

## MICHIGAN

**Table 55 Selected Drug Use, Perceptions of Great Risk, Average Annual Marijuana Initiates, Past Year Substance Dependence or Abuse, Needing But Not Receiving Treatment, and Past Year Mental Health Measures in Michigan, by Age Group: Estimated Numbers (in Thousands), Annual Averages Based on 2009-2010 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLICIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1</sup>	862	87	249	526	775
Past Year Marijuana Use	1,085	118	358	610	968
Past Month Marijuana Use	701	67	220	414	634
Past Month Use of Illicit Drugs Other Than Marijuana <sup>1</sup>	313	36	94	183	277
Past Year Cocaine Use	138	7	50	81	131
Past Year Nonmedical Pain Reliever Use	460	53	147	260	407
Perception of Great Risk of Smoking Marijuana Once a Month	2,443	233	178	2,032	2,210
Average Annual Number of Marijuana Initiates <sup>2</sup>	96	43	48	4	52
<b>ALCOHOL</b>					
Past Month Alcohol Use	4,553	110	687	3,756	4,443
Past Month Binge Alcohol Use <sup>3</sup>	2,197	66	474	1,657	2,131
Perception of Great Risk of Drinking Five or More Drinks Once or Twice a Week	3,283	320	362	2,602	2,963
Past Month Alcohol Use (Persons Aged 12 to 20)	318 <sup>4</sup>	--	--	--	--
Past Month Binge Alcohol Use (Persons Aged 12 to 20) <sup>3</sup>	214 <sup>4</sup>	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>5</sup>	2,500	98	498	1,905	2,403
Past Month Cigarette Use	2,155	78	430	1,647	2,077
Perception of Great Risk of Smoking One or More Packs of Cigarettes per Day	5,676	527	687	4,463	5,150
<b>PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT<sup>6</sup></b>					
Illicit Drug Dependence <sup>1</sup>	156	19	60	77	137
Illicit Drug Dependence or Abuse <sup>1</sup>	228	36	84	109	192
Alcohol Dependence	304	14	66	223	290
Alcohol Dependence or Abuse	640	37	173	430	603
Alcohol or Illicit Drug Dependence or Abuse <sup>1</sup>	774	59	216	498	714
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,7</sup>	199	33	72	93	165
Needing But Not Receiving Treatment for Alcohol Use <sup>7</sup>	582	35	161	385	547
<b>PAST YEAR MENTAL HEALTH</b>					
Had at Least One Major Depressive Episode <sup>8</sup>	--	69	101	416	517
Serious Mental Illness <sup>9</sup>	--	--	44	262	306
Any Mental Illness <sup>10</sup>	--	--	208	1,269	1,476
Had Serious Thoughts of Suicide	--	--	76	236	311

-- Not available.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

NOTE: Estimates for any mental illness (AMI) and serious mental illness (SMI) presented in this table may differ from previously published AMI and SMI estimates because of revised estimation procedures. For details, see the NSDUH short report titled *Revised Estimates of Mental Illness from the National Survey on Drug Use and Health* at <http://samhsa.gov/data/default.aspx>.

<sup>1</sup> 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 include data from original methamphetamine questions but do not include new methamphetamine items 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*.

<sup>2</sup> Average annual number of marijuana initiates =  $X_1 \div 2$ , where  $X_1$  is the number of marijuana initiates in the past 24 months.

<sup>3</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.

<sup>4</sup> Underage drinking is defined for persons aged 12 to 20; therefore, the "Total" estimate reflects that age group and not persons aged 12 or older.

<sup>5</sup> Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

<sup>6</sup> Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

<sup>7</sup> Needing But Not Receiving Treatment refers to respondents classified as needing treatment for illicit drugs (or alcohol), but not receiving treatment for an illicit drug (or alcohol) problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers).

<sup>8</sup> 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 produce an estimate for those aged 12 or older. For more details, see Section A.11 in Appendix A of the report on *State Estimates of Substance Use and Mental Disorders from the 2009-2010 NSDUHs*.

<sup>9</sup> Serious mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)* and resulted in serious functional impairment.

<sup>10</sup> Any mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012; SMI and AMI Estimates Revised October 2013).

