

## 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 2013-2014 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLICIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1</sup>	975	78	278	619	897
Past Year Marijuana Use	1,304	120	391	793	1,183
Past Month Marijuana Use	851	64	258	528	787
Past Month Use of Illicit Drugs Other Than Marijuana <sup>1</sup>	263	24	76	163	239
Past Year Cocaine Use	87	3	35	49	85
Past Year Nonmedical Pain Reliever Use	333	37	103	193	296
Perception of Great Risk from Smoking Marijuana Once a Month	1,926	170	119	1,637	1,756
Average Annual Number of Marijuana Initiates <sup>2,3</sup>	102	46	48	8	56
<b>ALCOHOL</b>					
Past Month Alcohol Use	4,558	92	703	3,763	4,466
Past Month Binge Alcohol Use <sup>4</sup>	2,054	49	464	1,542	2,005
Perception of Great Risk from Drinking Five or More Drinks Once or Twice a Week	3,196	283	351	2,563	2,914
Past Month Alcohol Use (Individuals Aged 12 to 20)	290 <sup>5</sup>	--	--	--	--
Past Month Binge Alcohol Use (Individuals Aged 12 to 20) <sup>4</sup>	175 <sup>5</sup>	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>6</sup>	2,386	65	440	1,881	2,321
Past Month Cigarette Use	2,027	45	355	1,627	1,981
Perception of Great Risk from Smoking One or More Packs of Cigarettes per Day	5,618	507	689	4,422	5,111
<b>PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT<sup>7</sup></b>					
Illicit Drug Dependence <sup>1</sup>	144	14	45	84	130
Illicit Drug Dependence or Abuse <sup>1</sup>	205	26	67	112	179
Alcohol Dependence	253	8	67	179	246
Alcohol Dependence or Abuse	510	19	142	349	491
Alcohol or Illicit Drug Dependence or Abuse <sup>1</sup>	647	38	182	427	609
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,8</sup>	181	24	64	93	157
Needing But Not Receiving Treatment for Alcohol Use <sup>8</sup>	497	19	138	339	478
<b>PAST YEAR MENTAL HEALTH ISSUES</b>					
Major Depressive Episode <sup>3,9</sup>	--	84	105	396	501
Serious Mental Illness <sup>3,10</sup>	--	--	57	280	336
Any Mental Illness <sup>3,10</sup>	--	--	245	1,196	1,441
Had Serious Thoughts of Suicide <sup>11</sup>	--	--	94	246	340

-- 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 include data from original methamphetamine questions but do not include new methamphetamine items added in 2005 and 2006.

<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> For details, see Section B of the "2011-2012 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <http://www.samhsa.gov/data/>.

<sup>4</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>5</sup> Underage drinking is defined for individuals aged 12 to 20; therefore, the "12+" estimate reflects that age group and not individuals aged 12 or older.

<sup>6</sup> Tobacco Products include cigarettes, smokeless tobacco (i.e., chewing tobacco or snuff), cigars, or pipe tobacco.

<sup>7</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>8</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], or mental health centers).

<sup>9</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 an individual 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 adults aged 18 or older to produce an estimate for those aged 12 or older.

<sup>10</sup> Mental Illness is defined as having a diagnosable mental, behavioral, or emotional disorder, other than a developmental or substance use disorder, assessed by the Mental Health Surveillance Study (MHSS) *Structured Clinical Interview for the Diagnostic and Statistical Manual of Mental Disorders—Fourth Edition—Research Version—Axis I Disorders* (MHSS-SCID), which is based on the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV). Three categories of mental illness severity are defined based on the level of functional impairment: mild mental illness, moderate mental illness, and serious mental illness (SMI). Any mental illness (AMI) includes individuals in any of the three categories.

<sup>11</sup> Respondents were asked, "At any time in the past 12 months, did you seriously think about trying to kill yourself?" If they answered "Yes," they were categorized as having serious thoughts of suicide in the past year.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2013 and 2014.

