Table 2.1 Illicit Drug Use in Past Month and Illicit Drug Use Other Than Marijuana in Past Month in Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

	Illicit Drug Use in Past Month		Illicit Drug Use Other Than Marijua in Past Month		
State/Substate Region	Estimate	95% Prediction Estimate Interval		95% Prediction Interval	
Alaska	11.97	(10.43 - 13.70)	4.23	(3.49 - 5.11)	
Gulf Coast	9.94	(7.31 - 13.39)	3.35	(2.33 - 4.80)	
Rural	11.97	(8.80 - 16.09)	3.30	(2.25 - 4.82)	
Southeast	11.55	(8.73 - 15.13)	3.85	(2.65 - 5.58)	
Urban	12.41	(10.60 - 14.47)	4.61	(3.68 - 5.76)	

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 2.2 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 Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

		Marijuana Use in Past 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	
Alaska	9.88	(8.54 - 11.41)	2.41	(2.06 - 2.83)	27.38	(24.99 - 29.92)	
Gulf Coast	8.23	(5.89 - 11.38)	2.05	(1.45 - 2.90)	28.30	(23.44 - 33.72)	
Rural	8.74	(6.26 - 12.08)	2.64	(1.79 - 3.89)	36.84	(31.17 - 42.89)	
Southeast	9.62	(7.09 - 12.92)	2.60	(1.91 - 3.53)	25.30	(20.98 - 30.16)	
Urban	10.42	(8.84 - 12.25)	2.41	(1.97 - 2.94)	26.02	(23.30 - 28.93)	

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.

Table 2.3 Marijuana Use in Past Year, Cocaine Use in Past Year, and Nonmedical Use of Pain Relievers in Past Year in Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

		Marijuana Use in Past Year		Cocaine Use in Past Year		Nonmedical Use of Pain Relievers in Past Year	
State/Substate Region	Estimate	95% Prediction Estimate Interval		95% Prediction Interval	Estimate	95% Prediction Interval	
Alaska	15.40	(13.81 - 17.13)	2.70	(2.13 - 3.42)	5.56	(4.70 - 6.58)	
Gulf Coast	12.25	(9.19 - 16.14)	1.98	(1.28 - 3.06)	4.80	(3.46 - 6.63)	
Rural	15.87	(12.09 - 20.56)	1.95	(1.21 - 3.14)	4.76	(3.38 - 6.65)	
Southeast	14.78	(11.41 - 18.94)	2.29	(1.51 - 3.45)	5.52	(4.07 - 7.44)	
Urban	16.00	(14.12 - 18.08)	3.03	(2.33 - 3.94)	5.84	(4.80 - 7.10)	

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.

Table 2.4 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 Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 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
Alaska	51.45	(48.81 - 54.08)	21.62	(19.62 - 23.76)	38.07	(35.53 - 40.68)
Gulf Coast	47.65	(41.10 - 54.29)	20.36	(16.50 - 24.85)	35.87	(30.97 - 41.08)
Rural	34.22	(28.64 - 40.28)	20.64	(16.55 - 25.42)	39.99	(35.01 - 45.18)
Southeast	50.75	(44.43 - 57.04)	21.30	(17.59 - 25.55)	38.01	(33.29 - 42.98)
Urban	55.13	(52.03 - 58.19)	22.07	(19.75 - 24.57)	38.17	(35.23 - 41.19)

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.

Table 2.5 Alcohol Use in Past Month and Binge Alcohol Use in Past Month among Persons Aged 12 to 20 in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

		Alcohol Use in Past Month among Persons Aged 12 to 20		hol Use in Past Month ersons Aged 12 to 20 ¹
State/Substate Region	Estimate	95% Prediction Estimate Interval		95% Prediction Interval
Alaska	27.02	(24.81 - 29.35)	18.30	(16.28 - 20.52)
Gulf Coast	23.76	(19.53 - 28.58)	18.37	(14.51 - 22.97)
Rural	18.75	(14.90 - 23.32)	14.85	(11.27 - 19.31)
Southeast	26.12	(21.69 - 31.08)	19.10	(15.28 - 23.60)
Urban	29.43	(26.64 - 32.39)	18.86	(16.41 - 21.60)

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.

Table 2.6 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 Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

		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	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	
Alaska	25.38	(23.19 - 27.71)	30.87	(28.52 - 33.32)	71.15	(68.84 - 73.36)	
Gulf Coast	25.19	(21.30 - 29.51)	30.24	(25.78 - 35.11)	69.63	(65.05 - 73.86)	
Rural	29.59	(25.16 - 34.44)	38.59	(32.90 - 44.60)	64.24	(59.59 - 68.63)	
Southeast	24.64	(20.83 - 28.88)	29.73	(25.63 - 34.19)	73.83	(69.70 - 77.58)	
Urban	24.86	(22.32 - 27.57)	29.91	(27.23 - 32.73)	72.10	(69.42 - 74.63)	

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.

Table 2.7 Alcohol Dependence in Past Year and Illicit Drug Dependence in Past Year in Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

	Alcohol De	Alcohol Dependence in Past Year		Drug Dependence n Past Year ¹
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Alaska	3.80	(3.08 - 4.68)	2.55	(2.01 - 3.22)
Gulf Coast	3.46	(2.31 - 5.15)	2.23	(1.49 - 3.32)
Rural	4.62	(3.05 - 6.94)	2.27	(1.46 - 3.52)
Southeast	4.38	(3.03 - 6.30)	2.56	(1.73 - 3.77)
Urban	3.62	(2.79 - 4.69)	2.65	(2.00 - 3.50)

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.

