

**Table 39.1 Any Illicit Drug Use in Past Month and Any Illicit Drug Use Other Than Marijuana in Past Month in Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Any Illicit Drug Use in Past Month		Any Illicit Drug Use Other Than Marijuana in Past Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	7.56	(7.01 - 8.16)	3.34	(2.98 - 3.73)
Region 1 (Allegheny)	9.48	(7.95 - 11.26)	3.69	(2.90 - 4.68)
Regions 2, 3, 8, and 9	5.63	(4.40 - 7.19)	3.10	(2.39 - 4.02)
Regions 4, 11, 42, and 48	6.90	(5.52 - 8.59)	3.20	(2.49 - 4.09)
Regions 5, 20, 26, 28, and 40	6.19	(5.02 - 7.60)	3.14	(2.47 - 3.98)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	7.93	(6.63 - 9.46)	3.50	(2.82 - 4.33)
Regions 7, 13, 22, and 37	7.35	(6.29 - 8.56)	3.17	(2.57 - 3.90)
Regions 10, 14, 15, 25, 31, 36, and 46	6.63	(5.26 - 8.32)	3.20	(2.45 - 4.18)
Regions 17, 24, 27, 43, and 47	5.85	(4.59 - 7.42)	2.99	(2.32 - 3.85)
Region 18 (Philadelphia)	10.80	(9.14 - 12.71)	4.21	(3.35 - 5.29)
Regions 19 and 23	7.55	(5.93 - 9.56)	3.47	(2.68 - 4.50)
Regions 21, 30, 32, and 49	5.75	(4.78 - 6.91)	2.68	(2.08 - 3.45)
Regions 29 and 34	8.36	(6.67 - 10.43)	3.65	(2.81 - 4.71)
Regions 33 and 38	7.30	(5.80 - 9.16)	3.26	(2.51 - 4.23)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

NOTE: 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.2 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 Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana <sup>1</sup>		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	5.76	(5.27 - 6.29)	1.72	(1.60 - 1.85)	40.62	(39.19 - 42.06)
Region 1 (Allegheny)	7.56	(6.24 - 9.14)	1.93	(1.62 - 2.29)	39.27	(35.62 - 43.05)
Regions 2, 3, 8, and 9	4.20	(3.16 - 5.56)	1.61	(1.28 - 2.01)	43.52	(39.11 - 48.03)
Regions 4, 11, 42, and 48	5.13	(4.05 - 6.48)	1.66	(1.35 - 2.05)	39.48	(35.34 - 43.78)
Regions 5, 20, 26, 28, and 40	4.56	(3.62 - 5.73)	1.34	(1.08 - 1.67)	43.85	(39.46 - 48.34)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	5.98	(4.85 - 7.34)	2.24	(1.83 - 2.75)	42.64	(38.48 - 46.91)
Regions 7, 13, 22, and 37	5.90	(4.96 - 7.01)	1.91	(1.64 - 2.21)	35.90	(32.94 - 38.97)
Regions 10, 14, 15, 25, 31, 36, and 46	4.77	(3.67 - 6.18)	1.34	(1.06 - 1.68)	45.69	(41.40 - 50.04)
Regions 17, 24, 27, 43, and 47	4.12	(3.12 - 5.42)	1.27	(1.01 - 1.61)	42.67	(38.44 - 47.00)
Region 18 (Philadelphia)	7.49	(6.29 - 8.90)	1.98	(1.65 - 2.38)	40.16	(36.72 - 43.69)
Regions 19 and 23	5.95	(4.53 - 7.78)	1.84	(1.40 - 2.41)	38.98	(33.84 - 44.38)
Regions 21, 30, 32, and 49	4.67	(3.81 - 5.73)	1.61	(1.35 - 1.93)	41.85	(38.30 - 45.49)
Regions 29 and 34	6.59	(5.15 - 8.40)	1.58	(1.24 - 2.01)	44.17	(39.50 - 48.95)
Regions 33 and 38	5.75	(4.41 - 7.47)	1.47	(1.15 - 1.87)	42.09	(37.40 - 46.93)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

<sup>1</sup> Average Annual Rate =  $[100 * \{(\text{Number of Marijuana Initiates in past 24 months}) / [(\text{Number of Marijuana Initiates in past 24 months} * 0.5) + \text{Number of persons who never used marijuana}]\} / 2]$ . 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.3 Marijuana Use in Past Year, Cocaine Use in Past Year, and Nonmedical Use of Pain Relievers in Past Year in Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Marijuana Use in Past Year		Cocaine Use in Past Year		Nonmedical Use of Pain Relievers in Past Year	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	10.08	(9.43 - 10.76)	2.41	(2.09 - 2.77)	3.96	(3.57 - 4.40)
Region 1 (Allegheny)	11.95	(10.17 - 13.98)	2.86	(2.17 - 3.78)	4.14	(3.33 - 5.14)
Regions 2, 3, 8, and 9	7.78	(6.25 - 9.63)	2.06	(1.53 - 2.78)	4.11	(3.22 - 5.24)
Regions 4, 11, 42, and 48	9.27	(7.66 - 11.18)	2.03	(1.53 - 2.70)	3.65	(2.84 - 4.67)
Regions 5, 20, 26, 28, and 40	8.33	(6.92 - 10.00)	1.87	(1.43 - 2.46)	3.93	(3.13 - 4.93)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	10.84	(9.29 - 12.62)	2.55	(1.99 - 3.26)	4.26	(3.41 - 5.31)
Regions 7, 13, 22, and 37	10.38	(9.10 - 11.82)	2.28	(1.80 - 2.88)	3.67	(3.02 - 4.45)
Regions 10, 14, 15, 25, 31, 36, and 46	7.87	(6.43 - 9.61)	2.17	(1.63 - 2.88)	4.29	(3.38 - 5.44)
Regions 17, 24, 27, 43, and 47	7.87	(6.39 - 9.66)	2.40	(1.80 - 3.21)	4.09	(3.21 - 5.20)
Region 18 (Philadelphia)	13.69	(11.88 - 15.72)	3.46	(2.57 - 4.63)	4.47	(3.59 - 5.55)
Regions 19 and 23	10.79	(8.70 - 13.32)	2.44	(1.79 - 3.31)	4.79	(3.70 - 6.19)
Regions 21, 30, 32, and 49	8.28	(7.03 - 9.73)	1.84	(1.39 - 2.42)	3.23	(2.55 - 4.08)
Regions 29 and 34	10.38	(8.50 - 12.63)	2.54	(1.89 - 3.39)	4.40	(3.42 - 5.63)
Regions 33 and 38	9.42	(7.64 - 11.57)	2.13	(1.59 - 2.86)	3.65	(2.82 - 4.71)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.4 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 Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month <sup>1</sup>		Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	51.94	(50.42 - 53.45)	23.81	(22.66 - 25.00)	36.78	(35.43 - 38.14)
Region 1 (Allegheny)	58.90	(55.13 - 62.56)	27.65	(24.67 - 30.84)	34.27	(30.96 - 37.73)
Regions 2, 3, 8, and 9	48.35	(43.71 - 53.02)	23.37	(20.41 - 26.62)	36.15	(32.37 - 40.11)
Regions 4, 11, 42, and 48	54.76	(50.26 - 59.17)	23.82	(20.89 - 27.03)	33.80	(30.16 - 37.65)
Regions 5, 20, 26, 28, and 40	44.00	(39.51 - 48.60)	20.62	(17.90 - 23.63)	37.89	(34.16 - 41.78)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	52.17	(47.62 - 56.69)	26.90	(23.87 - 30.16)	34.72	(31.06 - 38.57)
Regions 7, 13, 22, and 37	57.89	(54.93 - 60.80)	23.57	(21.38 - 25.91)	38.60	(35.80 - 41.47)
Regions 10, 14, 15, 25, 31, 36, and 46	46.59	(41.99 - 51.24)	23.28	(20.37 - 26.46)	34.72	(31.06 - 38.57)
Regions 17, 24, 27, 43, and 47	50.41	(45.91 - 54.91)	22.04	(19.24 - 25.11)	36.42	(32.79 - 40.22)
Region 18 (Philadelphia)	44.63	(41.03 - 48.30)	23.32	(20.93 - 25.90)	40.57	(37.32 - 43.90)
Regions 19 and 23	53.02	(47.16 - 58.81)	27.32	(23.43 - 31.58)	34.56	(30.16 - 39.23)
Regions 21, 30, 32, and 49	49.18	(45.51 - 52.85)	20.91	(18.65 - 23.35)	37.30	(34.18 - 40.52)
Regions 29 and 34	53.80	(48.52 - 59.00)	26.69	(23.21 - 30.49)	32.60	(28.61 - 36.86)
Regions 33 and 38	51.83	(46.69 - 56.93)	22.78	(19.75 - 26.12)	38.60	(34.53 - 42.84)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

<sup>1</sup> 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.5 Alcohol Use in Past Month and Binge Alcohol Use in Past Month among Persons Aged 12 to 20 in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Alcohol Use in Past Month among Persons Aged 12 to 20		Binge Alcohol Use in Past Month among Persons Aged 12 to 20 <sup>1</sup>	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	30.70	(29.46 - 31.96)	21.15	(20.12 - 22.23)
Region 1 (Allegheny)	37.23	(34.05 - 40.51)	25.32	(22.52 - 28.34)
Regions 2, 3, 8, and 9	30.55	(26.71 - 34.68)	21.66	(18.32 - 25.42)
Regions 4, 11, 42, and 48	33.78	(30.15 - 37.61)	21.88	(18.69 - 25.44)
Regions 5, 20, 26, 28, and 40	27.31	(23.85 - 31.08)	19.65	(16.85 - 22.79)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	36.38	(32.94 - 39.97)	28.94	(25.70 - 32.42)
Regions 7, 13, 22, and 37	31.19	(28.63 - 33.88)	20.92	(18.81 - 23.19)
Regions 10, 14, 15, 25, 31, 36, and 46	29.09	(25.22 - 33.29)	21.56	(18.23 - 25.31)
Regions 17, 24, 27, 43, and 47	30.34	(26.62 - 34.33)	20.56	(17.30 - 24.24)
Region 18 (Philadelphia)	24.99	(22.11 - 28.11)	15.26	(13.02 - 17.80)
Regions 19 and 23	32.60	(28.09 - 37.45)	24.53	(20.45 - 29.13)
Regions 21, 30, 32, and 49	27.35	(24.34 - 30.57)	18.26	(15.74 - 21.09)
Regions 29 and 34	33.87	(29.70 - 38.32)	25.27	(21.67 - 29.25)
Regions 33 and 38	28.56	(24.48 - 33.02)	19.82	(16.43 - 23.72)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

<sup>1</sup> 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.6 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 Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Cigarette Use in Past Month		Any Tobacco Product Use in Past Month <sup>1</sup>		Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	27.53	(26.31 - 28.80)	32.70	(31.43 - 33.99)	70.78	(69.45 - 72.06)
Region 1 (Allegheny)	27.74	(24.91 - 30.75)	32.94	(29.66 - 36.41)	69.87	(66.83 - 72.75)
Regions 2, 3, 8, and 9	27.82	(24.69 - 31.17)	34.03	(30.47 - 37.79)	68.13	(64.74 - 71.33)
Regions 4, 11, 42, and 48	28.76	(25.64 - 32.10)	35.55	(32.07 - 39.19)	70.79	(67.51 - 73.86)
Regions 5, 20, 26, 28, and 40	27.26	(24.25 - 30.50)	32.78	(29.27 - 36.49)	67.99	(64.52 - 71.28)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	28.88	(25.74 - 32.24)	35.28	(31.73 - 39.01)	69.44	(66.21 - 72.49)
Regions 7, 13, 22, and 37	23.95	(21.75 - 26.31)	28.13	(25.72 - 30.69)	74.91	(72.62 - 77.07)
Regions 10, 14, 15, 25, 31, 36, and 46	30.14	(26.92 - 33.57)	37.00	(33.16 - 41.02)	67.64	(64.39 - 70.72)
Regions 17, 24, 27, 43, and 47	29.01	(25.85 - 32.38)	35.59	(32.13 - 39.22)	67.29	(63.91 - 70.50)
Region 18 (Philadelphia)	29.98	(26.93 - 33.22)	33.78	(30.78 - 36.91)	71.98	(69.10 - 74.69)
Regions 19 and 23	29.20	(25.53 - 33.16)	34.70	(30.47 - 39.19)	69.90	(66.25 - 73.31)
Regions 21, 30, 32, and 49	26.00	(23.42 - 28.76)	29.92	(27.04 - 32.97)	69.96	(67.08 - 72.69)
Regions 29 and 34	31.16	(27.52 - 35.05)	37.41	(33.32 - 41.68)	70.31	(66.84 - 73.55)
Regions 33 and 38	26.04	(22.92 - 29.42)	30.70	(27.04 - 34.61)	72.38	(69.15 - 75.39)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

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

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.7 Alcohol Dependence in Past Year and Any Illicit Drug Dependence in Past Year in Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Alcohol Dependence in Past Year		Any Illicit Drug Dependence in Past Year <sup>1</sup>	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	3.05	(2.68 - 3.47)	1.64	(1.42 - 1.91)
Region 1 (Allegheny)	3.38	(2.62 - 4.37)	1.77	(1.33 - 2.36)
Regions 2, 3, 8, and 9	2.76	(2.07 - 3.68)	1.46	(1.06 - 2.00)
Regions 4, 11, 42, and 48	2.79	(2.15 - 3.61)	1.58	(1.17 - 2.13)
Regions 5, 20, 26, 28, and 40	2.70	(2.07 - 3.52)	1.47	(1.09 - 1.98)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	3.44	(2.73 - 4.34)	1.65	(1.25 - 2.18)
Regions 7, 13, 22, and 37	2.99	(2.36 - 3.78)	1.60	(1.25 - 2.04)
Regions 10, 14, 15, 25, 31, 36, and 46	2.83	(2.16 - 3.70)	1.58	(1.13 - 2.20)
Regions 17, 24, 27, 43, and 47	2.59	(1.93 - 3.47)	1.32	(0.94 - 1.85)
Region 18 (Philadelphia)	3.77	(2.92 - 4.85)	2.28	(1.72 - 3.01)
Regions 19 and 23	3.22	(2.40 - 4.31)	1.60	(1.15 - 2.22)
Regions 21, 30, 32, and 49	2.80	(2.20 - 3.57)	1.40	(1.05 - 1.87)
Regions 29 and 34	3.15	(2.36 - 4.19)	1.66	(1.21 - 2.27)
Regions 33 and 38	2.70	(2.01 - 3.63)	1.60	(1.15 - 2.21)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

