Table 36.1 Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of Great Risk of Smoking Marijuana Once a Month in Ohio among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

		ijuana Use ast Month	Average Annual Rate of First Use of Marijuana ¹		Perceptions of Great Risk of Smoking Marijuana Once a Month	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Ohio	4.41	(4.01 - 4.85)	1.55	(1.44 - 1.67)	42.57	(41.01 - 44.16)
Boards 2, 46, 55, and 68	4.20	(3.21 - 5.49)	1.71	(1.34 - 2.19)	46.73	(42.28 - 51.23)
Boards 3, 52, and 85	3.45	(2.54 - 4.68)	1.43	(1.09 - 1.87)	43.37	(38.75 - 48.10)
Boards 4 and 78	3.84	(2.83 - 5.19)	1.30	(0.98 - 1.72)	44.95	(40.13 - 49.85)
Boards 5 and 60	4.66	(3.52 - 6.14)	1.80	(1.40 - 2.30)	45.69	(41.26 - 50.19)
Boards 7, 15, 41, 79, and 84	3.30	(2.41 - 4.49)	1.14	(0.87 - 1.48)	48.18	(43.68 - 52.72)
Boards 8, 13, and 83	3.67	(2.69 - 4.99)	1.55	(1.21 - 1.99)	41.44	(36.71 - 46.32)
Board 9 (Butler)	4.79	(3.59 - 6.36)	1.96	(1.45 - 2.63)	42.03	(37.34 - 46.87)
Board 12	4.96	(3.72 - 6.60)	2.03	(1.55 - 2.65)	39.69	(35.10 - 44.47)
Boards 18 and 47	4.31	(3.48 - 5.33)	1.33	(1.11 - 1.60)	42.72	(39.40 - 46.10)
Boards 20, 32, 54, and 69	3.79	(2.82 - 5.06)	1.39	(1.08 - 1.80)	46.72	(42.18 - 51.32)
Boards 21, 39, 51, 70, and 80	3.91	(2.91 - 5.22)	1.33	(1.05 - 1.69)	44.09	(39.80 - 48.46)
Boards 22, 74, and 87	3.10	(2.27 - 4.22)	1.37	(1.04 - 1.80)	46.20	(41.75 - 50.72)
Boards 23 and 45	4.10	(3.02 - 5.57)	1.79	(1.35 - 2.37)	39.71	(34.99 - 44.64)
Board 25 (Franklin)	6.92	(5.74 - 8.33)	2.15	(1.80 - 2.58)	37.11	(33.94 - 40.39)
Boards 27, 71, and 73	3.28	(2.39 - 4.49)	1.35	(1.04 - 1.76)	50.56	(46.11 - 55.01)
Boards 28, 43, and 67	3.86	(2.90 - 5.11)	1.65	(1.31 - 2.07)	40.40	(36.14 - 44.80)
Board 31 (Hamilton)	4.81	(3.76 - 6.13)	1.40	(1.12 - 1.75)	38.62	(34.97 - 42.41)
Board 48 (Lucas)	4.40	(3.26 - 5.91)	1.69	(1.31 - 2.19)	44.19	(39.75 - 48.72)
Board 50 (Mahoning)	4.09	(2.98 - 5.57)	1.23	(0.92 - 1.64)	44.99	(40.01 - 50.08)
Board 57 (Montgomery)	4.16	(3.17 - 5.45)	1.43	(1.11 - 1.83)	41.15	(36.92 - 45.51)
Board 76 (Stark)	4.61	(3.47 - 6.10)	1.50	(1.15 - 1.96)	42.32	(37.67 - 47.11)
Board 77 (Summit)	4.82	(3.69 - 6.27)	1.89	(1.47 - 2.45)	38.32	(34.19 - 42.62)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 1999-2001 National Surveys on Drug Use and Health*.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

Average Annual Rate = {(Number of Marijuana Initiates in past 24 months)/[(Number of Marijuana Initiates in past 24 months * 0.5) + Number of persons who never used marijuana]}/2. Both the computation components, Number of Marijuana Initiates in past 24 months and Number of persons who never used marijuana, are based on a survey-weighted hierarchical Bayes estimation approach. Note that the age group is based on a respondent's age at the time of the interview, not his or her age at first use. The prediction intervals for Average Annual Rate of First Use of Marijuana use a simultaneous solution for First Use of Marijuana and Never Used Marijuana outcomes, which had random effects that were allowed to be correlated across the two outcomes. The associated Markov Chain Monte Carlo chains were used to calculate the posterior variance.

