# Table 46.1Any Illicit Drug Use in Past Month and Any Illicit Drug Use Other Than Marijuana in Past Month in<br/>Vermont among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages<br/>Based on 2002, 2003, and 2004 NSDUHs

	Any Illicit D	Any Illicit Drug Use in Past Month		Drug Use Other Than ana in Past Month
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	11.15	(9.86 - 12.58)	3.91	(3.31 - 4.61)
Champlain Valley	12.46	(10.64 - 14.54)	4.09	(3.29 - 5.07)
Rural Northeast	10.65	(8.62 - 13.08)	3.91	(3.04 - 5.02)
Rural Southeast	9.33	(7.34 - 11.80)	3.22	(2.40 - 4.30)
Rural Southwest	11.17	(8.83 - 14.04)	4.41	(3.27 - 5.91)

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.

		Marijuana Use in Past Month		Annual Rate of e of Marijuana <sup>1</sup>	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
Vermont	9.54	(8.31 - 10.94)	2.52	(2.20 - 2.88)	27.19	(24.67 - 29.86)
Champlain Valley	10.96	(9.27 - 12.92)	2.54	(2.06 - 3.13)	24.45	(21.13 - 28.10)
Rural Northeast	9.03	(7.19 - 11.29)	2.77	(2.24 - 3.42)	29.18	(25.28 - 33.41)
Rural Southeast	8.37	(6.32 - 11.00)	2.33	(1.83 - 2.96)	28.65	(24.32 - 33.42)
Rural Southwest	8.49	(6.56 - 10.92)	2.37	(1.80 - 3.11)	28.84	(24.16 - 34.01)

Table 46.2Marijuana Use in Past Month, Average Annual Rate of First Use of Marijuana, and Perceptions of<br/>Great Risk of Smoking Marijuana Once a Month in Vermont among Persons Aged 12 or Older, by<br/>Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

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

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

# Table 46.3 Marijuana Use in Past Year, Cocaine Use in Past Year, and Nonmedical Use of Pain Relievers in Past Year in Vermont among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

		Marijuana Use in Past Year		Cocaine Use in Past Year		ical Use of Pain rs in Past Year
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	15.52	(13.96 - 17.23)	2.97	(2.44 - 3.60)	5.25	(4.44 - 6.20)
Champlain Valley	17.37	(15.15 - 19.83)	3.70	(2.91 - 4.69)	5.63	(4.60 - 6.89)
Rural Northeast	15.37	(12.89 - 18.21)	2.56	(1.88 - 3.47)	4.87	(3.75 - 6.31)
Rural Southeast	14.22	(11.60 - 17.31)	2.27	(1.65 - 3.11)	4.25	(3.12 - 5.76)
Rural Southwest	13.14	(10.70 - 16.03)	2.75	(2.02 - 3.74)	6.19	(4.66 - 8.17)

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 46.4Alcohol Use in Past Month, Binge Alcohol Use in Past Month, and Perceptions of Great Risk of Having<br/>Five or More Drinks of an Alcoholic Beverage Once or Twice a Week in Vermont among Persons Aged<br/>12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004<br/>NSDUHs

		cohol Use Past Month	Binge in P		Having Fiv of an Alc	s of Great Risk of re or More Drinks oholic Beverage Twice a Week
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	58.24	(55.46 - 60.96)	24.09	(22.13 - 26.16)	35.62	(33.13 - 38.20)
Champlain Valley	62.39	(58.52 - 66.11)	26.28	(23.49 - 29.27)	34.87	(31.52 - 38.38)
Rural Northeast	53.95	(49.17 - 58.66)	23.86	(20.80 - 27.22)	34.26	(30.42 - 38.32)
Rural Southeast	58.23	(52.94 - 63.34)	21.52	(18.34 - 25.08)	37.81	(33.54 - 42.28)
Rural Southwest	54.66	(49.05 - 60.16)	22.63	(19.28 - 26.38)	36.50	(31.92 - 41.35)

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

		Alcohol Use in Past Month among Persons Aged 12 to 20		hol Use in Past Month ersons Aged 12 to 20 <sup>1</sup>
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	34.00	(31.68 - 36.39)	24.33	(22.24 - 26.55)
Champlain Valley	35.60	(32.22 - 39.14)	25.50	(22.50 - 28.74)
Rural Northeast	33.24	(29.31 - 37.42)	23.51	(20.09 - 27.31)
Rural Southeast	33.82	(29.65 - 38.26)	24.41	(20.69 - 28.55)
Rural Southwest	31.13	(26.43 - 36.24)	22.42	(18.55 - 26.83)

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.

	0	Cigarette Use in Past Month		acco Product Use 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
Vermont	25.13	(23.03 - 27.35)	29.86	(27.62 - 32.20)	71.16	(68.87 - 73.34)
Champlain Valley	23.96	(21.33 - 26.80)	27.97	(25.04 - 31.11)	71.61	(68.62 - 74.43)
Rural Northeast	26.58	(23.30 - 30.13)	31.50	(27.80 - 35.46)	69.67	(66.18 - 72.95)
Rural Southeast	23.83	(20.64 - 27.34)	29.46	(25.75 - 33.48)	72.80	(69.02 - 76.27)
Rural Southwest	27.46	(23.63 - 31.66)	32.43	(28.28 - 36.87)	70.08	(65.98 - 73.88)

 Table 46.6
 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 Vermont among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

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 46.7
 Alcohol Dependence in Past Year and Any Illicit Drug Dependence in Past Year in Vermont among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

	Alcohol De	Alcohol Dependence in Past Year		it Drug Dependence n Past Year <sup>1</sup>
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	3.45	(2.81 - 4.23)	2.16	(1.77 - 2.64)
Champlain Valley	3.60	(2.77 - 4.67)	2.47	(1.91 - 3.20)
Rural Northeast	3.61	(2.65 - 4.89)	2.15	(1.59 - 2.91)
Rural Southeast	3.02	(2.17 - 4.17)	1.77	(1.24 - 2.52)
Rural Southwest	3.44	(2.52 - 4.68)	1.97	(1.42 - 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.