NOTE: Dependence is based on the definition found in the 4<sup>th</sup> edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

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

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.8 Alcohol Dependence or Abuse in Past Year, Any Illicit Drug Dependence or Abuse in Past Year, and Dependence on or Abuse of Any Illicit Drug or Alcohol in Past Year in Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Alcohol Dependence or Abuse in Past Year		Any Illicit Drug Dependence or Abuse in Past Year <sup>1</sup>		Dependence on or Abuse of Any Illicit Drug or Alcohol in Past Year <sup>1</sup>	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	7.24	(6.66 - 7.86)	2.59	(2.30 - 2.91)	8.64	(8.01 - 9.32)
Region 1 (Allegheny)	8.21	(6.92 - 9.72)	2.71	(2.14 - 3.42)	9.60	(8.17 - 11.25)
Regions 2, 3, 8, and 9	6.92	(5.67 - 8.44)	2.36	(1.82 - 3.07)	8.03	(6.64 - 9.69)
Regions 4, 11, 42, and 48	7.35	(6.02 - 8.94)	2.58	(2.03 - 3.28)	8.76	(7.35 - 10.42)
Regions 5, 20, 26, 28, and 40	6.33	(5.19 - 7.70)	2.35	(1.84 - 3.00)	7.43	(6.24 - 8.83)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	8.57	(7.24 - 10.12)	2.58	(2.02 - 3.28)	9.59	(8.19 - 11.19)
Regions 7, 13, 22, and 37	6.78	(5.80 - 7.92)	2.61	(2.13 - 3.21)	8.23	(7.11 - 9.52)
Regions 10, 14, 15, 25, 31, 36, and 46	7.12	(5.83 - 8.68)	2.59	(1.98 - 3.39)	8.67	(7.18 - 10.43)
Regions 17, 24, 27, 43, and 47	6.20	(5.02 - 7.62)	2.20	(1.70 - 2.86)	7.26	(5.97 - 8.80)
Region 18 (Philadelphia)	7.88	(6.68 - 9.28)	3.18	(2.52 - 4.00)	10.03	(8.61 - 11.65)
Regions 19 and 23	8.31	(6.71 - 10.24)	2.62	(2.01 - 3.40)	9.83	(8.11 - 11.88)
Regions 21, 30, 32, and 49	6.70	(5.63 - 7.96)	2.32	(1.83 - 2.93)	7.74	(6.58 - 9.09)
Regions 29 and 34	8.06	(6.57 - 9.86)	2.57	(1.98 - 3.33)	9.61	(7.97 - 11.55)
Regions 33 and 38	6.36	(5.05 - 7.99)	2.47	(1.88 - 3.25)	7.88	(6.47 - 9.57)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

NOTE: Dependence or abuse is based on definitions found in the 4<sup>th</sup> edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

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

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.



**Table 39.9** *Needing But Not Receiving Treatment for Alcohol Use in Past Year and Needing But Not Receiving Treatment for Illicit Drug Use in Past Year in Pennsylvania among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs*

State/Substate Region	Needing But Not Receiving Treatment for Alcohol Use in Past Year <sup>1</sup>		Needing But Not Receiving Treatment for Illicit Drug Use in Past Year <sup>2</sup>	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	6.86	(6.29 - 7.48)	2.28	(2.02 - 2.56)
Region 1 (Allegheny)	7.81	(6.59 - 9.23)	2.34	(1.88 - 2.91)
Regions 2, 3, 8, and 9	6.74	(5.55 - 8.18)	2.02	(1.58 - 2.59)
Regions 4, 11, 42, and 48	6.79	(5.59 - 8.22)	2.22	(1.75 - 2.81)
Regions 5, 20, 26, 28, and 40	6.07	(4.96 - 7.40)	2.04	(1.62 - 2.55)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	8.12	(6.91 - 9.53)	2.33	(1.85 - 2.92)
Regions 7, 13, 22, and 37	6.40	(5.45 - 7.52)	2.18	(1.77 - 2.69)
Regions 10, 14, 15, 25, 31, 36, and 46	6.76	(5.53 - 8.25)	2.33	(1.79 - 3.03)
Regions 17, 24, 27, 43, and 47	5.87	(4.75 - 7.23)	1.89	(1.49 - 2.41)
Region 18 (Philadelphia)	7.45	(6.27 - 8.83)	3.03	(2.36 - 3.89)
Regions 19 and 23	7.93	(6.46 - 9.70)	2.37	(1.84 - 3.05)
Regions 21, 30, 32, and 49	6.31	(5.28 - 7.53)	2.10	(1.66 - 2.64)
Regions 29 and 34	7.58	(6.16 - 9.29)	2.23	(1.73 - 2.87)
Regions 33 and 38	6.17	(4.98 - 7.62)	2.13	(1.66 - 2.72)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 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.

<sup>1</sup> Needing But Not Receiving Treatment refers to respondents classified as needing treatment for alcohol, but not receiving treatment for an alcohol problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers).

<sup>2</sup> Needing But Not Receiving Treatment refers to respondents classified as needing treatment for illicit drugs, but not receiving treatment for an illicit drug problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers). Illicit Drugs include marijuana/hashish, cocaine (including crack), inhalants, hallucinogens, heroin, or prescription-type psychotherapeutic (nonmedical use).

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Table 39.10 Serious Psychological Distress in Past Year in Pennsylvania among Persons Aged 18 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

State/Substate Region	Serious Psychological Distress in Past Year	
	Estimate	95% Prediction Interval
<b>Pennsylvania</b>	8.19	(7.46 - 8.99)
Region 1 (Allegheny)	8.03	(6.43 - 9.99)
Regions 2, 3, 8, and 9	8.30	(6.57 - 10.44)
Regions 4, 11, 42, and 48	8.38	(6.64 - 10.53)
Regions 5, 20, 26, 28, and 40	9.34	(7.35 - 11.80)
Regions 6, 12, 16, 35, 39, 41, 44, and 45	8.54	(6.89 - 10.53)
Regions 7, 13, 22, and 37	7.12	(5.87 - 8.61)
Regions 10, 14, 15, 25, 31, 36, and 46	9.44	(7.46 - 11.88)
Regions 17, 24, 27, 43, and 47	7.51	(6.02 - 9.33)
Region 18 (Philadelphia)	8.64	(7.03 - 10.58)
Regions 19 and 23	9.40	(7.21 - 12.17)
Regions 21, 30, 32, and 49	8.62	(7.02 - 10.55)
Regions 29 and 34	7.93	(6.17 - 10.15)
Regions 33 and 38	7.80	(6.03 - 10.03)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.

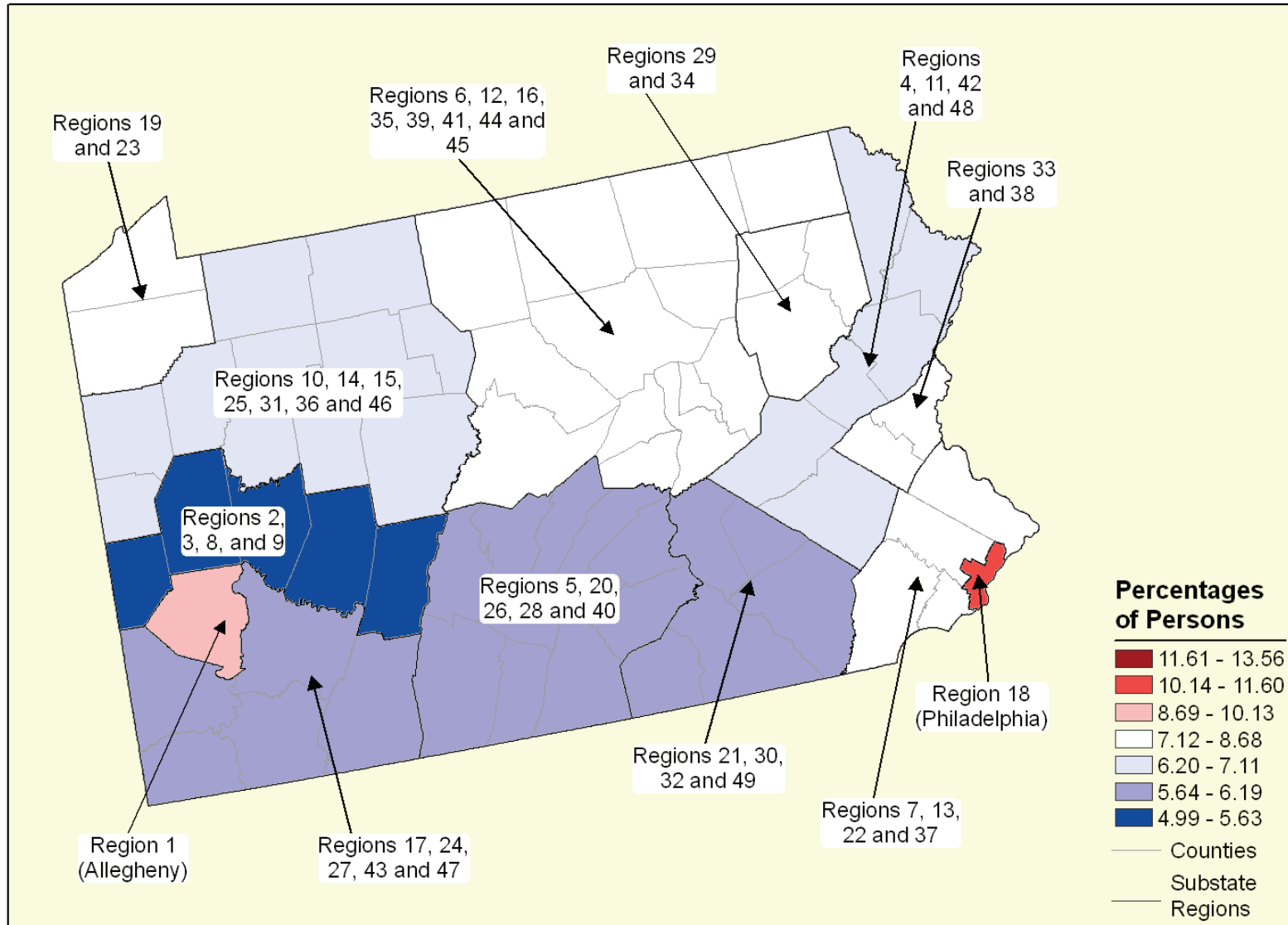
NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

NOTE: Serious Psychological Distress (SPD) was referred to as Serious Mental Illness (SMI) in prior NSDUH reports.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.1.1 Any Illicit Drug Use in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

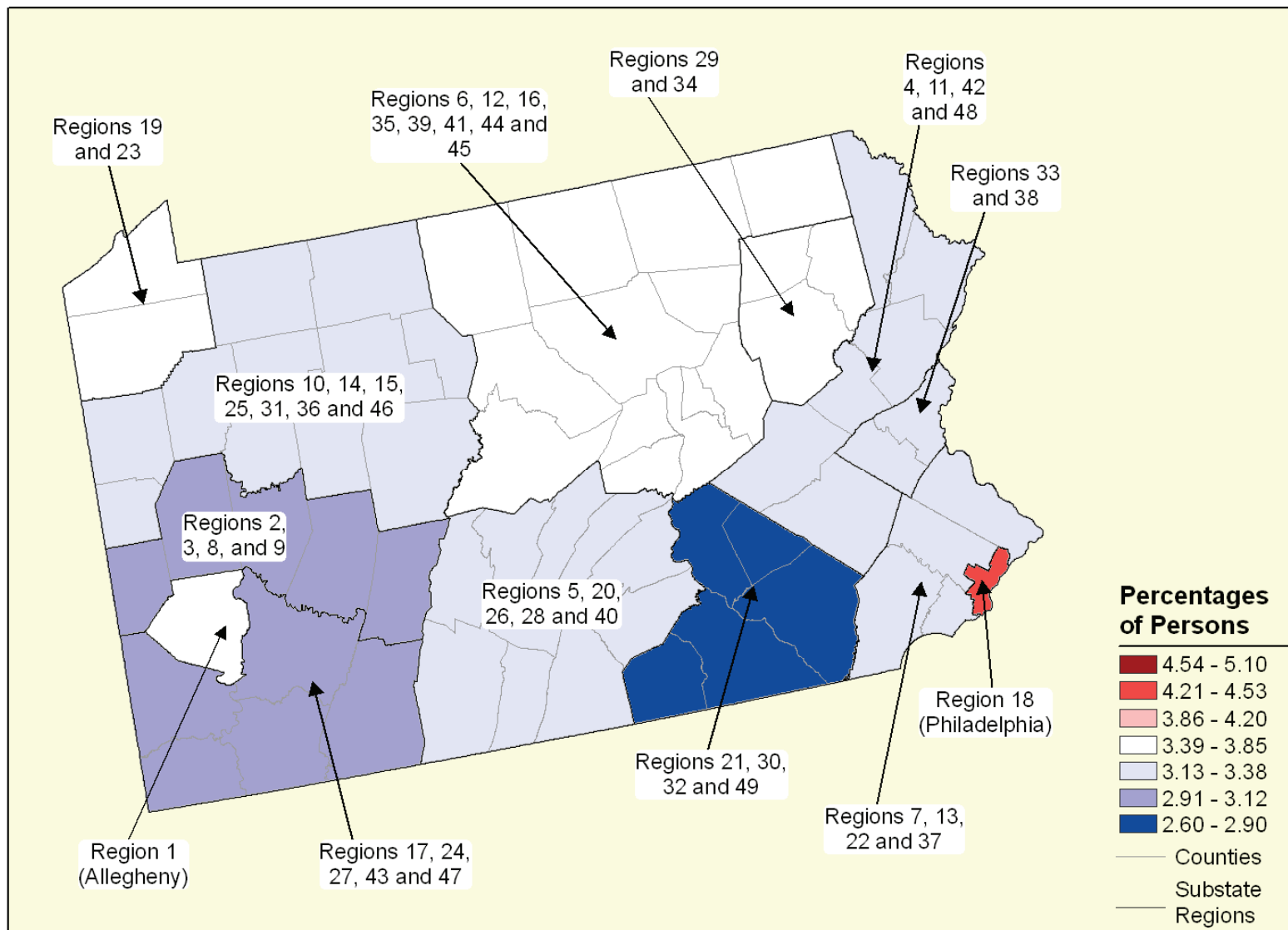
1303



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.1.2 Any Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