Table 36.2 Any Illicit Drug Use in Past Month, Any Illicit Drug Use Other than Marijuana in Past Month, and Cocaine Use in Past Year in Ohio among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

	Illicit Drug Use in Past Month ¹		Any Illicit Drug Use Other Than Marijuana in Past Month ¹		Cocaine Use in Past Year	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Ohio	5.79	(5.31 - 6.32)	2.47	(2.18 - 2.80)	1.38	(1.15 - 1.64)
Boards 2, 46, 55, and 68	5.58	(4.33 - 7.17)	2.40	(1.81 - 3.19)	1.26	(0.90 - 1.75)
Boards 3, 52, and 85	4.49	(3.35 - 6.00)	2.20	(1.63 - 2.94)	1.21	(0.85 - 1.72)
Boards 4 and 78	4.90	(3.66 - 6.54)	2.32	(1.69 - 3.16)	1.22	(0.87 - 1.72)
Boards 5 and 60	6.08	(4.64 - 7.92)	2.61	(1.96 - 3.47)	1.29	(0.92 - 1.82)
Boards 7, 15, 41, 79, and 84	4.63	(3.54 - 6.04)	2.21	(1.64 - 2.95)	1.10	(0.77 - 1.56)
Boards 8, 13, and 83	5.15	(3.93 - 6.71)	2.43	(1.83 - 3.23)	1.41	(1.00 - 1.99)
Board 9 (Butler)	6.58	(4.98 - 8.64)	2.68	(2.01 - 3.57)	1.54	(1.09 - 2.17)
Board 12	6.42	(4.86 - 8.43)	2.59	(1.93 - 3.48)	1.42	(1.01 - 1.99)
Boards 18 and 47	5.58	(4.53 - 6.84)	2.28	(1.73 - 2.99)	1.38	(0.96 - 1.98)
Boards 20, 32, 54, and 69	4.82	(3.66 - 6.32)	2.31	(1.69 - 3.16)	1.24	(0.88 - 1.73)
Boards 21, 39, 51, 70, and 80	5.08	(3.86 - 6.67)	2.20	(1.63 - 2.97)	1.32	(0.93 - 1.87)
Boards 22, 74, and 87	3.93	(2.90 - 5.32)	2.18	(1.59 - 2.98)	1.29	(0.92 - 1.81)
Boards 23 and 45	5.36	(4.03 - 7.10)	2.48	(1.85 - 3.30)	1.29	(0.91 - 1.82)
Board 25 (Franklin)	8.88	(7.36 - 10.69)	3.25	(2.56 - 4.13)	1.90	(1.43 - 2.52)
Boards 27, 71, and 73	4.25	(3.19 - 5.64)	2.26	(1.70 - 3.01)	1.25	(0.86 - 1.81)
Boards 28, 43, and 67	5.18	(4.00 - 6.68)	2.23	(1.68 - 2.96)	1.16	(0.84 - 1.59)
Board 31 (Hamilton)	5.95	(4.73 - 7.47)	2.37	(1.82 - 3.08)	1.46	(1.04 - 2.05)
Board 48 (Lucas)	6.01	(4.55 - 7.90)	2.63	(1.94 - 3.56)	1.29	(0.90 - 1.86)
Board 50 (Mahoning)	5.28	(3.95 - 7.02)	2.35	(1.69 - 3.26)	1.20	(0.83 - 1.75)
Board 57 (Montgomery)	5.87	(4.56 - 7.51)	2.57	(1.96 - 3.36)	1.53	(1.07 - 2.19)
Board 76 (Stark)	6.49	(4.92 - 8.52)	2.71	(2.00 - 3.66)	1.18	(0.83 - 1.68)
Board 77 (Summit)	6.42	(4.91 - 8.35)	2.68	(2.00 - 3.59)	1.33	(0.93 - 1.89)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 1999-2001 National Surveys on Drug Use and Health*.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ Any Illicit Drug includes marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or any prescription-type psychotherapeutic used nonmedically. Any Illicit Drug Other Than Marijuana includes cocaine (including crack), heroin, hallucinogens, inhalants, or any prescription-type psychotherapeutic used nonmedically.