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 46.8Alcohol Dependence or Abuse in Past Year, Any Illicit Drug Dependence or Abuse in Past Year, and<br/>Dependence on or Abuse of Any Illicit Drug or Alcohol in Past Year in Vermont among Persons Aged<br/>12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004<br/>NSDUHs

	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>	
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	7.86	(6.84 - 9.01)	3.37	(2.87 - 3.97)	9.88	(8.80 - 11.07)
Champlain Valley	8.59	(7.20 - 10.22)	3.72	(3.02 - 4.58)	10.53	(9.06 - 12.22)
Rural Northeast	7.63	(6.19 - 9.38)	3.34	(2.63 - 4.23)	9.89	(8.25 - 11.80)
Rural Southeast	7.06	(5.59 - 8.88)	2.96	(2.24 - 3.89)	8.94	(7.26 - 10.98)
Rural Southwest	7.49	(5.95 - 9.40)	3.15	(2.41 - 4.11)	9.53	(7.74 - 11.69)

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.

	Needing But I for Alcoh	Needing But Not Receiving Treatment I for Alcohol Use in Past Year <sup>1</sup>		Not Receiving Treatment Drug Use in Past Year <sup>2</sup>
State/Substate Region	Estimate	95% Prediction Interval	Estimate	95% Prediction Interval
Vermont	7.53	(6.54 - 8.65)	3.13	(2.66 - 3.68)
Champlain Valley	8.33	(6.99 - 9.89)	3.48	(2.82 - 4.27)
Rural Northeast	7.27	(5.88 - 8.96)	3.10	(2.43 - 3.93)
Rural Southeast	6.72	(5.30 - 8.50)	2.78	(2.14 - 3.60)
Rural Southwest	7.07	(5.55 - 8.96)	2.84	(2.18 - 3.69)

#### Table 46.9 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 Vermont among Persons Aged 12 or Older, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

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.

	Serious Psychological Distress in Past Year				
State/Substate Region	Estimate	95% Prediction Interval			
Vermont	8.75	(7.46 - 10.24)			
Champlain Valley	8.80	(7.06 - 10.92)			
Rural Northeast	9.20	(7.17 - 11.72)			
Rural Southeast	7.87	(6.00 - 10.25)			
Rural Southwest	9.15	(7.04 - 11.82)			

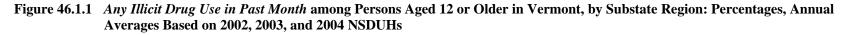
# Table 46.10Serious Psychological Distress in Past Year in Vermont among Persons Aged 18 or Older, by<br/>Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

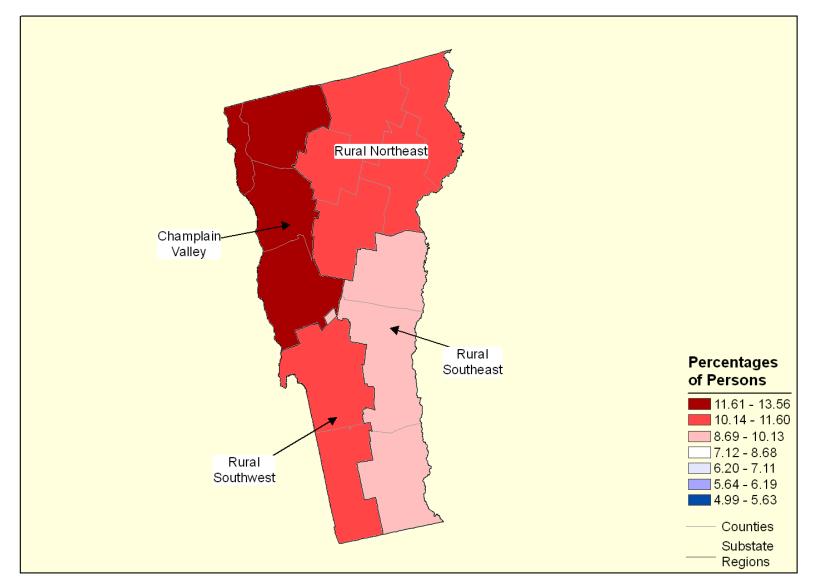
NOTE: For Substate Region definitions, see Section D of the report on Substate Estimates from the 2002-2004 National Surveys on Drug Use and Health.

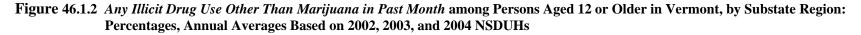
NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach, and the 95 percent prediction (credible) intervals are generated by Markov Chain Monte Carlo techniques.

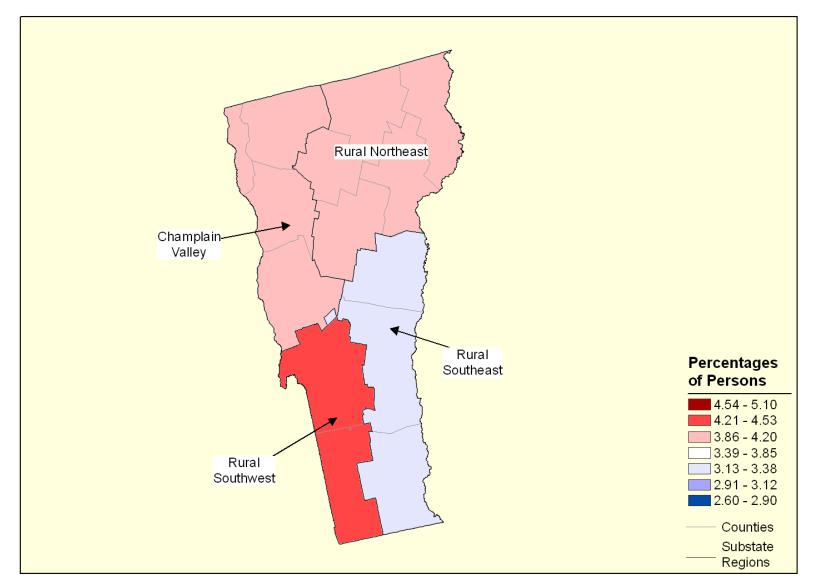
NOTE: Serious Psychological Distress (SPD) was referred to as Serious Mental Illness (SMI) in prior NSDUH reports.