Table 2.8 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 Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

	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	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Alaska	7.61	(6.54 - 8.84)	3.66	(2.98 - 4.49)	9.85	(8.63 - 11.22)
Gulf Coast	7.21	(5.45 - 9.49)	3.46	(2.42 - 4.92)	9.18	(7.13 - 11.75)
Rural	8.49	(6.35 - 11.26)	3.98	(2.61 - 6.02)	11.75	(9.03 - 15.16)
Southeast	7.99	(6.10 - 10.41)	3.61	(2.51 - 5.17)	10.33	(8.11 - 13.08)
Urban	7.47	(6.24 - 8.91)	3.65	(2.86 - 4.65)	9.57	(8.15 - 11.19)

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.

Table 2.9 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 Alaska among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

	Needing But I for Alcoh	Not Receiving Treatment ol Use in Past Year ¹	Needing But Not Receiving Treatment for Illicit Drug Use in Past Year ²		
State/Substate Region	Estimate	95% Prediction Estimate Interval E		95% Prediction Interval	
Alaska	7.14	(6.10 - 8.35)	3.35	(2.74 - 4.08)	
Gulf Coast	6.78	(5.13 - 8.90)	3.42	(2.35 - 4.94)	
Rural	7.45	(5.48 - 10.06)	3.65	(2.34 - 5.67)	
Southeast	7.44	(5.64 - 9.76)	3.07	(2.14 - 4.40)	
Urban	7.11	(5.94 - 8.48)	3.33	(2.62 - 4.24)	

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.

Table 2.10 Serious Psychological Distress in Past Year and Having at Least One Major Depressive Episode in Past Year in Alaska among Persons Aged 18 or Older, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

		Serious Psychological Distress in Past Year ¹		Having at Least One Major Depressive Episode in Past Year ²		
State/Substate Region	Estimate	95% Prediction Estimate Interval		95% Prediction Interval		
Alaska	11.56	(10.11 - 13.20)	7.05	(5.77 - 8.58)		
Gulf Coast	10.94	(8.57 - 13.87)	7.01	(5.12 - 9.51)		
Rural	11.76	(9.32 - 14.75)	6.06	(4.35 - 8.38)		
Southeast	11.00	(8.80 - 13.67)	7.21	(5.38 - 9.59)		
Urban	11.75	(10.00 - 13.75)	7.18	(5.64 - 9.11)		

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).

Figure 2.1.1 *Illicit Drug Use in Past Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

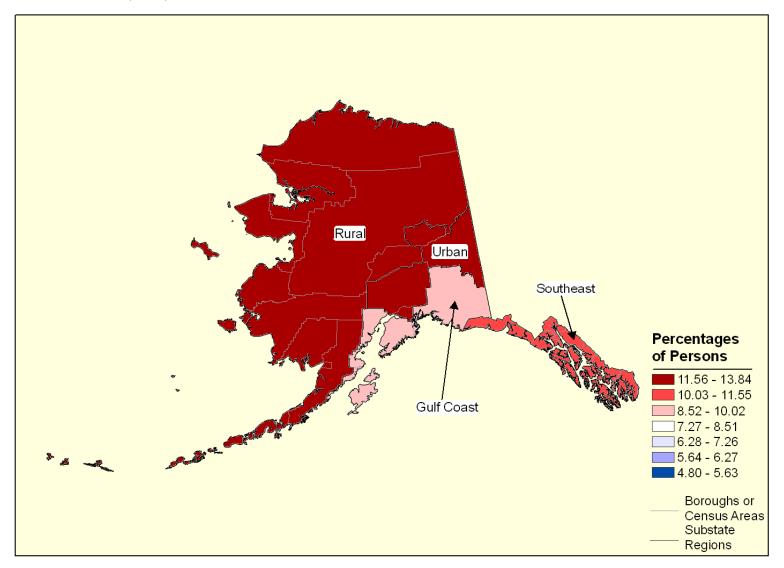


Figure 2.1.2 *Illicit Drug Use Other Than Marijuana in Past Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

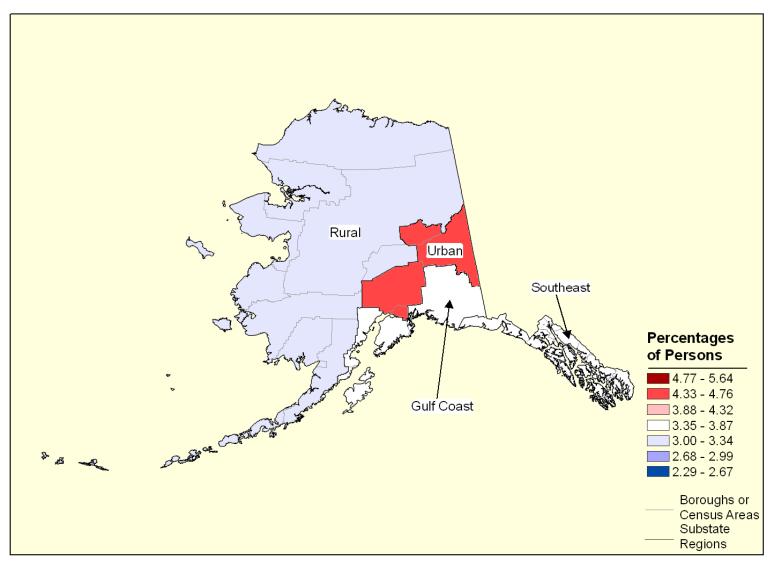


Figure 2.2.1 *Marijuana Use in Past Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

