Table 35.1 *Illicit Drug Use in Past Month and Illicit Drug Use Other Than Marijuana in Past Month* **in North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**

State/Substate Region	Illicit Drug Use in Past Month		Illicit Drug Use Other Than Marijuana in Past Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	6.04	(5.08 - 7.17)	2.53	(1.98 - 3.24)
Badlands and West Central	5.84	(4.40 - 7.71)	2.40	(1.67 - 3.45)
Lake Region and South Central	4.91	(3.48 - 6.88)	2.44	(1.62 - 3.65)
North Central and Northwest	4.98	(3.65 - 6.75)	2.51	(1.69 - 3.70)
Northeast	6.67	(5.08 - 8.70)	2.93	(2.03 - 4.22)
Southeast	7.29	(5.85 - 9.05)	2.53	(1.78 - 3.59)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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: Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically. Illicit Drugs Other Than Marijuana include cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

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Table 35.2 *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 North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

State/Substate Region	Marijuana Use in Past Month		Average Annual Rate of First Use of Marijuana[1]		Perceptions of Great Risk of Smoking Marijuana Once a Month	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	4.70	(3.90 - 5.66)	1.54	(1.33 - 1.77)	39.38	(36.75 - 42.07)
Badlands and West Central	4.80	(3.57 - 6.42)	1.35	(1.06 - 1.73)	39.66	(35.01 - 44.50)
Lake Region and South Central	3.58	(2.51 - 5.08)	1.18	(0.91 - 1.53)	46.07	(40.78 - 51.45)
North Central and Northwest	3.39	(2.41 - 4.76)	1.32	(1.02 - 1.71)	42.82	(37.77 - 48.01)
Northeast	4.58	(3.36 - 6.21)	1.78	(1.34 - 2.35)	37.24	(32.68 - 42.03)
Southeast	6.20	(4.83 - 7.93)	2.01	(1.58 - 2.55)	34.00	(29.86 - 38.40)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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] *Average annual rate* $= 100*\{[X_1 \div (0.5 * X_1 + X_2)] \div 2\}$, where X_1 is the number of marijuana initiates in the past 24 months and X_2 is the number of persons who never used marijuana. Both of the computation components, X_1 and X_2, 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 age group-specific 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, 2004, 2005, and 2006.

Table 35.3 *Marijuana Use in Past Year, Cocaine Use in Past Year, and Nonmedical Use of Pain Relievers in Past Year* **in North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 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
North Dakota	8.40	(7.39 - 9.54)	1.58	(1.19 - 2.10)	4.09	(3.43 - 4.87)
Badlands and West Central	7.89	(6.29 - 9.85)	1.36	(0.91 - 2.04)	4.20	(3.17 - 5.54)
Lake Region and South Central	6.26	(4.70 - 8.29)	1.37	(0.89 - 2.10)	3.63	(2.61 - 5.03)
North Central and Northwest	6.52	(5.05 - 8.37)	1.43	(0.94 - 2.17)	4.09	(3.04 - 5.49)
Northeast	8.77	(7.03 - 10.90)	1.91	(1.27 - 2.87)	4.56	(3.39 - 6.10)
Southeast	11.22	(9.30 - 13.49)	1.86	(1.25 - 2.75)	3.99	(3.05 - 5.22)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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, 2004, 2005, and 2006.

Table 35.4 *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 North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

State/Substate Region	Alcohol Use in Past Month		Binge Alcohol Use in Past Month[1]		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
North Dakota	59.13	(56.45 - 61.75)	30.96	(28.68 - 33.34)	33.49	(31.04 - 36.03)
Badlands and West Central	59.31	(54.55 - 63.90)	29.15	(25.52 - 33.06)	35.10	(31.25 - 39.14)
Lake Region and South Central	48.95	(43.57 - 54.36)	28.66	(24.49 - 33.23)	34.07	(29.73 - 38.69)
North Central and Northwest	54.55	(49.08 - 59.91)	29.67	(25.82 - 33.82)	32.41	(28.33 - 36.77)
Northeast	62.33	(57.11 - 67.28)	33.03	(29.05 - 37.27)	32.46	(28.50 - 36.69)
Southeast	66.30	(61.66 - 70.65)	33.90	(30.31 - 37.68)	32.80	(29.08 - 36.75)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

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Table 35.5 *Alcohol Use in Past Month and Binge Alcohol Use in Past Month among Persons Aged 12 to 20* **in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 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[1]	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	39.26	(36.81 - 41.76)	30.11	(27.89 - 32.41)
Badlands and West Central	37.64	(33.53 - 41.94)	29.32	(25.52 - 33.44)
Lake Region and South Central	30.84	(26.41 - 35.65)	24.70	(20.40 - 29.56)
North Central and Northwest	37.93	(33.35 - 42.73)	29.54	(25.39 - 34.06)
Northeast	43.50	(38.92 - 48.19)	33.26	(28.58 - 38.30)
Southeast	44.13	(40.18 - 48.16)	32.56	(28.83 - 36.52)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Table 35.6 *Cigarette Use in Past Month, Tobacco Product Use in Past Month, and Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day* **in North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**

State/Substate Region	Cigarette Use in Past Month		Tobacco Product Use in Past Month[1]		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
North Dakota	26.12	(24.03 - 28.33)	32.26	(30.06 - 34.53)	68.13	(65.63 - 70.54)
Badlands and West Central	26.33	(23.04 - 29.90)	32.51	(28.94 - 36.30)	66.97	(63.06 - 70.66)
Lake Region and South Central	24.19	(20.79 - 27.96)	30.72	(26.84 - 34.90)	67.94	(63.54 - 72.05)
North Central and Northwest	25.42	(21.99 - 29.18)	32.14	(28.35 - 36.18)	67.54	(63.22 - 71.58)
Northeast	27.79	(24.29 - 31.59)	33.86	(29.98 - 37.97)	69.53	(65.59 - 73.20)
Southeast	26.65	(23.56 - 30.00)	32.15	(28.87 - 35.62)	69.06	(65.46 - 72.44)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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] Tobacco Products include 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, 2004, 2005, and 2006.

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Table 35.7 *Alcohol Dependence in Past Year and Illicit Drug Dependence in Past Year* in North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

State/Substate Region	Alcohol Dependence in Past Year		Illicit Drug Dependence in Past Year[1]	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	3.82	(3.17 - 4.60)	1.51	(1.17 - 1.96)
Badlands and West Central	3.53	(2.58 - 4.80)	1.37	(0.93 - 2.00)
Lake Region and South Central	3.12	(2.19 - 4.43)	1.31	(0.85 - 2.02)
North Central and Northwest	3.57	(2.61 - 4.87)	1.48	(1.00 - 2.18)
Northeast	4.18	(3.09 - 5.62)	1.73	(1.16 - 2.56)
Southeast	4.50	(3.38 - 5.97)	1.69	(1.16 - 2.45)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

[1] Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Table 35.8 *Alcohol Dependence or Abuse in Past Year, Illicit Drug Dependence or Abuse in Past Year, and Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year* in North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

State/Substate Region	Alcohol Dependence or Abuse in Past Year		Illicit Drug Dependence or Abuse in Past Year[1]		Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year[1]	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	9.91	(8.74 - 11.22)	2.20	(1.78 - 2.73)	10.91	(9.73 - 12.21)
Badlands and West Central	9.31	(7.60 - 11.36)	2.06	(1.49 - 2.83)	10.10	(8.35 - 12.16)
Lake Region and South Central	7.29	(5.68 - 9.30)	1.99	(1.36 - 2.90)	8.32	(6.55 - 10.51)
North Central and Northwest	9.65	(7.72 - 11.99)	2.02	(1.42 - 2.86)	10.78	(8.72 - 13.26)
Northeast	10.57	(8.66 - 12.86)	2.53	(1.81 - 3.51)	11.87	(9.84 - 14.26)
Southeast	11.88	(9.91 - 14.19)	2.43	(1.76 - 3.35)	12.84	(10.84 - 15.14)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).

[1] Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Table 35.9 *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 North Dakota among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

State/Substate Region	Needing But Not Receiving Treatment for Alcohol Use in Past Year[1]		Needing But Not Receiving Treatment for Illicit Drug Use in Past Year[2]	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	9.55	(8.41 - 10.83)	1.95	(1.57 - 2.42)
Badlands and West Central	8.84	(7.14 - 10.88)	1.80	(1.27 - 2.53)
Lake Region and South Central	7.01	(5.47 - 8.96)	1.75	(1.18 - 2.60)
North Central and Northwest	9.31	(7.52 - 11.47)	1.83	(1.26 - 2.64)
Northeast	10.33	(8.50 - 12.51)	2.30	(1.62 - 3.26)
Southeast	11.51	(9.62 - 13.72)	2.11	(1.53 - 2.91)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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.
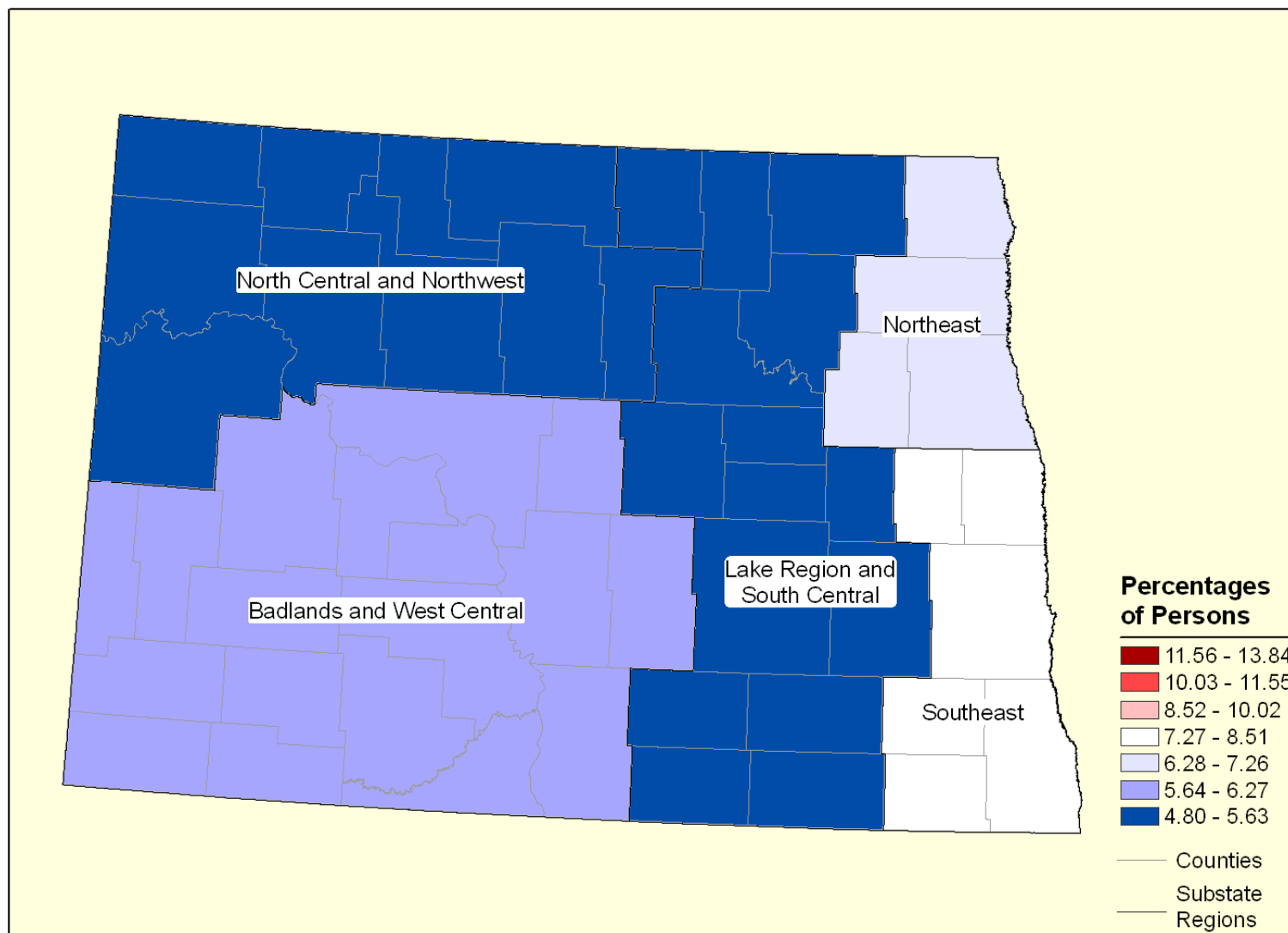
[1] Needing But Not Receiving Treatment refers to respondents classified as needing treatment for alcohol, but not receiving treatment for an alcohol problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers).

[2] 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), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

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Table 35.10 *Serious Psychological Distress in Past Year and Having at Least One Major Depressive Episode in Past Year* **in North Dakota among Persons Aged 18 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**

State/Substate Region	Serious Psychological Distress in Past Year[1]		Having at Least One Major Depressive Episode in Past Year[2]	
	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
North Dakota	11.82	(10.40 - 13.41)	7.72	(6.54 - 9.10)
Badlands and West Central	11.24	(9.24 - 13.61)	7.25	(5.58 - 9.38)
Lake Region and South Central	12.32	(9.90 - 15.25)	7.86	(5.89 - 10.42)
North Central and Northwest	11.50	(9.34 - 14.07)	7.01	(5.35 - 9.13)
Northeast	11.72	(9.60 - 14.24)	8.13	(6.29 - 10.45)
Southeast	12.37	(10.35 - 14.72)	8.34	(6.56 - 10.55)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 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] Serious Psychological Distress (SPD) is defined as having a score of 13 or higher on the K6 scale. Because of questionnaire changes, these estimates are not comparable with estimates from the 2002-2004 substate report. For details, see Section B.7 of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health.* Data for SPD are not defined for 12 to 17 year olds; therefore, the estimates reflect only those aged 18 or older.

