Table 8.1 Illicit Drug Use in Past Month and Illicit Drug Use Other Than Marijuana in Past Month in Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

		Illicit Drug Use in Past Month		se Other Than Marijuana n Past Month
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	8.75	(7.55 - 10.12)	3.97	(3.15 - 5.00)
Kent	7.50	(5.77 - 9.69)	3.92	(2.79 - 5.48)
New Castle (excluding Wilmington City)	9.07	(7.56 - 10.85)	3.96	(3.00 - 5.22)
Sussex	7.61	(5.83 - 9.88)	3.75	(2.65 - 5.28)
Wilmington City	12.08	(8.99 - 16.05)	4.70	(3.12 - 7.03)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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. These estimates are based on data from original questions, excluding those on the use of over-the-counter drugs or new methamphetamine items that were added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

Table 8.2 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 Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

	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	
State/Substate Region	95% Prediction Estimate Interval		Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	6.52	(5.58 - 7.62)	1.68	(1.46 - 1.94)	36.75	(34.07 - 39.52)
Kent	5.40	(4.03 - 7.20)	1.58	(1.25 - 2.01)	38.45	(33.71 - 43.42)
New Castle (excluding Wilmington City)	6.91	(5.69 - 8.36)	1.88	(1.56 - 2.26)	34.21	(30.84 - 37.74)
Sussex	5.60	(4.16 - 7.51)	1.16	(0.91 - 1.48)	41.37	(36.59 - 46.32)
Wilmington City	8.68	(6.30 - 11.85)	2.17	(1.59 - 2.95)	37.09	(31.34 - 43.23)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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>&</sup>lt;sup>1</sup> Average annual marijuana initiation 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 8.3 Marijuana Use in Past Year, Cocaine Use in Past Year, and Nonmedical Use of Pain Relievers in Past Year in Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 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 Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	11.12	(9.79 - 12.61)	2.56	(1.93 - 3.38)	5.00	(4.17 - 5.97)
Kent	8.91	(7.08 - 11.17)	2.27	(1.49 - 3.44)	5.14	(3.92 - 6.71)
New Castle (excluding Wilmington City)	11.47	(9.81 - 13.37)	2.66	(1.94 - 3.66)	5.16	(4.16 - 6.38)
Sussex	9.88	(7.75 - 12.51)	2.27	(1.49 - 3.42)	4.60	(3.45 - 6.12)
Wilmington City	16.37	(12.57 - 21.06)	3.17	(1.95 - 5.14)	4.72	(3.41 - 6.50)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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, 2006, 2007, and 2008.

227

Table 8.4 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 Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

	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	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	54.85	(52.14 - 57.54)	23.56	(21.49 - 25.75)	40.92	(38.18 - 43.72)
Kent New Castle (excluding	51.27	(46.06 - 56.45)	23.04	(19.63 - 26.85)	42.10	(37.68 - 46.66)
Wilmington City)	59.00	(55.23 - 62.67)	24.72	(22.07 - 27.58)	39.46	(36.10 - 42.93)
Sussex	50.27	(45.23 - 55.31)	21.46	(18.23 - 25.08)	40.33	(36.12 - 44.68)
Wilmington City	48.67	(42.09 - 55.30)	22.82	(18.78 - 27.44)	48.57	(43.39 - 53.78)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2006-2008 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>&</sup>lt;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.

Table 8.5 Alcohol Use in Past Month and Binge Alcohol Use in Past Month in Delaware among Persons Aged 12 to 20, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

		Alcohol Use in Past Month among Persons Aged 12 to 20		ohol Use in Past Month ersons Aged 12 to 20 <sup>1</sup>
State/Substate Region	Estimate	95% Prediction Estimate Interval		95% Prediction Interval
Delaware	29.49	(27.16 - 31.93)	20.08	(18.01 - 22.33)
Kent	29.13	(25.19 - 33.41)	18.20	(14.82 - 22.16)
New Castle (excluding Wilmington City)	32.22	(29.28 - 35.32)	22.86	(20.11 - 25.86)
Sussex	24.81	(21.05 - 28.98)	17.10	(13.72 - 21.11)
Wilmington City	22.73	(18.15 - 28.07)	12.87	(9.69 - 16.90)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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>&</sup>lt;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.

Table 8.6 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 Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

	Cigarette Use in Past Month		Tobacco Product Use in Past Month <sup>1</sup>		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
Delaware	25.31	(23.14 - 27.62)	29.10	(26.86 - 31.46)	74.68	(72.44 - 76.79)
Kent	26.43	(22.89 - 30.30)	30.28	(26.39 - 34.47)	72.92	(69.12 - 76.42)
New Castle (excluding Wilmington City)	23.09	(20.49 - 25.92)	26.49	(23.73 - 29.45)	76.75	(74.06 - 79.25)
Sussex	28.61	(24.65 - 32.93)	33.18	(29.25 - 37.35)	70.84	(66.86 - 74.53)
Wilmington City	28.13	(23.81 - 32.89)	32.20	(27.55 - 37.23)	75.23	(71.35 - 78.73)

NOTE: For Substate Region definitions, see Section D of the report on *Substate Estimates from the 2006-2008 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>&</sup>lt;sup>1</sup> Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

Table 8.7 Alcohol Dependence in Past Year and Illicit Drug Dependence in Past Year in Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

		Alcohol Dependence in Past Year		Drug Dependence n Past Year <sup>1</sup>
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	3.17	(2.57 - 3.92)	2.03	(1.59 - 2.60)
Kent	3.00	(2.18 - 4.12)	2.37	(1.59 - 3.51)
New Castle (excluding Wilmington City)	3.19	(2.43 - 4.17)	1.93	(1.39 - 2.67)
Sussex	3.02	(2.18 - 4.15)	1.87	(1.23 - 2.83)
Wilmington City	3.79	(2.66 - 5.38)	2.38	(1.46 - 3.87)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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).