## MICHIGAN

**Table 56 Selected Drug Use, Perceptions of Great Risk, Average Annual Rates of First Use of Marijuana, Past Year Substance Dependence or Abuse, Needing But Not Receiving Treatment, and Past Year Mental Health Measures in Michigan, by Age Group: Percentages, Annual Averages Based on 2009-2010 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLCIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1</sup>	10.37	10.64	22.70	8.21	10.34
Past Year Marijuana Use	13.05	14.30	32.59	9.53	12.91
Past Month Marijuana Use	8.43	8.09	20.06	6.47	8.46
Past Month Use of Illicit Drugs Other Than Marijuana <sup>1</sup>	3.77	4.41	8.53	2.87	3.70
Past Year Cocaine Use	1.66	0.86	4.54	1.27	1.75
Past Year Nonmedical Pain Reliever Use	5.53	6.40	13.41	4.06	5.43
Perception of Great Risk of Smoking Marijuana Once a Month	29.36	28.40	16.21	31.75	29.47
Average Annual Rate of First Use of Marijuana <sup>2</sup>	2.19	6.04	8.93	0.15	1.43
<b>ALCOHOL</b>					
Past Month Alcohol Use	54.73	13.35	62.62	58.70	59.27
Past Month Binge Alcohol Use <sup>3</sup>	26.41	7.99	43.17	25.90	28.43
Perception of Great Risk of Drinking Five or More Drinks Once or Twice a Week	39.47	38.91	32.96	40.66	39.53
Past Month Alcohol Use (Persons Aged 12 to 20)	24.93 <sup>4</sup>	--	--	--	--
Past Month Binge Alcohol Use (Persons Aged 12 to 20) <sup>3</sup>	16.80 <sup>4</sup>	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>5</sup>	30.06	11.91	45.35	29.77	32.05
Past Month Cigarette Use	25.91	9.49	39.17	25.74	27.71
Perception of Great Risk of Smoking One or More Packs of Cigarettes per Day	68.24	64.08	62.54	69.75	68.69
<b>PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT<sup>6</sup></b>					
Illicit Drug Dependence <sup>1</sup>	1.88	2.33	5.46	1.21	1.83
Illicit Drug Dependence or Abuse <sup>1</sup>	2.75	4.40	7.62	1.70	2.56
Alcohol Dependence	3.66	1.73	6.05	3.49	3.87
Alcohol Dependence or Abuse	7.69	4.49	15.76	6.72	8.04
Alcohol or Illicit Drug Dependence or Abuse <sup>1</sup>	9.30	7.21	19.72	7.78	9.53
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,7</sup>	2.39	4.06	6.58	1.46	2.21
Needing But Not Receiving Treatment for Alcohol Use <sup>7</sup>	6.99	4.25	14.70	6.02	7.29
<b>PAST YEAR MENTAL HEALTH</b>					
Had at Least One Major Depressive Episode <sup>8</sup>	--	8.37	9.20	6.50	6.90
Serious Mental Illness <sup>9</sup>	--	--	3.97	4.10	4.08
Any Mental Illness <sup>10</sup>	--	--	18.92	19.83	19.70
Had Serious Thoughts of Suicide	--	--	6.90	3.68	4.15

-- Not available.

NOTE: Estimates are based on a survey-weighted hierarchical Bayes estimation approach.

NOTE: Estimates for any mental illness (AMI) and serious mental illness (SMI) presented in this table may differ from previously published AMI and SMI estimates because of revised estimation procedures. For details, see the NSDUH short report titled *Revised Estimates of Mental Illness from the National Survey on Drug Use and Health* at <http://samhsa.gov/data/default.aspx>.

<sup>1</sup> 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 include data from original methamphetamine questions but do not include new methamphetamine items 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*.

<sup>2</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.

<sup>3</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.

<sup>4</sup> Underage drinking is defined for persons aged 12 to 20; therefore, the "Total" estimate reflects that age group and not persons aged 12 or older.

<sup>5</sup> Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

<sup>6</sup> Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

<sup>7</sup> Needing But Not Receiving Treatment refers to respondents classified as needing treatment for illicit drugs (or alcohol), but not receiving treatment for an illicit drug (or alcohol) problem at a specialty facility (i.e., drug and alcohol rehabilitation facilities [inpatient or outpatient], hospitals [inpatient only], and mental health centers).

<sup>8</sup> 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 produce an estimate for those aged 12 or older. For more details, see Section A.11 in Appendix A of the report on *State Estimates of Substance Use and Mental Disorders from the 2009-2010 NSDUHs*.

<sup>9</sup> Serious mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)* and resulted in serious functional impairment.

<sup>10</sup> Any mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, that met the criteria found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders (DSM-IV)*.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2009 and 2010 (Revised March 2012; SMI and AMI Estimates Revised October 2013).