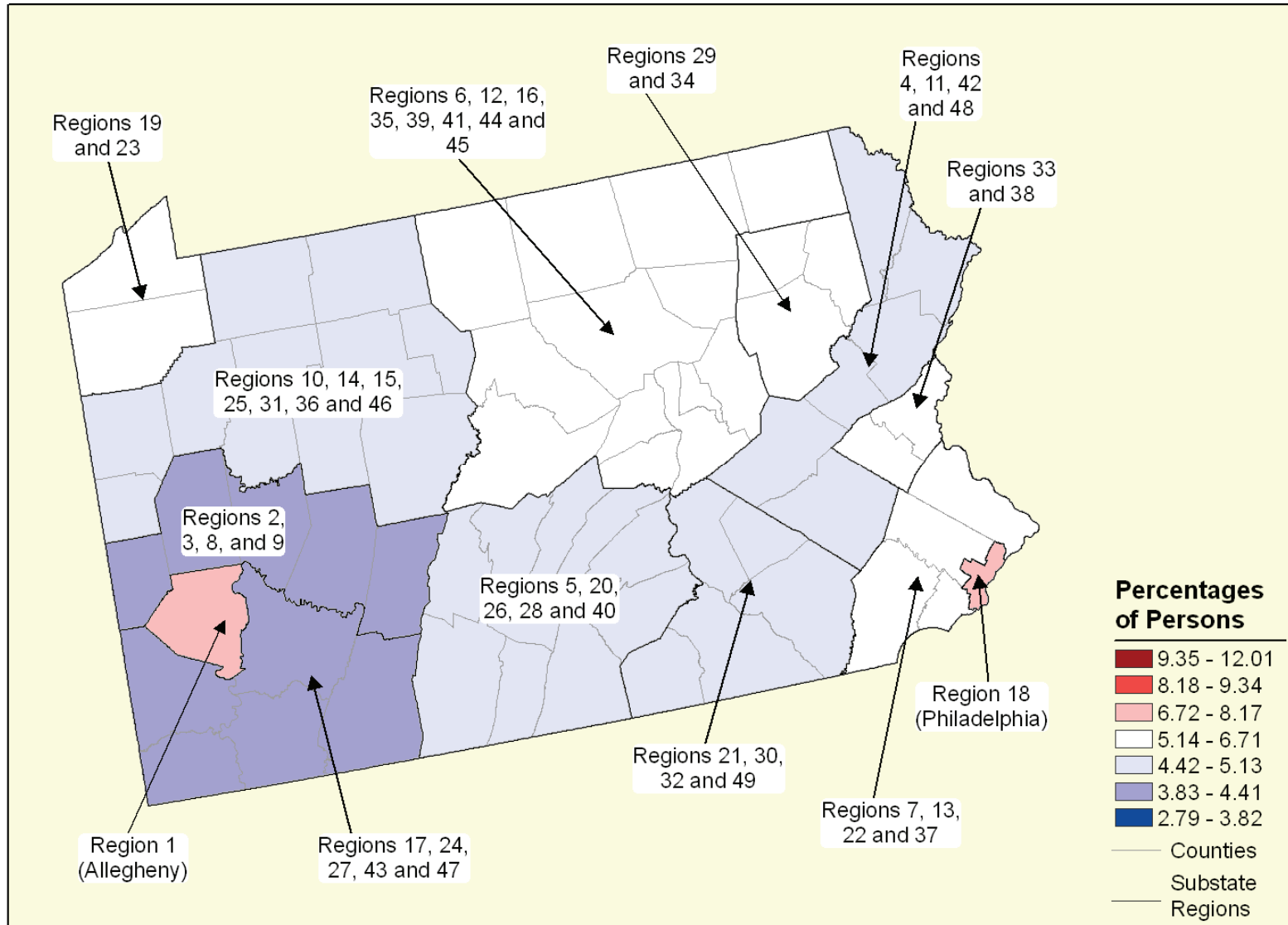


NOTE: The legend's ranges were created by dividing 340 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.2.1 Marijuana Use in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

1305

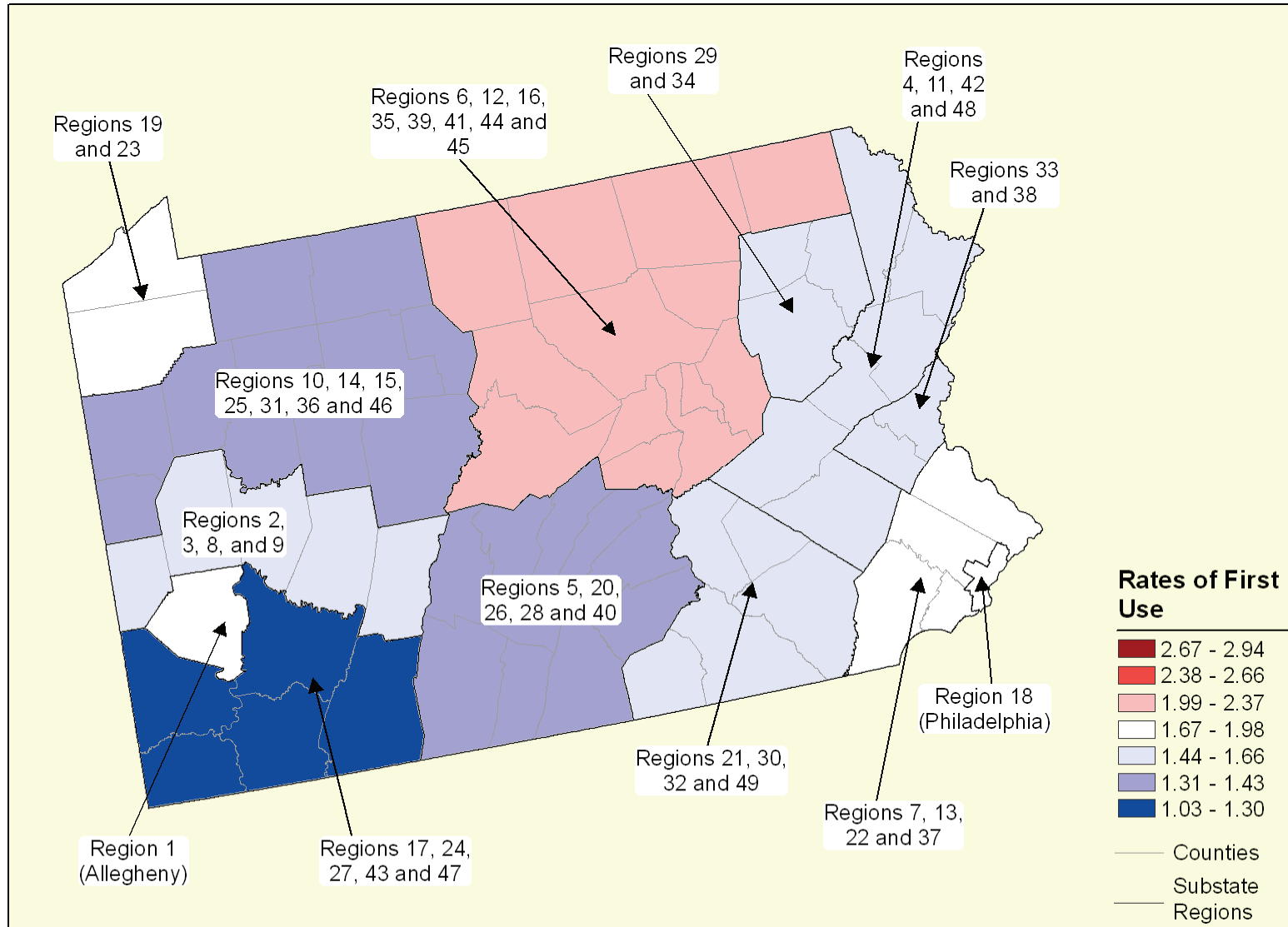


NOTE: The legend's ranges were created by dividing 340 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.2.2 First Use of Marijuana among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Average Annual Rates Based on 2002, 2003, and 2004 NSDUHs**

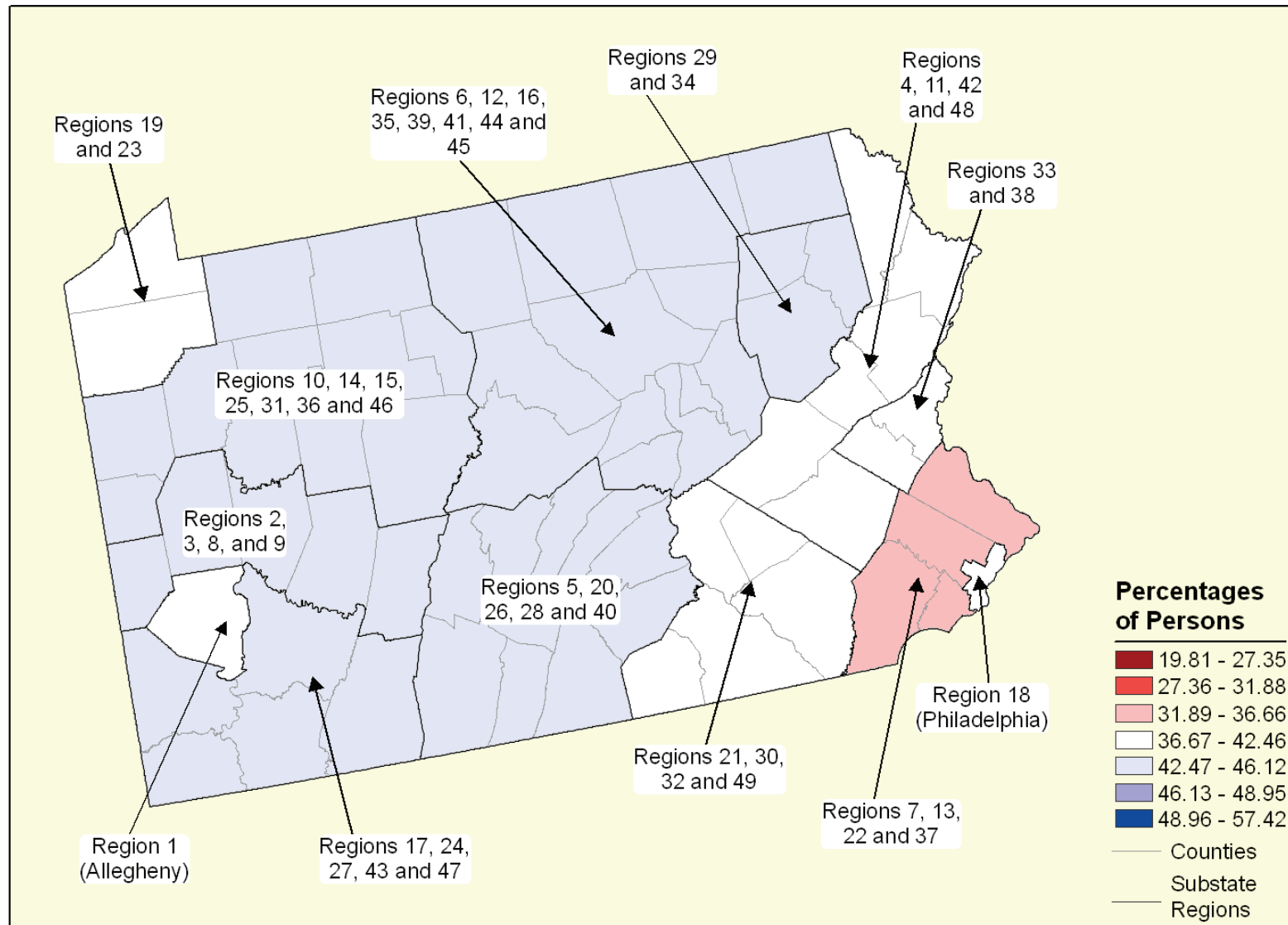
1306



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

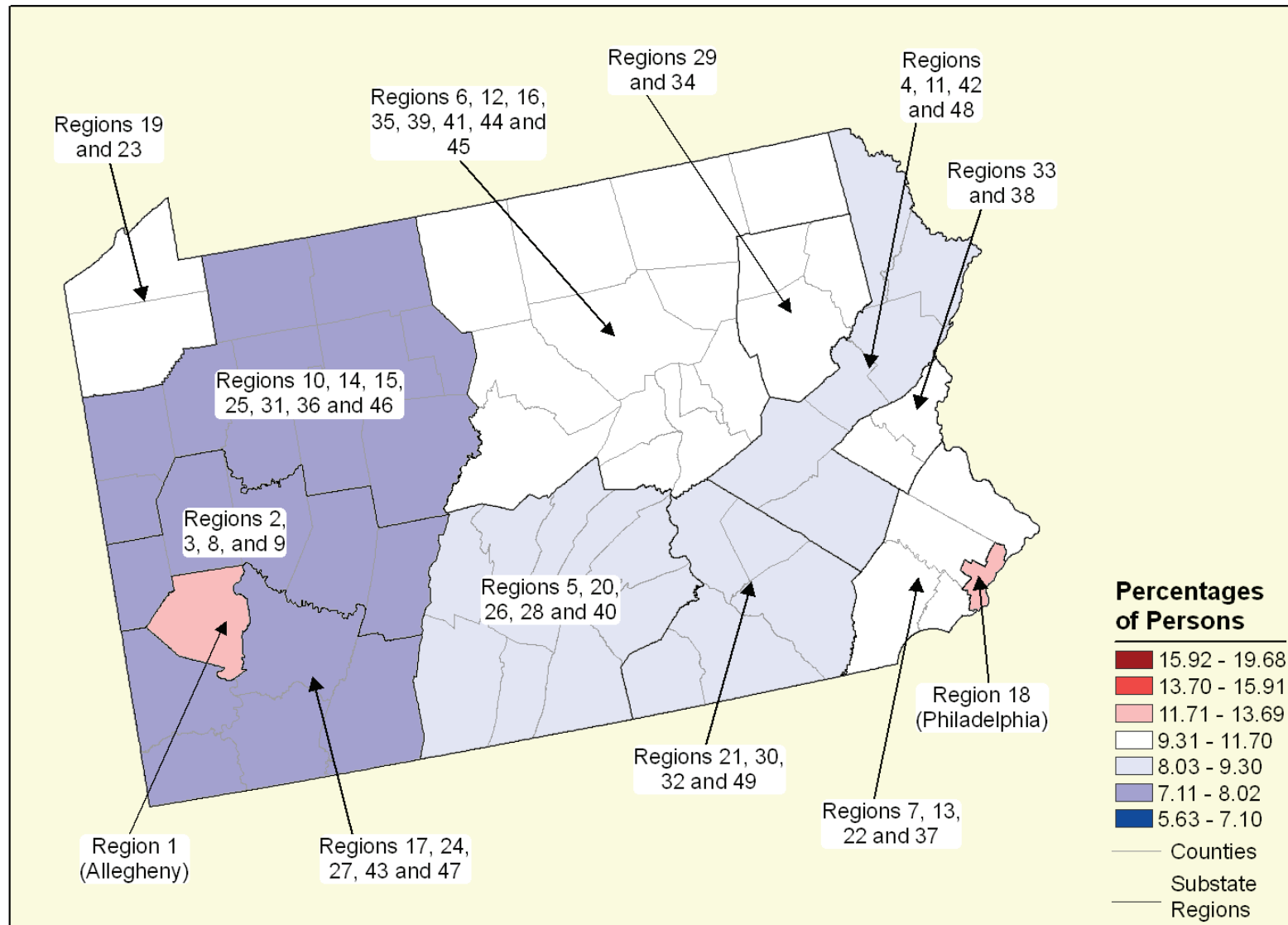
**Figure 39.2.3 Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.3.1 Marijuana Use in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