<sup>&</sup>lt;sup>1</sup> Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically; these estimates are based on data from original questions, excluding those on the use of over-the-counter drugs or new methamphetamine items that were added in 2005 and 2006. See Section B.4.8 in Appendix B of the Results from the 2008 National Survey on Drug Use and Health: National Findings.

Table 8.8 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 Delaware among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

	Alcohol Dependence or Abuse in Past Year		Illicit Drug Dependence or Abuse in Past Year <sup>1</sup>		Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year <sup>1</sup>	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	6.81	(5.83 - 7.94)	3.01	(2.43 - 3.73)	8.71	(7.61 - 9.95)
Kent	6.33	(4.97 - 8.04)	3.28	(2.32 - 4.62)	8.49	(6.77 - 10.59)
New Castle (excluding Wilmington City)	7.01	(5.78 - 8.48)	2.82	(2.12 - 3.74)	8.74	(7.31 - 10.40)
Sussex	6.29	(4.89 - 8.06)	3.11	(2.15 - 4.47)	8.18	(6.46 - 10.32)
Wilmington City	7.83	(5.96 - 10.21)	3.34	(2.15 - 5.15)	10.28	(7.88 - 13.31)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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).

<sup>&</sup>lt;sup>1</sup> Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically; these estimates are based on data from original questions, excluding those on the use of over-the-counter drugs or new methamphetamine items that were added in 2005 and 2006. See Section B.4.8 in Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings*.

Table 8.9 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 Delaware among Persons Aged 12 or Older, by Substate
Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

		Needing But Not Receiving Treatment for Alcohol Use in Past Year <sup>1</sup>		Not Receiving Treatment Orug Use in Past Year <sup>2</sup>
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Delaware	6.40	(5.46 - 7.50)	2.80	(2.25 - 3.49)
Kent	5.95	(4.61 - 7.64)	3.24	(2.25 - 4.65)
New Castle (excluding Wilmington City)	6.70	(5.51 - 8.13)	2.46	(1.85 - 3.26)
Sussex	5.79	(4.43 - 7.54)	3.10	(2.09 - 4.59)
Wilmington City	7.03	(5.26 - 9.35)	3.23	(2.08 - 5.00)

NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2006-2008 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>&</sup>lt;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], or mental health centers).

<sup>&</sup>lt;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], or mental health centers). Illicit Drugs include marijuana/hashish, cocaine (including crack), heroin, hallucinogens, inhalants, or prescription-type psychotherapeutics used nonmedically, these estimate are based on data from original questions excluding those on the use of over-the-counter drugs or new methamphetamine items that were added in 2005 and 2006. See Section B.4.8 in the Appendix B of the *Results from the 2008 National Survey on Drug Use and Health: National Findings* 

Figure 8.1.1 *Illicit Drug Use in Past Month* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

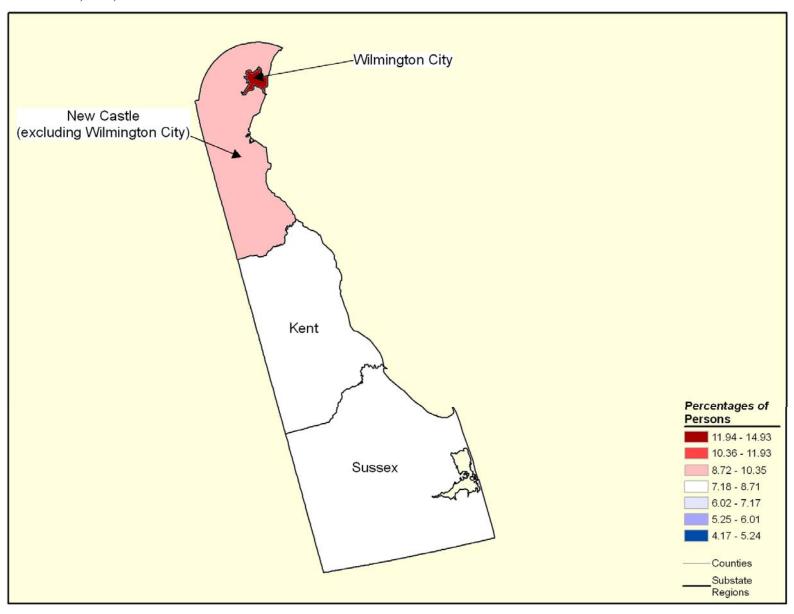


Figure 8.1.2 *Illicit Drug Use Other Than Marijuana in Past Month* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

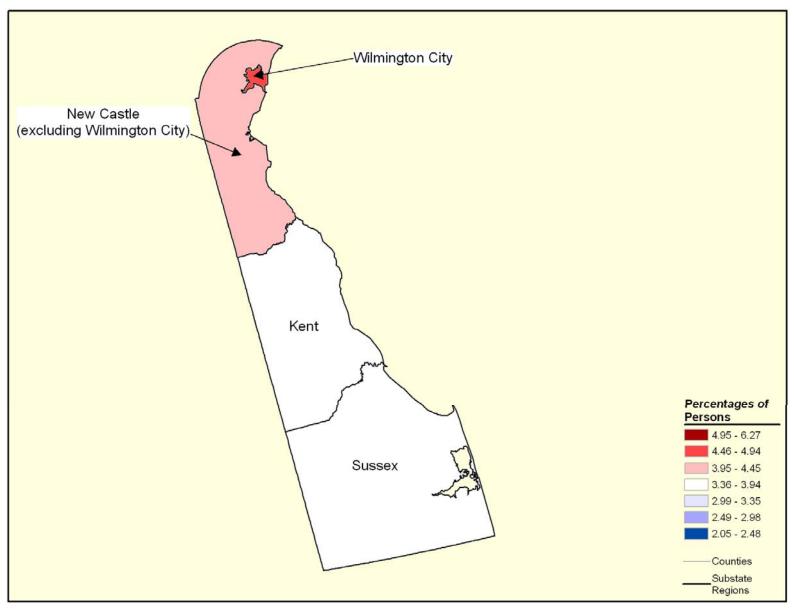


Figure 8.2.1 *Marijuana Use in Past Month* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