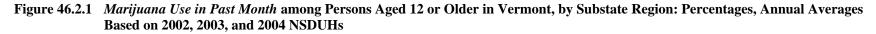
Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2002, 2003, and 2004.











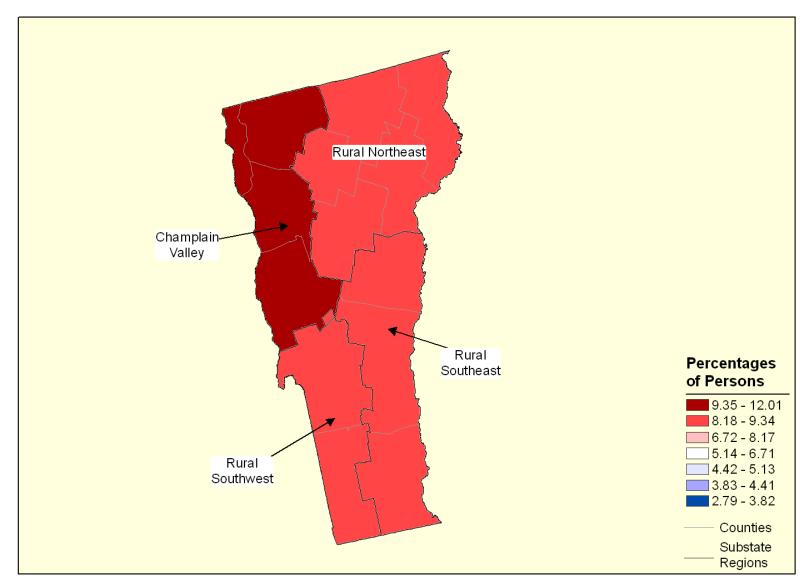
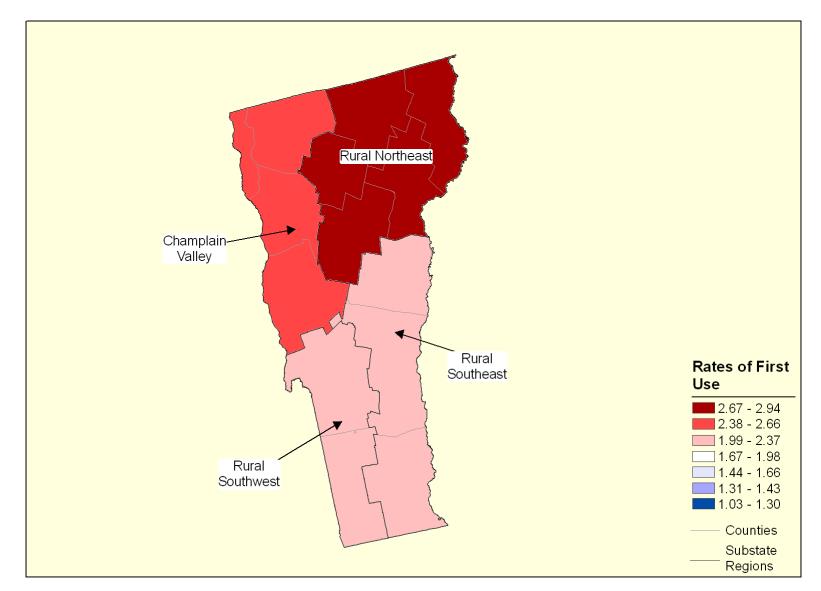
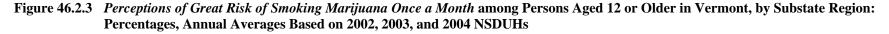


Figure 46.2.2 *First Use of Marijuana* among Persons Aged 12 or Older in Vermont, by Substate Region: Average Annual Rates Based on 2002, 2003, and 2004 NSDUHs





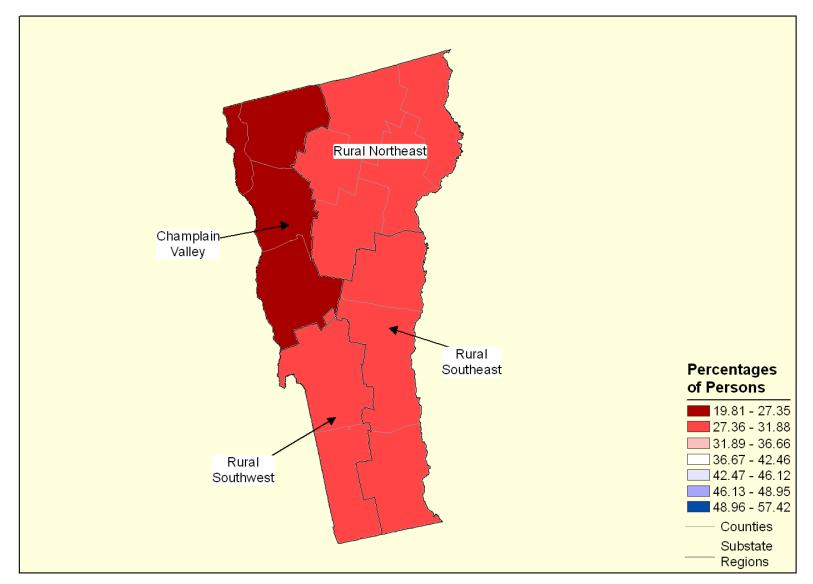
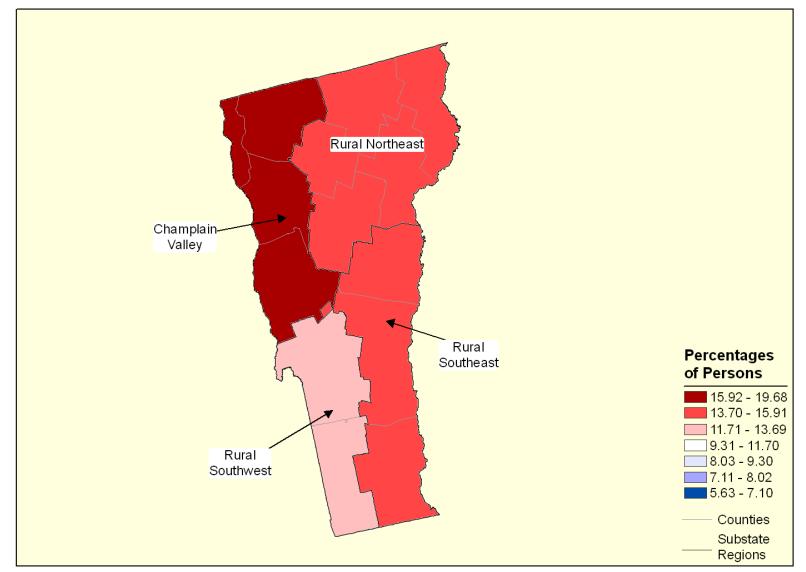