1308

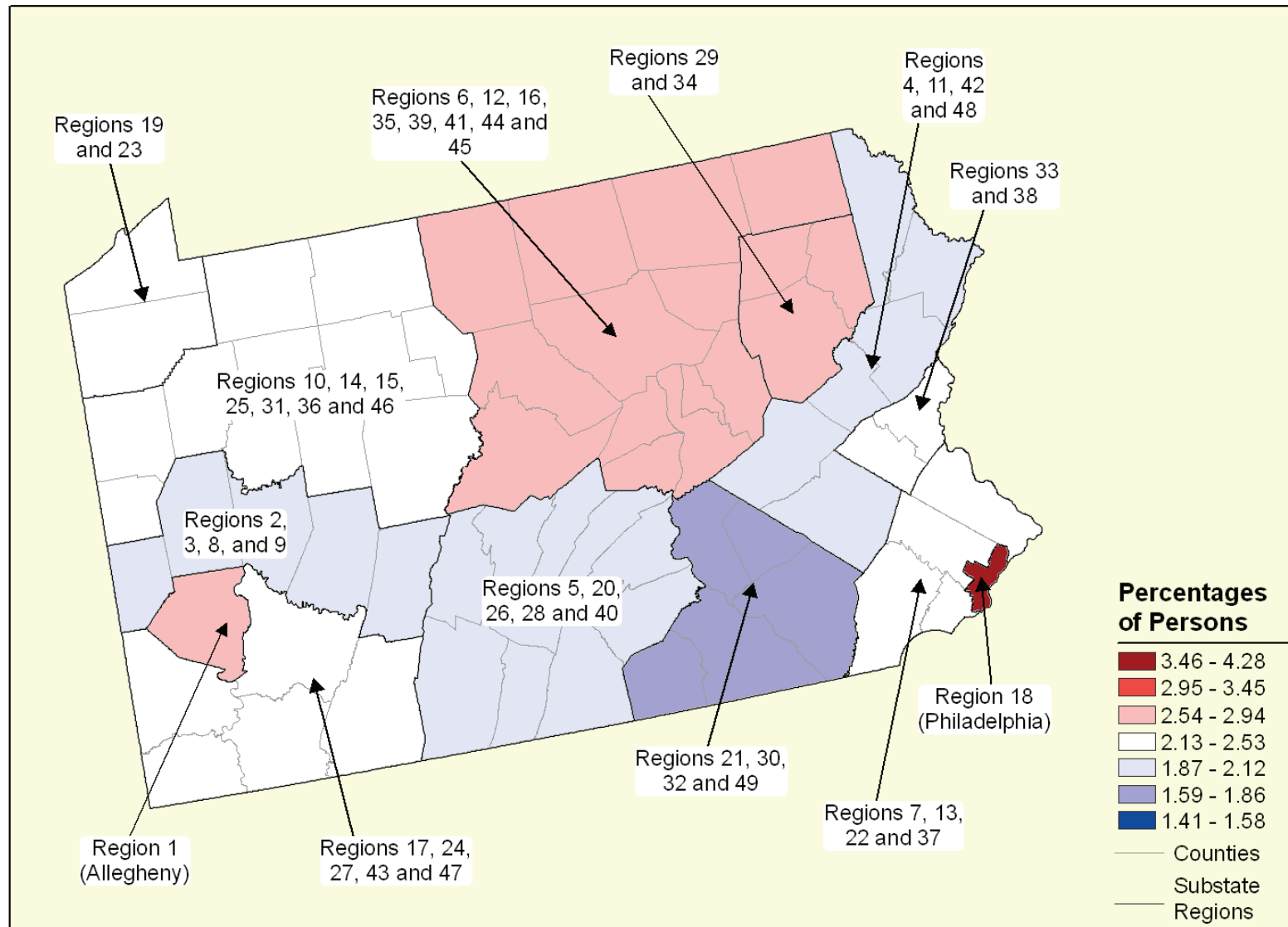


NOTE: The legend's ranges were created by dividing 340 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.



**Figure 39.3.2 Cocaine Use in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

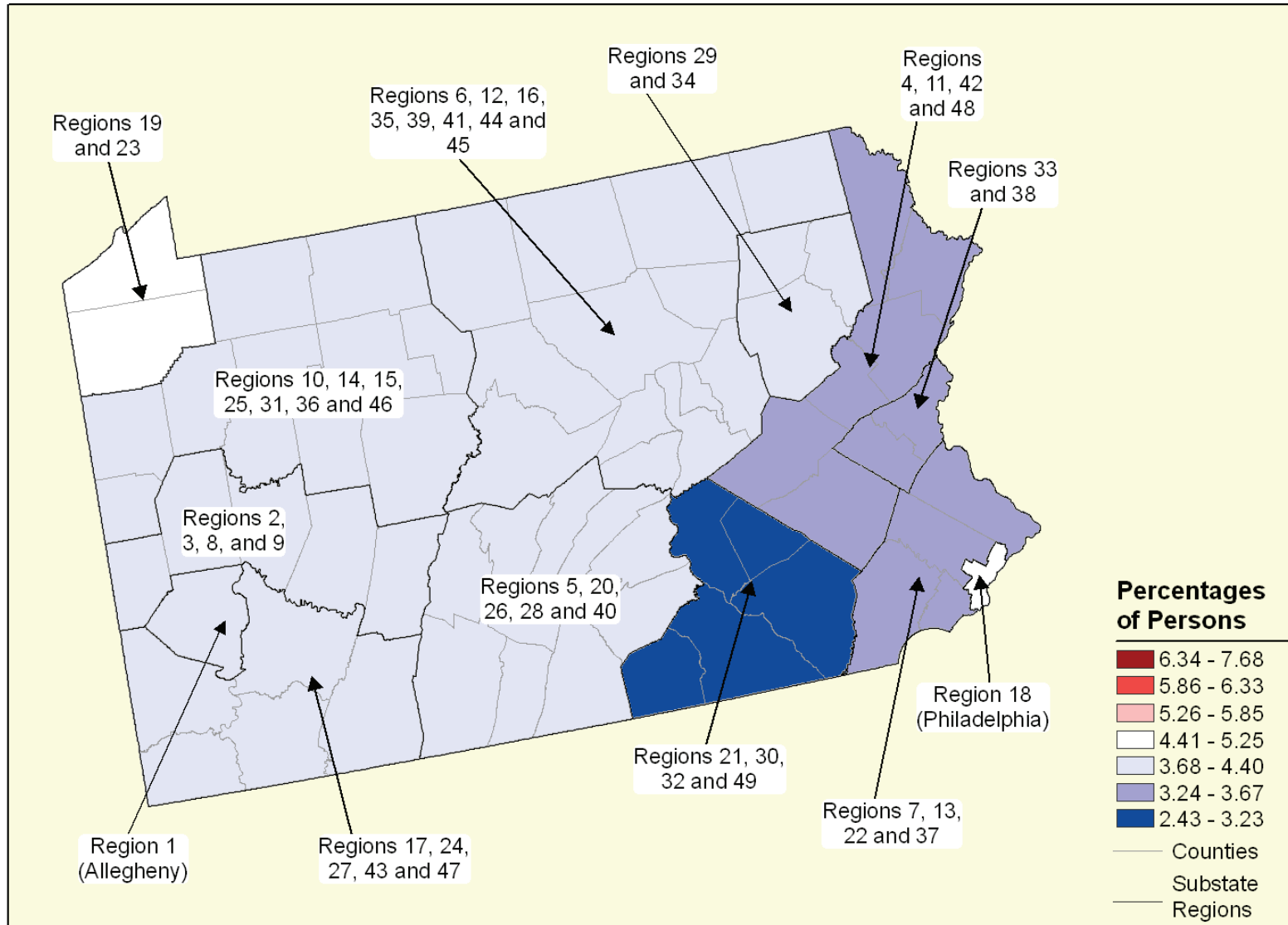
1309



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.3.3 Nonmedical Use of Pain Relievers in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

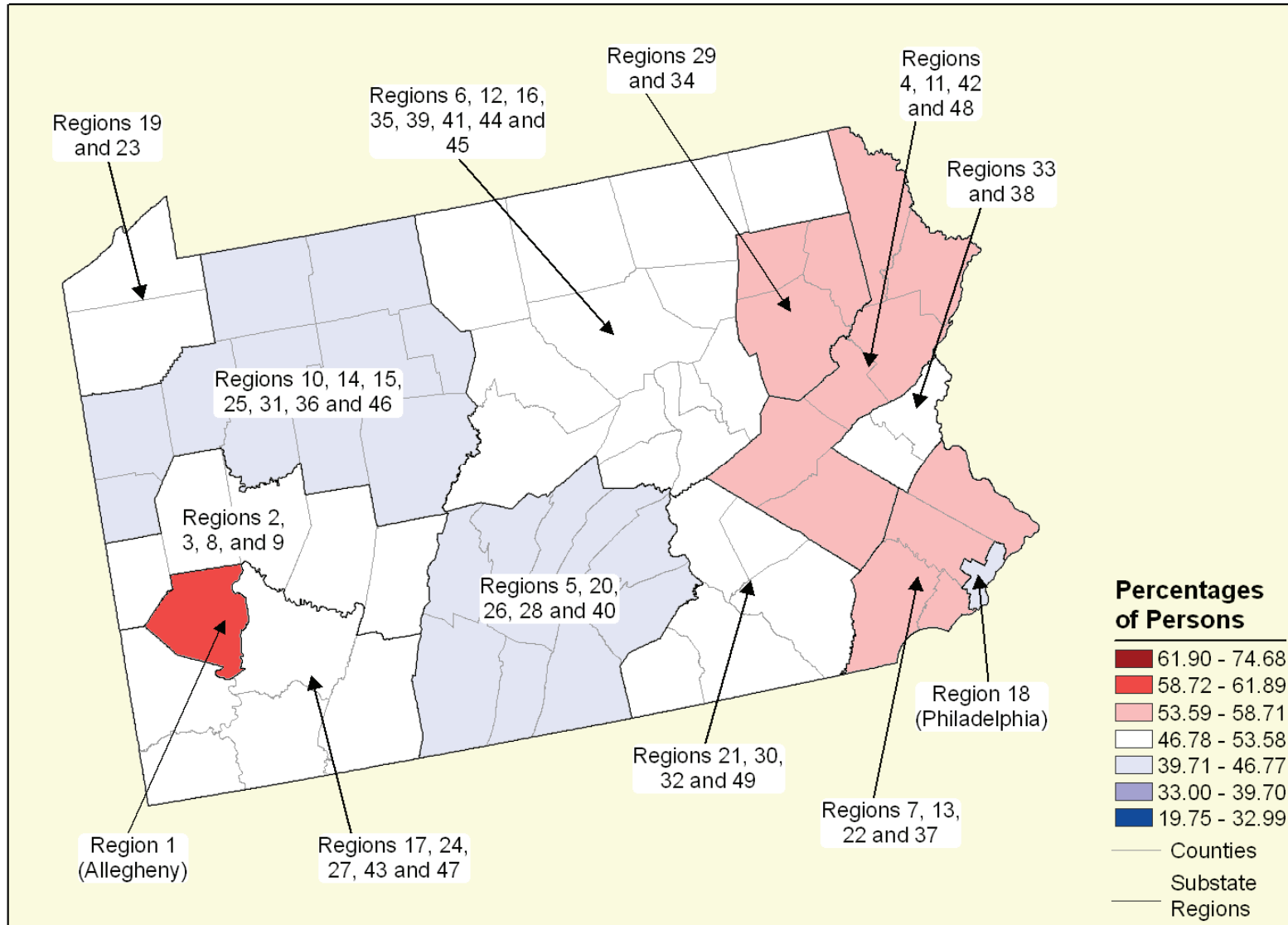
1310



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.4.1 Alcohol Use in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