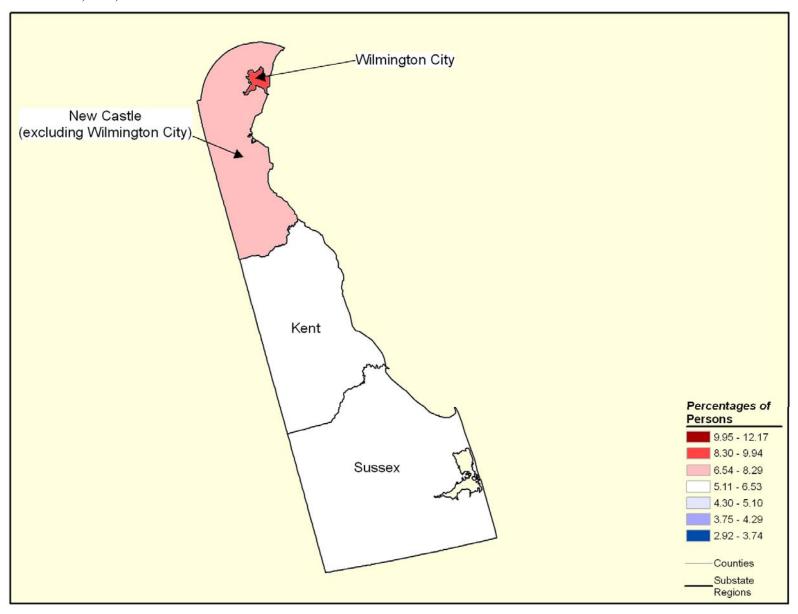


Figure 8.2.2 First Use of Marijuana among Persons Aged 12 or Older in Delaware, by Substate Region: Average Annual Rates Based on 2006, 2007, and 2008 NSDUHs

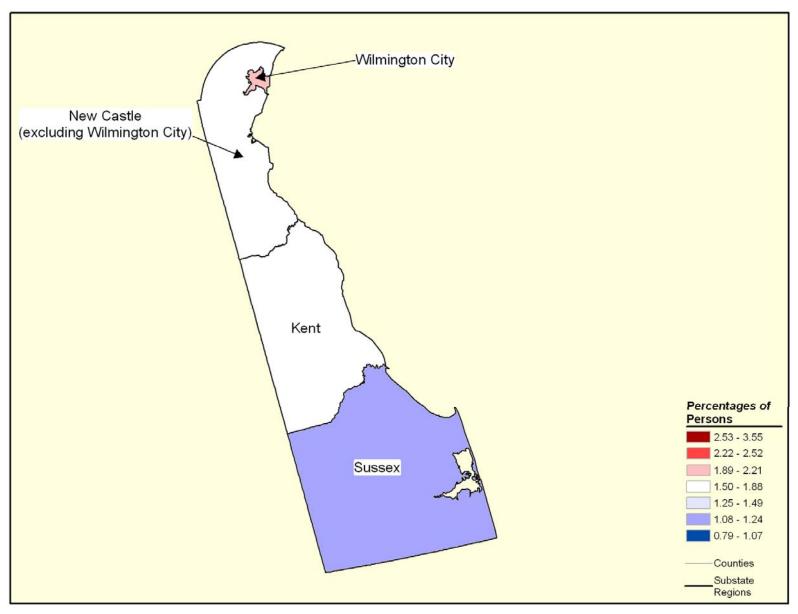


Figure 8.2.3 Perceptions of Great Risk of Smoking Marijuana Once a Month among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

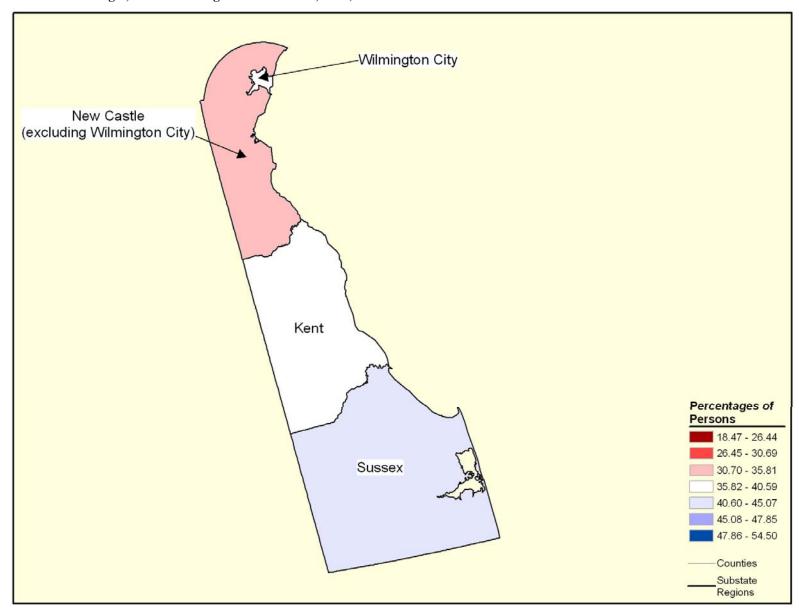


Figure 8.3.1 *Marijuana Use in Past Year* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