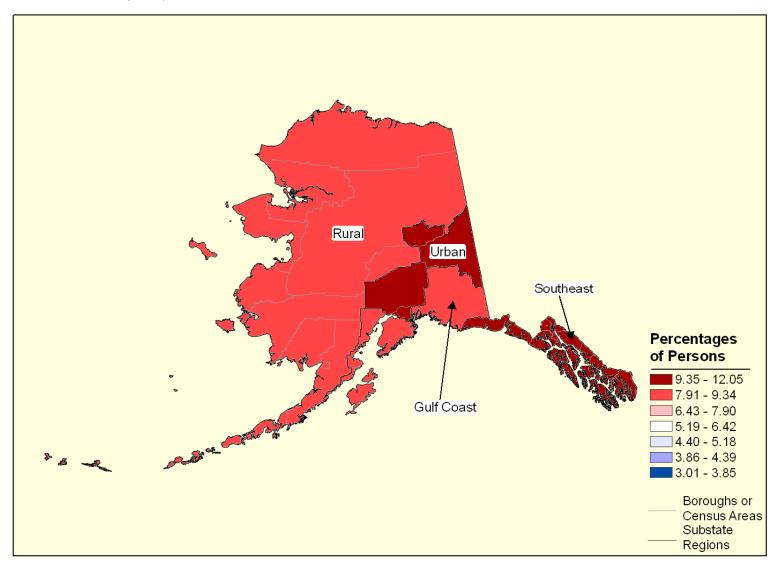


Figure 2.2.2 *First Use of Marijuana* among Persons Aged 12 or Older in Alaska, by Substate Region: Average Annual Rates Based on 2004, 2005, and 2006 NSDUHs

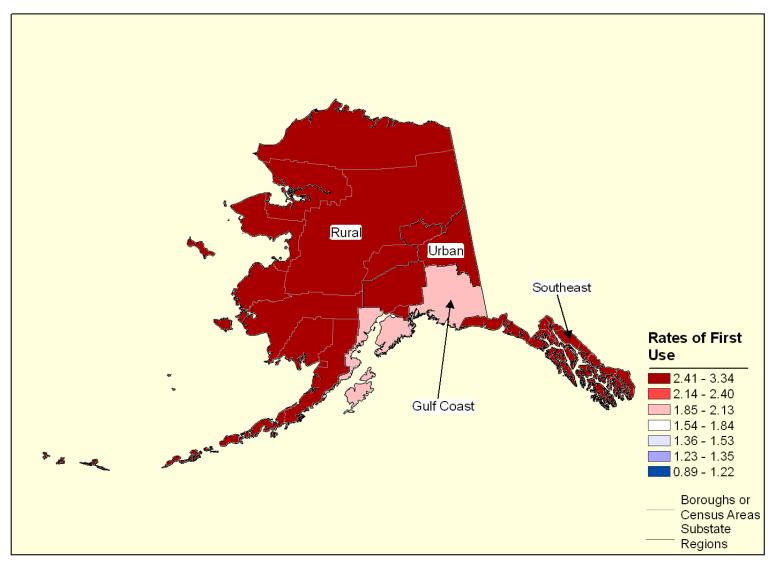


Figure 2.2.3 *Perceptions of Great Risk of Smoking Marijuana Once a Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

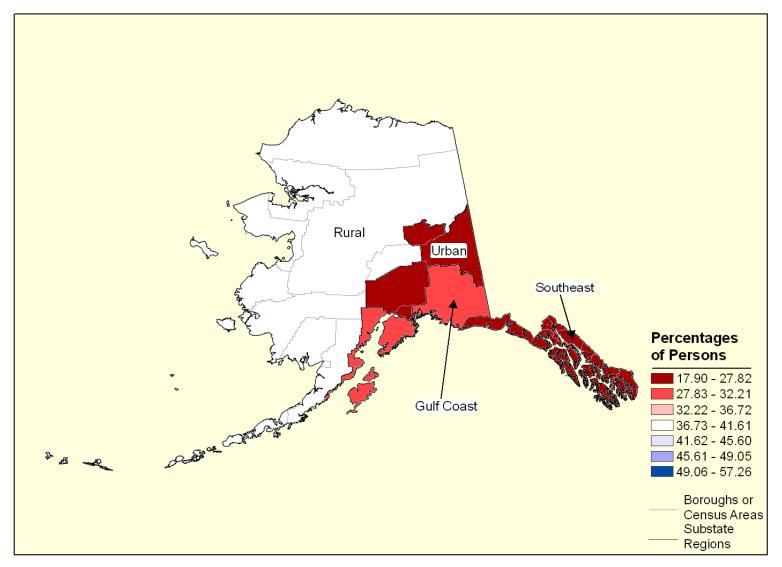


Figure 2.3.1 *Marijuana Use in Past Year* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

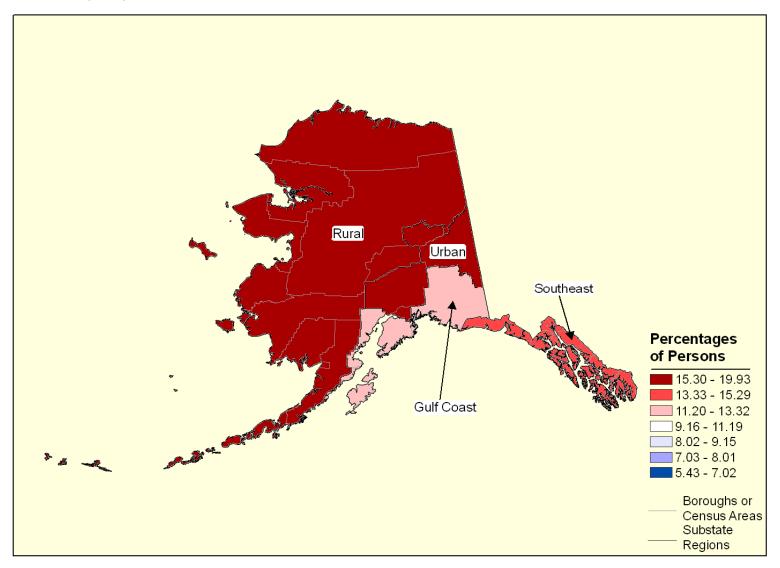


Figure 2.3.2 *Cocaine Use in Past Year* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