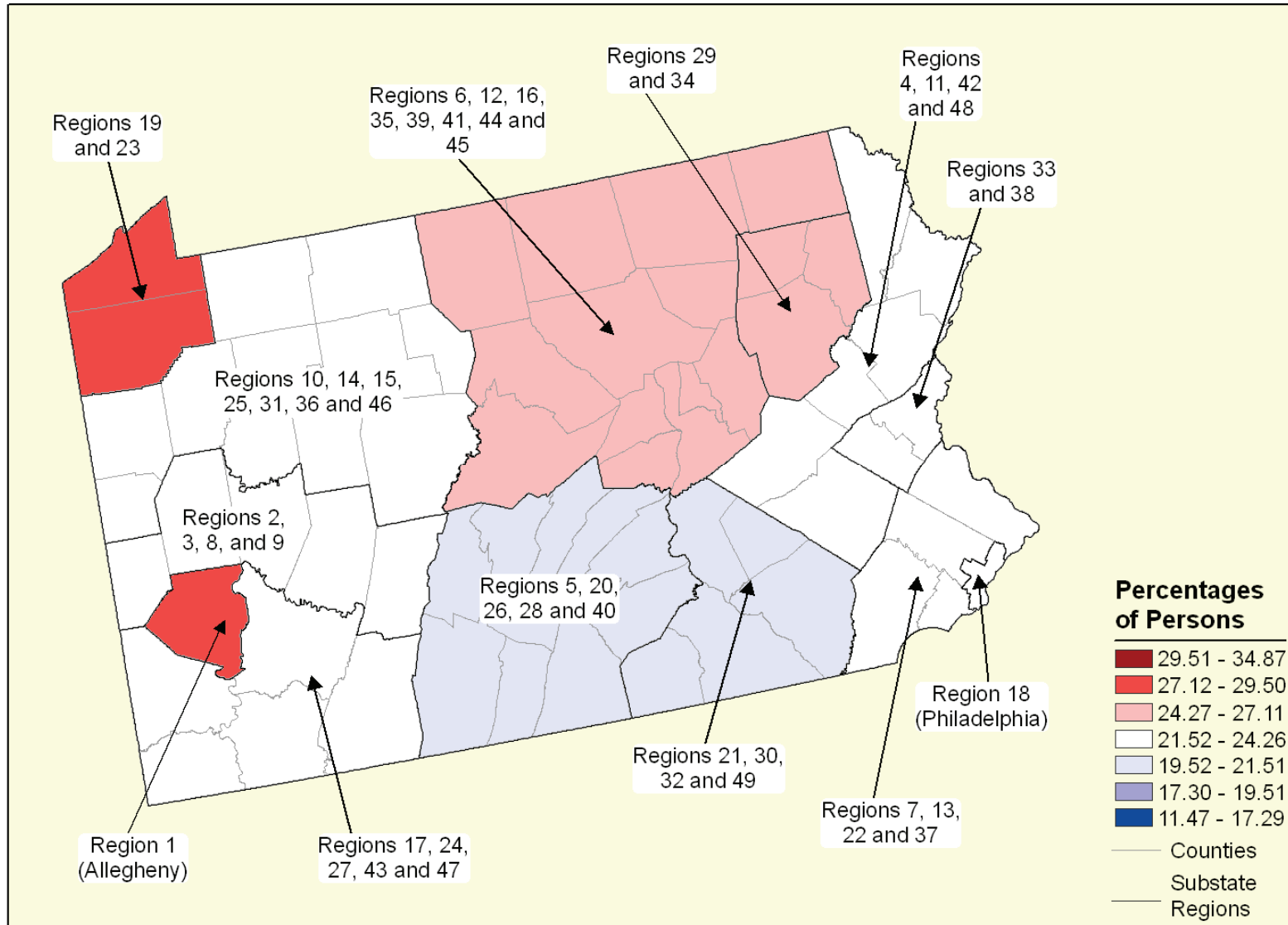
1311



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.4.2 Binge Alcohol Use in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

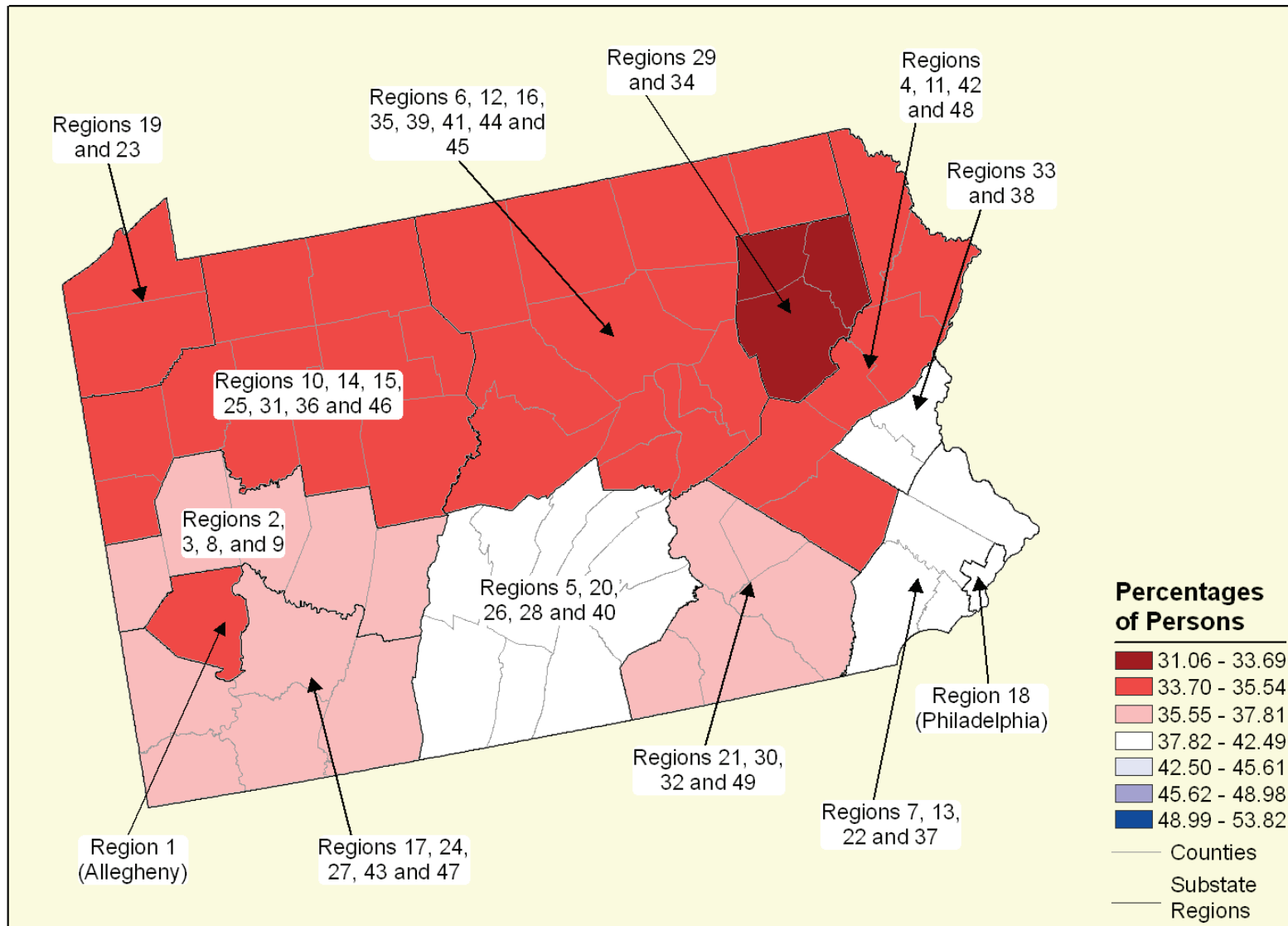
1312



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

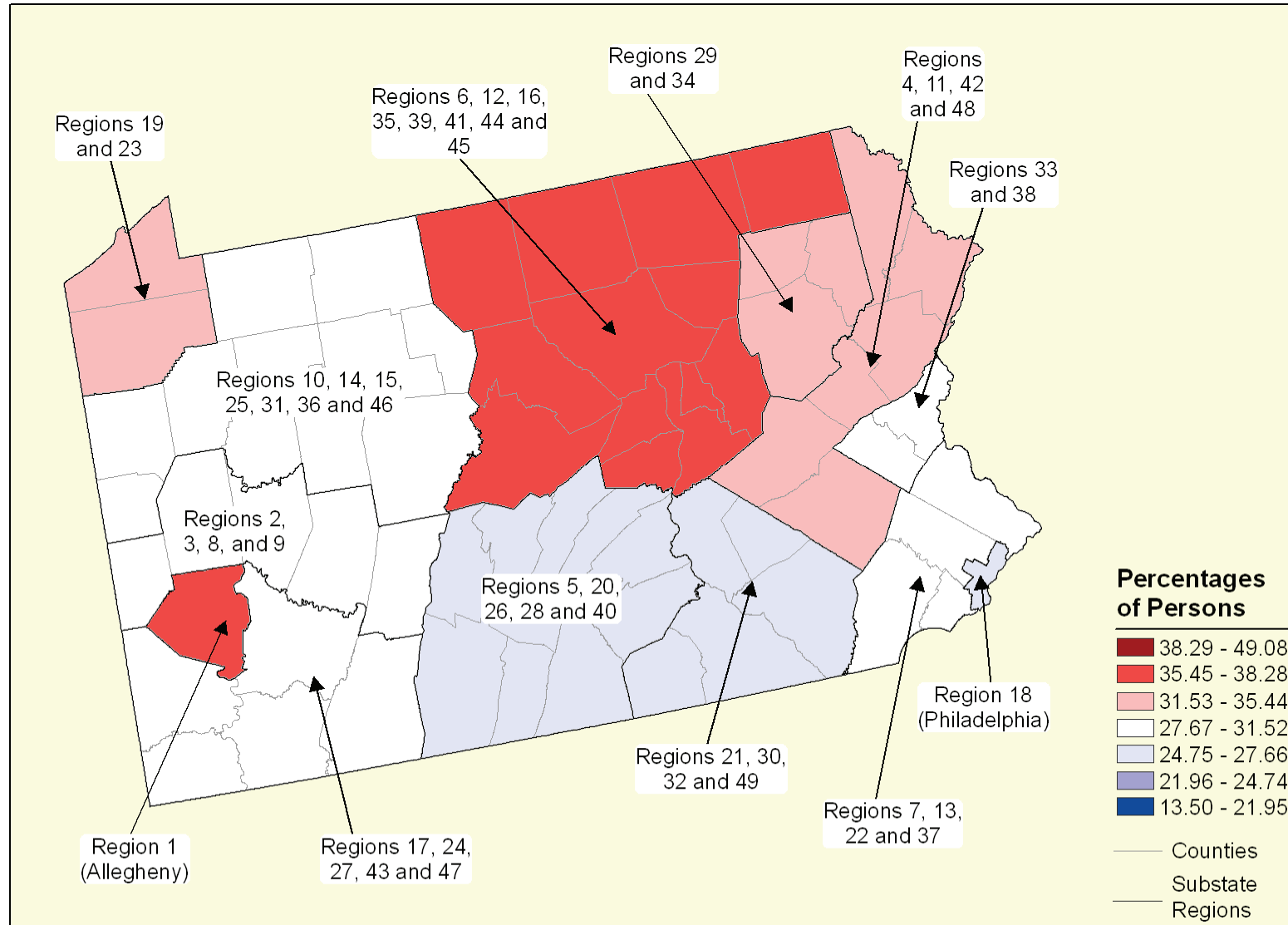
**Figure 39.4.3 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

1313



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.5.1 Alcohol Use in Past Month among Persons Aged 12 to 20 in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**



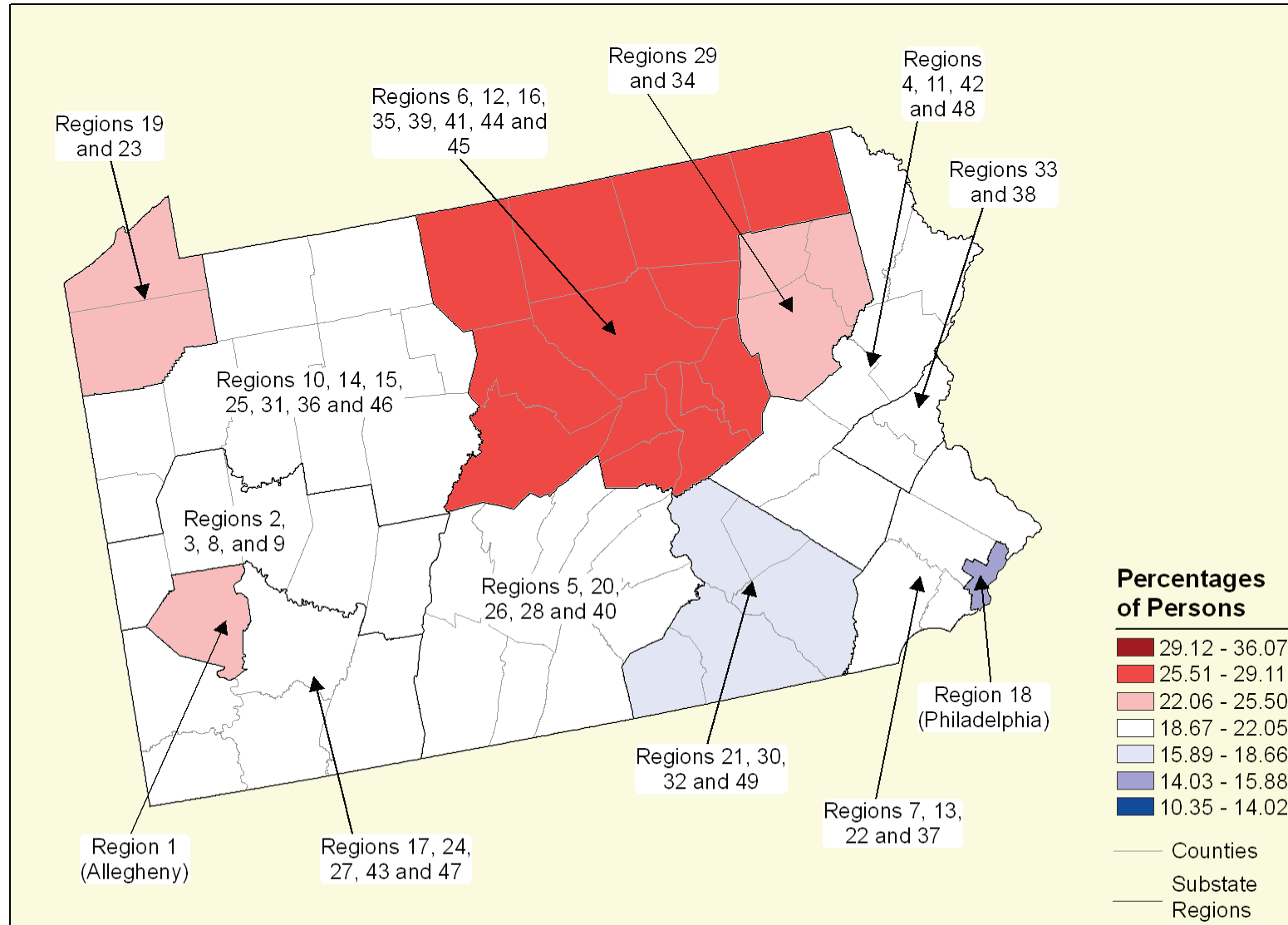
1314

NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.5.2 Binge Alcohol Use in Past Month among Persons Aged 12 to 20 in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