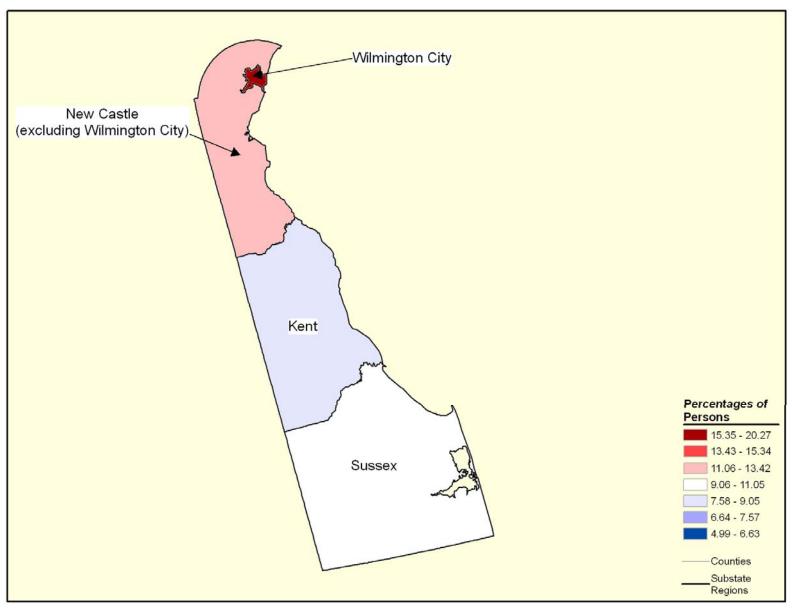


Figure 8.3.2 *Cocaine Use in Past Year* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

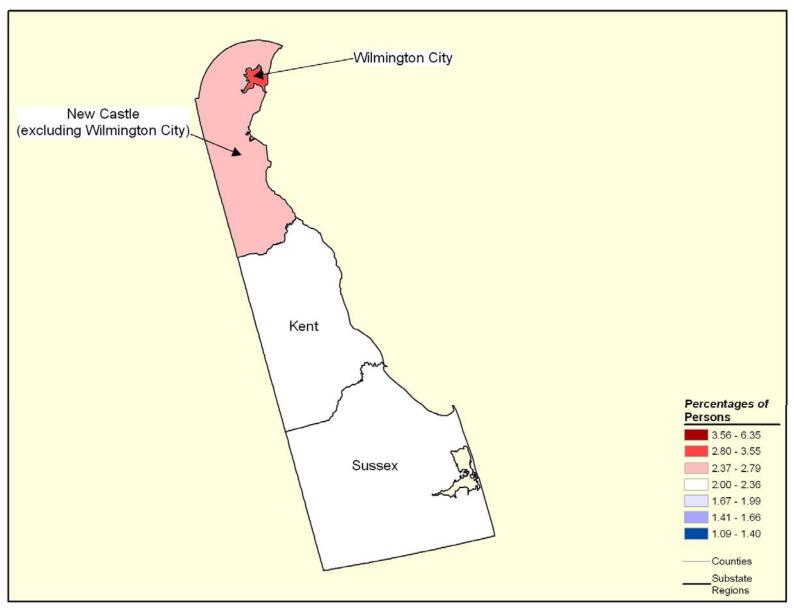


Figure 8.3.3 Nonmedical Use of Pain Relievers in Past Year among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

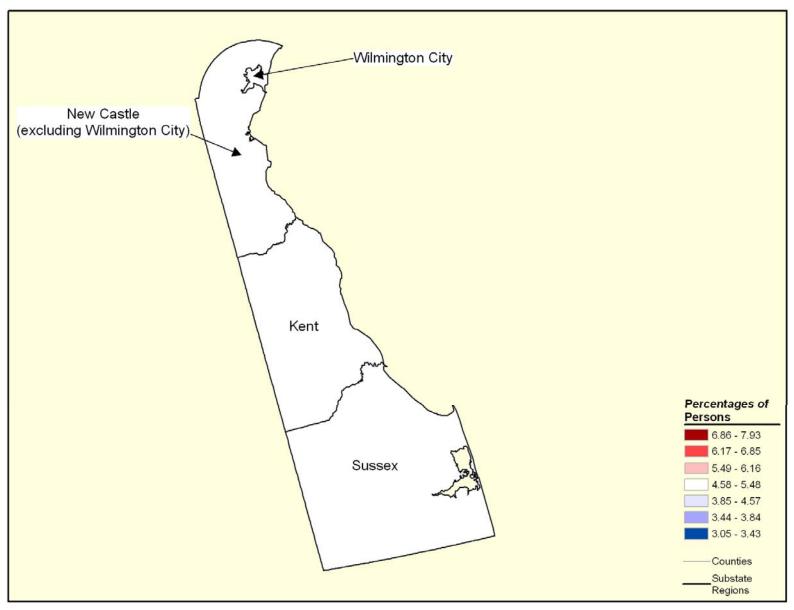


Figure 8.4.1 Alcohol Use in Past Month among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