[2] Major Depressive Episode (MDE) is defined as in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV), which specifies a period of at least 2 weeks when a person experienced a depressed mood or loss of interest or pleasure in daily activities and had a majority of specified depression symptoms. 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 persons aged 18 or older to get an overall estimate (12 or older).

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.1.1 *Illicit Drug Use in Past Month* **among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**
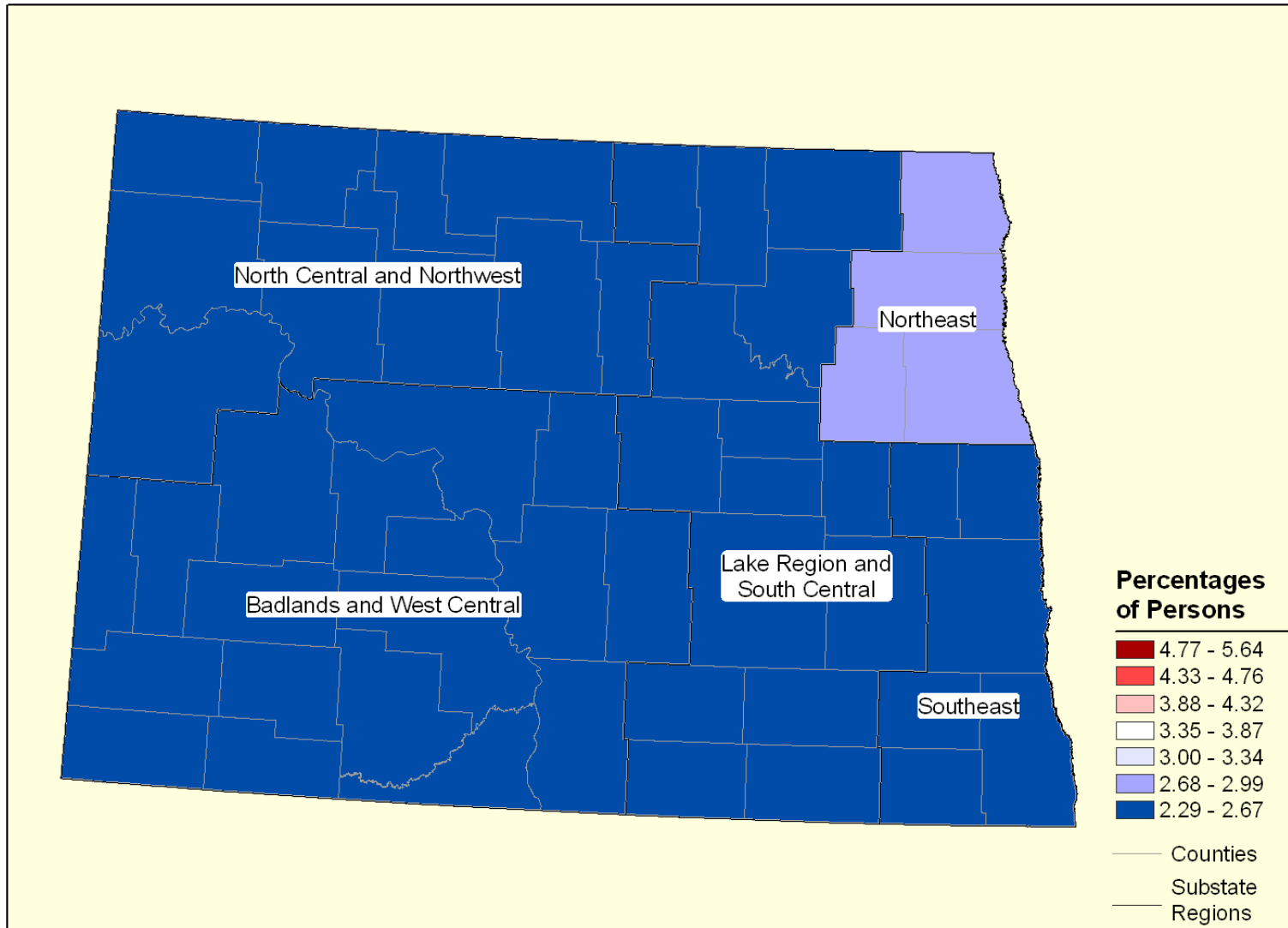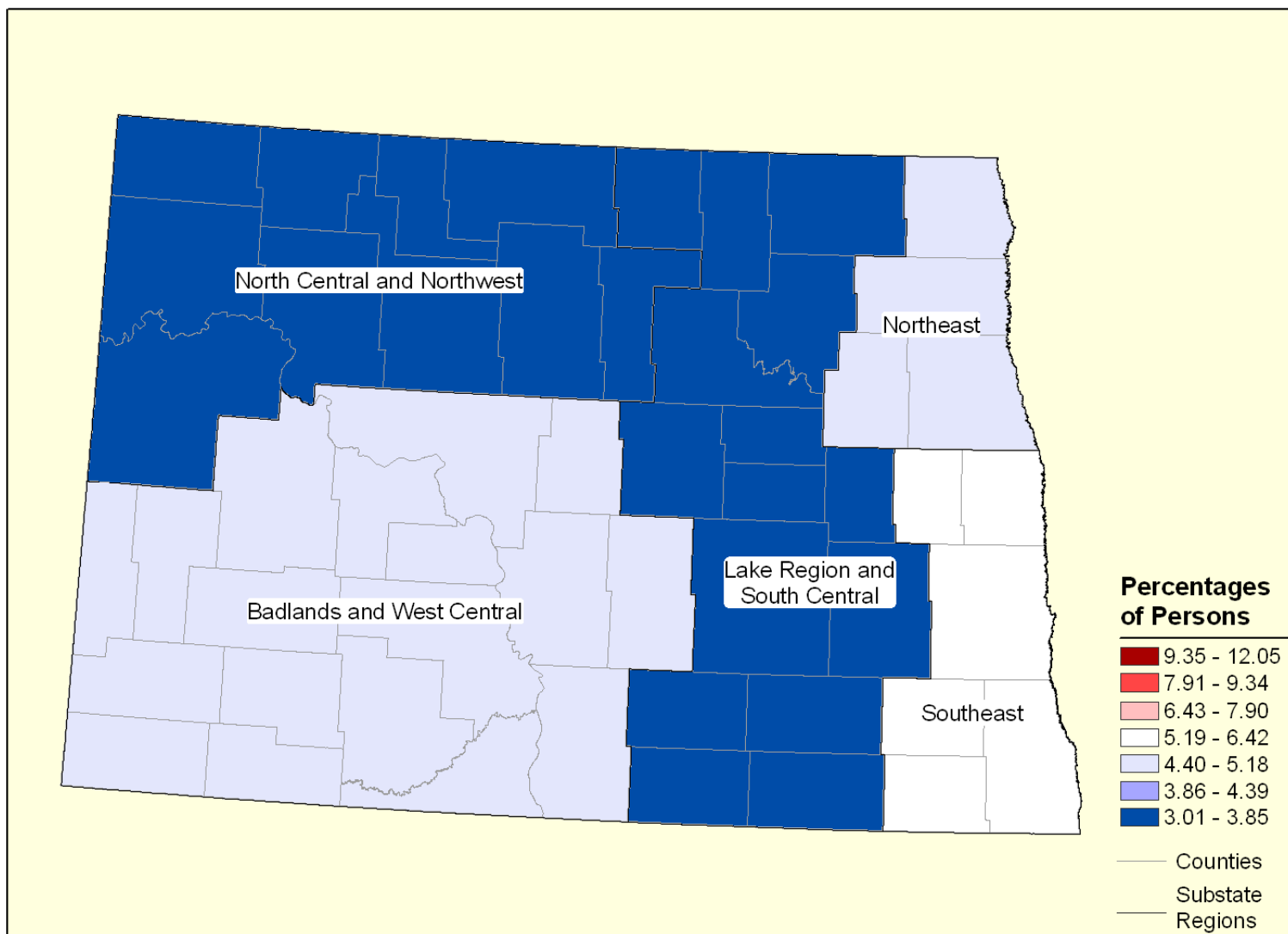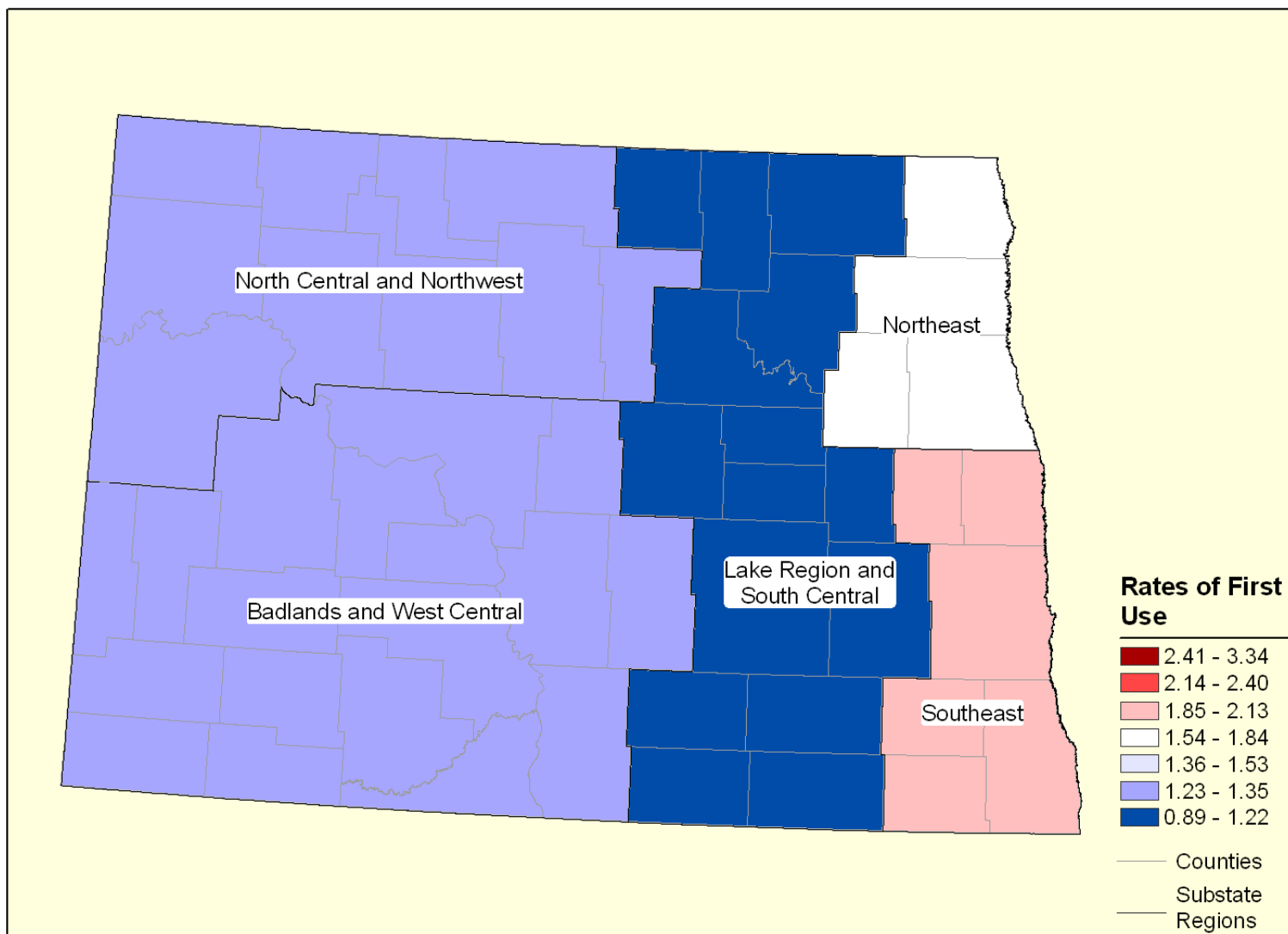
NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.1.2 *Illicit Drug Use Other Than Marijuana in Past Month* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

