82	21.83 - 23.69	23.70 or Higher

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Table 28: Received Mental Health Services in the Past Year	18 to 25	40	9.84 or Lower	9.85 - 11.40	11.41 - 13.63	13.64 - 17.13	17.14 - 19.04	19.05 - 20.62	20.63 or Higher
	26 or Older	0	11.00 or Lower	11.01 - 12.57	12.58 - 14.35	14.36 - 17.05	17.06 - 18.56	18.57 - 20.42	20.43 or Higher
	18 or Older ³	0	10.85 or Lower	10.86 - 12.50	12.51 - 14.35	14.36 - 17.03	17.04 - 18.53	18.54 - 20.45	20.46 or Higher
Table 29: Had Serious Thoughts of Suicide in the Past Year	18 to 25	40	8.62 or Lower	8.63 - 9.20	9.21 - 9.86	9.87 - 10.83	10.84 - 11.55	11.56 - 12.51	12.52 or Higher
	26 or Older	0	2.53 or Lower	2.54 - 2.84	2.85 - 3.24	3.25 - 3.71	3.72 - 4.17	4.18 - 4.50	4.51 or Higher
	18 or Older ³	0	3.42 or Lower	3.43 - 3.73	3.74 - 4.18	4.19 - 4.65	4.66 - 5.20	5.21 - 5.66	5.67 or Higher
Table 30: Major Depressive Episode in the Past Year	12 to 17	35	11.11 or Lower	11.12 - 12.26	12.27 - 13.17	13.18 - 14.46	14.47 - 15.43	15.44 - 16.17	16.18 or Higher
	18 to 25	40	9.94 or Lower	9.95 - 10.79	10.80 - 12.18	12.19 - 13.66	13.67 - 14.85	14.86 - 16.06	16.07 or Higher
	26 or Older	0	4.85 or Lower	4.86 - 5.38	5.39 - 5.99	6.00 - 6.82	6.83 - 7.43	7.44 - 8.06	8.07 or Higher
	18 or Older ³	0	5.64 or Lower	5.65 - 6.32	6.33 - 6.90	6.91 - 7.71	7.72 - 8.36	8.37 - 8.99	9.00 or Higher
-- Not available.									
NOTE: These scales are a companion piece to the <i>2016-2018 National Surveys on Drug Use and Health: Substate Age Group Tables</i> at https://www.samhsa.gov/data/ . Estimates are based on a survey-weighted hierarchical Bayes estimation approach.									
NOTE: All 406 substate regions were used to create these groups instead of the 395 substate regions that were used to create the national maps representing the 12 or older age group. Estimates for these 406 substate regions have been ranked from lowest to highest for each measure and age group and divided into seven categories. The three lowest groups (shown in shades of blue) represent the lowest third of the estimates, with the lowest group having 18 substate regions, the next lowest group having 37 substate regions, and the next lowest group having 80 substate regions (except in cases of ties where the numbers may vary a little). The three highest groups (shown in shades of yellow) were created similarly. The middle group (group 4 shown in white) represents the 136 substate regions that fall into the middle third. The only exceptions to the colors were the five perception-of-risk outcomes in the rows for Table 4 (marijuana), Table 8 (cocaine), Table 10 (heroin), Table 15 (alcohol), and Table 18 (cigarettes), which have the highest estimates represented in blue and the lowest estimates represented in yellow to reflect the inverse relationship between substance use and perception of risk of using that substance. In some cases, a group (or category) could have more or fewer substate regions because two or more substate regions had the same estimate when rounded to two decimal places. When such ties occurred at the "boundary" between two groups, all substate regions that had the same estimate were assigned to the lower group. The upper and lower limits of each of the seven categories define a continuum and are not necessarily the actual values of the particular area (i.e., the lower limit of group 2 is defined by adding 0.01 to the upper limit of group 1).									
¹ For details on the suppression criteria, see the <i>2016-2018 National Surveys on Drug Use and Health: Substate Age Group Tables</i> at https://www.samhsa.gov/data/ .									
² The past year heroin use estimates for youths aged 12 to 17 were low and had an abbreviated range; therefore, no substate region grouping was made for this age group.									
³ Note that substate maps are produced for adults aged 18 or older for these outcomes using 395 substate areas (a combination of substate and aggregate regions). Because the ranges of estimates for each group shown here are based on all 406 substate regions, they may differ from the ranges shown in the national maps.									
Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2016, 2017, and 2018.									