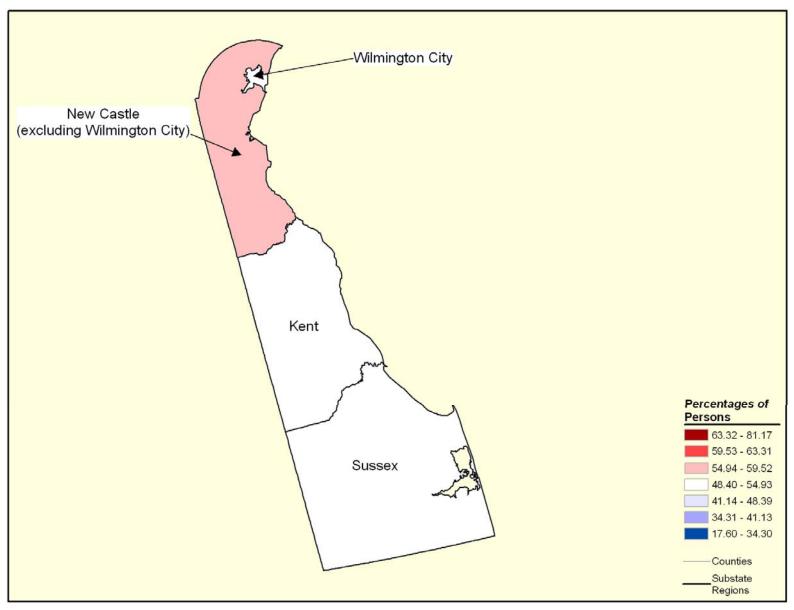


Figure 8.4.2 Binge Alcohol Use in Past Month among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

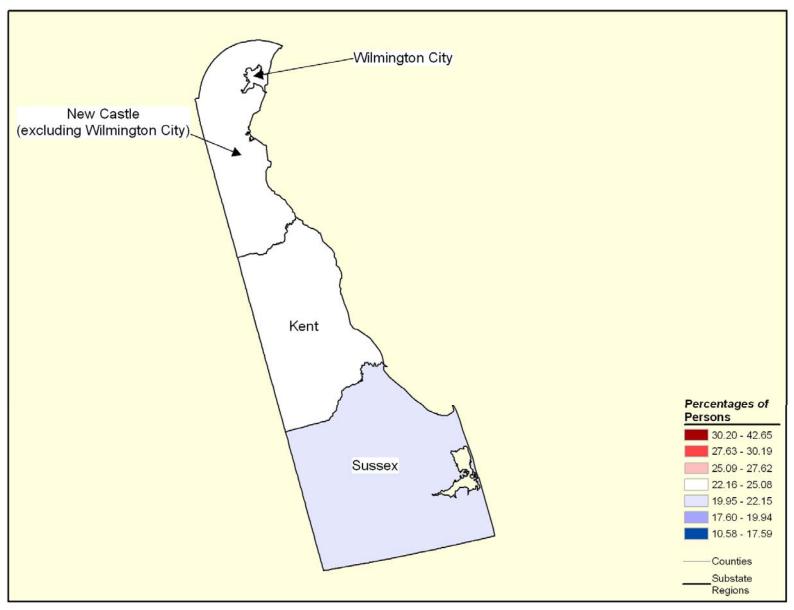


Figure 8.4.3 Perceptions of Great Risk of Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

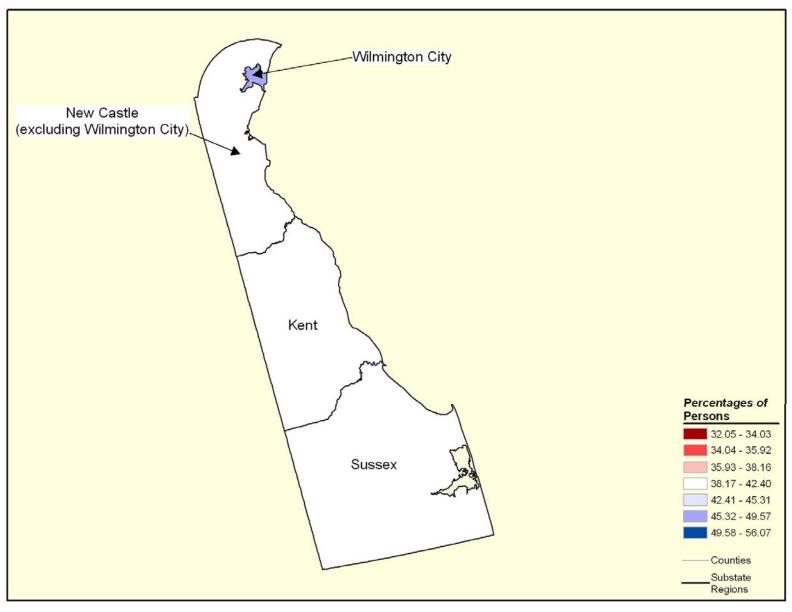


Figure 8.5.1 Alcohol Use in Past Month among Persons Aged 12 to 20 in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

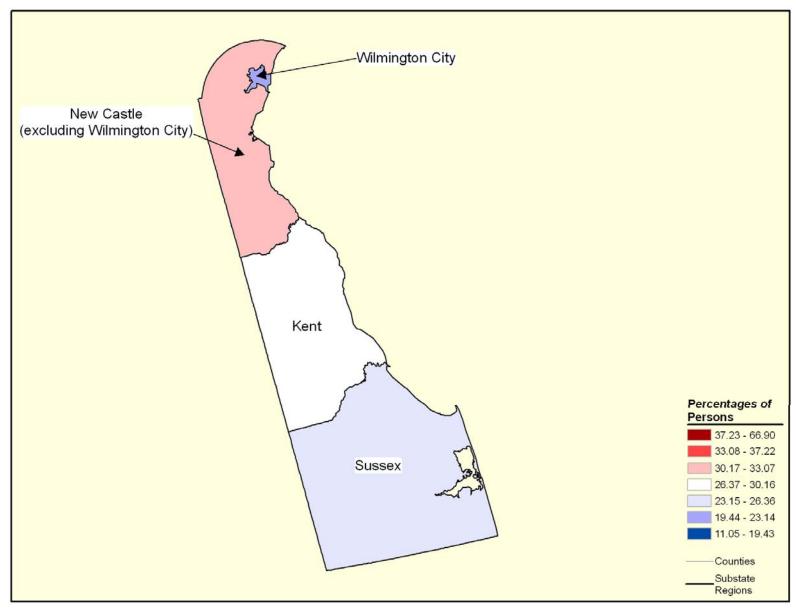


Figure 8.5.2 Binge Alcohol Use in Past Month among Persons Aged 12 to 20 in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