North Central and Northwest

Northeast

Lake Region and South Central

Badlands and West Central

Southeast

Percentages of Persons

- 4.77 - 5.64
- 4.33 - 4.76
- 3.88 - 4.32
- 3.35 - 3.87
- 3.00 - 3.34
- 2.68 - 2.99
- 2.29 - 2.67
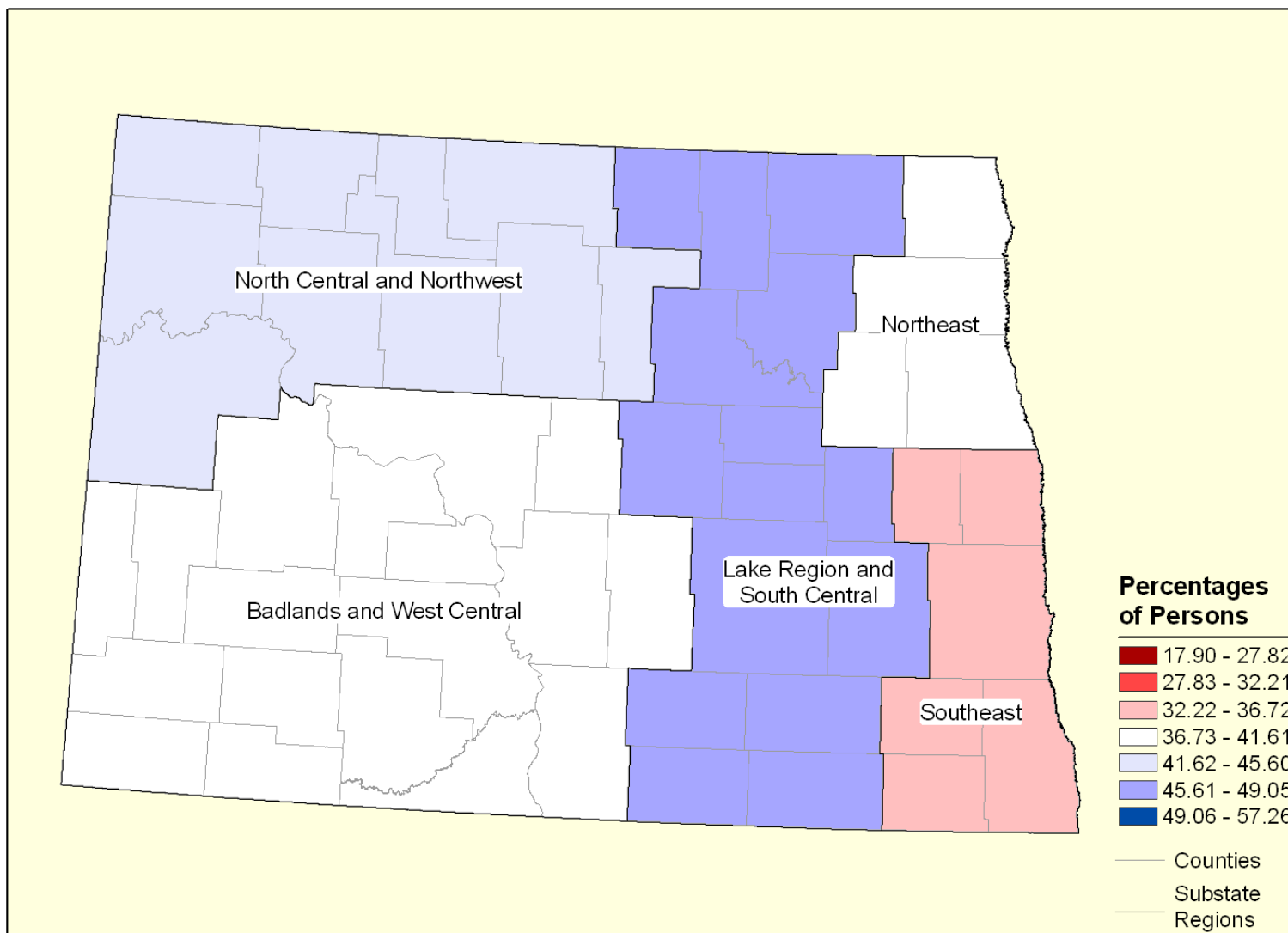
— Counties

— Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.2.1 *Marijuana Use in Past Month* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
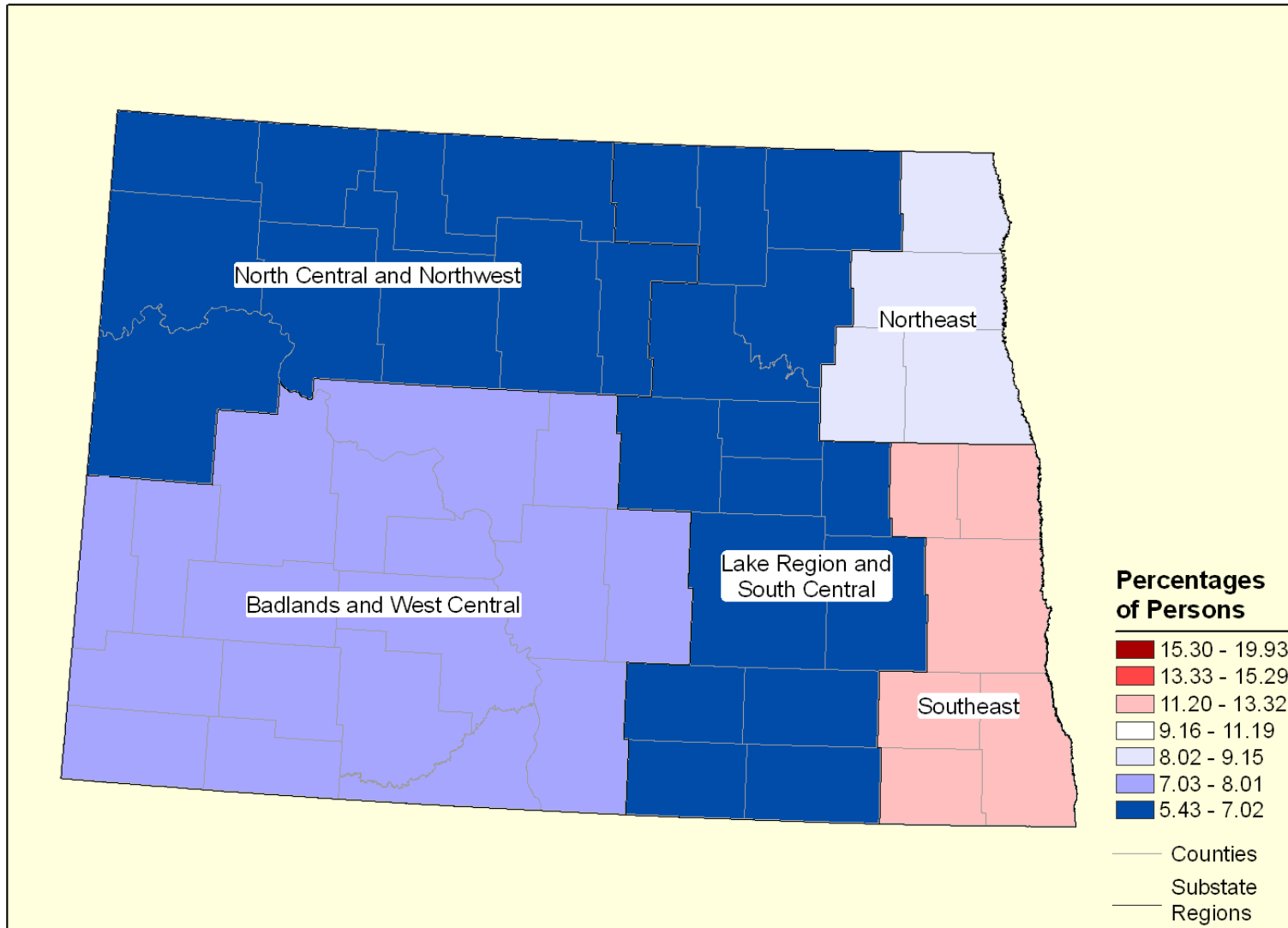

NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.2.2 *First Use of Marijuana* among Persons Aged 12 or Older in North Dakota, by Substate Region: Average Annual Rates Based on 2004, 2005, and 2006 NSDUHs

North Central and Northwest

Northeast

Lake Region and South Central

Badlands and West Central

Southeast

Rates of First Use

- 2.41 - 3.34
- 2.14 - 2.40
- 1.85 - 2.13
- 1.54 - 1.84
- 1.36 - 1.53
- 1.23 - 1.35
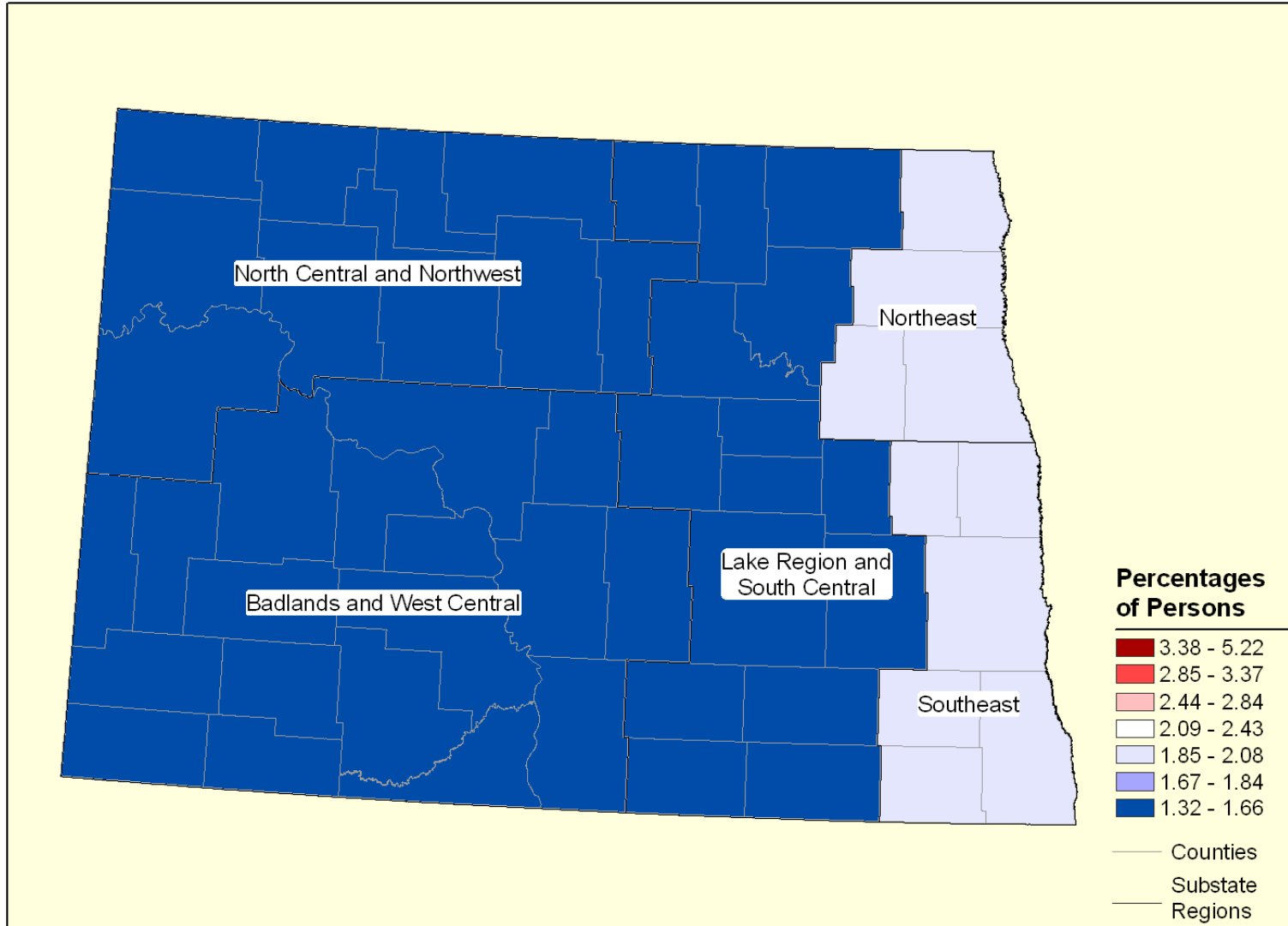- 0.89 - 1.22

Counties

Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health.*

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.2.3 *Perceptions of Great Risk of Smoking Marijuana Once a Month* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

North Central and Northwest

Northeast

Lake Region and South Central

Badlands and West Central

Southeast

Percentages of Persons

- 17.90 - 27.82
- 27.83 - 32.21
- 32.22 - 36.72
- 36.73 - 41.61
- 41.62 - 45.60
- 45.61 - 49.05
- 49.06 - 57.26