1315

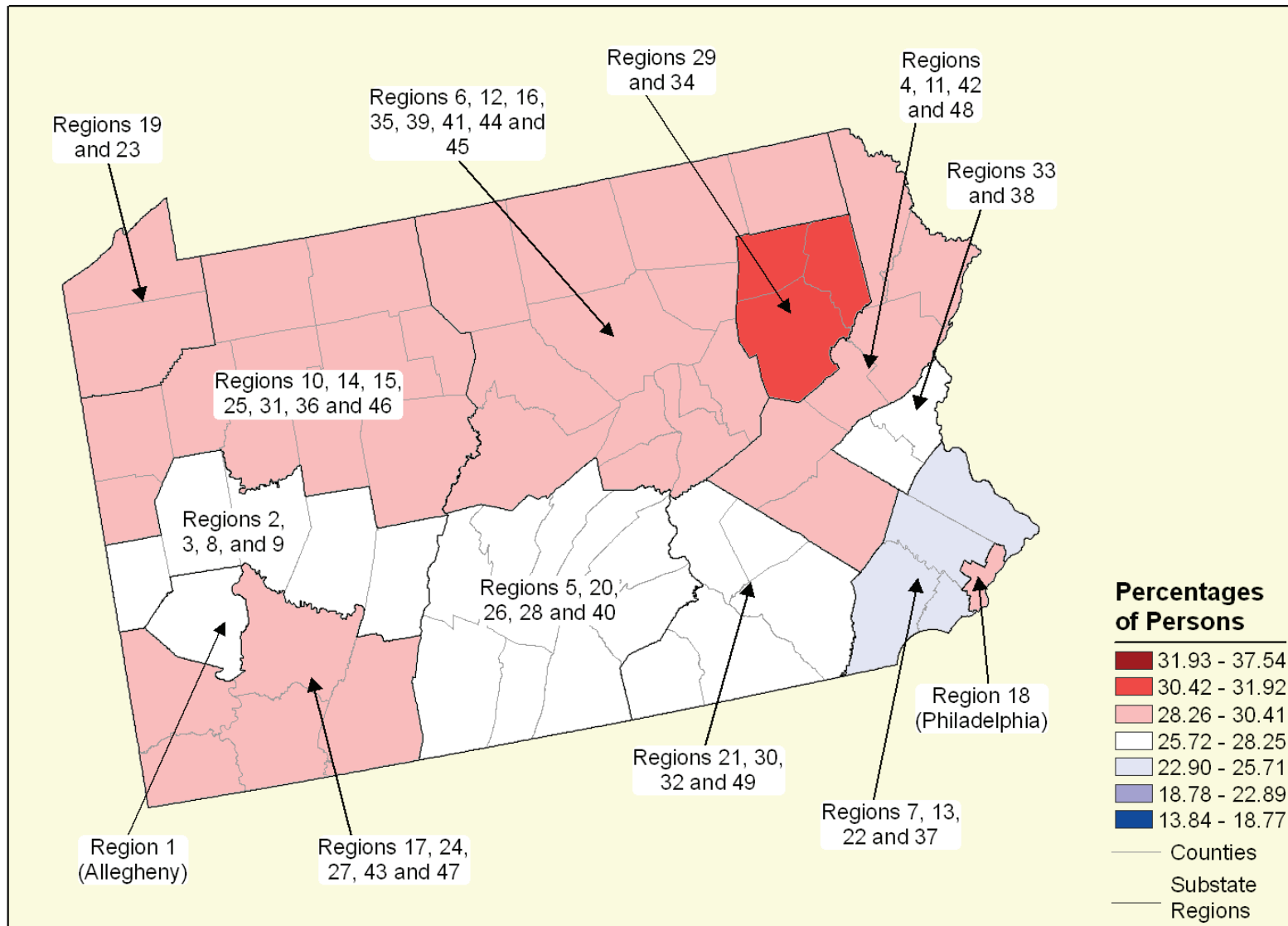


NOTE: The legend's ranges were created by dividing 340 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.6.1 Cigarette Use in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

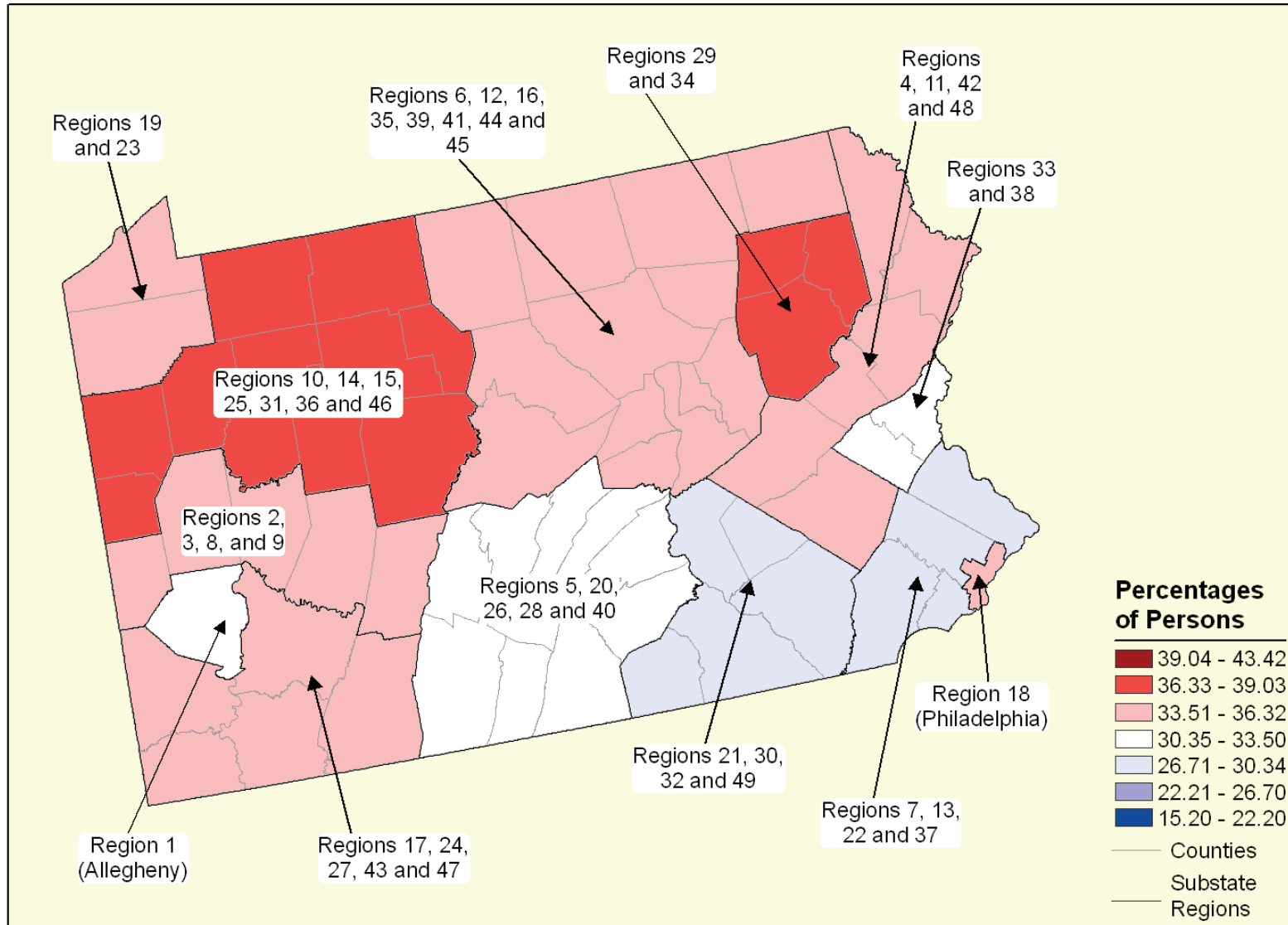
1316



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.



**Figure 39.6.2 Any Tobacco Product Use in Past Month among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

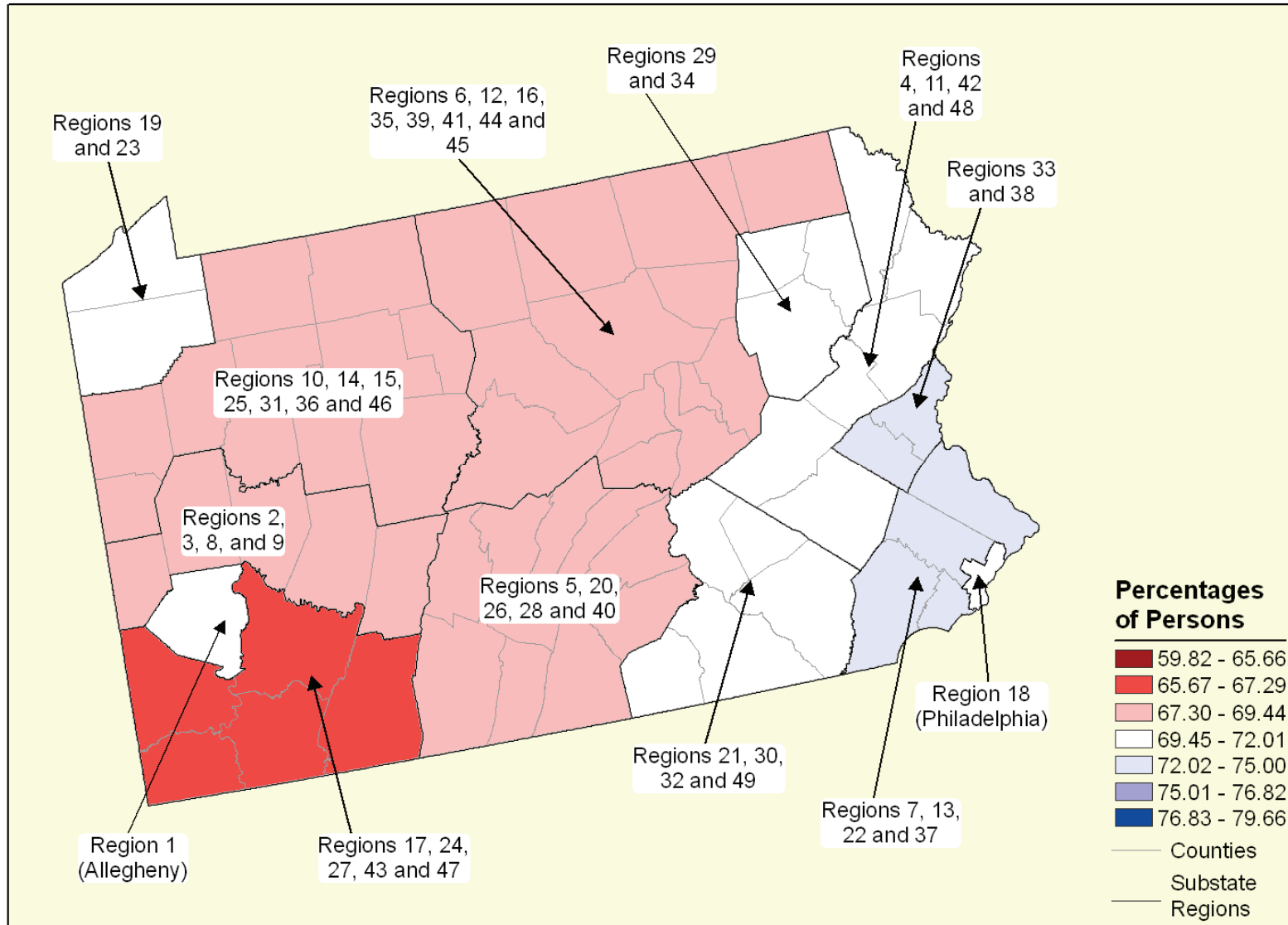


1317

NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.6.3 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

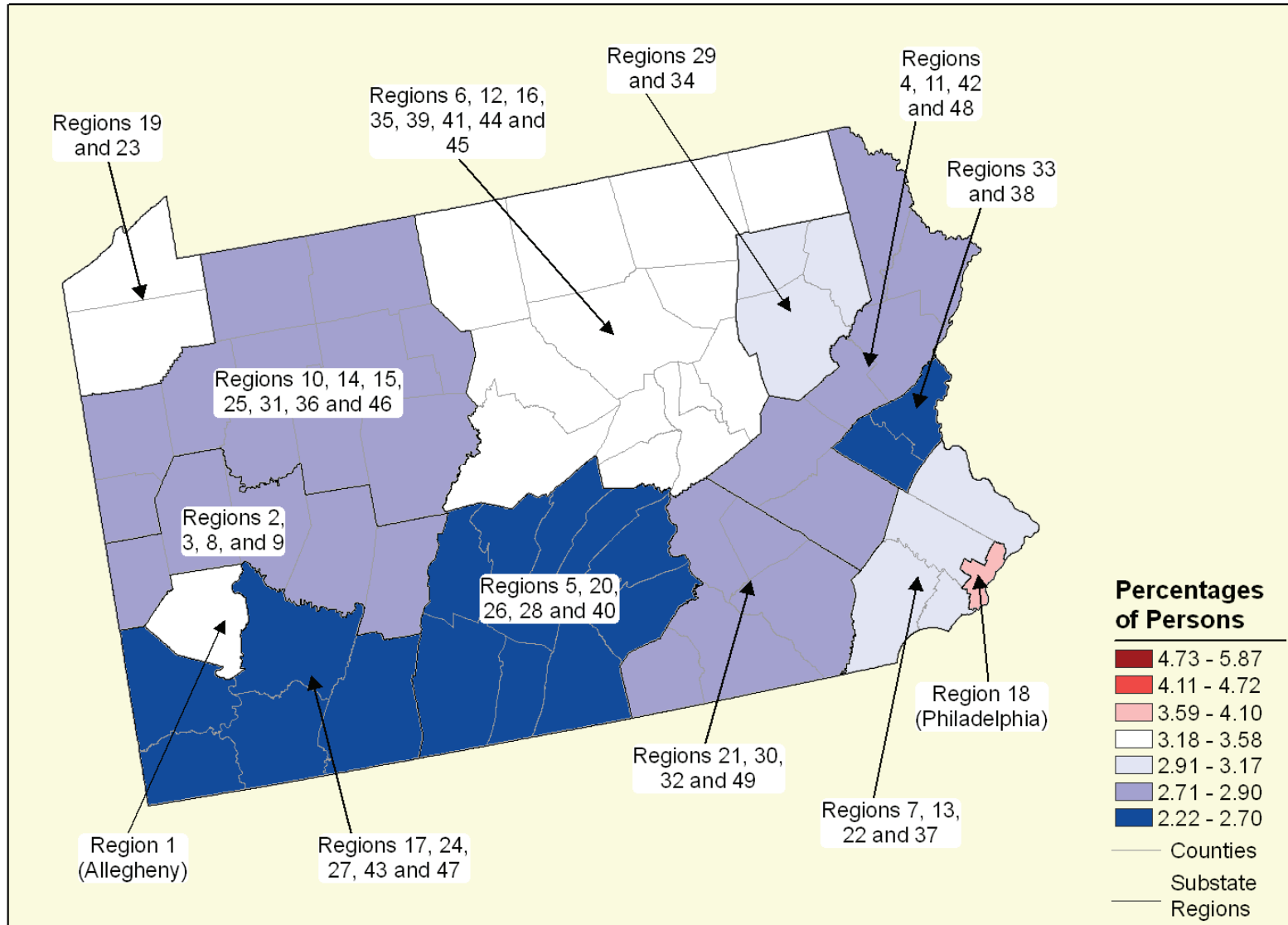
1318



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.7.1 Alcohol Dependence in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