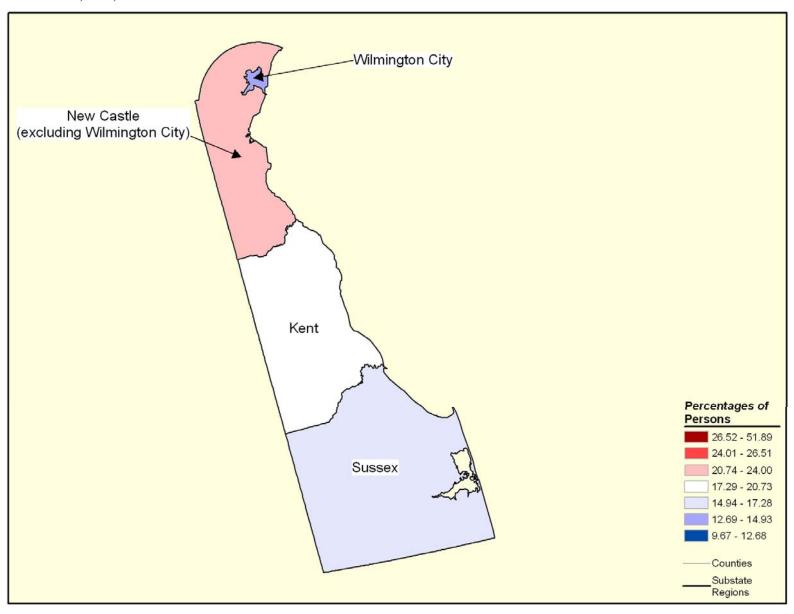


Figure 8.6.1 Cigarette Use in Past Month among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

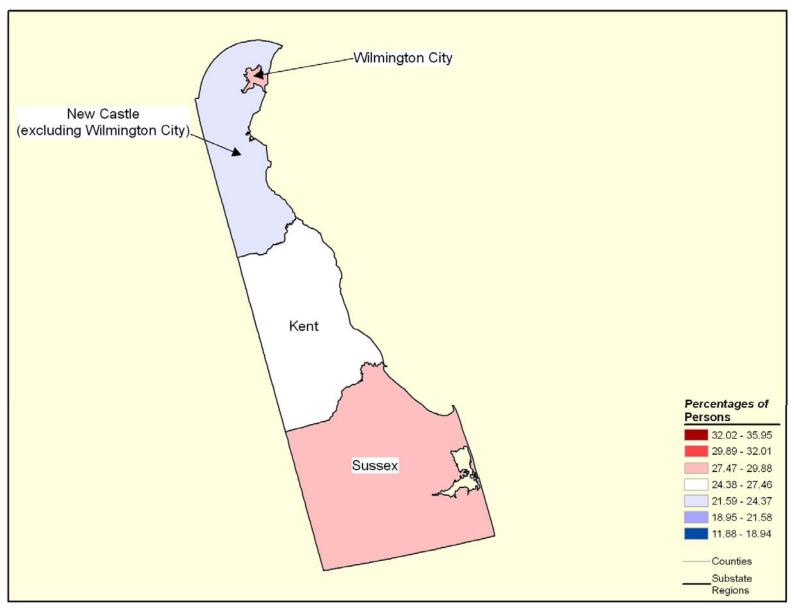


Figure 8.6.2 Tobacco Product Use in Past Month among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