Figure 46.3.1 Marijuana Use in Past Year among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs



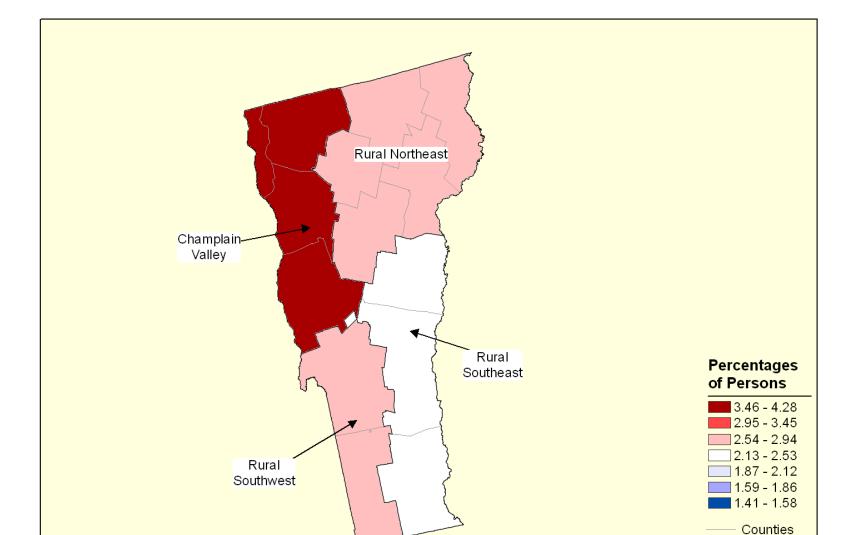


Figure 46.3.2 *Cocaine Use in Past Year* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

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.

Substate Regions Figure 46.3.3 Nonmedical Use of Pain Relievers in Past Year among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

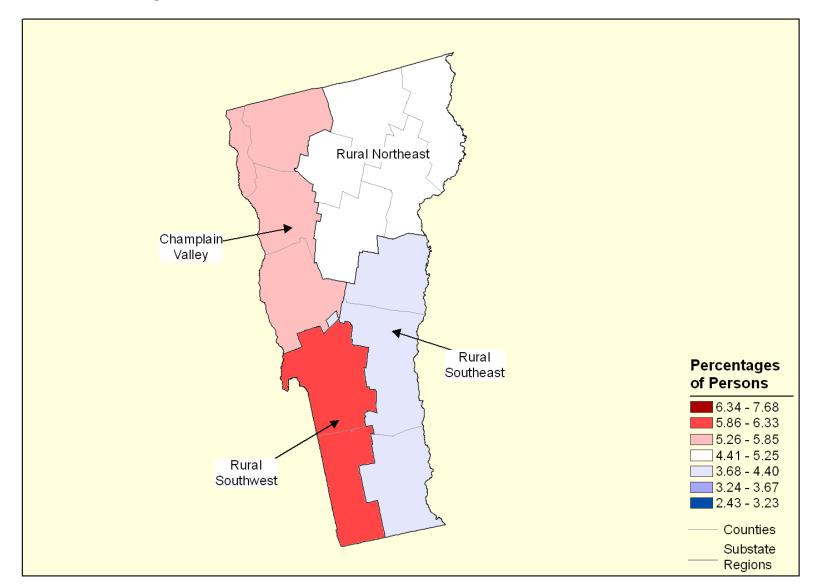


Figure 46.4.1 *Alcohol Use in Past Month* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