Table 36.3 Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week in Ohio among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

	Alcohol Use in Past Month				Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Ohio	46.47	(44.95 - 47.99)	21.53	(20.43 - 22.67)	42.42	(40.87 - 43.99)
Boards 2, 46, 55, and 68	44.72	(39.63 - 49.93)	21.79	(18.62 - 25.34)	42.33	(37.93 - 46.86)
Boards 3, 52, and 85	46.01	(40.70 - 51.40)	20.00	(16.87 - 23.55)	42.70	(37.90 - 47.64)
Boards 4 and 78	45.36	(39.50 - 51.35)	22.25	(18.69 - 26.26)	40.45	(35.60 - 45.49)
Boards 5 and 60	40.25	(35.51 - 45.18)	22.64	(19.30 - 26.38)	39.53	(35.28 - 43.95)
Boards 7, 15, 41, 79, and 84	40.99	(35.95 - 46.23)	20.90	(17.66 - 24.57)	40.14	(35.62 - 44.84)
Boards 8, 13, and 83	43.70	(38.30 - 49.24)	20.49	(17.21 - 24.20)	41.33	(36.65 - 46.16)
Board 9 (Butler)	48.87	(43.13 - 54.64)	22.69	(19.08 - 26.77)	40.15	(35.57 - 44.90)
Board 12	48.36	(42.50 - 54.26)	22.81	(19.17 - 26.92)	40.66	(35.76 - 45.74)
Boards 18 and 47	45.03	(41.35 - 48.77)	18.76	(16.42 - 21.35)	46.70	(43.17 - 50.27)
Boards 20, 32, 54, and 69	49.19	(43.74 - 54.66)	25.21	(21.09 - 29.82)	37.80	(33.29 - 42.54)
Boards 21, 39, 51, 70, and 80	43.15	(38.18 - 48.27)	19.78	(16.75 - 23.22)	42.87	(38.44 - 47.41)
Boards 22, 74, and 87	48.51	(43.46 - 53.59)	23.15	(19.77 - 26.92)	41.48	(37.19 - 45.90)
Boards 23 and 45	49.18	(43.56 - 54.83)	22.36	(18.81 - 26.37)	38.28	(33.75 - 43.02)
Board 25 (Franklin)	54.21	(50.60 - 57.78)	24.69	(22.19 - 27.38)	42.76	(39.35 - 46.25)
Boards 27, 71, and 73	31.61	(27.15 - 36.43)	19.16	(16.13 - 22.62)	43.47	(39.02 - 48.02)
Boards 28, 43, and 67	51.34	(46.11 - 56.54)	21.76	(18.68 - 25.20)	41.12	(36.83 - 45.56)
Board 31 (Hamilton)	51.43	(47.37 - 55.48)	22.40	(19.53 - 25.56)	42.09	(38.50 - 45.76)
Board 48 (Lucas)	47.15	(41.93 - 52.44)	23.09	(19.54 - 27.06)	43.80	(39.22 - 48.48)
Board 50 (Mahoning)	43.23	(37.47 - 49.17)	21.57	(17.97 - 25.67)	41.78	(36.76 - 46.98)
Board 57 (Montgomery)	42.12	(37.08 - 47.33)	19.51	(16.47 - 22.95)	44.46	(40.06 - 48.95)
Board 76 (Stark)	45.77	(40.40 - 51.23)	20.28	(17.13 - 23.85)	42.14	(37.49 - 46.93)
Board 77 (Summit)	51.85	(46.94 - 56.72)	23.07	(19.66 - 26.88)	40.41	(36.01 - 44.97)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 1999-2001 National Surveys on Drug Use and Health*.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ Binge Alcohol Use is defined as drinking five or more drinks 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.