— Counties

— Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.3.1 *Marijuana Use in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
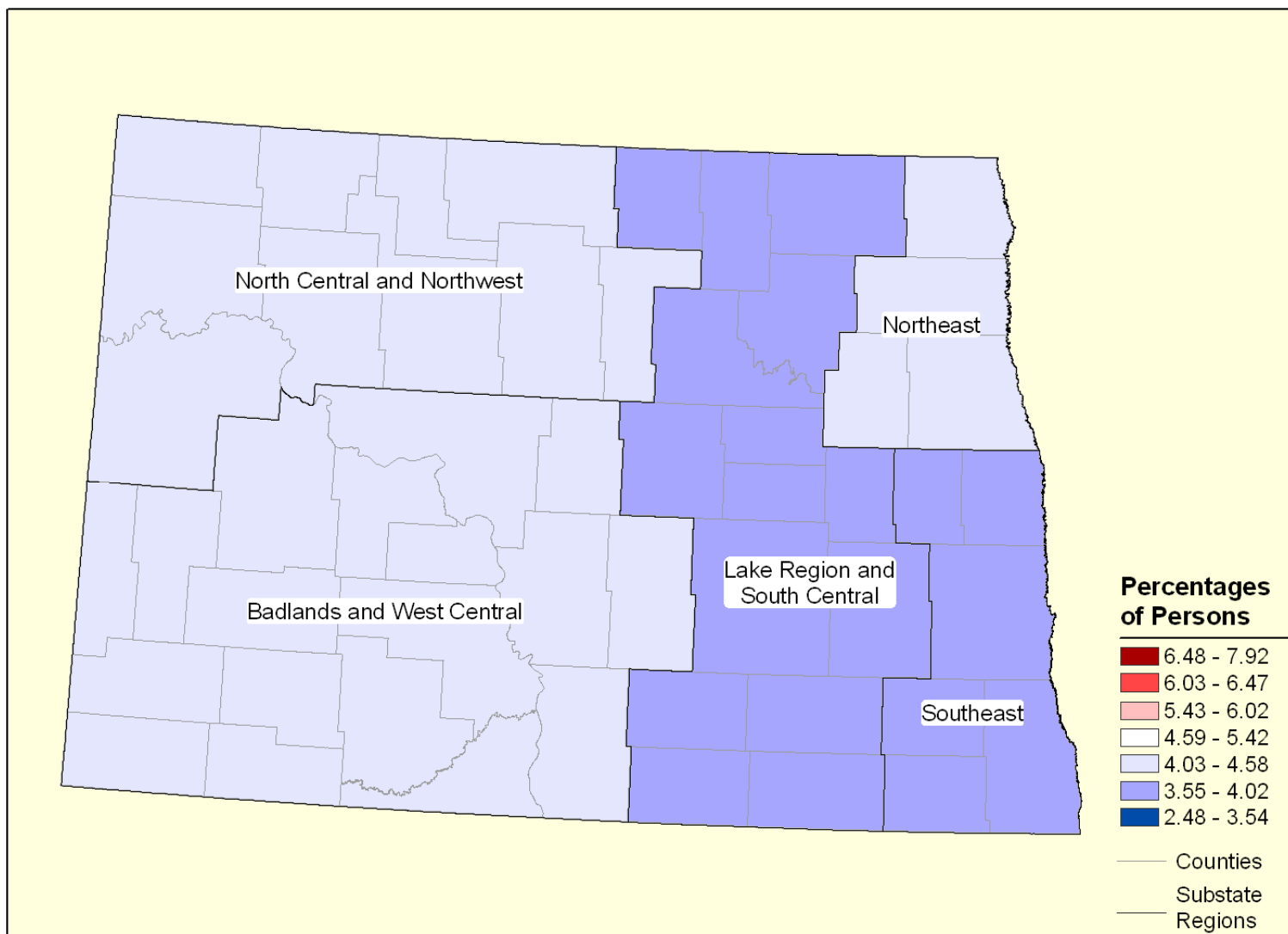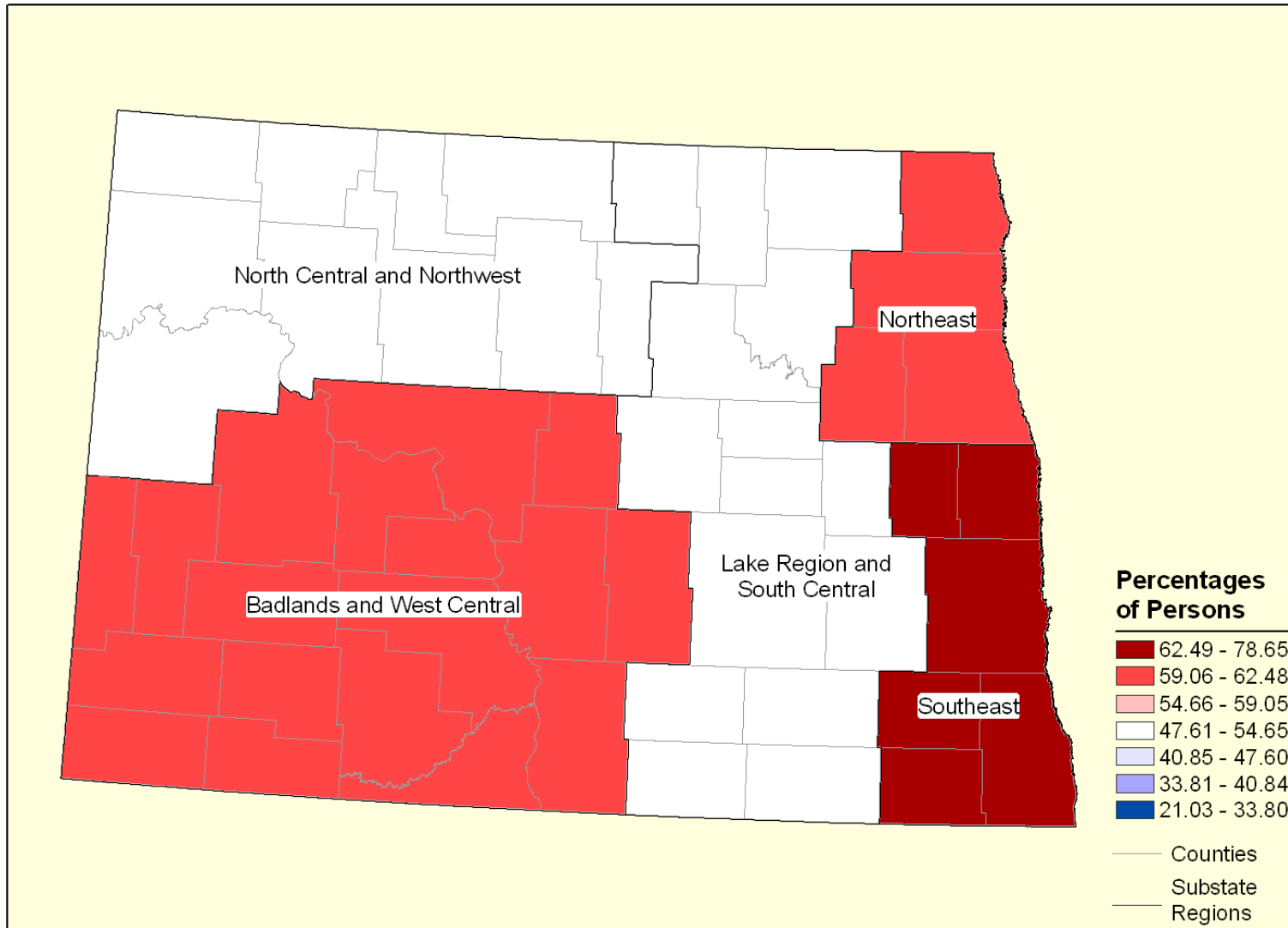

North Central and Northwest

Northeast

Badlands and West Central

Lake Region and South Central

Southeast

Percentages of Persons

- 15.30 - 19.93
- 13.33 - 15.29
- 11.20 - 13.32
- 9.16 - 11.19
- 8.02 - 9.15
- 7.03 - 8.01
- 5.43 - 7.02

Counties

Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.3.2 *Cocaine Use in Past Year* **among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**
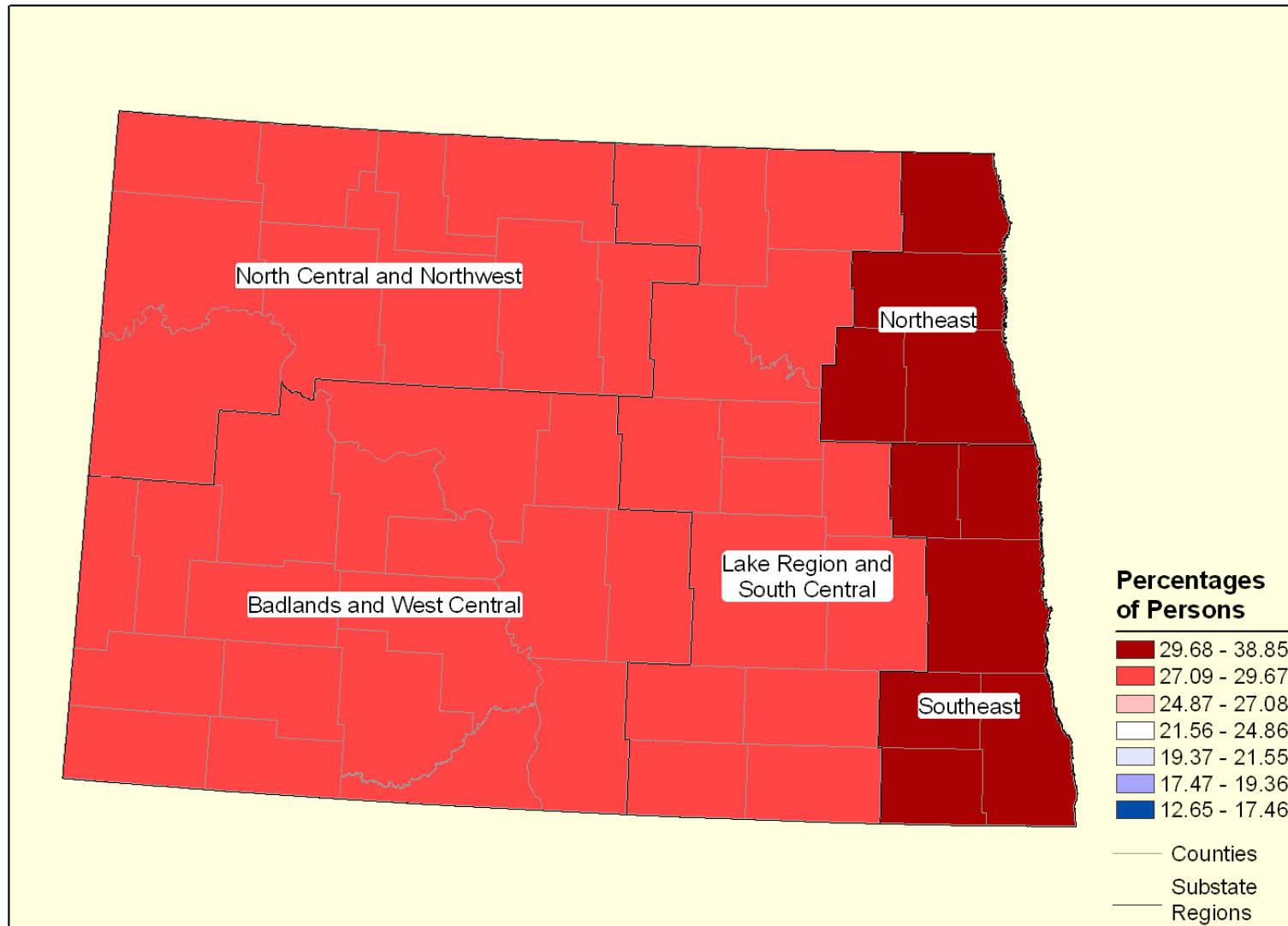
NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.3.3 *Nonmedical Use of Pain Relievers in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
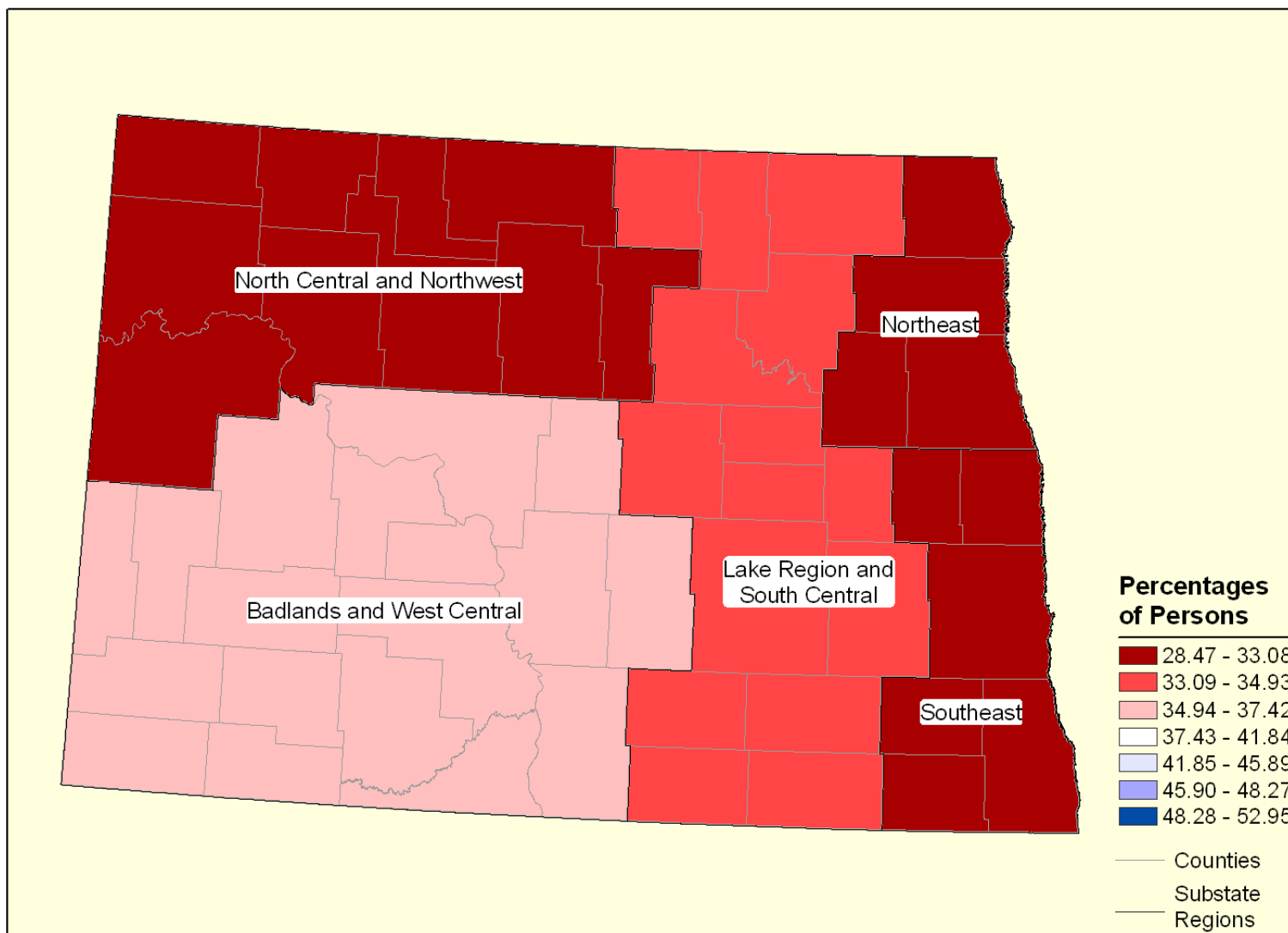
NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.
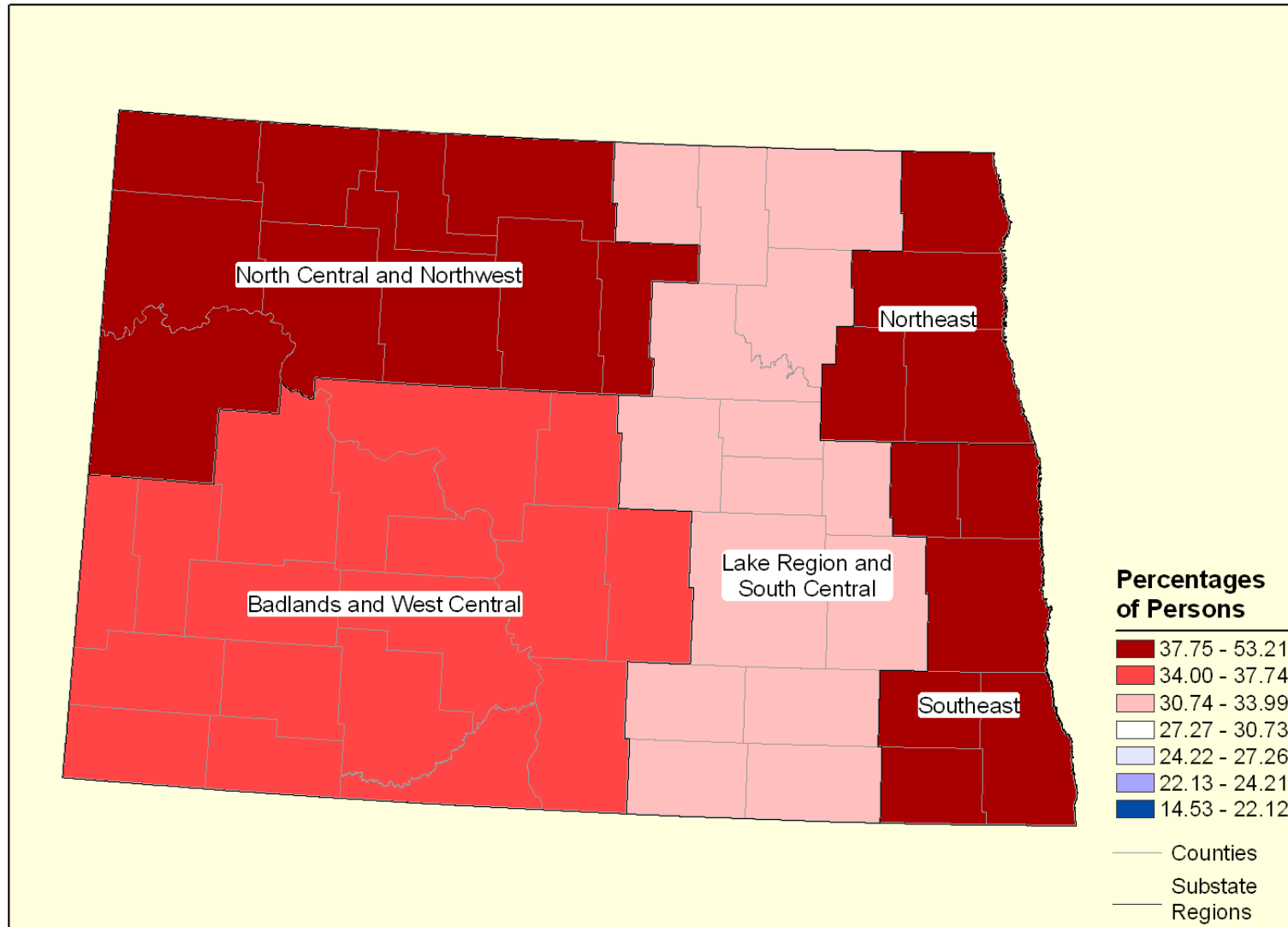
Figure 35.4.1 *Alcohol Use in Past Month* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.4.2 *Binge Alcohol Use in Past Month* **among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**
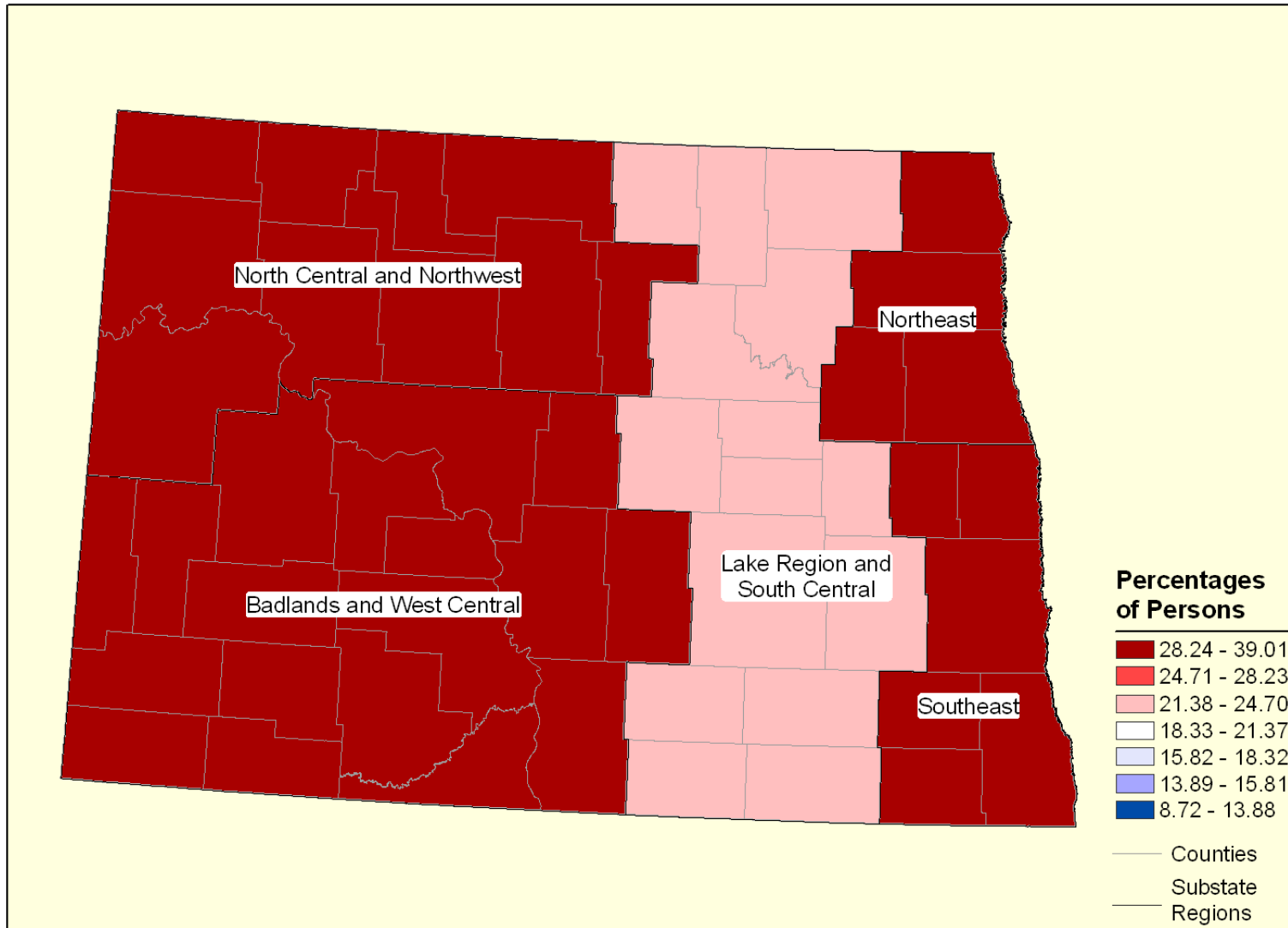

NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.4.3 *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 North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**

Percentages of Persons

- 28.47 - 33.08
- 33.09 - 34.93
- 34.94 - 37.42
- 37.43 - 41.84
- 41.85 - 45.89
- 45.90 - 48.27
- 48.28 - 52.95

— Counties

— Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health.*

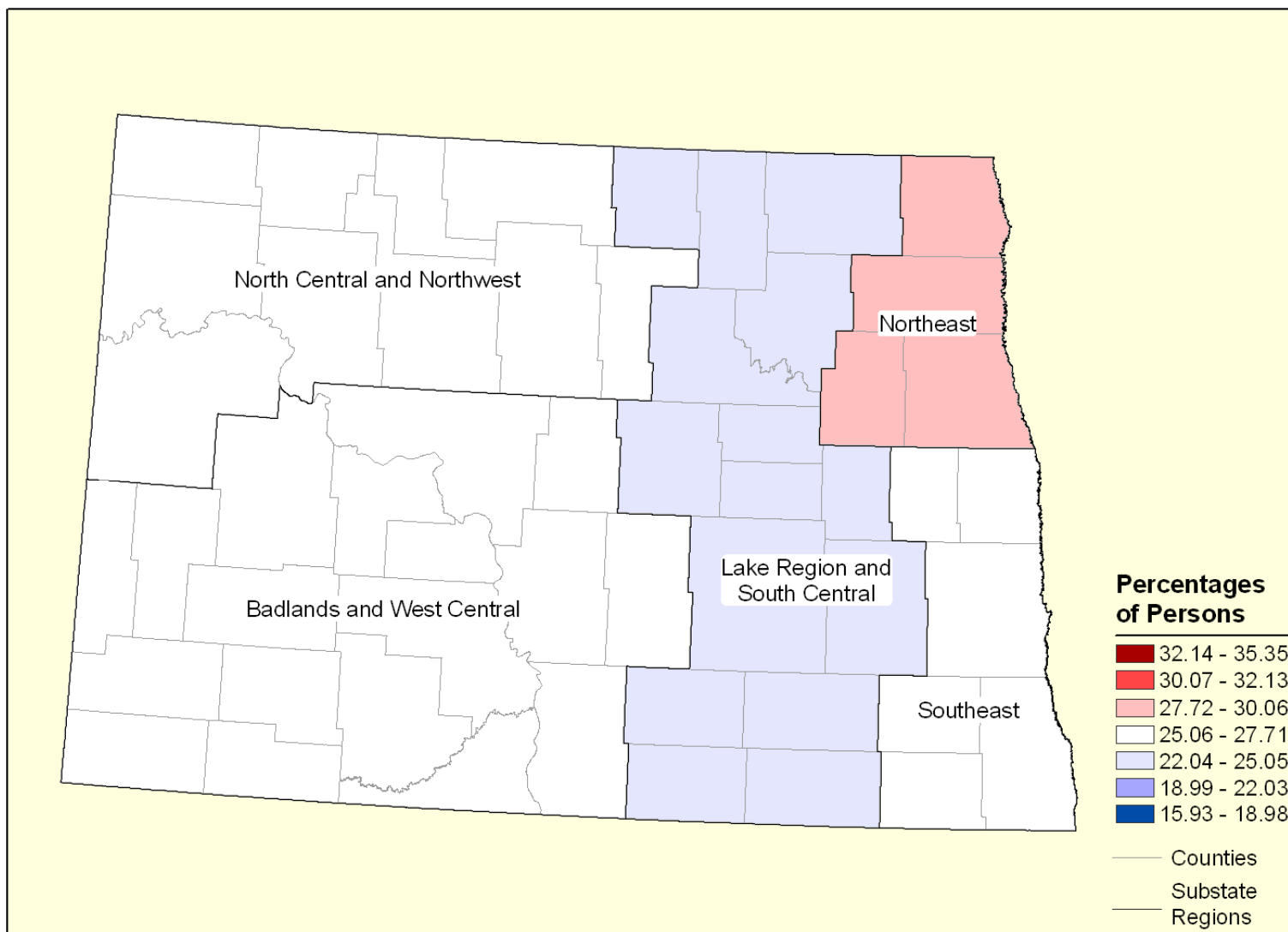Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.5.1 *Alcohol Use in Past Month among Persons Aged 12 to 20* in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health.*

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.5.2 *Binge Alcohol Use in Past Month among Persons Aged 12 to 20* in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
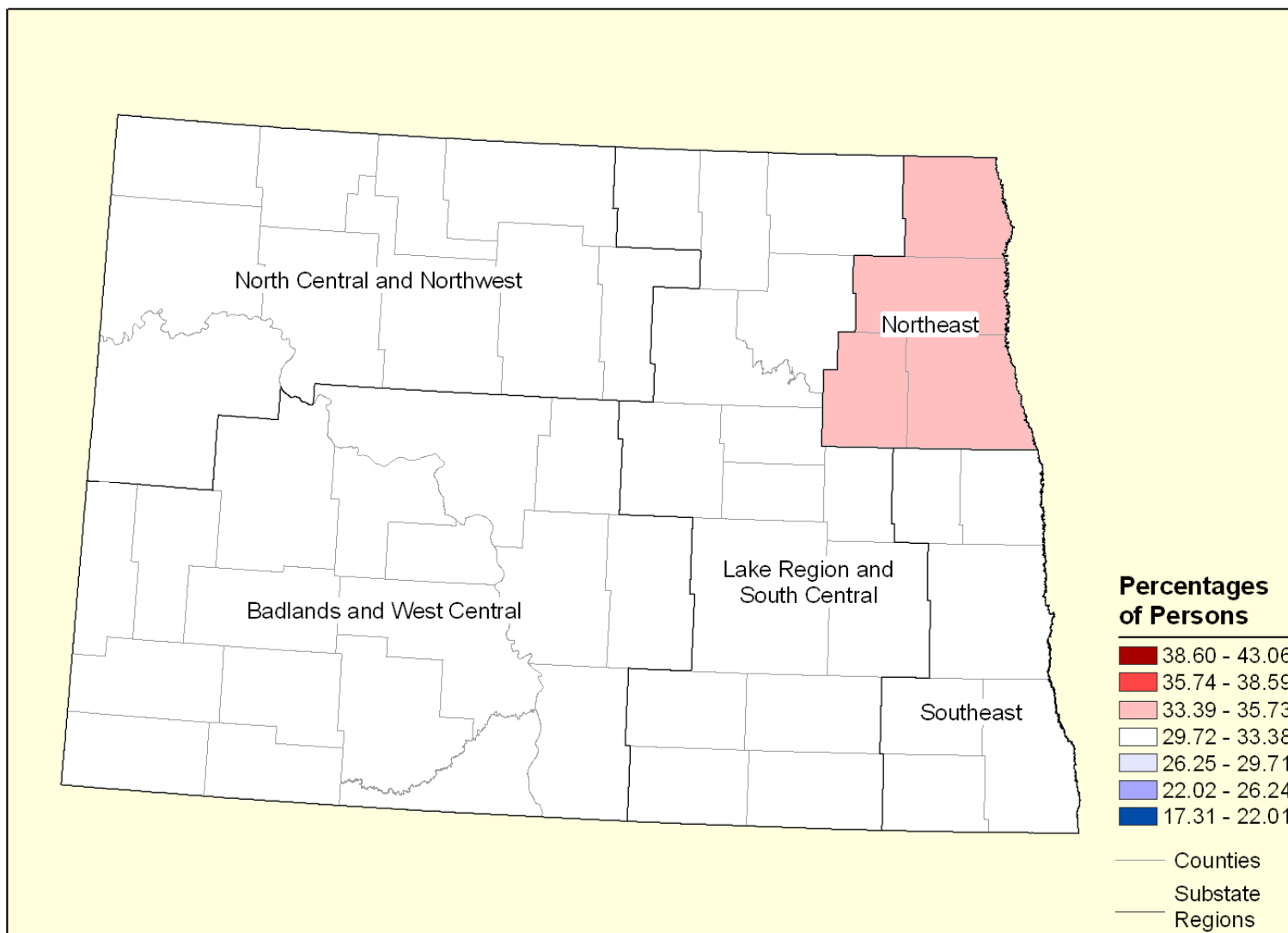

NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.6.1 *Cigarette Use in Past Month* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
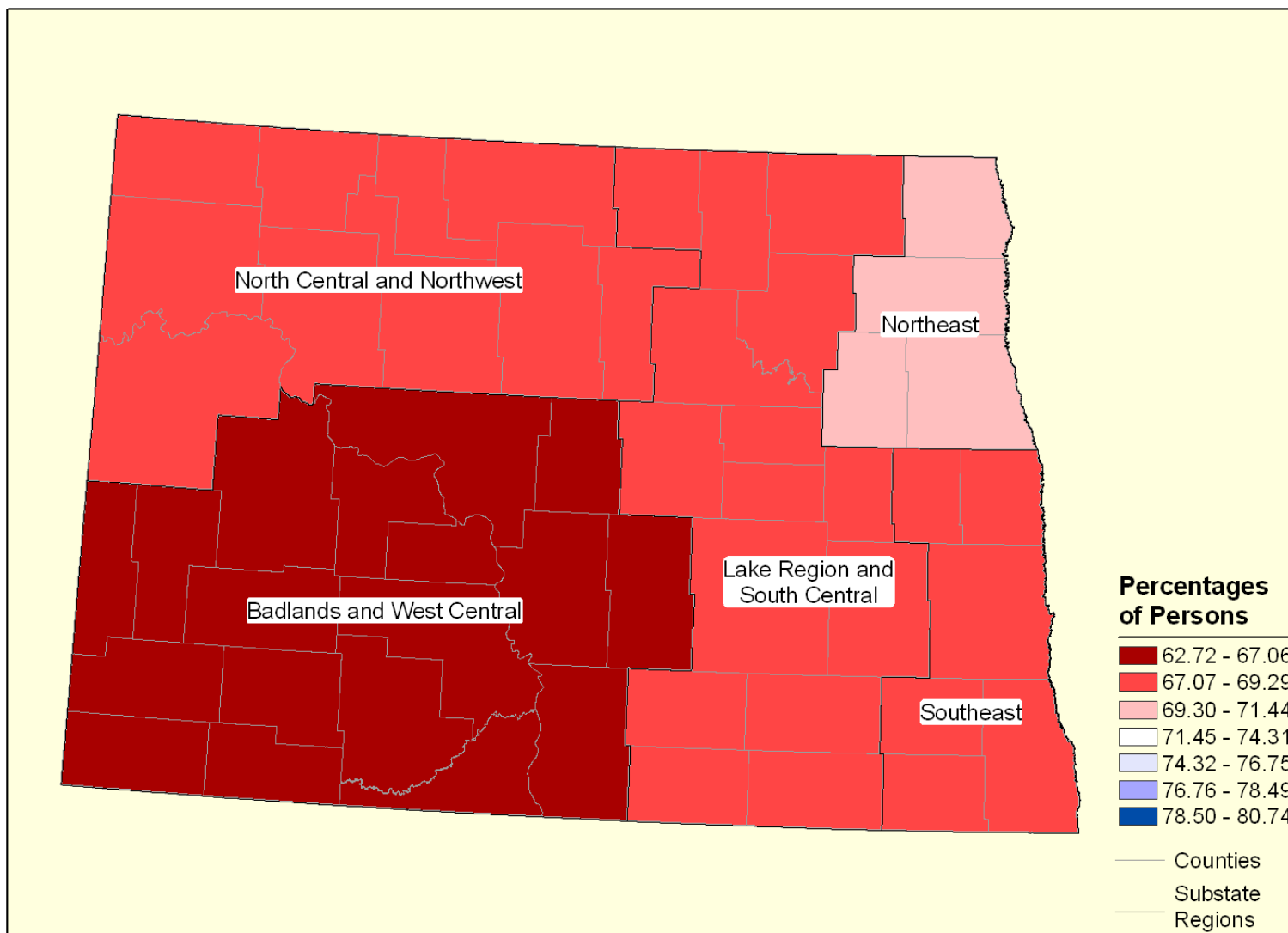

NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.6.2 *Tobacco Product Use in Past Month* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

North Central and Northwest

Northeast

Lake Region and South Central

Badlands and West Central

Southeast

Percentages of Persons

- 38.60 - 43.06
- 35.74 - 38.59
- 33.39 - 35.73
- 29.72 - 33.38
- 26.25 - 29.71
- 22.02 - 26.24
- 17.31 - 22.01

Counties

Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health.*

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.6.3 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
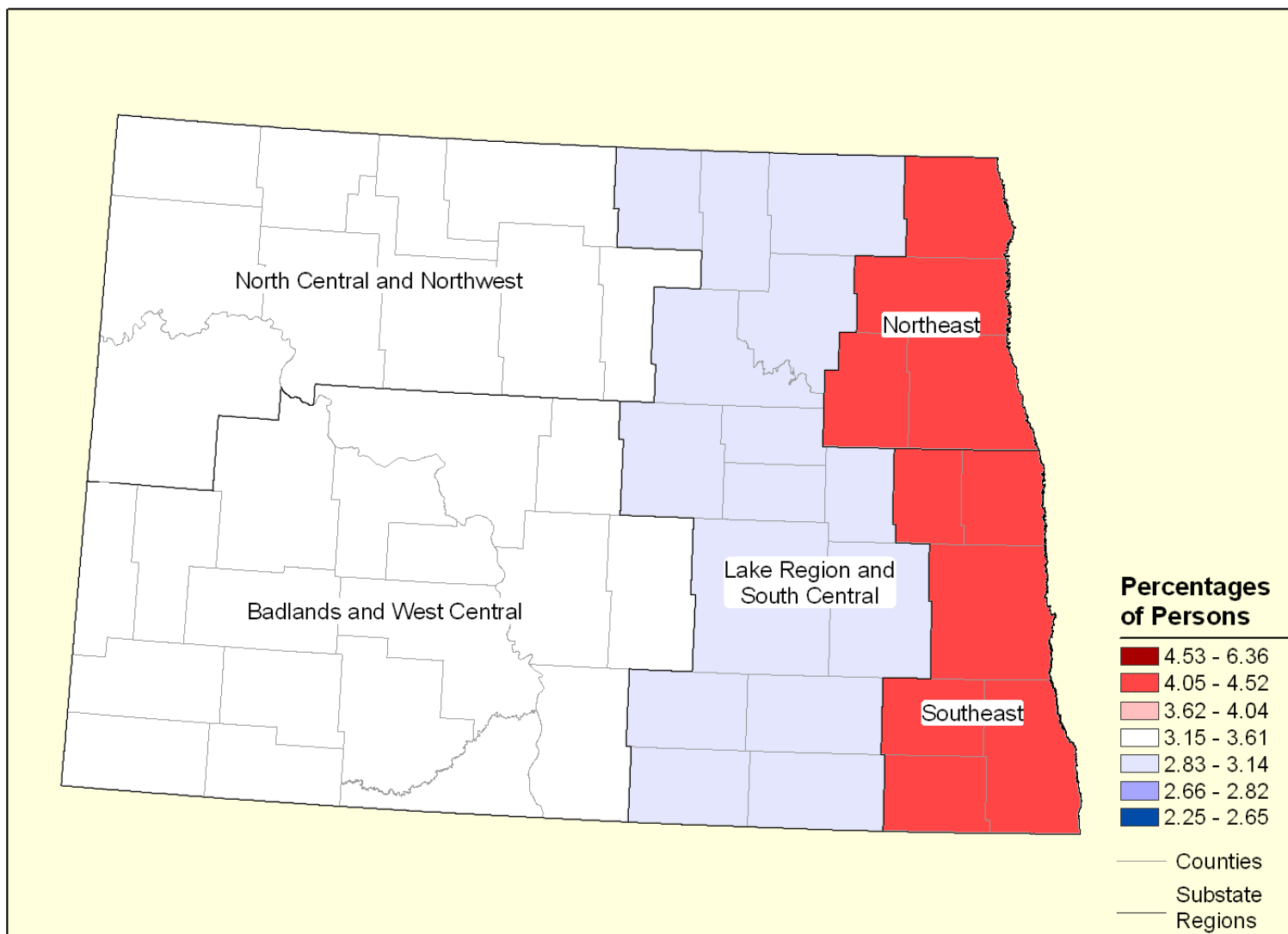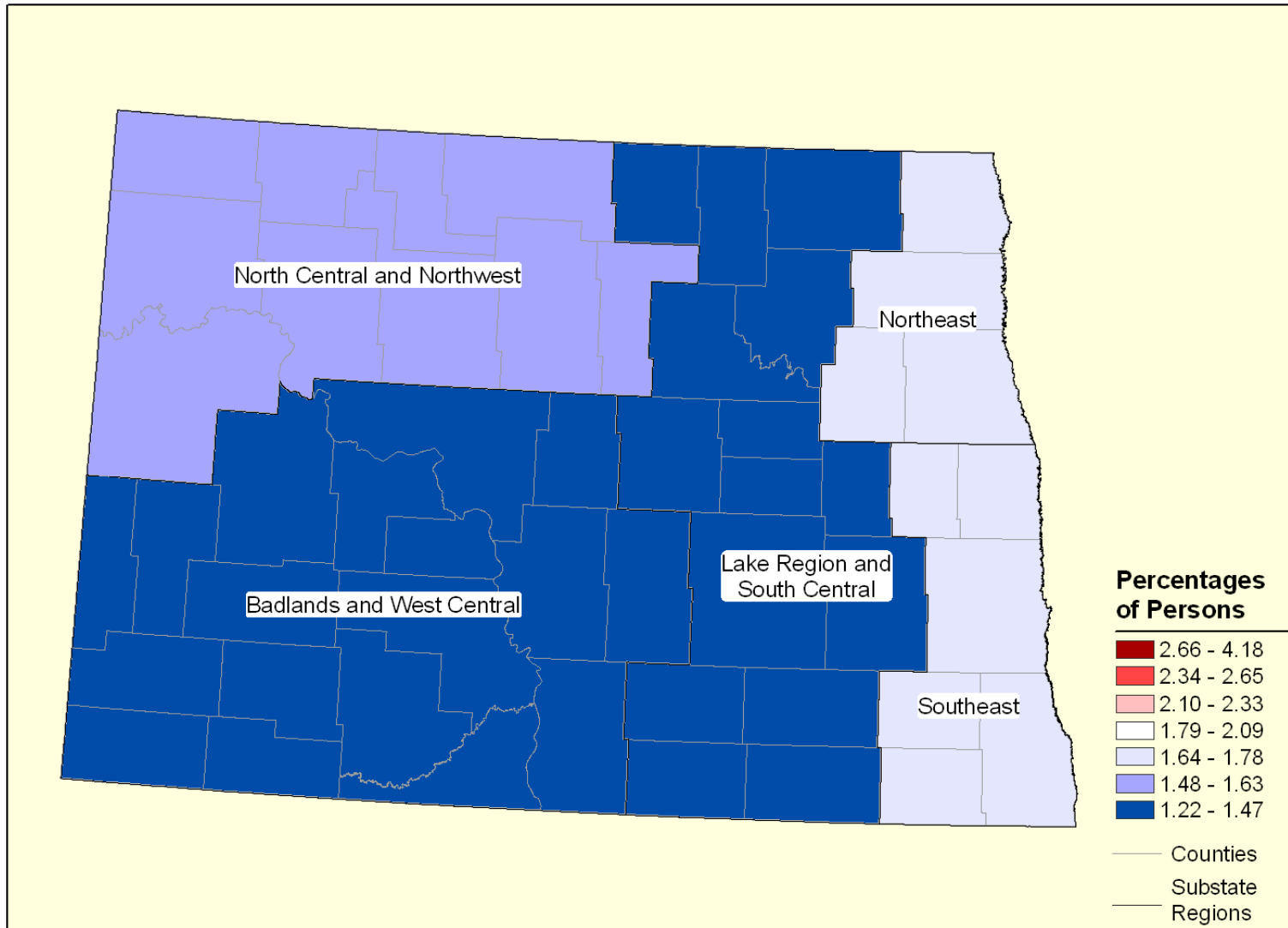
NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.
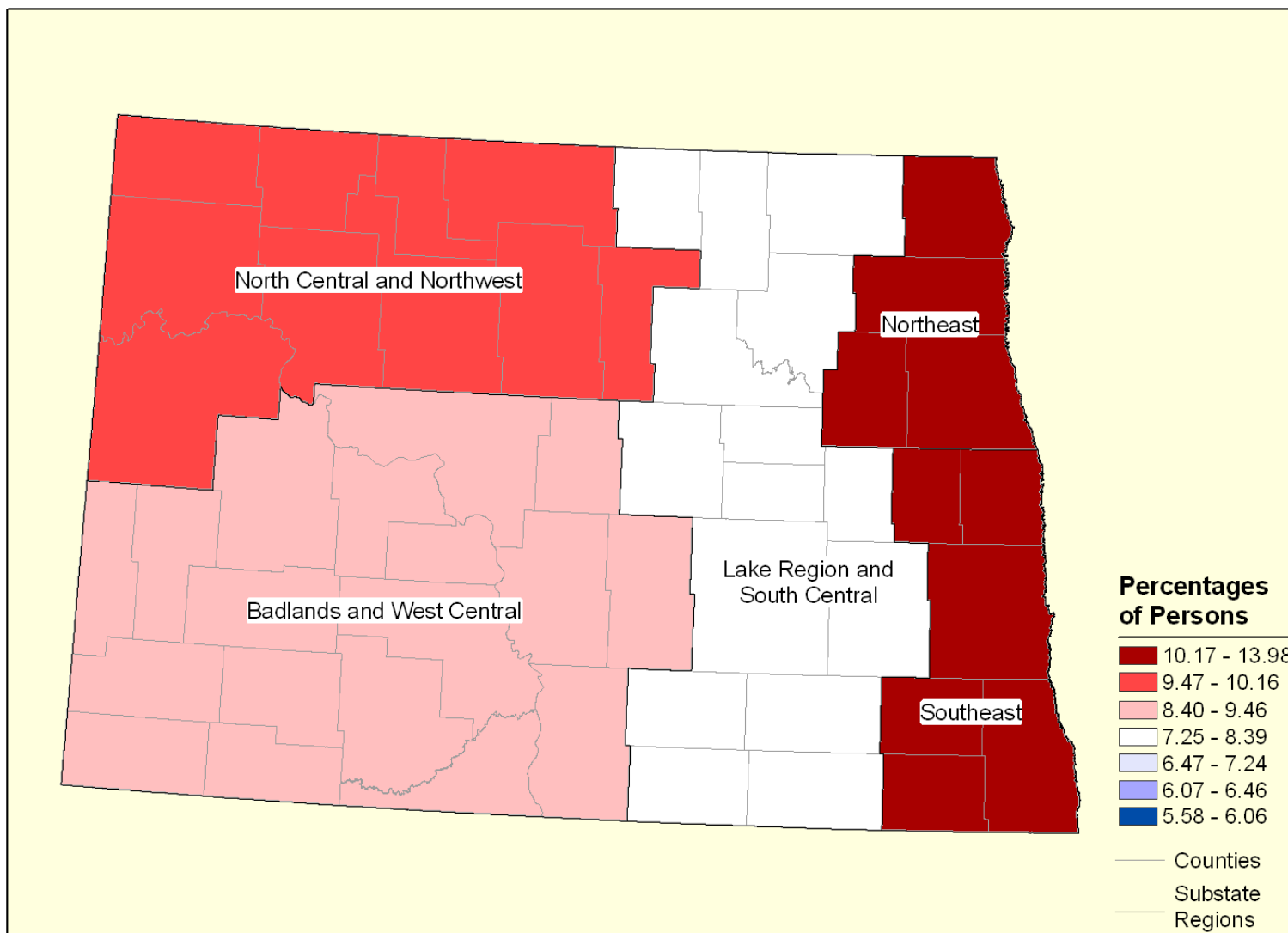
Figure 35.7.1 *Alcohol Dependence in Past Year* **among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.7.2 *Illicit Drug Dependence in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.8.1 *Alcohol Dependence or Abuse in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
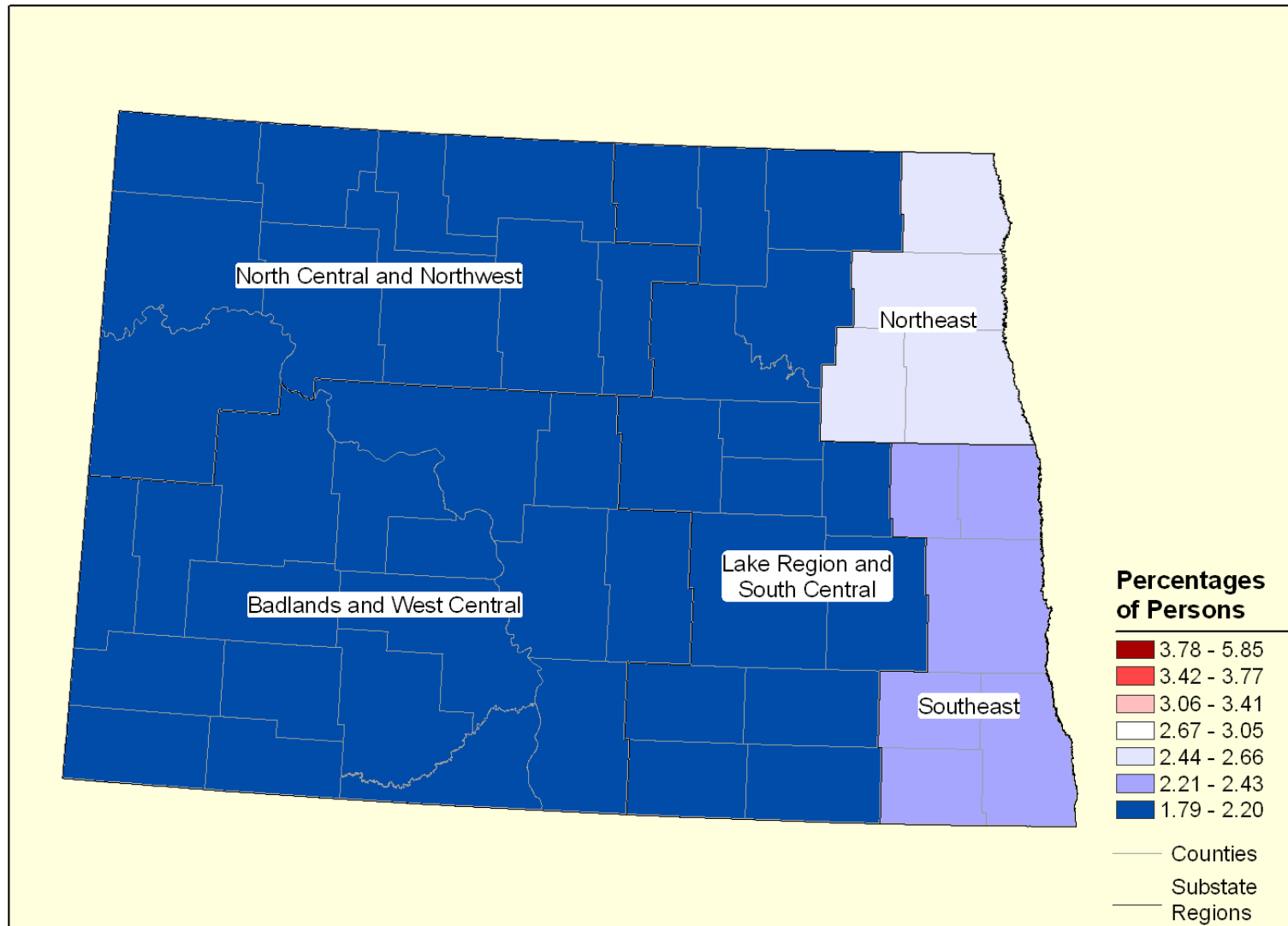

NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.8.2 *Illicit Drug Dependence or Abuse in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
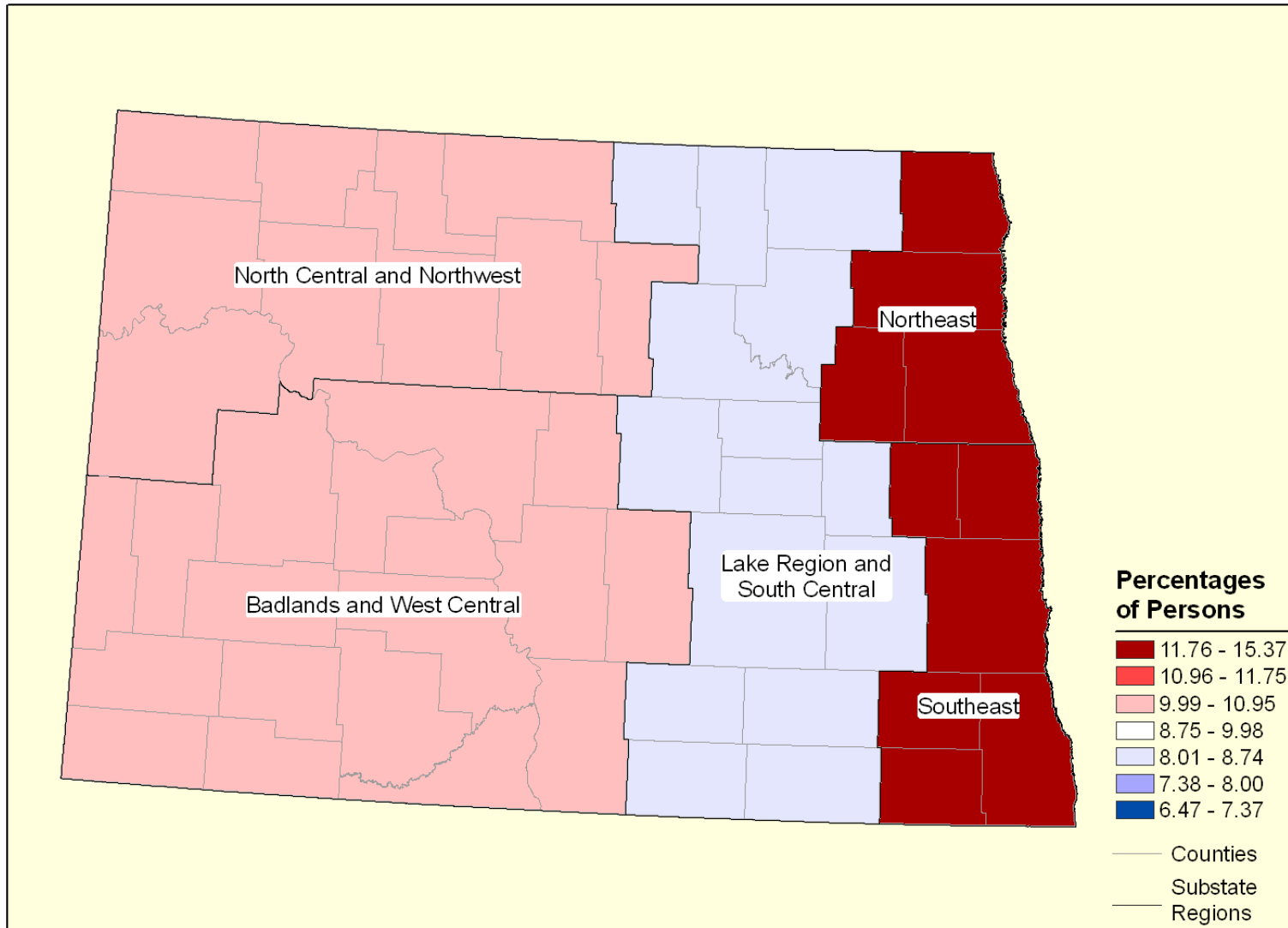

North Central and Northwest

Northeast

Lake Region and South Central

Badlands and West Central

Southeast

Percentages of Persons

- 3.78 - 5.85
- 3.42 - 3.77
- 3.06 - 3.41
- 2.67 - 3.05
- 2.44 - 2.66
- 2.21 - 2.43
- 1.79 - 2.20

Counties

Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health.*

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.8.3 *Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
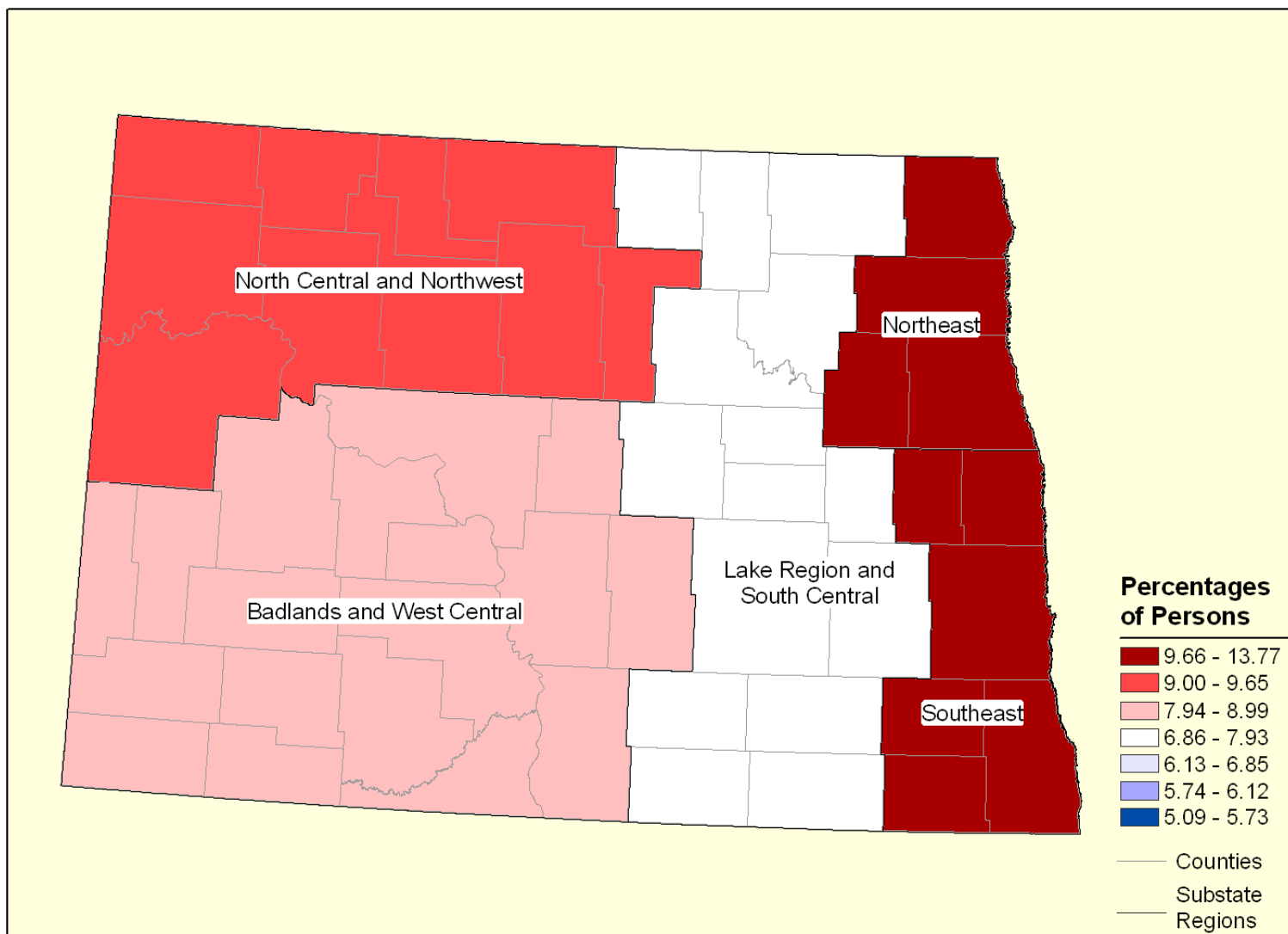