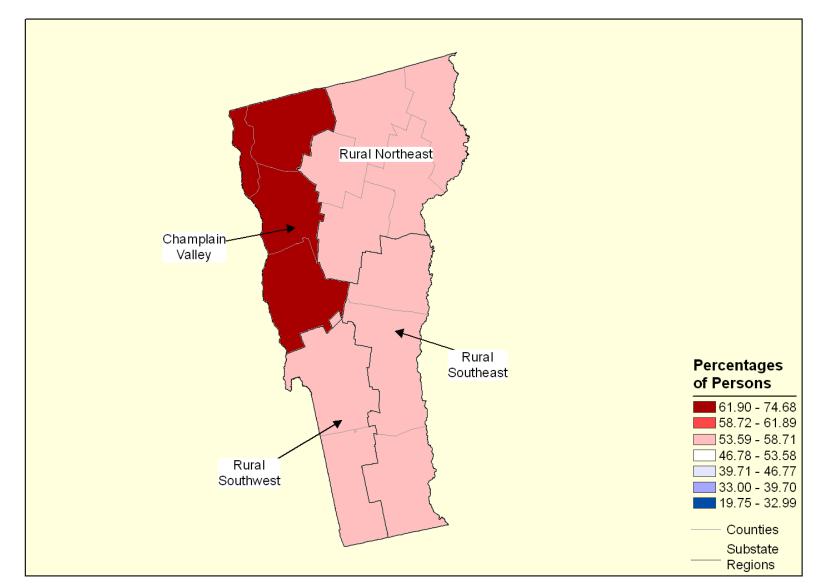
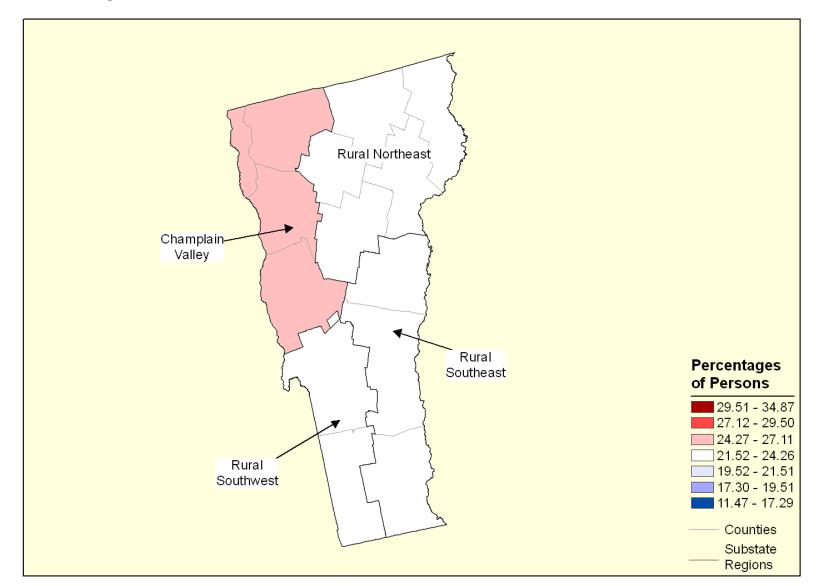
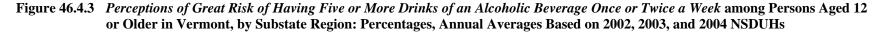


Figure 46.4.2 *Binge Alcohol Use in Past Month* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs





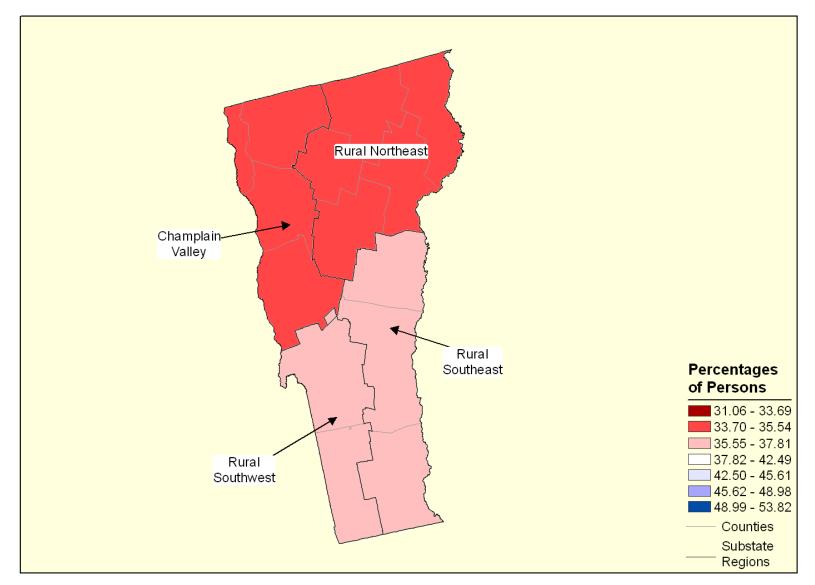


Figure 46.5.1 Alcohol Use in Past Month among Persons Aged 12 to 20 in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

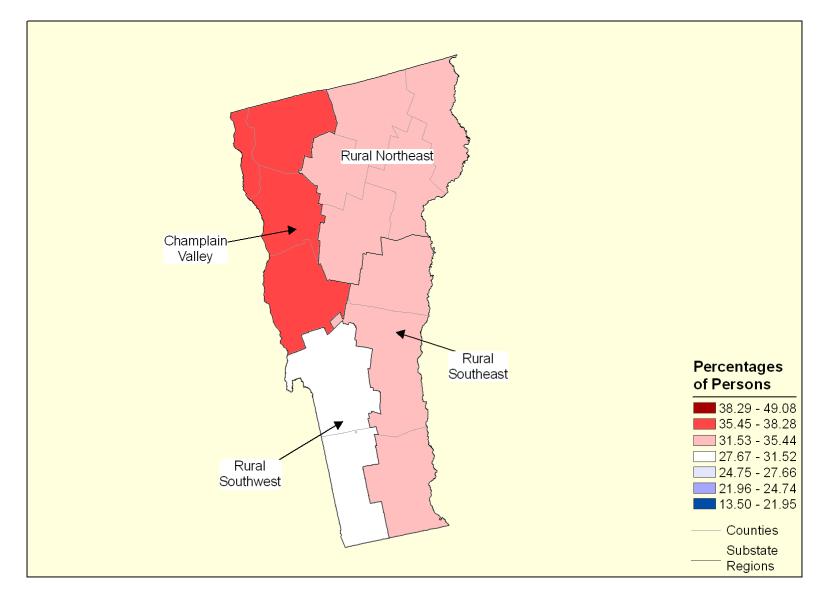


Figure 46.5.2 *Binge Alcohol Use in Past Month among Persons Aged 12 to 20* in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