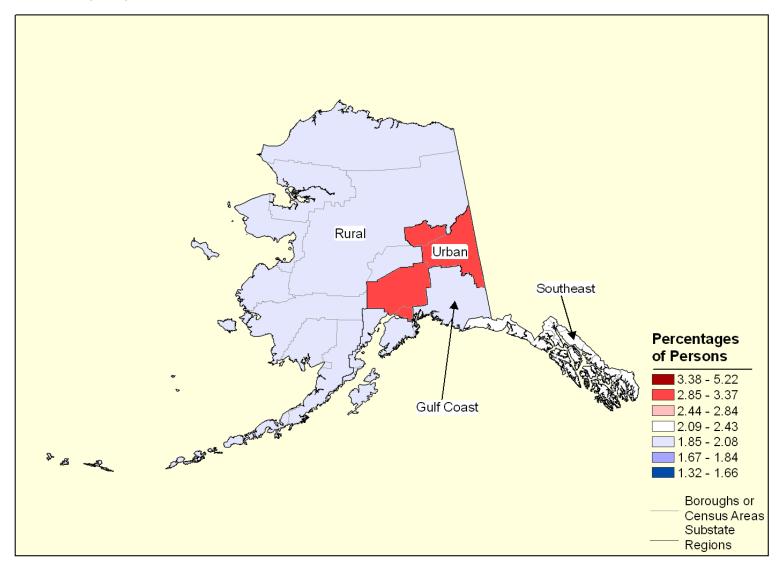


Figure 2.3.3 Nonmedical Use of Pain Relievers in Past Year among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

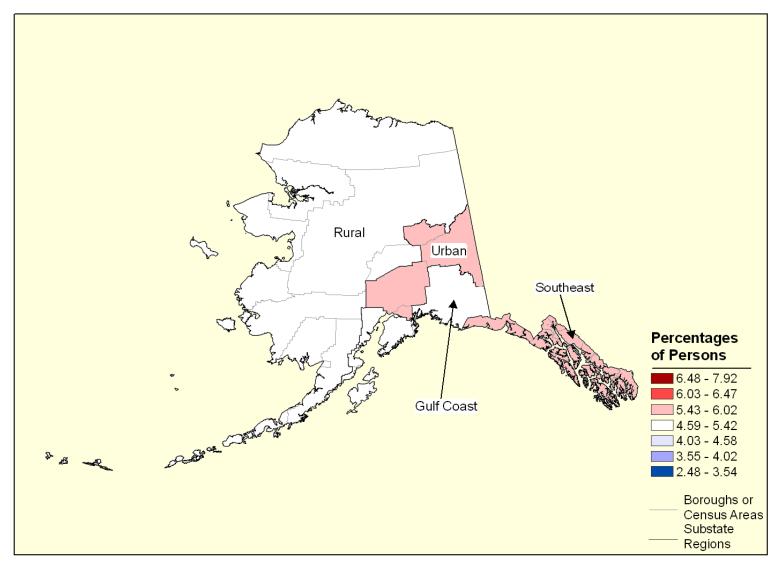


Figure 2.4.1 *Alcohol Use in Past Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

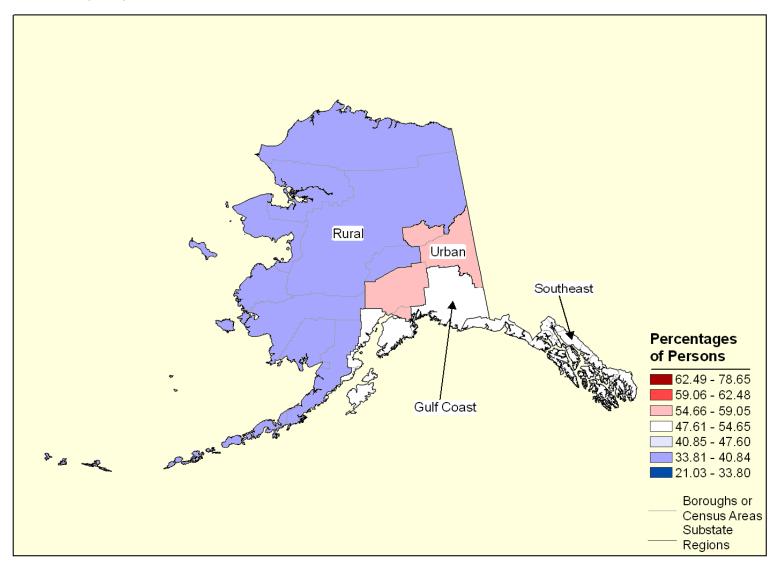


Figure 2.4.2 Binge Alcohol Use in Past Month among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