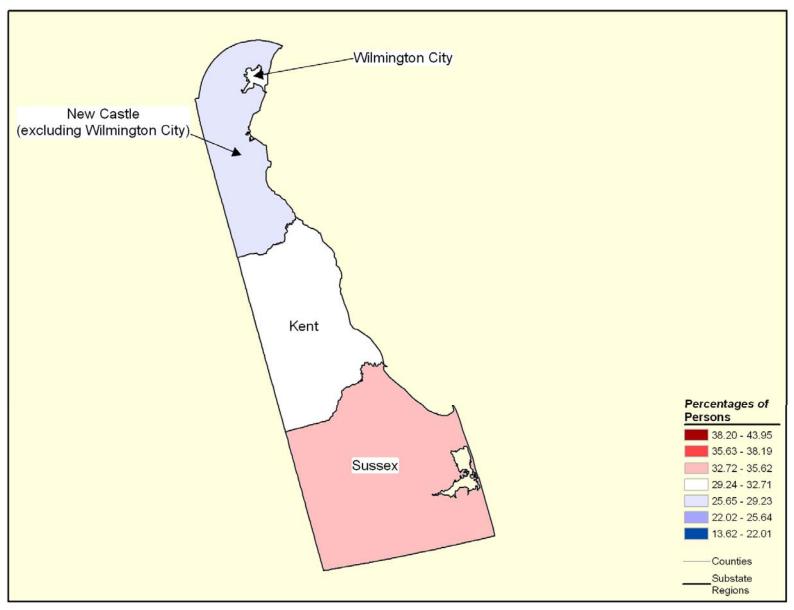


Figure 8.6.3 Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

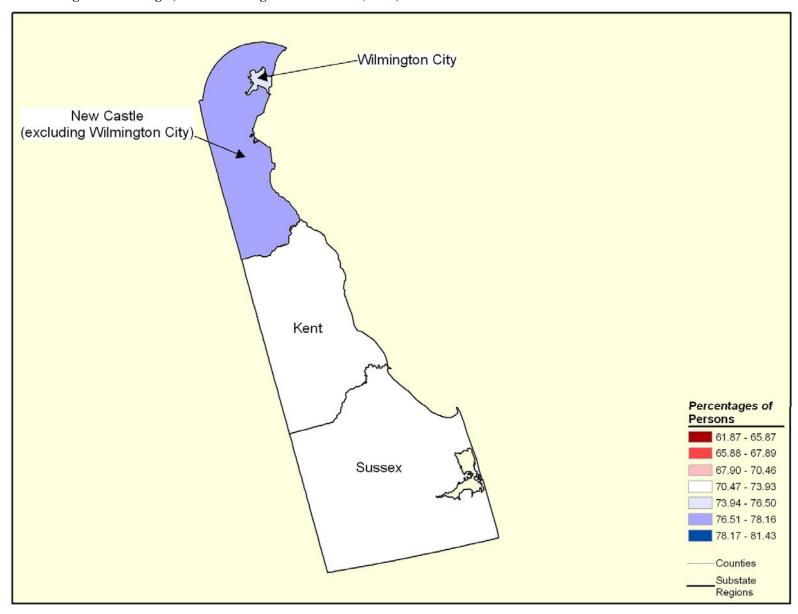


Figure 8.7.1 Alcohol Dependence in Past Year among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

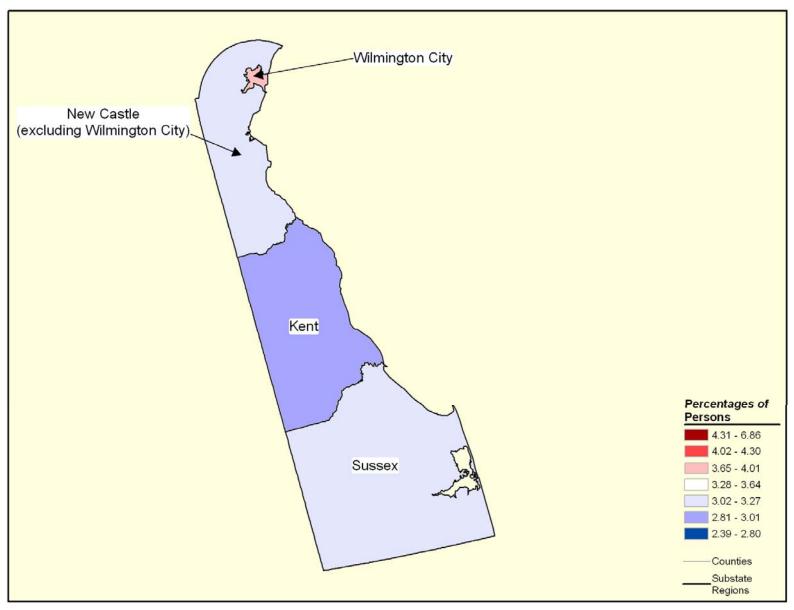


Figure 8.7.2 *Illicit Drug Dependence in Past Year* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

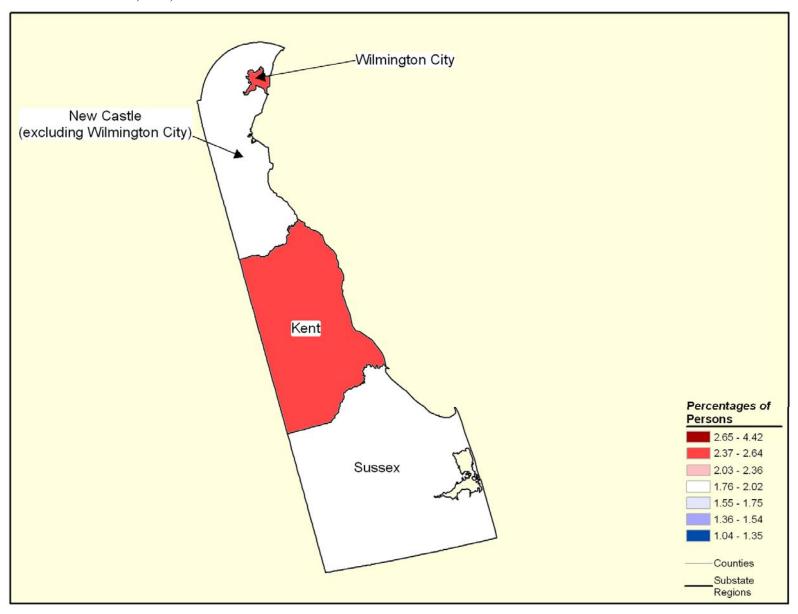


Figure 8.8.1 Alcohol Dependence or Abuse in Past Year among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

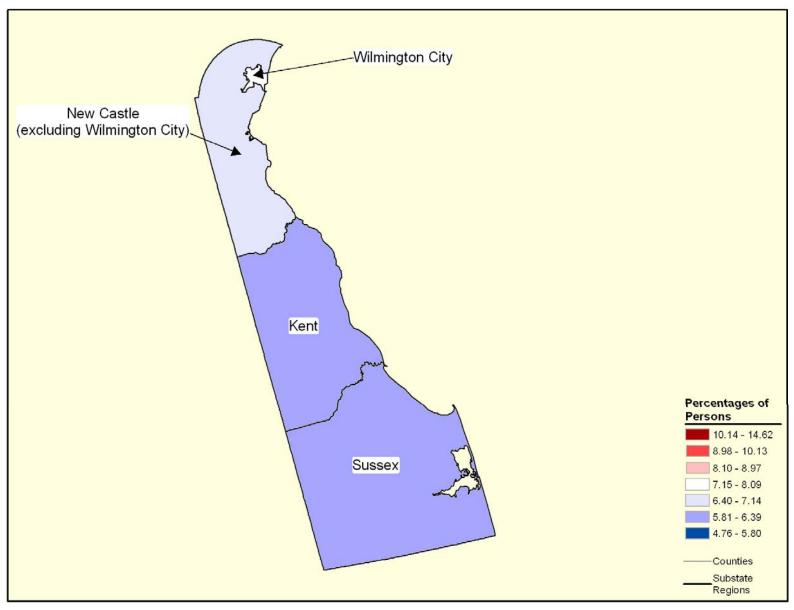


Figure 8.8.2 *Illicit Drug Dependence or Abuse in Past Year* among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