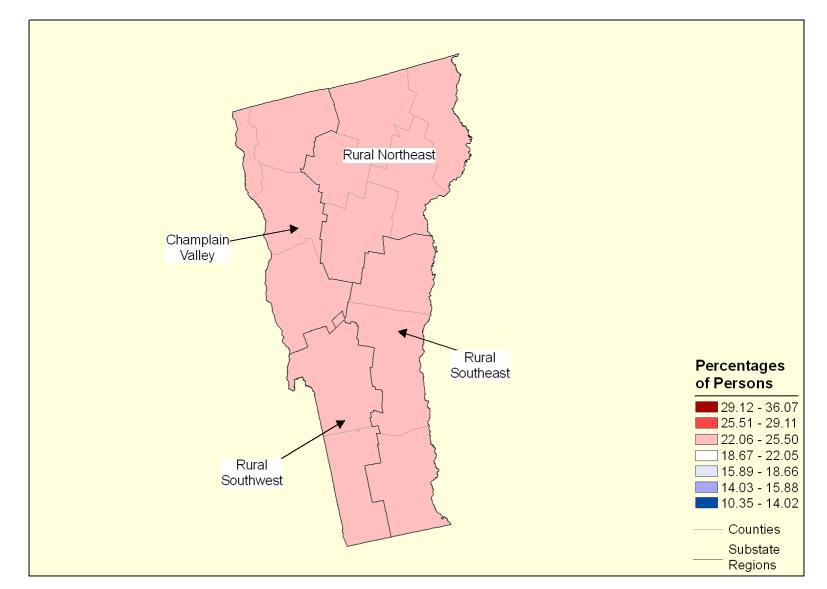


Figure 46.6.1 *Cigarette Use in Past Month* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

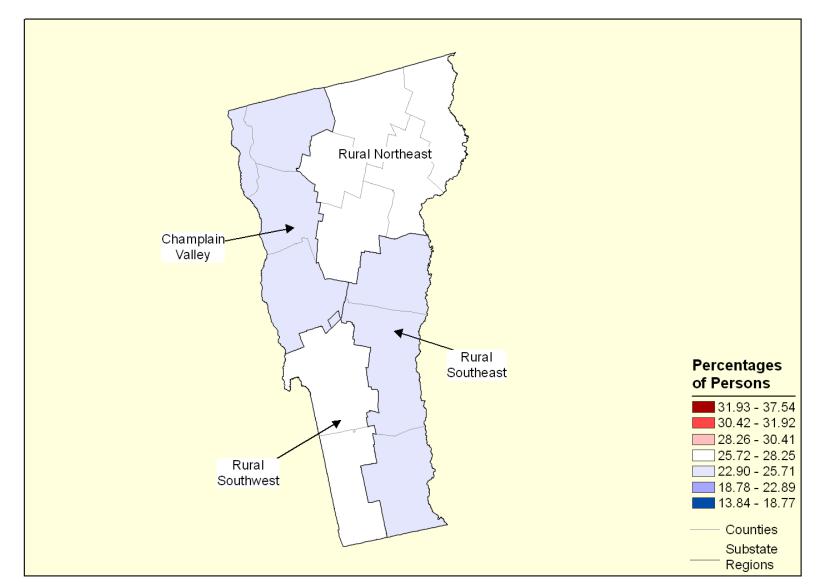


Figure 46.6.2 Any Tobacco Product Use in Past Month among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

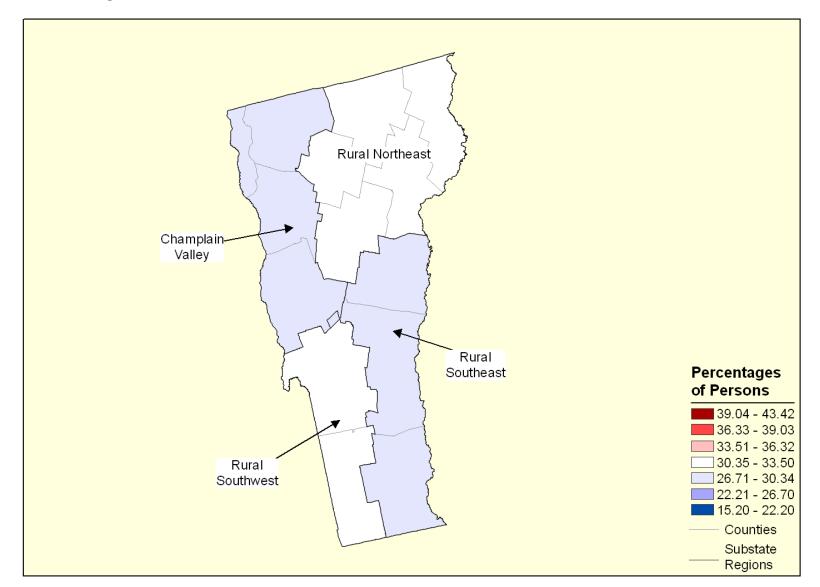


Figure 46.6.3 *Perceptions of Great Risk of Smoking One or More Packs of Cigarettes Per Day* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

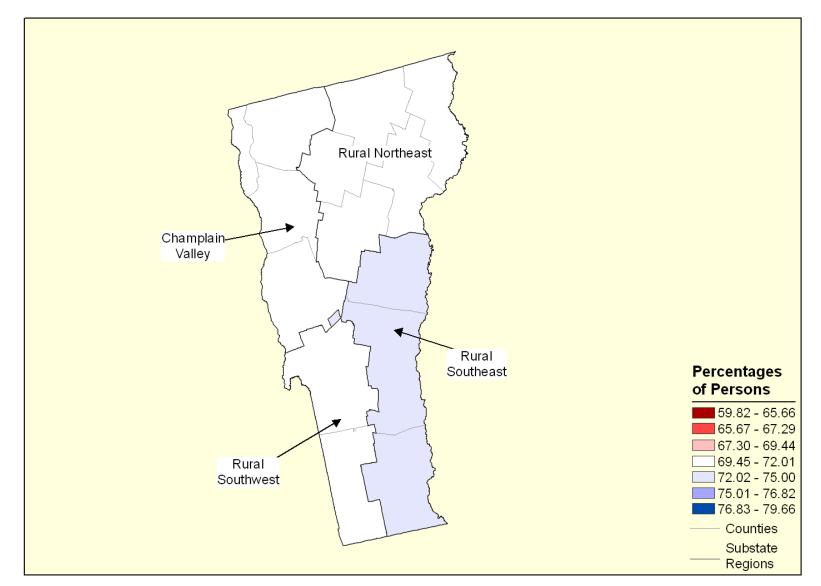


Figure 46.7.1 *Alcohol Dependence in Past Year* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