North Central and Northwest

Northeast

Lake Region and South Central

Badlands and West Central

Southeast

Percentages of Persons

- 11.76 - 15.37
- 10.96 - 11.75
- 9.99 - 10.95
- 8.75 - 9.98
- 8.01 - 8.74
- 7.38 - 8.00
- 6.47 - 7.37

— Counties

— Substate Regions

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.9.1 *Needing But Not Receiving Treatment for Alcohol Use in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
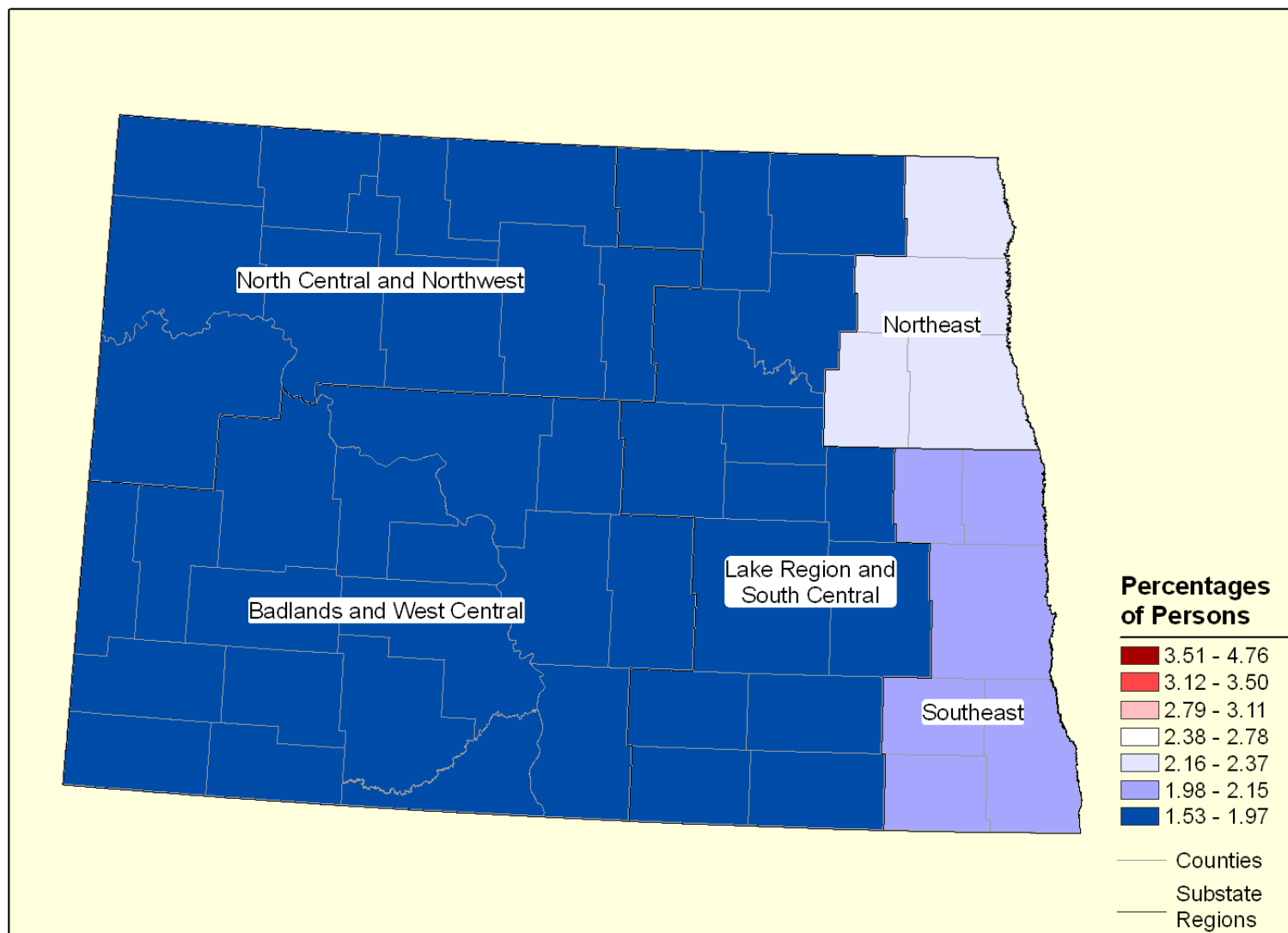

NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

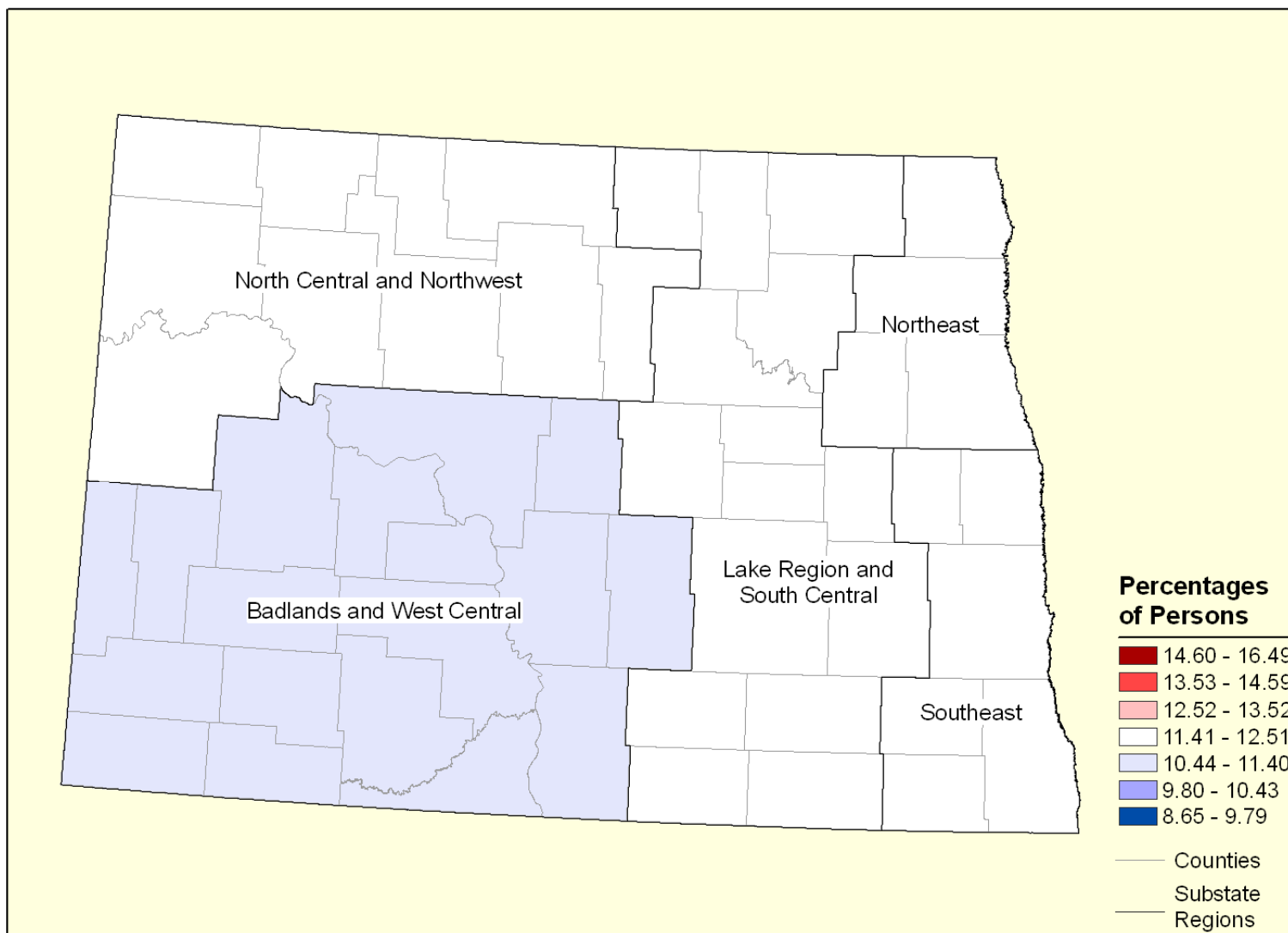Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.9.2 *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year* among Persons Aged 12 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.10.1 *Serious Psychological Distress in Past Year* among Persons Aged 18 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs
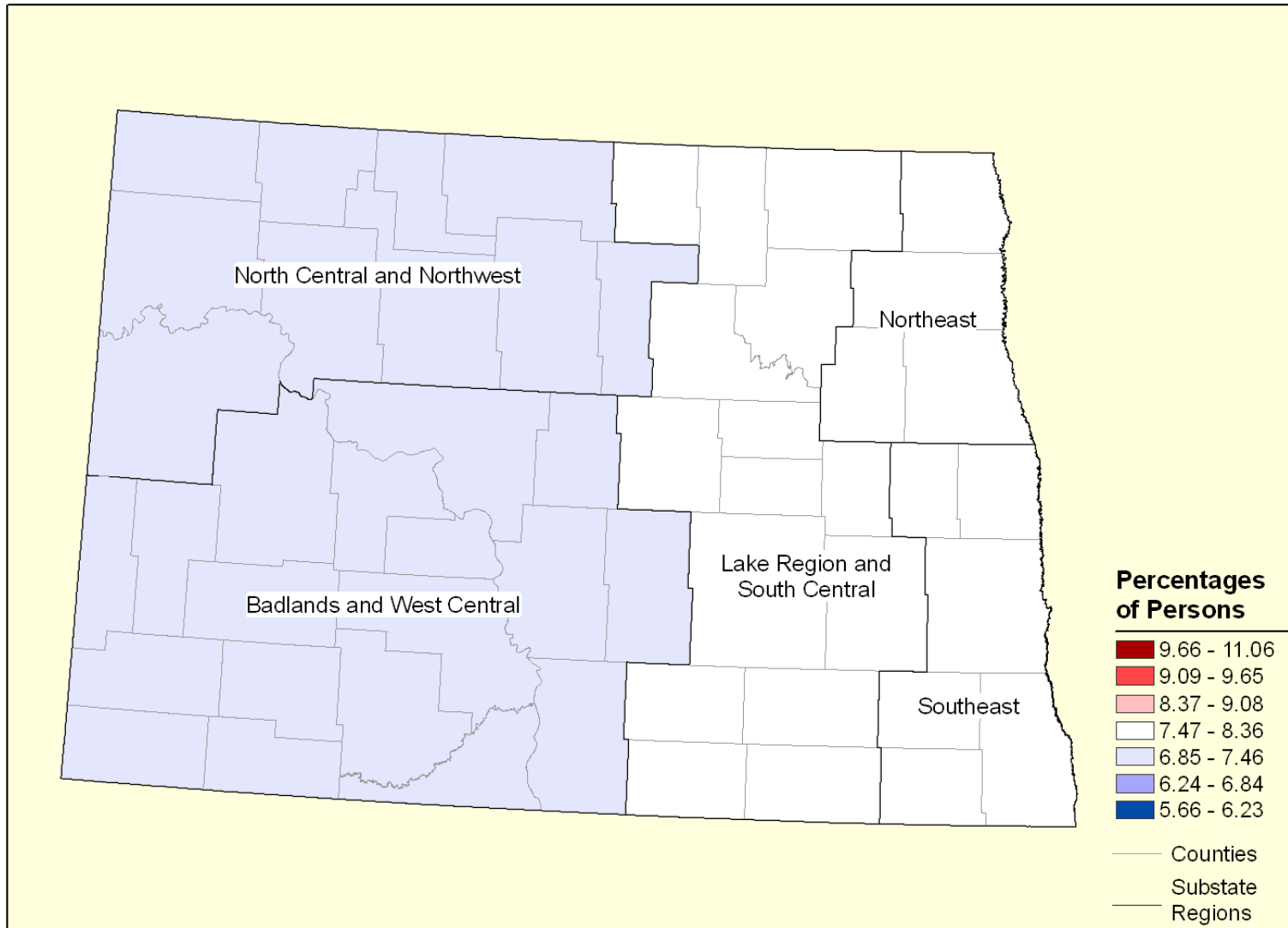
NOTE: The legend's ranges were created by dividing 345 substate regions, nationally, into 7 groups based on the magnitude of their percentages. For substate region definitions, see Section D of the report on *Substate Estimates from the 2004-2006 National Surveys on Drug Use and Health*.

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.

Figure 35.10.2 *Having at Least One Major Depressive Episode in Past Year* **among Persons Aged 18 or Older in North Dakota, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs**

NOTE: The legend's ranges were created by dividing 345 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 2004-2006 National Surveys on Drug Use and Health.*
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2004, 2005, and 2006.