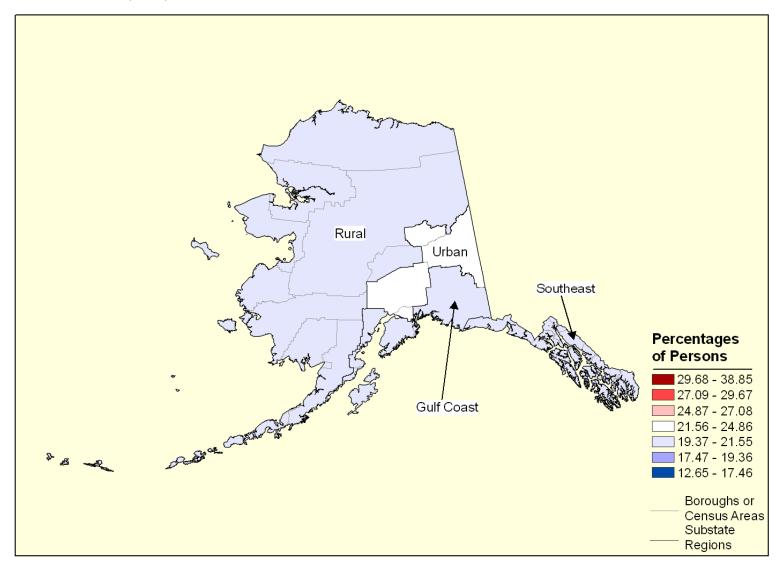


Figure 2.4.3 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

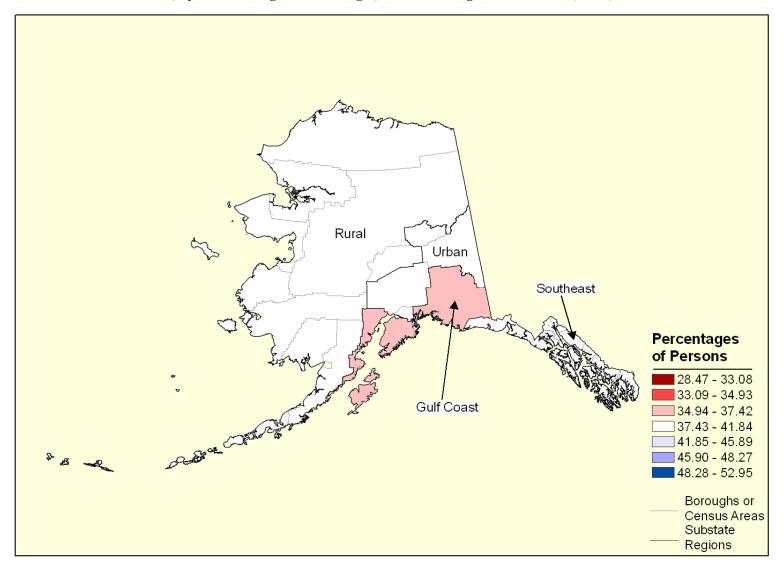


Figure 2.5.1 Alcohol Use in Past Month among Persons Aged 12 to 20 in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

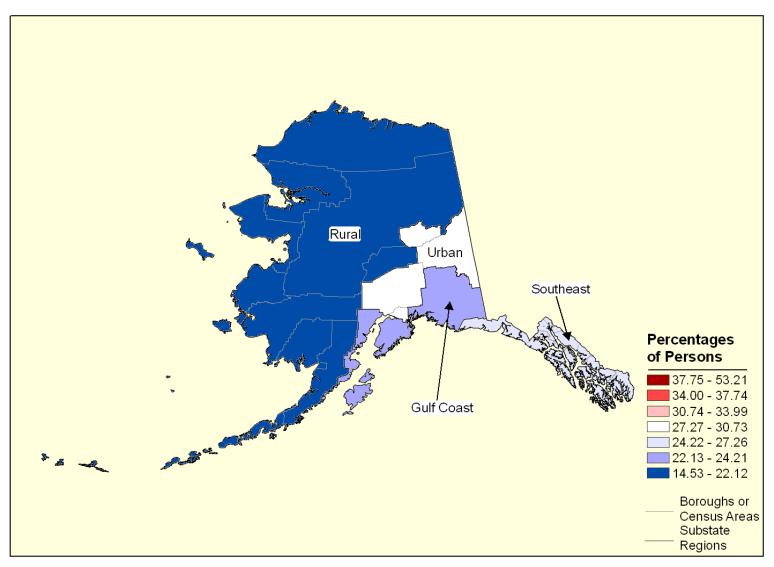


Figure 2.5.2 Binge Alcohol Use in Past Month among Persons Aged 12 to 20 in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

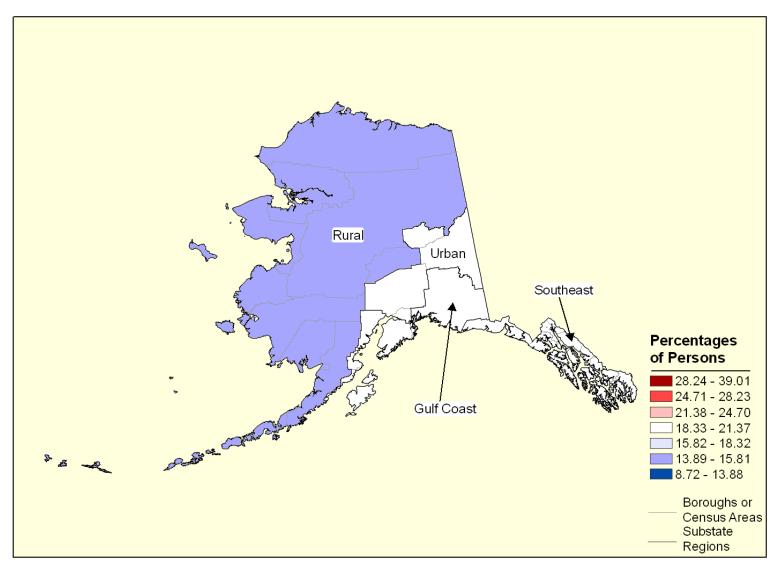


Figure 2.6.1 *Cigarette Use in Past Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