Table 36.4 Cigarette Use in Past Month, Any Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day in Ohio among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month ¹		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Ohio	29.43	(28.11 - 30.78)	34.20	(32.83 - 35.60)	64.57	(63.21 - 65.91)
Boards 2, 46, 55, and 68	31.30	(27.25 - 35.65)	35.42	(31.13 - 39.95)	63.53	(59.10 - 67.74)
Boards 3, 52, and 85	26.81	(22.94 - 31.07)	31.46	(27.30 - 35.95)	63.89	(59.14 - 68.39)
Boards 4 and 78	31.21	(26.59 - 36.25)	36.35	(31.46 - 41.55)	64.54	(59.41 - 69.36)
Boards 5 and 60	35.28	(30.94 - 39.87)	39.85	(35.40 - 44.48)	62.36	(57.65 - 66.85)
Boards 7, 15, 41, 79, and 84	32.46	(28.18 - 37.06)	38.28	(33.64 - 43.15)	61.04	(56.26 - 65.61)
Boards 8, 13, and 83	27.45	(23.70 - 31.54)	33.21	(28.95 - 37.75)	62.88	(58.00 - 67.51)
Board 9 (Butler)	29.00	(25.01 - 33.34)	34.17	(29.63 - 39.01)	65.21	(60.42 - 69.71)
Board 12	31.31	(26.77 - 36.23)	35.76	(31.09 - 40.71)	63.81	(58.63 - 68.69)
Boards 18 and 47	27.38	(24.34 - 30.65)	31.84	(28.69 - 35.15)	66.93	(63.54 - 70.16)
Boards 20, 32, 54, and 69	31.40	(27.03 - 36.11)	37.55	(32.67 - 42.69)	59.64	(54.73 - 64.36)
Boards 21, 39, 51, 70, and 80	26.92	(23.34 - 30.82)	31.16	(27.07 - 35.58)	64.53	(60.11 - 68.72)
Boards 22, 74, and 87	27.67	(24.01 - 31.66)	33.06	(29.02 - 37.37)	64.75	(60.25 - 69.01)
Boards 23 and 45	30.38	(26.15 - 34.97)	35.91	(31.44 - 40.64)	64.32	(59.64 - 68.74)
Board 25 (Franklin)	29.75	(26.79 - 32.88)	34.06	(30.93 - 37.33)	66.30	(62.88 - 69.56)
Boards 27, 71, and 73	33.91	(29.72 - 38.37)	41.44	(36.73 - 46.32)	61.93	(57.22 - 66.42)
Boards 28, 43, and 67	27.23	(23.54 - 31.25)	30.99	(27.16 - 35.09)	62.25	(57.50 - 66.78)
Board 31 (Hamilton)	26.63	(23.57 - 29.92)	30.93	(27.64 - 34.42)	65.81	(62.15 - 69.29)
Board 48 (Lucas)	30.06	(25.86 - 34.63)	33.55	(29.15 - 38.24)	64.50	(59.85 - 68.89)
Board 50 (Mahoning)	29.70	(25.29 - 34.53)	35.63	(30.93 - 40.62)	64.45	(59.07 - 69.49)
Board 57 (Montgomery)	28.89	(24.88 - 33.25)	32.22	(27.98 - 36.78)	67.30	(63.03 - 71.30)
Board 76 (Stark)	30.79	(26.71 - 35.19)	36.10	(31.56 - 40.90)	63.86	(59.09 - 68.36)
Board 77 (Summit)	31.24	(27.31 - 35.45)	36.19	(31.96 - 40.64)	64.61	(60.30 - 68.69)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 1999-2001 National Surveys on Drug Use and Health.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

¹ Any Tobacco product includes cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

Figure 36.1.1 *Marijuana Use in Past Month* among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