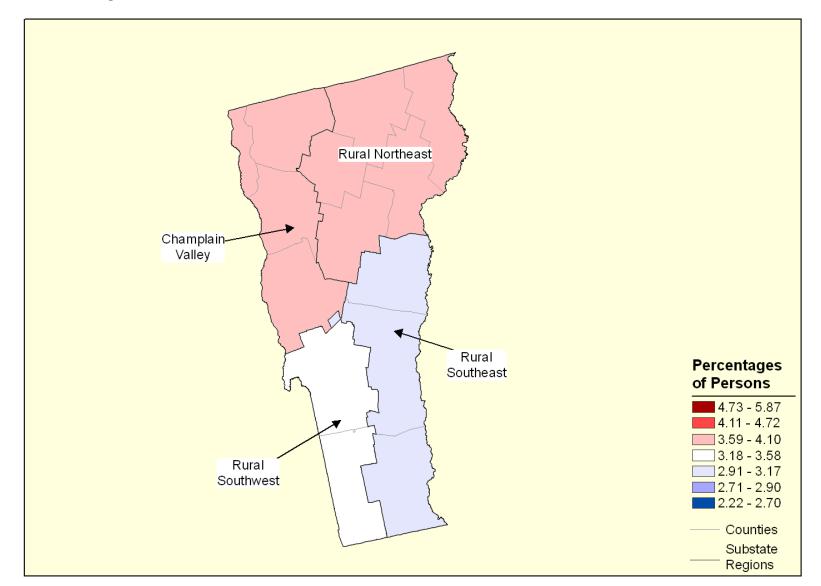


Figure 46.7.2 Any Illicit Drug Dependence in Past Year among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

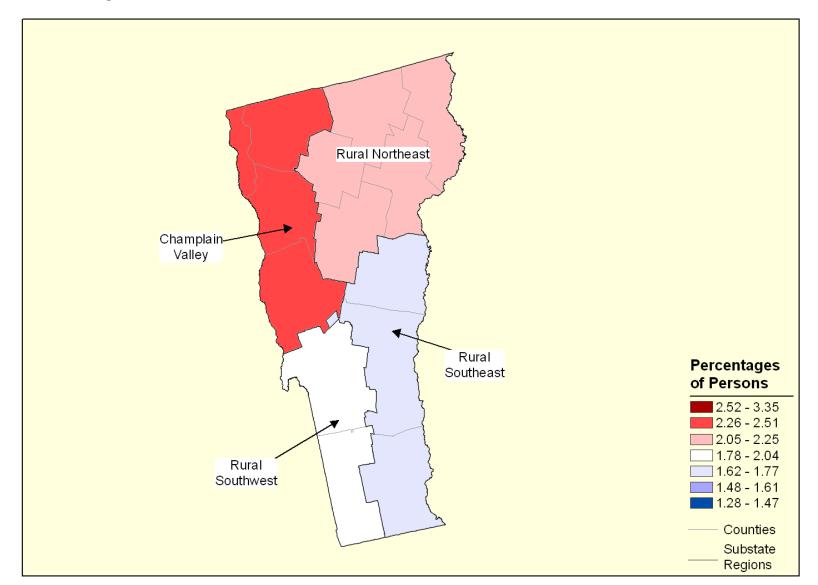


Figure 46.8.1 *Alcohol Dependence or Abuse in Past Year* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

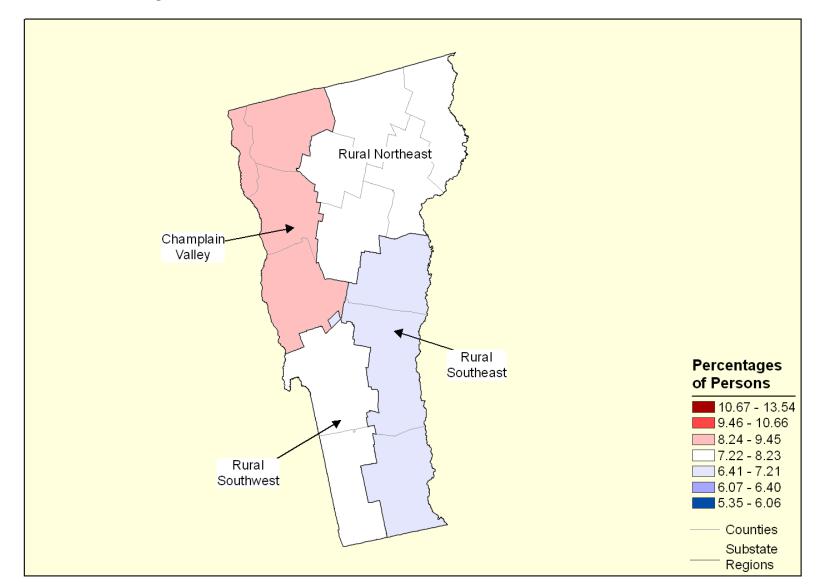


Figure 46.8.2 Any Illicit Drug Dependence or Abuse in Past Year among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

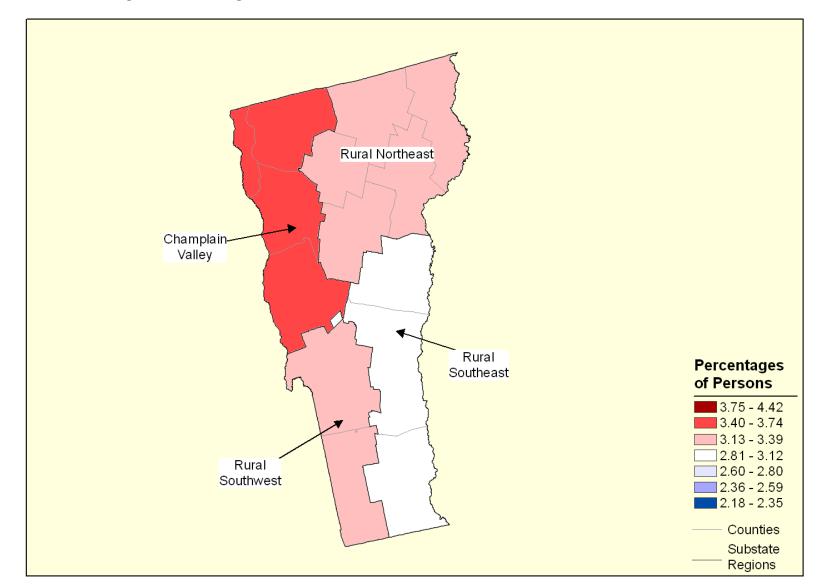


Figure 46.8.3 Dependence on or Abuse of Any Illicit Drug or Alcohol in Past Year among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