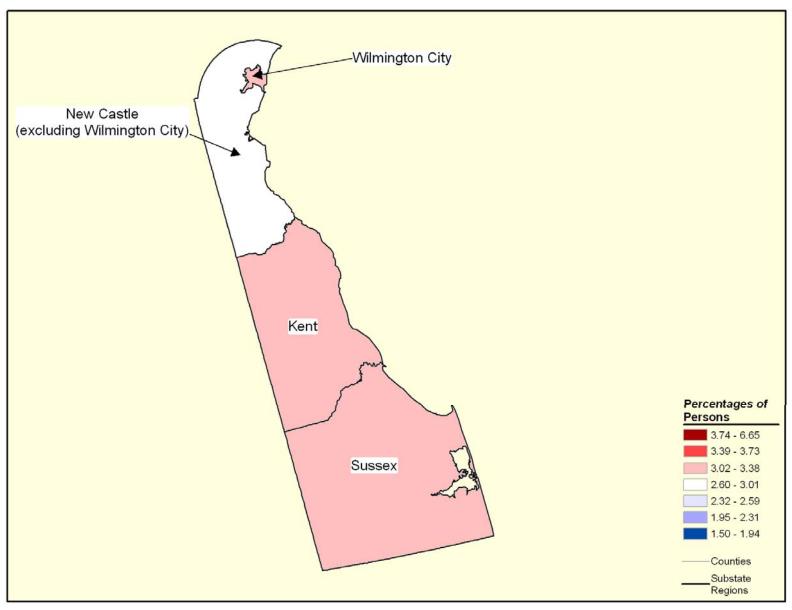


Figure 8.8.3 Dependence on or Abuse of Illicit Drugs or Alcohol in Past Year among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

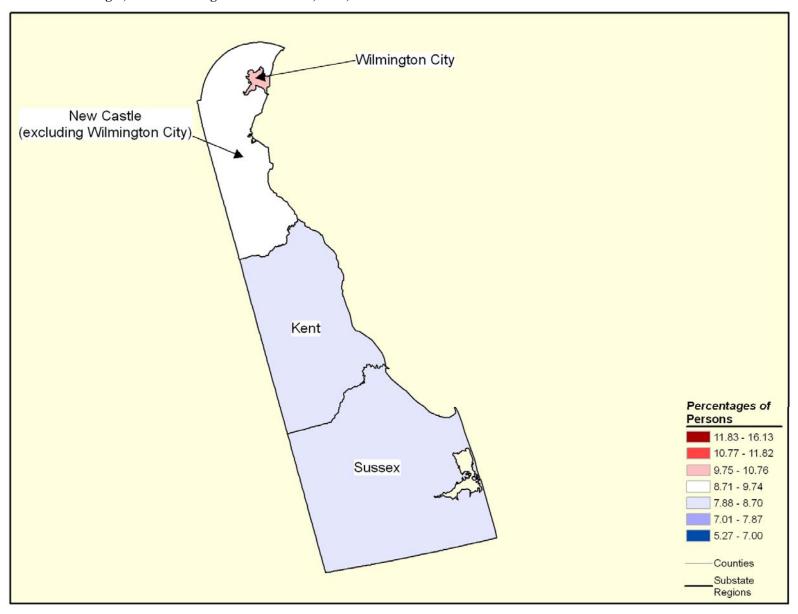


Figure 8.9.1 Needing But Not Receiving Treatment for Alcohol Use in Past Year among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

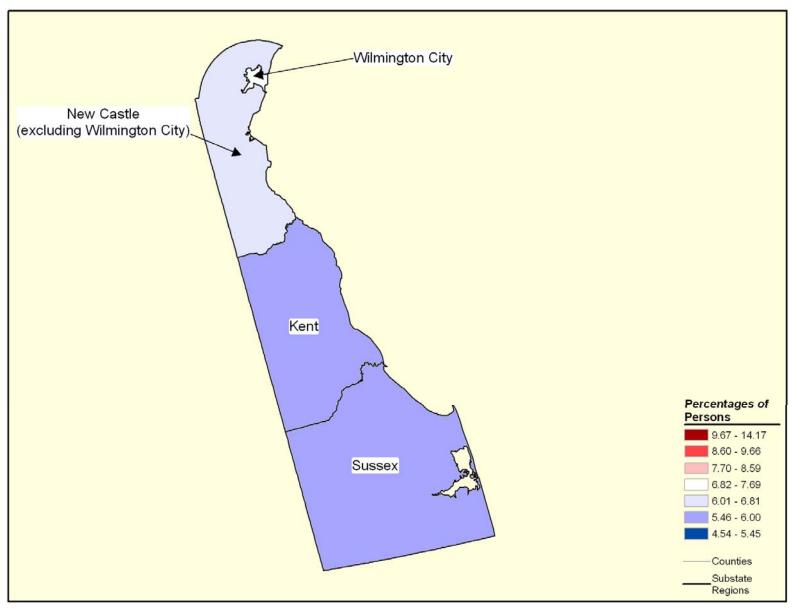


Figure 8.9.2 Needing But Not Receiving Treatment for Illicit Drug Use in Past Year among Persons Aged 12 or Older in Delaware, by Substate Region: Percentages, Annual Averages Based on 2006, 2007, and 2008 NSDUHs