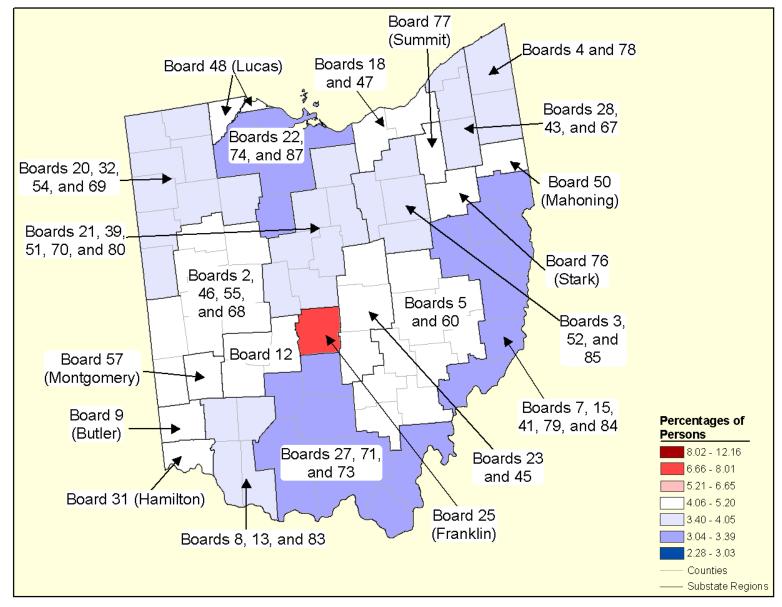


Figure 36.1.2 First Use of Marijuana among Persons Aged 12 or Older in Ohio, by Substate Region: Average Annual Rates Based on 1999, 2000, and 2001 NSDUHs

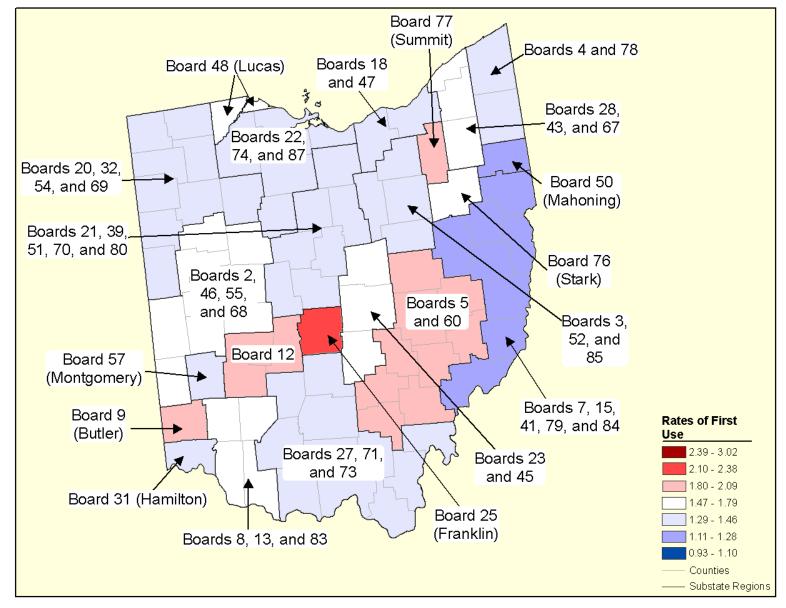


Figure 36.1.3 Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

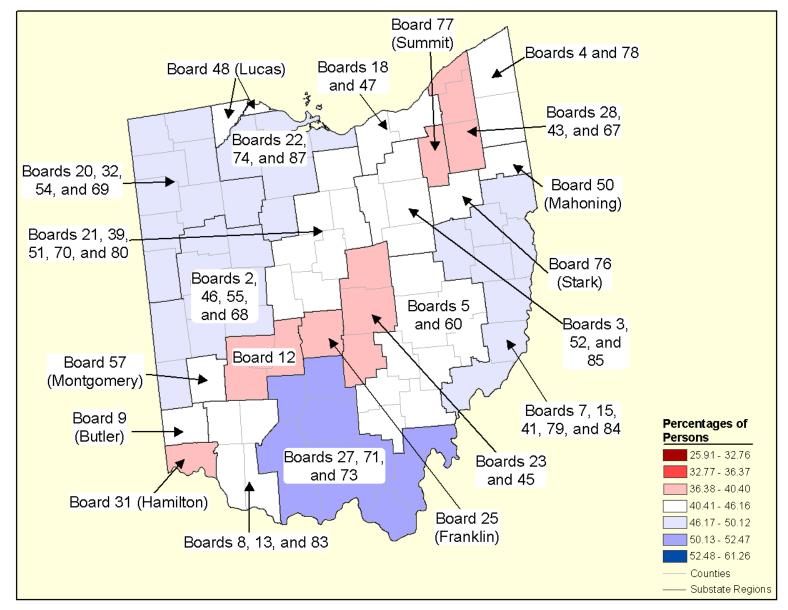


Figure 36.2.1 Any Illicit Drug Use in Past Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