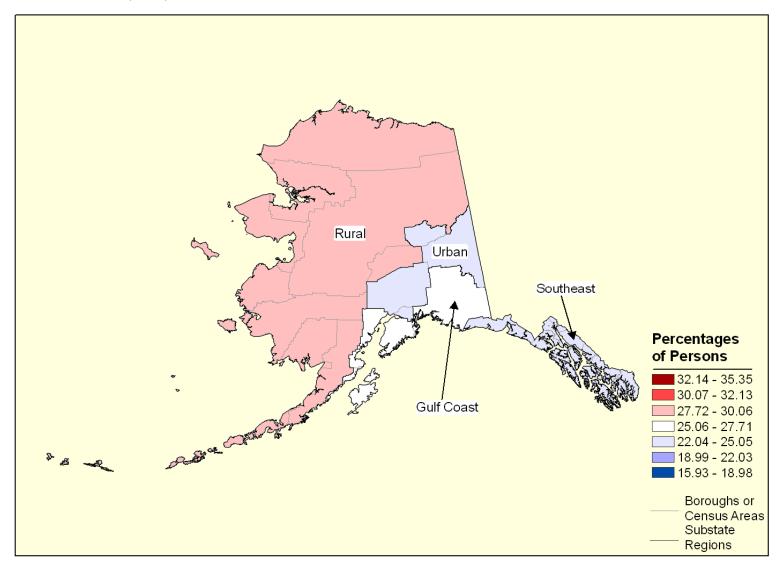


Figure 2.6.2 *Tobacco Product Use in Past Month* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

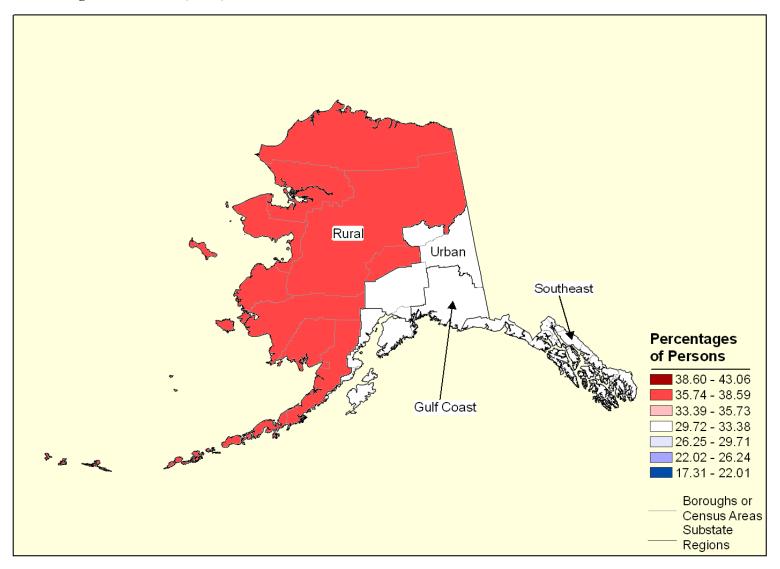


Figure 2.6.3 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

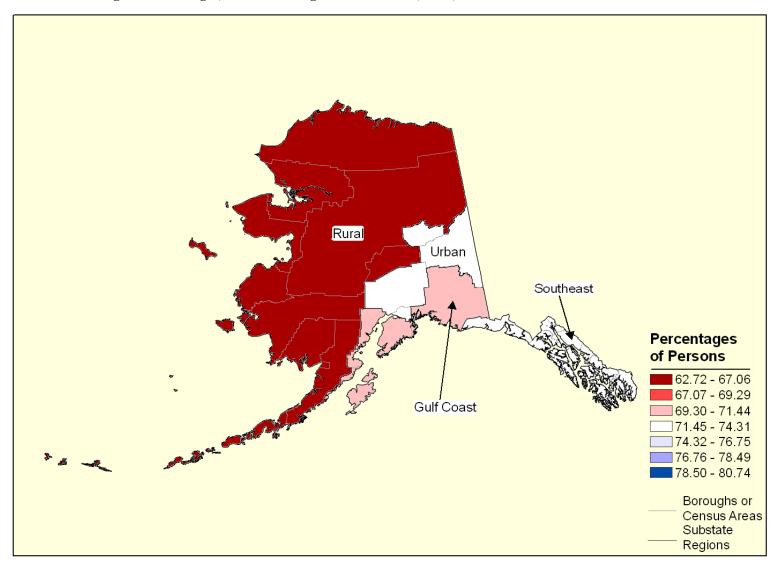


Figure 2.7.1 Alcohol Dependence in Past Year among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

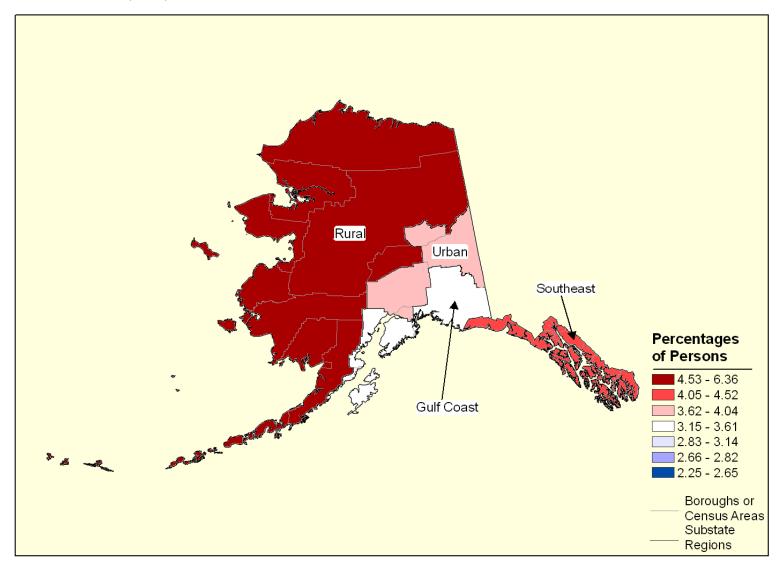


Figure 2.7.2 *Illicit Drug Dependence in Past Year* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