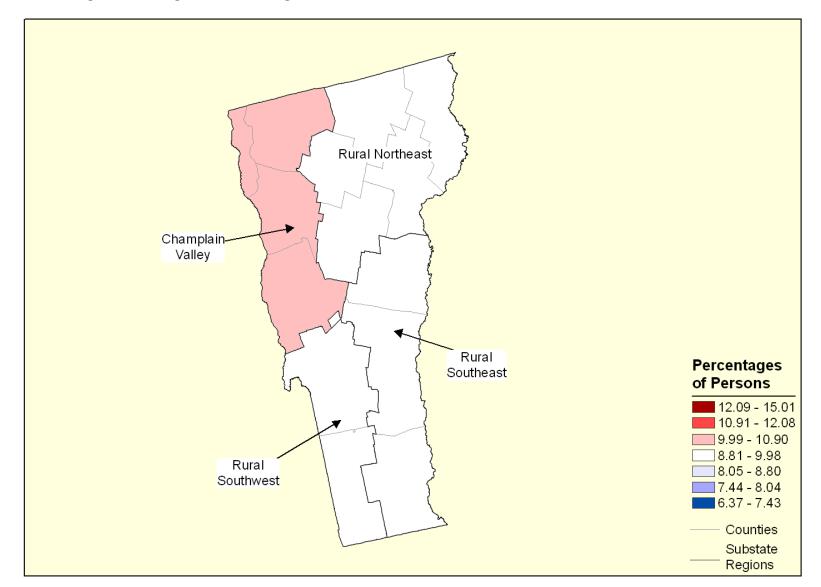


Figure 46.9.1 *Needing But Not Receiving Treatment for Alcohol Use in Past Year* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

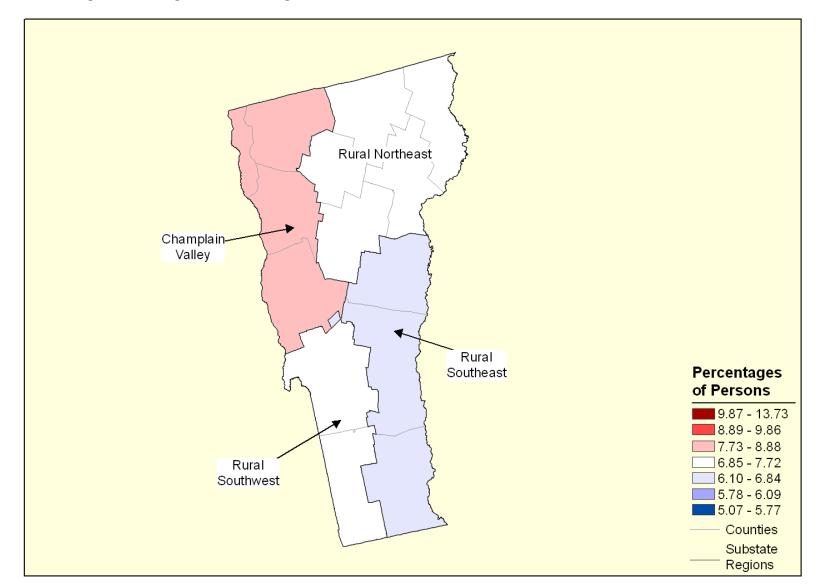


Figure 46.9.2 *Needing But Not Receiving Treatment for Illicit Drug Use in Past Year* among Persons Aged 12 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

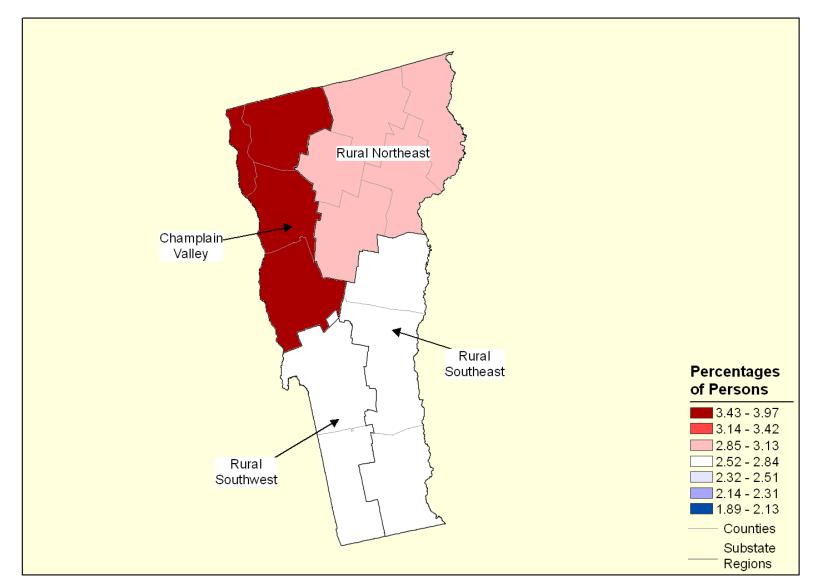


Figure 46.10 Serious Psychological Distress in Past Year among Persons Aged 18 or Older in Vermont, by Substate Region: Percentages, Annual Averages Based on 2002, 2003, and 2004 NSDUHs