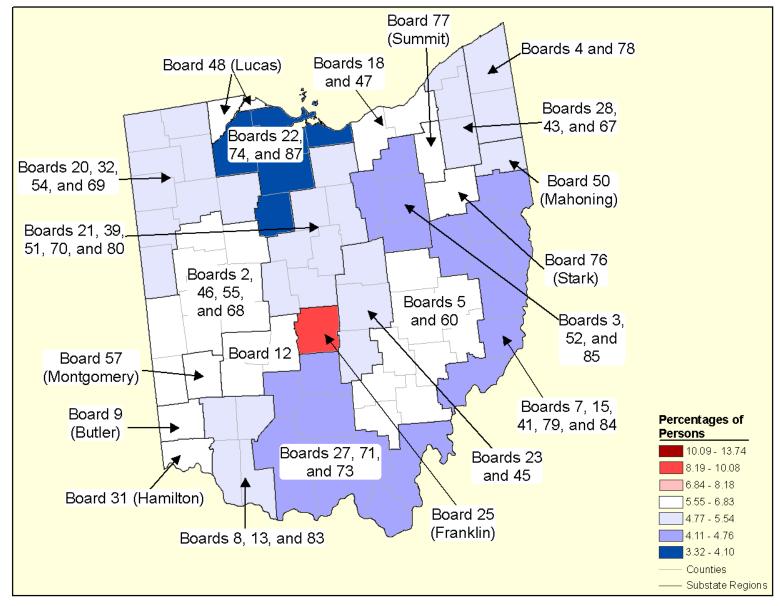


Figure 36.2.2 Any Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

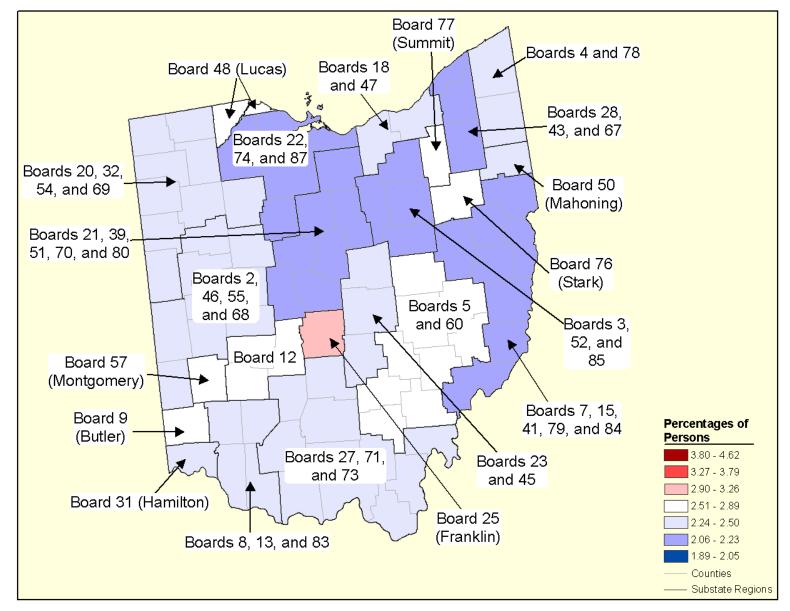
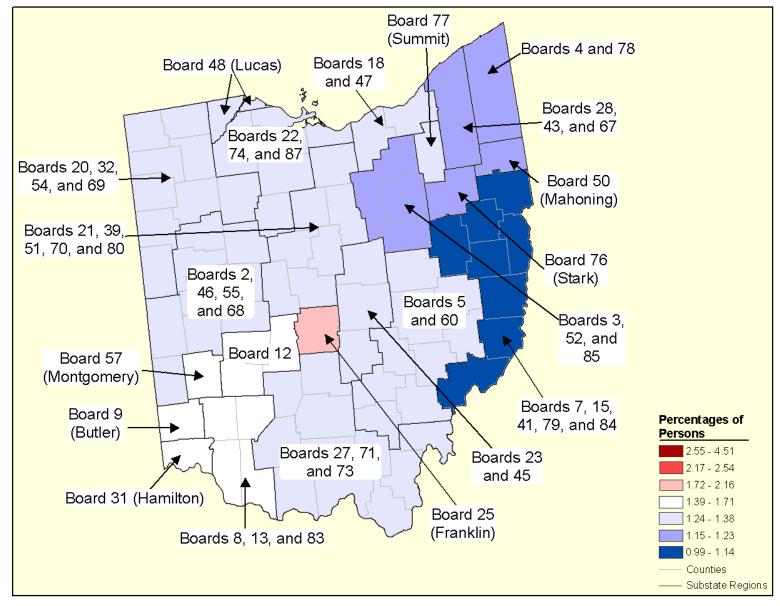


Figure 36.2.3 Cocaine Use in Past Year among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs



NOTE: The legend's ranges were created by dividing 331 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 1999-2001 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 1999, 2000, and 2001.