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**Table 56 Selected Drug Use, Perceptions of Great Risk, Average Annual Incidence Estimates 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 2013-2014 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLICIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1</sup>	11.67	9.83	24.90	9.60	11.86
Past Year Marijuana Use	15.60	15.10	35.05	12.29	15.65
Past Month Marijuana Use	10.18	8.09	23.17	8.20	10.40
Past Month Use of Illicit Drugs Other Than Marijuana <sup>1</sup>	3.15	2.97	6.81	2.53	3.16
Past Year Cocaine Use	1.04	0.33	3.16	0.77	1.12
Past Year Nonmedical Pain Reliever Use	3.98	4.63	9.24	2.99	3.91
Perception of Great Risk from Smoking Marijuana Once a Month	23.02	21.37	10.64	25.39	23.19
Average Annual Incidence Estimates of First Use of Marijuana <sup>2,3</sup>	2.39	6.55	8.91	0.27	1.57
<b>ALCOHOL</b>					
Past Month Alcohol Use	54.52	11.56	63.02	58.37	59.06
Past Month Binge Alcohol Use <sup>4</sup>	24.58	6.15	41.58	23.92	26.52
Perception of Great Risk from Drinking Five or More Drinks Once or Twice a Week	38.23	35.44	31.45	39.76	38.53
Past Month Alcohol Use (Individuals Aged 12 to 20)	23.93 <sup>5</sup>	--	--	--	--
Past Month Binge Alcohol Use (Individuals Aged 12 to 20) <sup>4</sup>	14.47 <sup>5</sup>	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>6</sup>	28.54	8.17	39.45	29.18	30.69
Past Month Cigarette Use	24.24	5.68	31.84	25.23	26.20
Perception of Great Risk from Smoking One or More Packs of Cigarettes per Day	67.20	63.52	61.79	68.59	67.59
<b>PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT<sup>7</sup></b>					
Illicit Drug Dependence <sup>1</sup>	1.72	1.79	4.08	1.31	1.71
Illicit Drug Dependence or Abuse <sup>1</sup>	2.46	3.27	6.00	1.74	2.37
Alcohol Dependence	3.03	0.96	6.02	2.77	3.25
Alcohol Dependence or Abuse	6.11	2.44	12.77	5.41	6.49
Alcohol or Illicit Drug Dependence or Abuse <sup>1</sup>	7.74	4.70	16.36	6.62	8.06
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,8</sup>	2.17	3.06	5.71	1.45	2.07
Needing But Not Receiving Treatment for Alcohol Use <sup>8</sup>	5.94	2.35	12.42	5.26	6.32
<b>PAST YEAR MENTAL HEALTH ISSUES</b>					
Major Depressive Episode <sup>3,9</sup>	--	10.55	9.40	6.14	6.62
Serious Mental Illness <sup>3,10</sup>	--	--	5.11	4.34	4.45
Any Mental Illness <sup>3,10</sup>	--	--	21.95	18.55	19.05
Had Serious Thoughts of Suicide <sup>11</sup>	--	--	8.41	3.82	4.50

-- 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 include data from original methamphetamine questions but do not include new methamphetamine items added in 2005 and 2006.

<sup>2</sup> Average annual initiation of marijuana (%) =  $100 * \{ [X_1 \div (0.5 * X_1 + X_2)] \div 2 \}$ , where  $X_1$  is the number of marijuana initiates in the past 24 months and  $X_2$  is the number of individuals who never used marijuana (with the at-risk population defined as  $0.5 * X_1 + X_2$ ). Both of the computation components,  $X_1$  and  $X_2$ , are based on a survey-weighted hierarchical Bayes estimation approach. The age group shown is based on a respondent's age at the time of the interview, not his or her age at first use.

<sup>3</sup> For details, see Section B of the "2011-2012 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <http://www.samhsa.gov/data/>.

<sup>4</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>5</sup> Underage drinking is defined for individuals aged 12 to 20; therefore, the "12+" estimate reflects that age group and not individuals aged 12 or older.

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<sup>11</sup> Respondents were asked, "At any time in the past 12 months, did you seriously think about trying to kill yourself?" If they answered "Yes," they were categorized as having serious thoughts of suicide in the past year.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2013 and 2014.