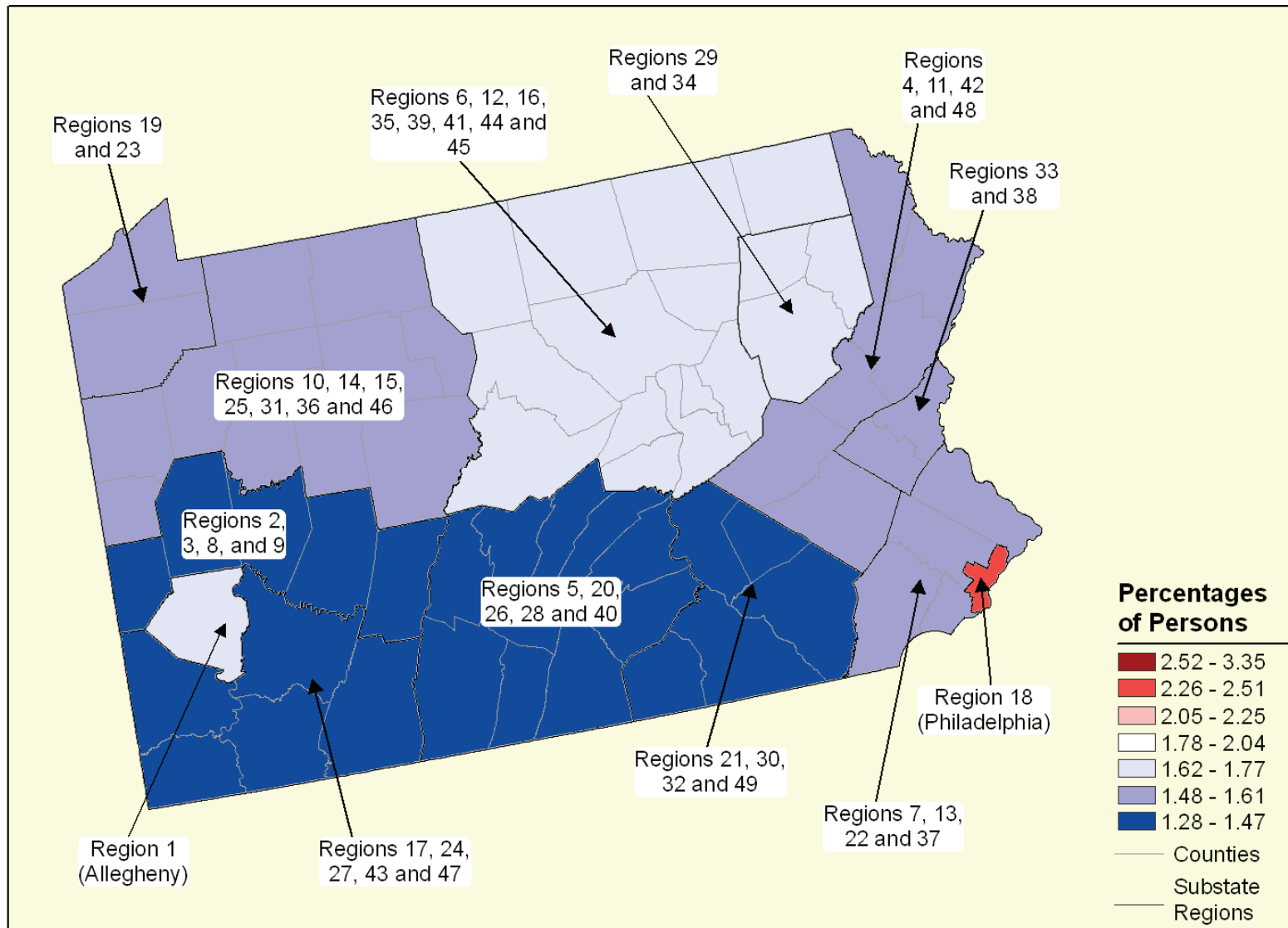
1319



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

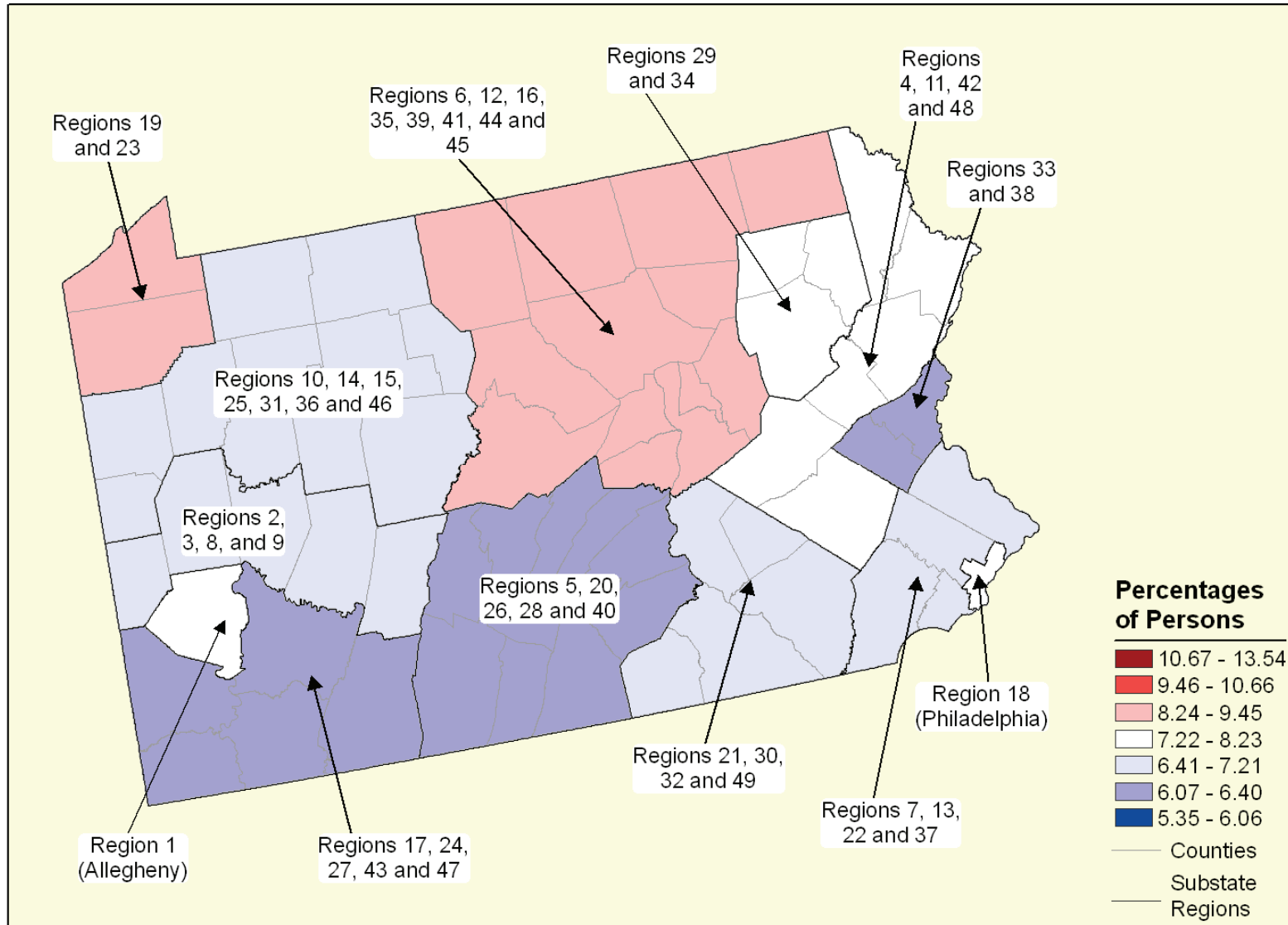
**Figure 39.7.2 Any Illicit Drug Dependence in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

1320



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

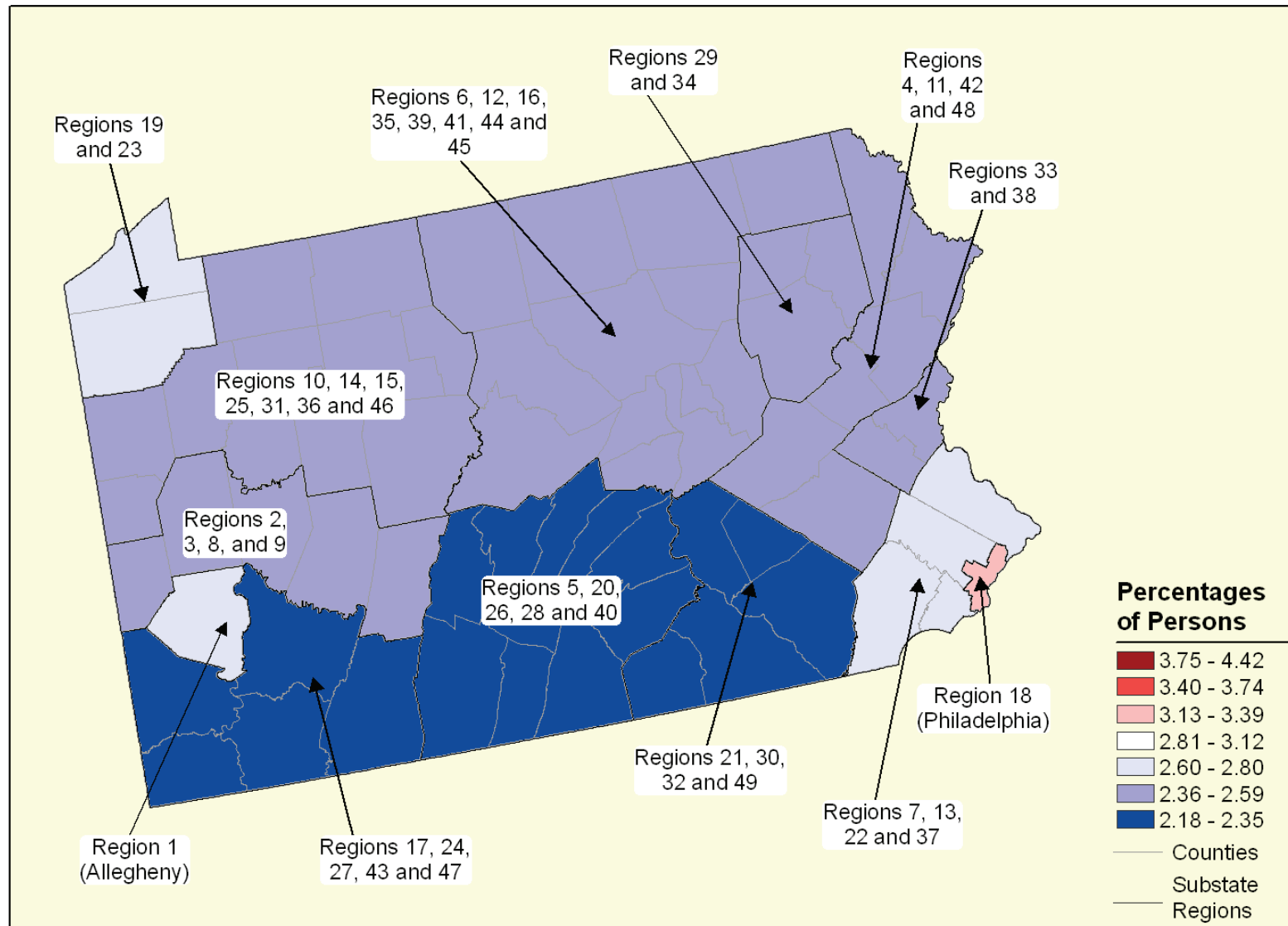
**Figure 39.8.1 Alcohol Dependence or Abuse in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**