Figure 36.3.1 Alcohol Use in Past Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

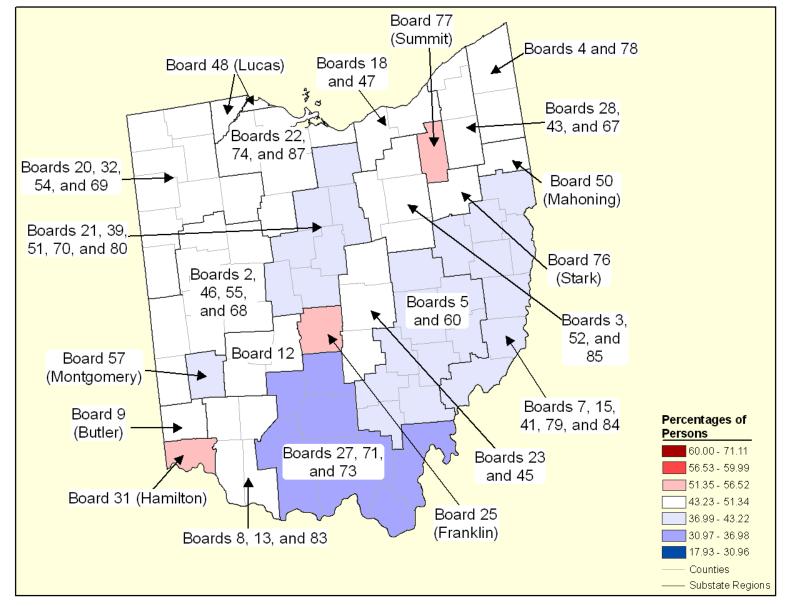


Figure 36.3.2 Binge Alcohol Use in Past Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