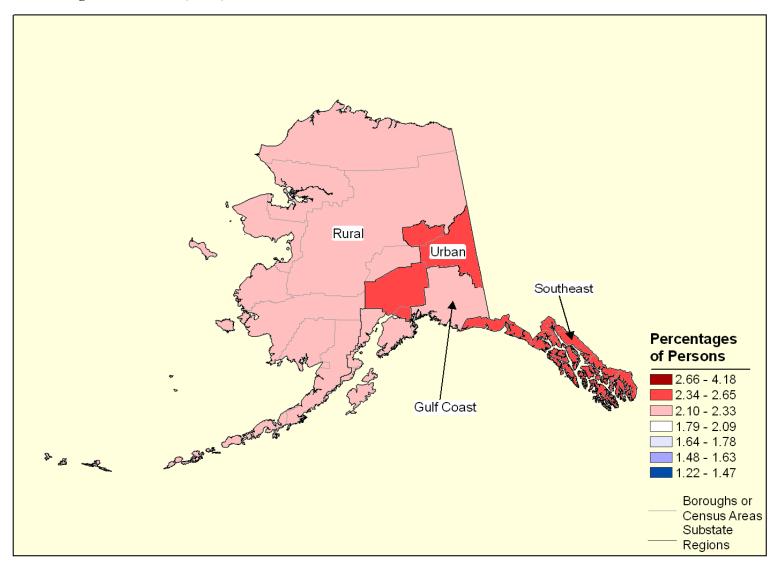


Figure 2.8.1 Alcohol Dependence or Abuse in Past Year among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

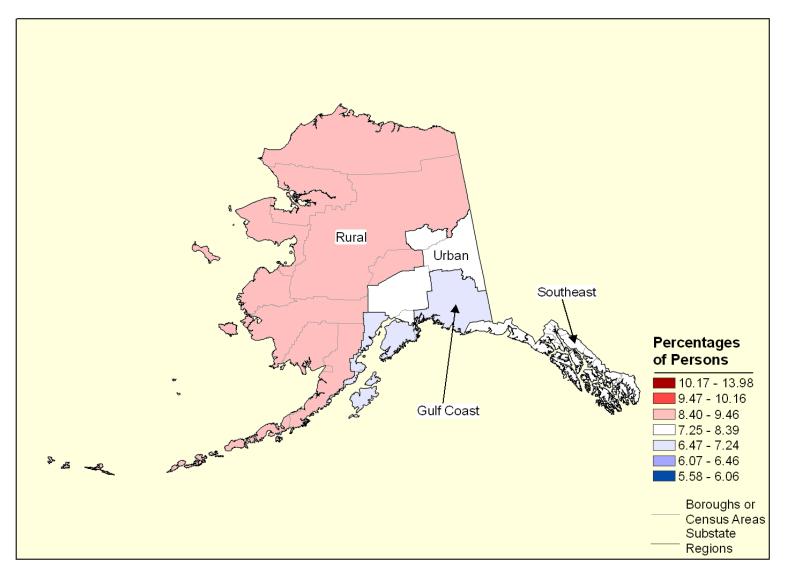


Figure 2.8.2 *Illicit Drug Dependence or Abuse in Past Year* among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

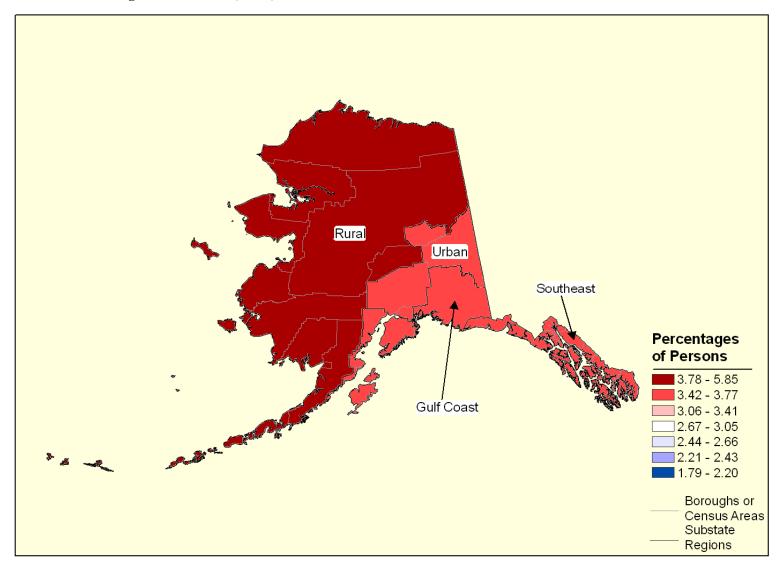


Figure 2.8.3 Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

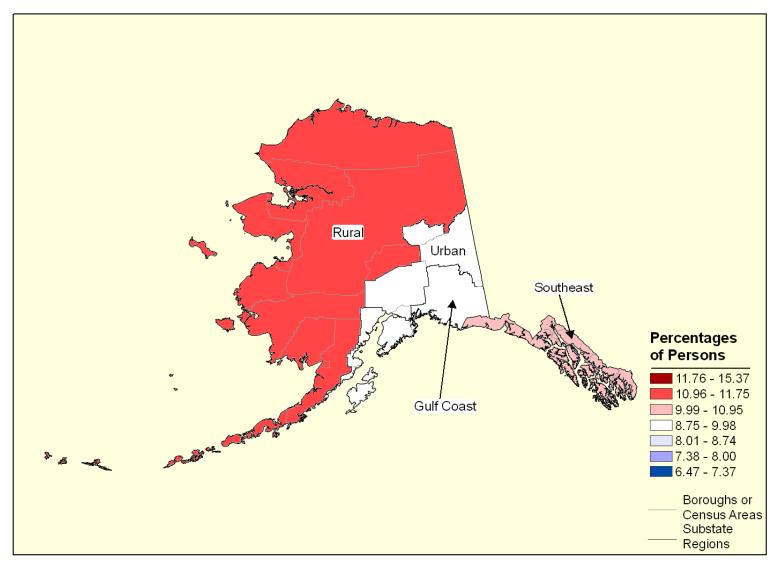


Figure 2.9.1 Needing But Not Receiving Treatment for Alcohol Use in Past Year among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