1321

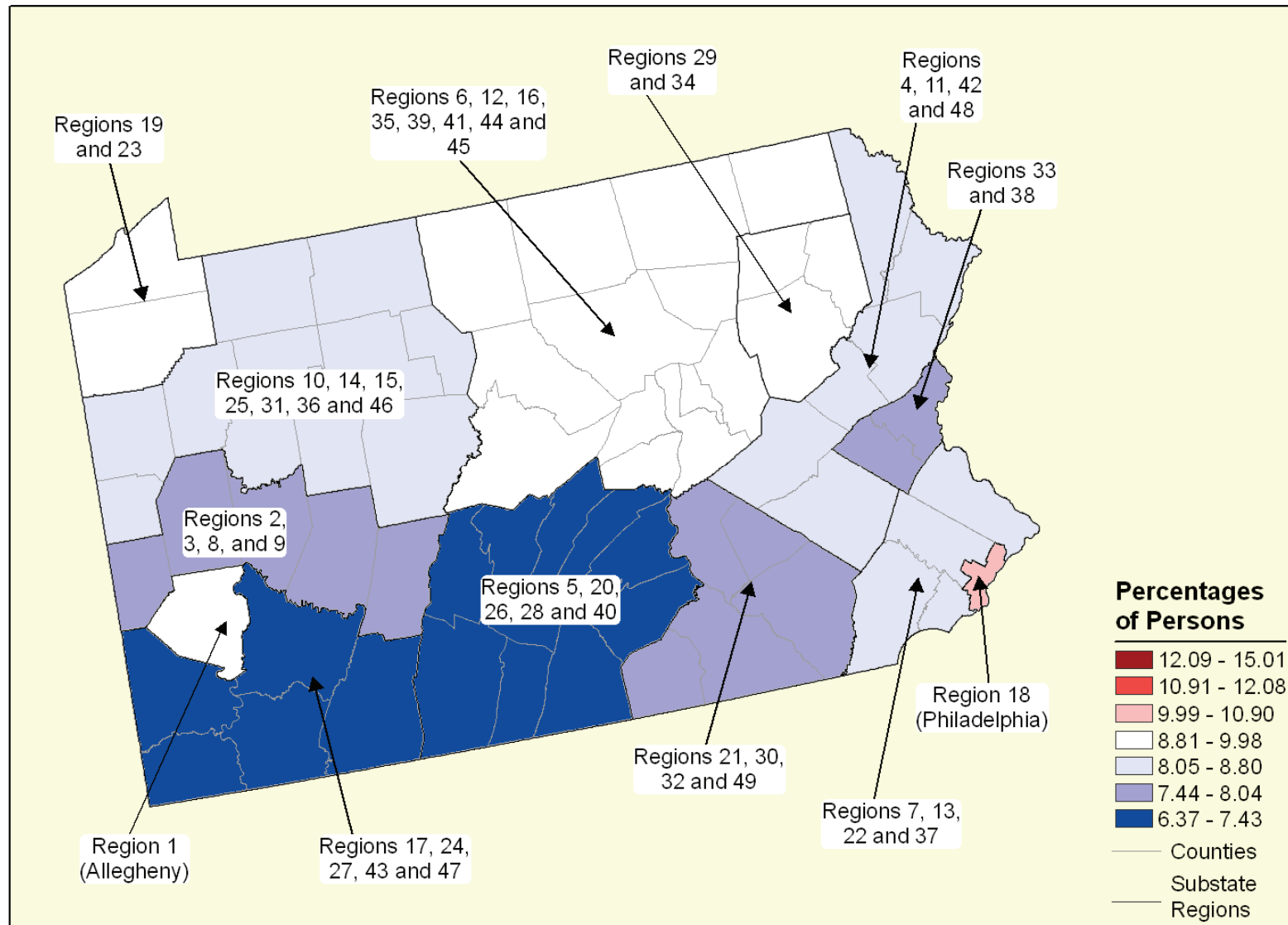
NOTE: The legend's ranges were created by dividing 340 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.8.2 Any Illicit Drug Dependence or Abuse in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**



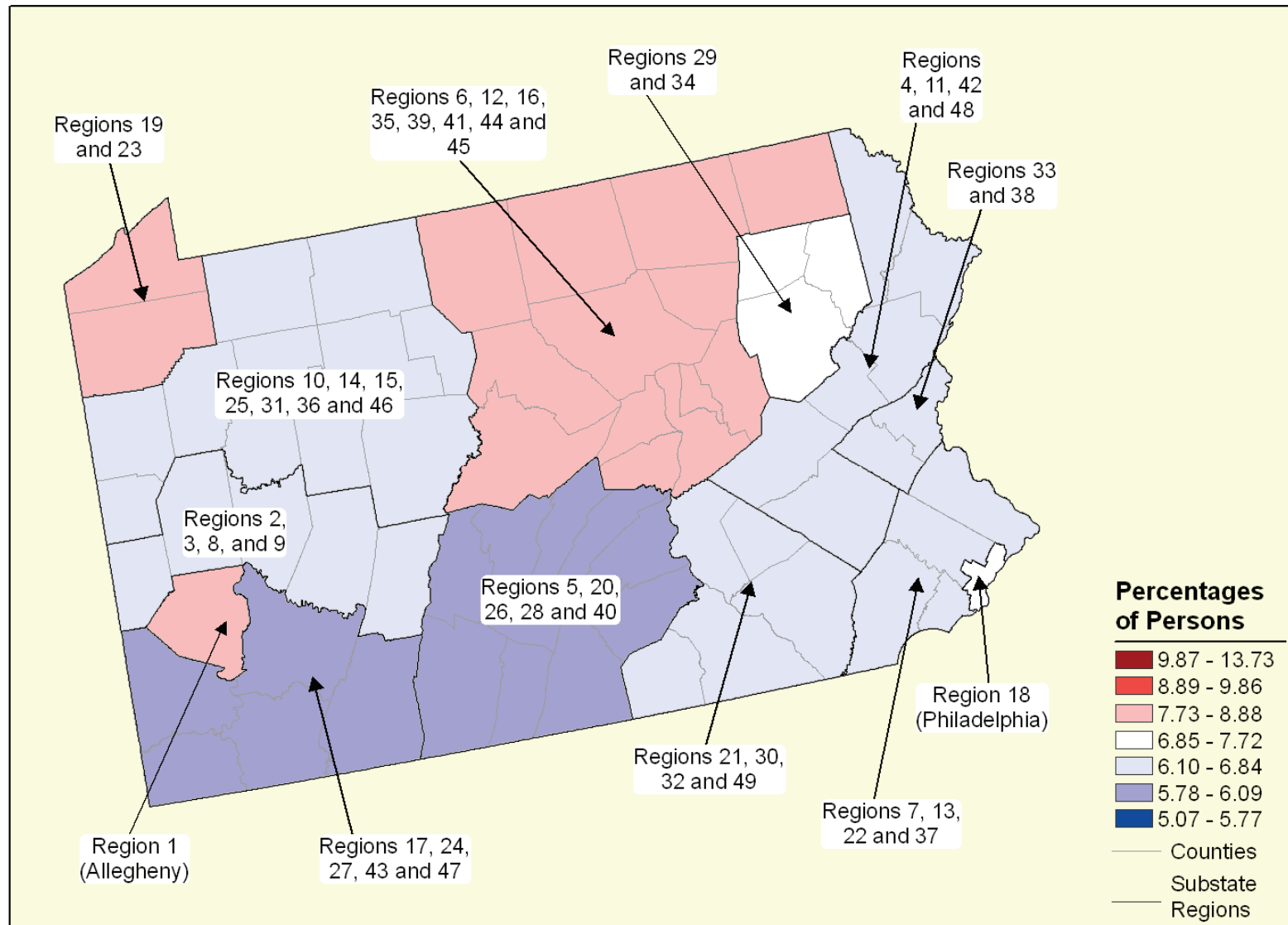
NOTE: The legend's ranges were created by dividing 340 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.8.3** *Dependence on or Abuse of Any Illicit Drug or Alcohol in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs*



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
 Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

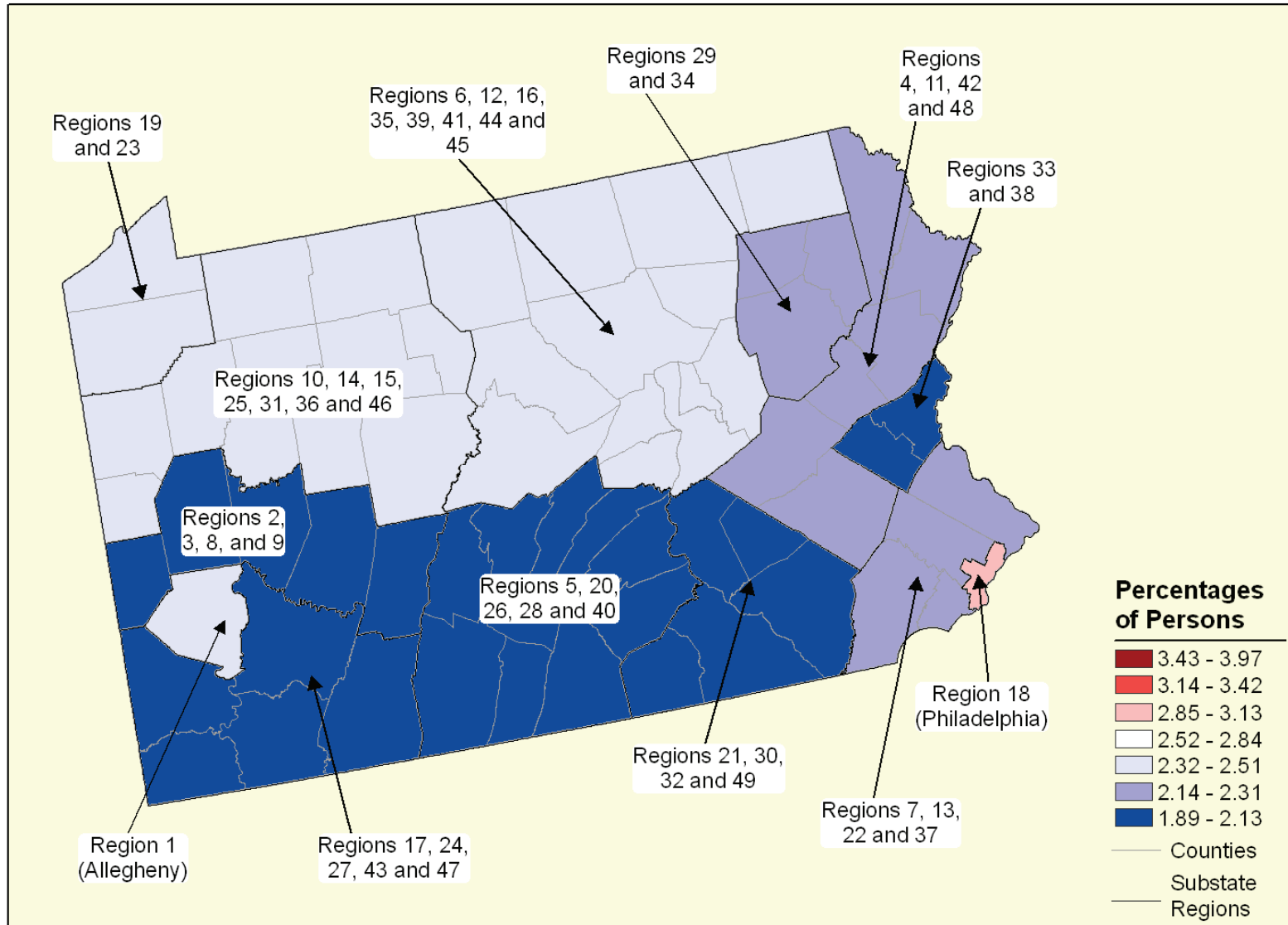
**Figure 39.9.1 Needing But Not Receiving Treatment for Alcohol Use in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.  
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.



**Figure 39.9.2** *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Persons Aged 12 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs*



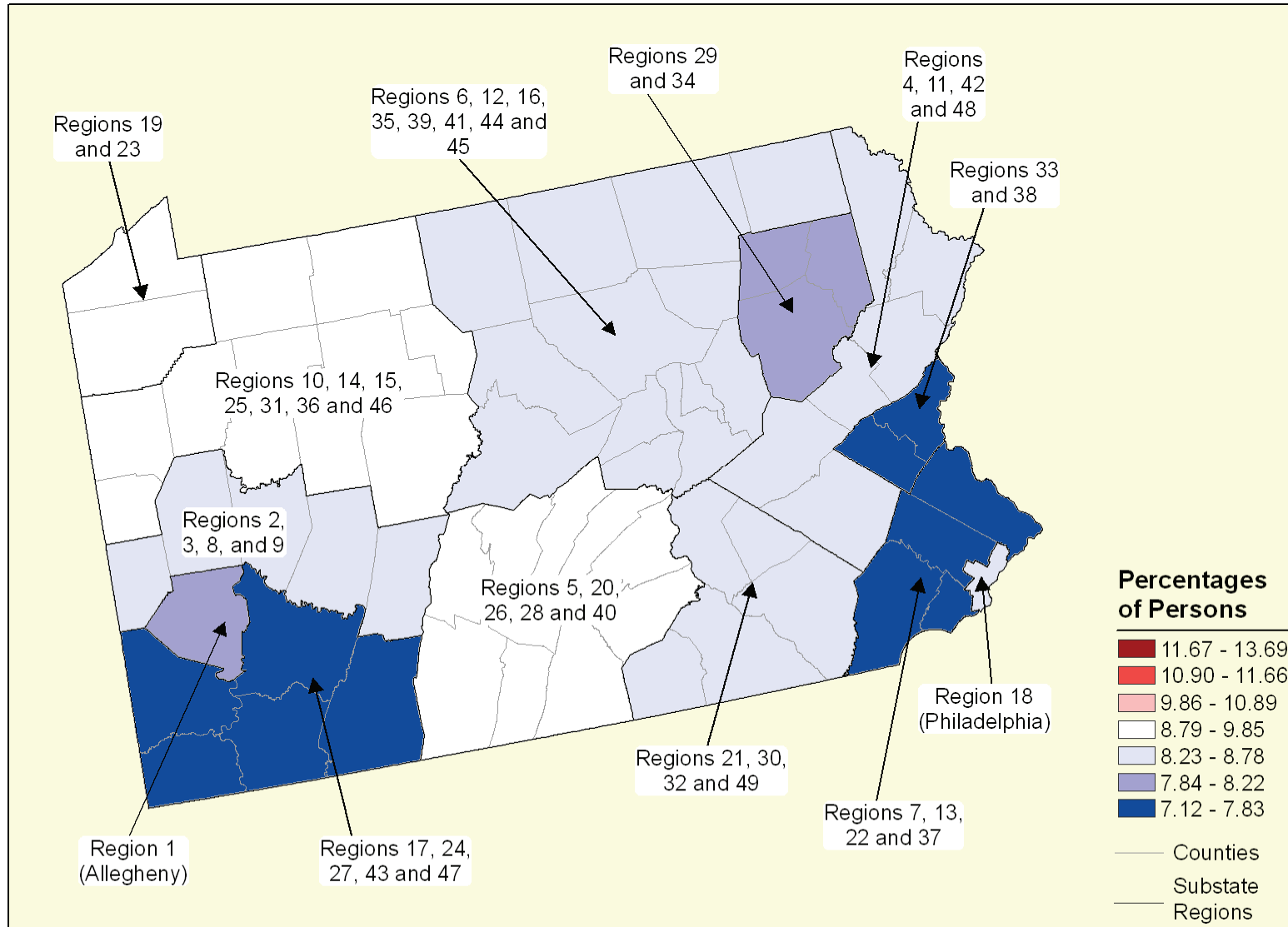
1325

NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.

**Figure 39.10 Serious Psychological Distress in Past Year among Persons Aged 18 or Older in Pennsylvania, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs**

1326



NOTE: The legend's ranges were created by dividing 340 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 2002-2004 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.