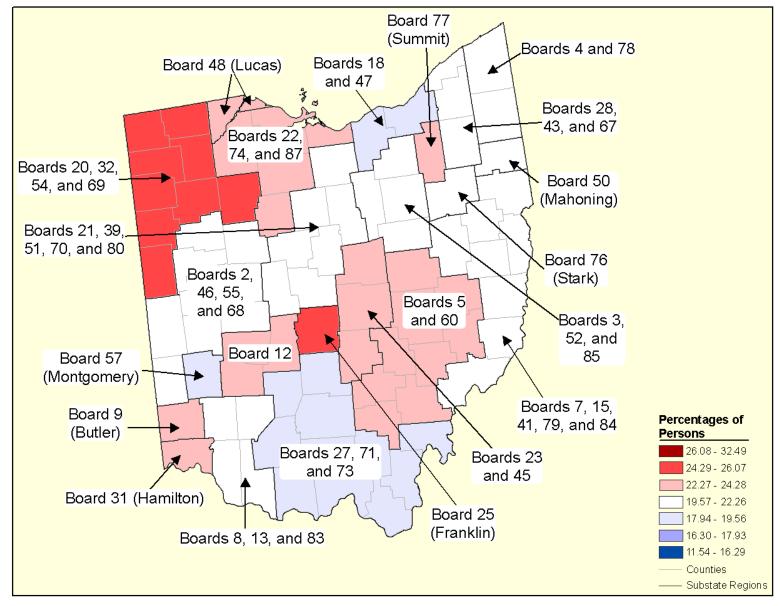


Figure 36.3.3 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

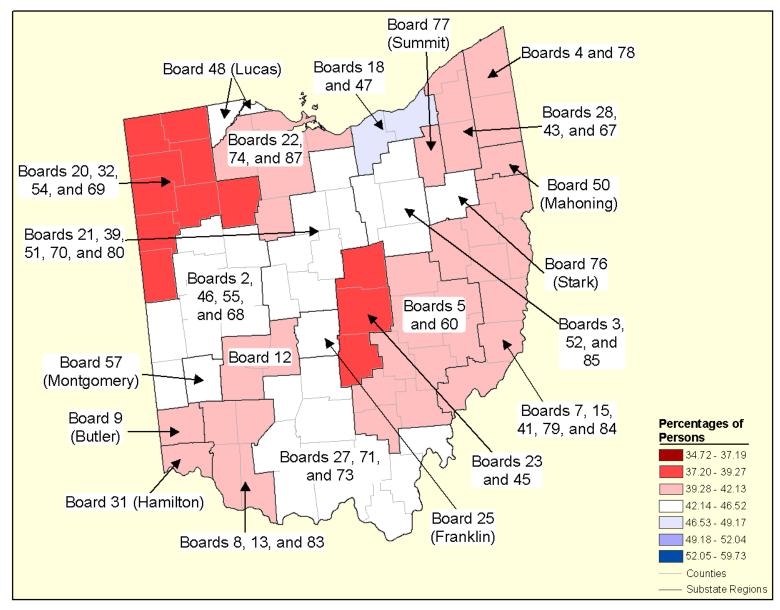


Figure 36.4.1 Cigarette Use in Past Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

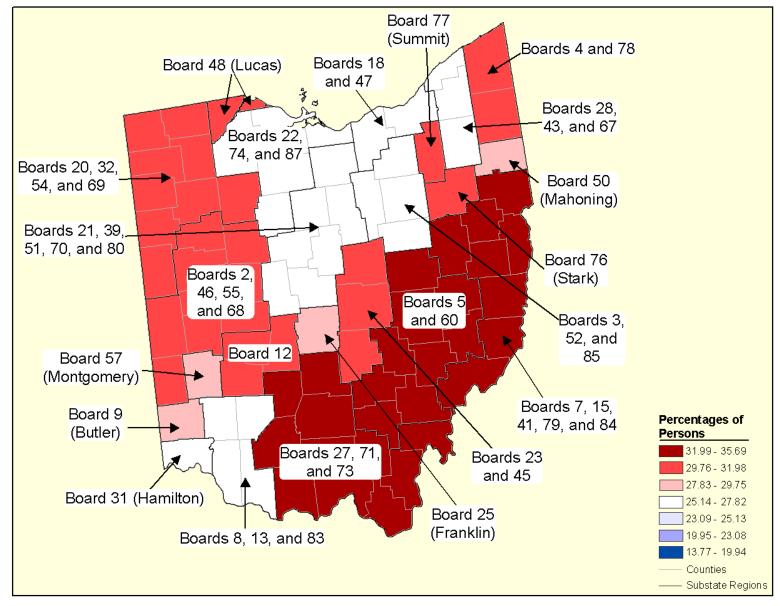


Figure 36.4.2 Any Tobacco Product Use in Past Month among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

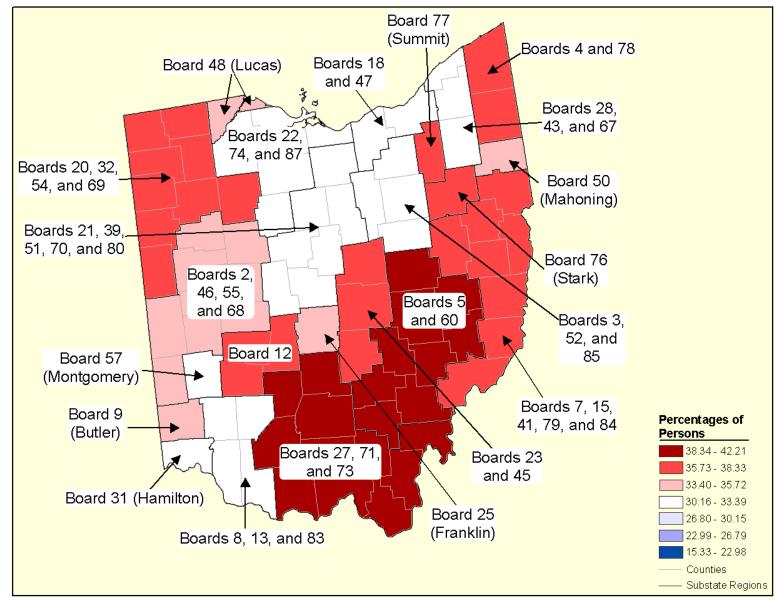


Figure 36.4.3 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older in Ohio, by Substate Region: Percentages, Annual Averages Based on 1999, 2000, and 2001 NSDUHs