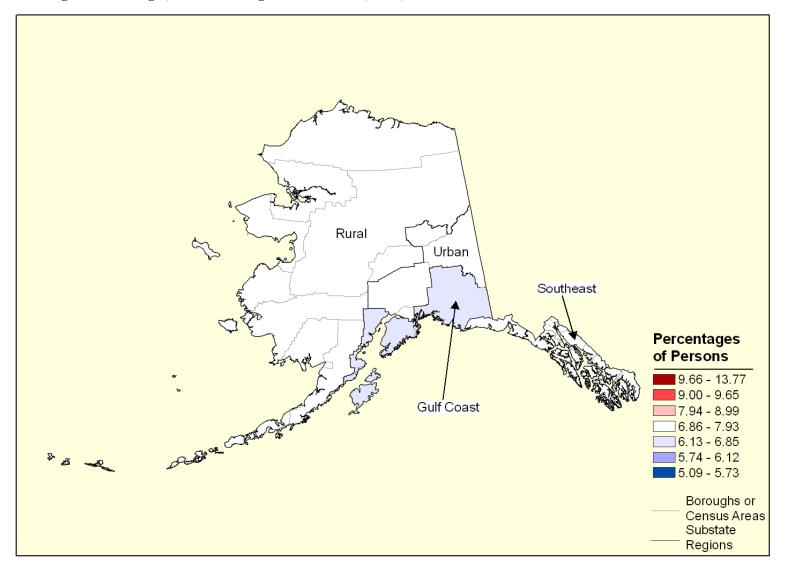


Figure 2.9.2 Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Persons Aged 12 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

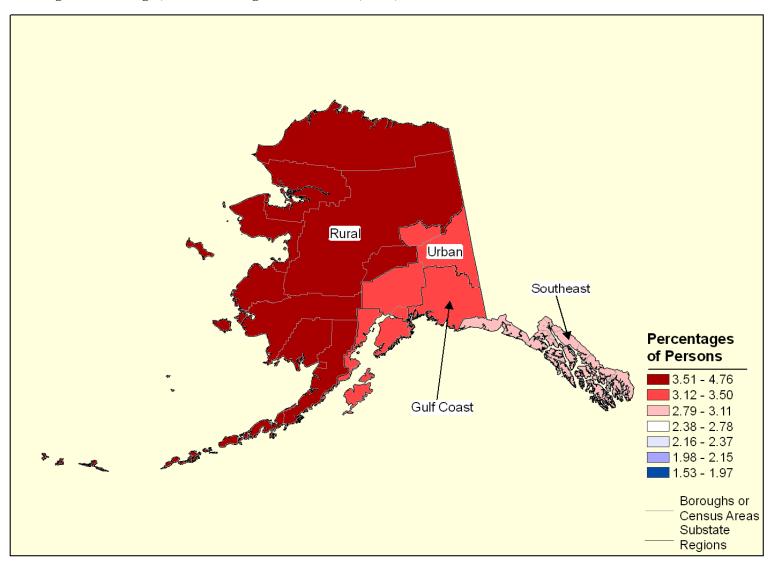


Figure 2.10.1 Serious Psychological Distress in Past Year among Persons Aged 18 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

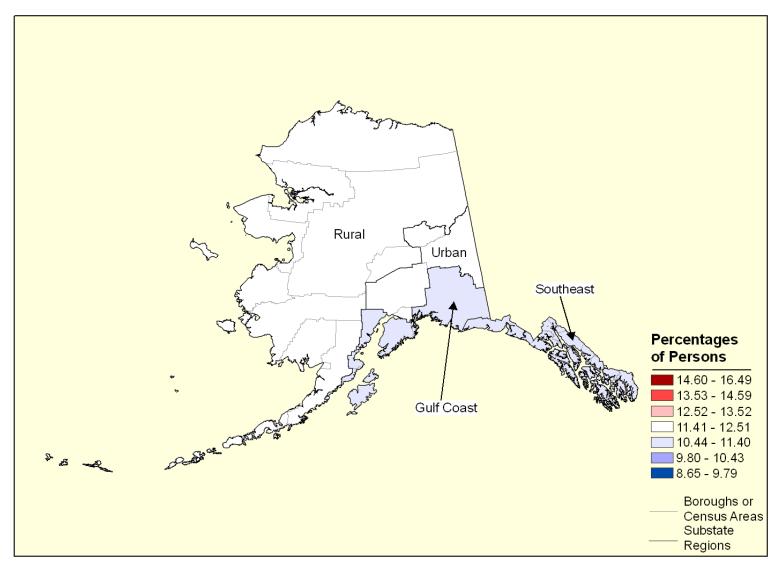


Figure 2.10.2 *Having at Least One Major Depressive Episode in Past Year* among Persons Aged 18 or Older in Alaska, by Substate Region: Percentages, Annual Averages Based on 2004, 2005, and 2006 NSDUHs

