

## 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 2008-2009 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLCIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1</sup>	791	90	243	457	700
Past Year Marijuana Use	1,013	119	351	543	894
Past Month Marijuana Use	626	66	205	354	559
Past Month Use of Illicit Drugs Other Than Marijuana <sup>1</sup>	316	40	99	178	277
Past Year Cocaine Use	167	9	62	96	158
Past Year Nonmedical Pain Reliever Use	474	63	151	261	412
Perception of Great Risk of Smoking Marijuana Once a Month	2,632	265	191	2,175	2,366
Average Annual Number of Marijuana Initiates <sup>2</sup>	94	44	46	4	50
<b>ALCOHOL</b>					
Past Month Alcohol Use	4,553	123	692	3,738	4,430
Past Month Binge Alcohol Use <sup>3</sup>	2,110	72	468	1,570	2,039
Perception of Great Risk of Drinking Five or More Drinks Once or Twice a Week	3,270	328	345	2,597	2,942
Past Month Alcohol Use (Persons Aged 12 to 20)	349 <sup>4</sup>	--	--	--	--
Past Month Binge Alcohol Use (Persons Aged 12 to 20) <sup>3</sup>	233 <sup>4</sup>	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>5</sup>	2,536	109	499	1,929	2,428
Past Month Cigarette Use	2,180	87	433	1,660	2,093
Perception of Great Risk of Smoking One or More Packs of Cigarettes Per Day	5,749	547	689	4,513	5,202
<b>PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT<sup>6</sup></b>					
Illicit Drug Dependence <sup>1</sup>	171	23	64	84	148
Illicit Drug Dependence or Abuse <sup>1</sup>	247	39	89	119	208
Alcohol Dependence	285	16	74	195	269
Alcohol Dependence or Abuse	636	41	182	413	595
Alcohol or Illicit Drug Dependence or Abuse <sup>1</sup>	781	65	225	491	716
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,7</sup>	219	38	80	102	182
Needing But Not Receiving Treatment for Alcohol Use <sup>7</sup>	591	40	171	380	551
<b>PAST YEAR MENTAL HEALTH</b>					
Had at Least One Major Depressive Episode <sup>8,9</sup>	--	69	99	397	496
Serious Mental Illness <sup>9,10</sup>	--	--	91	299	390
Any Mental Illness <sup>9,11</sup>	--	--	362	1,177	1,539
Had Serious Thoughts of Suicide	--	--	83	236	320

-- Not available.

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

<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 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*.

<sup>2</sup> Average annual number of marijuana initiates =  $X_1 \div 2$ , where  $X_1$  is the number of marijuana initiates in 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 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 major depressive episode 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).

<sup>9</sup> For more details, see Section A.11 in Appendix A of the report on *State Estimates of Substance Use and Mental Disorders from the 2008-2009 NSDUHs*.

<sup>10</sup> Serious mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a 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>11</sup> Any mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a 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 (formerly the Office of Applied Studies), National Survey on Drug Use and Health, 2008 and 2009.

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**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 2008-2009 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLCIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1</sup>	9.49	10.70	22.37	7.14	9.36
Past Year Marijuana Use	12.16	14.13	32.26	8.49	11.94
Past Month Marijuana Use	7.51	7.85	18.90	5.53	7.47
Past Month Use of Illicit Drugs Other Than Marijuana <sup>1</sup>	3.80	4.71	9.08	2.78	3.70
Past Year Cocaine Use	2.00	1.05	5.72	1.50	2.11
Past Year Nonmedical Pain Reliever Use	5.69	7.44	13.87	4.07	5.50
Perception of Great Risk of Smoking Marijuana Once a Month	31.58	31.48	17.60	33.97	31.59
Average Annual Rate of First Use of Marijuana <sup>2</sup>	2.09	5.95	8.70	0.13	1.33
<b>ALCOHOL</b>					
Past Month Alcohol Use	54.64	14.56	63.64	58.38	59.15
Past Month Binge Alcohol Use <sup>3</sup>	25.33	8.50	43.10	24.52	27.22
Perception of Great Risk of Drinking Five or More Drinks Once or Twice a Week	39.24	38.88	31.76	40.56	39.28
Past Month Alcohol Use (Persons Aged 12 to 20)	26.75 <sup>4</sup>	--	--	--	--
Past Month Binge Alcohol Use (Persons Aged 12 to 20) <sup>3</sup>	17.80 <sup>4</sup>	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>5</sup>	30.44	12.89	45.90	30.12	32.42
Past Month Cigarette Use	26.17	10.35	39.82	25.93	27.95
Perception of Great Risk of Smoking One or More Packs of Cigarettes Per Day	69.00	64.97	63.42	70.48	69.45
<b>PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT<sup>6</sup></b>					
Illicit Drug Dependence <sup>1</sup>	2.05	2.68	5.85	1.32	1.98
Illicit Drug Dependence or Abuse <sup>1</sup>	2.97	4.66	8.15	1.87	2.78
Alcohol Dependence	3.42	1.95	6.82	3.04	3.59
Alcohol Dependence or Abuse	7.63	4.88	16.74	6.45	7.94
Alcohol or Illicit Drug Dependence or Abuse <sup>1</sup>	9.38	7.76	20.72	7.66	9.56
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,7</sup>	2.63	4.46	7.33	1.60	2.43
Needing But Not Receiving Treatment for Alcohol Use <sup>7</sup>	7.10	4.77	15.76	5.93	7.36
<b>PAST YEAR MENTAL HEALTH</b>					
Had at Least One Major Depressive Episode <sup>8,9</sup>	--	8.19	9.15	6.20	6.63
Serious Mental Illness <sup>9,10</sup>	--	--	8.37	4.68	5.21
Any Mental Illness <sup>9,11</sup>	--	--	33.28	18.39	20.55
Had Serious Thoughts of Suicide	--	--	7.67	3.69	4.27

-- Not available.

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

<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 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*.

<sup>2</sup> Average annual marijuana initiation rate =  $100 * \{ [X_1 + (0.5 * X_1 + X_2)] \div 2 \}$ , 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 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 major depressive episode 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).

<sup>9</sup> For more details, see Section A.11 in Appendix A of the report on *State Estimates of Substance Use and Mental Disorders from the 2008-2009 NSDUHs*.

<sup>10</sup> Serious mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a 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>11</sup> Any mental illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a 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 (formerly the Office of Applied Studies), National Survey on Drug Use and Health, 2008 and 2009.