

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 2012-2013 NSDUHs

Measure	12+	12-17	18-25	26+	18+
ILLICIT DRUGS					
Past Month Illicit Drug Use ¹	954	92	264	598	862
Past Year Marijuana Use	1,268	130	383	755	1,138
Past Month Marijuana Use	809	74	245	490	735
Past Month Use of Illicit Drugs Other Than Marijuana ¹	294	31	74	189	263
Past Year Cocaine Use	90	3	30	57	88
Past Year Nonmedical Pain Reliever Use	397	47	112	238	350
Perception of Great Risk of Smoking Marijuana Once a Month	2,016	184	137	1,694	1,831
Average Annual Number of Marijuana Initiates ²	102	48	48	7	54
ALCOHOL					
Past Month Alcohol Use	4,546	104	703	3,739	4,442
Past Month Binge Alcohol Use ³	2,027	52	462	1,514	1,975
Perception of Great Risk of Drinking Five or More Drinks Once or Twice a Week	3,367	303	357	2,707	3,064
Past Month Alcohol Use (Individuals Aged 12 to 20)	321 ⁴	--	--	--	--
Past Month Binge Alcohol Use (Individuals Aged 12 to 20) ³	198 ⁴	--	--	--	--
TOBACCO PRODUCTS					
Past Month Tobacco Product Use ⁵	2,468	78	458	1,932	2,390
Past Month Cigarette Use	2,107	58	379	1,670	2,050
Perception of Great Risk of Smoking One or More Packs of Cigarettes per Day	5,655	517	695	4,443	5,139
PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT⁶					
Illicit Drug Dependence ¹	165	18	55	93	148
Illicit Drug Dependence or Abuse ¹	250	33	75	142	217
Alcohol Dependence	275	10	65	200	265
Alcohol Dependence or Abuse	570	25	150	396	546
Alcohol or Illicit Drug Dependence or Abuse ¹	731	47	193	491	684
Needing But Not Receiving Treatment for Illicit Drug Use ^{1,7}	215	31	71	113	184
Needing But Not Receiving Treatment for Alcohol Use ⁷	552	24	146	381	528
PAST YEAR MENTAL HEALTH ISSUES					
Had at Least One Major Depressive Episode ^{8,9}	--	82	114	445	560
Serious Mental Illness ^{9,10}	--	--	59	294	353
Any Mental Illness ^{9,10}	--	--	233	1,277	1,509
Had Serious Thoughts of Suicide	--	--	99	242	341

-- Not available.

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

¹ 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.

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

³ 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.

⁴ 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.

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

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

⁷ 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).

⁸ 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 adults aged 18 or older to produce an estimate for those aged 12 or older.

⁹ 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/population-data-nsduh/reports?tab=33>.

¹⁰ 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.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012 and 2013.

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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 2012-2013 NSDUHs

Measure	12+	12-17	18-25	26+	18+
ILLICIT DRUGS					
Past Month Illicit Drug Use ¹	11.45	11.40	23.84	9.32	11.46
Past Year Marijuana Use	15.22	16.12	34.59	11.76	15.12
Past Month Marijuana Use	9.71	9.13	22.15	7.64	9.77
Past Month Use of Illicit Drugs Other Than Marijuana ¹	3.53	3.86	6.70	2.94	3.49
Past Year Cocaine Use	1.08	0.35	2.73	0.89	1.16
Past Year Nonmedical Pain Reliever Use	4.77	5.86	10.11	3.71	4.65
Perception of Great Risk of Smoking Marijuana Once a Month	24.16	22.87	12.36	26.39	24.30
Average Annual Incidence Estimates of First Use of Marijuana ²	2.42	6.98	8.71	0.25	1.53
ALCOHOL					
Past Month Alcohol Use	54.55	12.89	63.46	58.24	59.01
Past Month Binge Alcohol Use ³	24.33	6.44	41.69	23.58	26.24
Perception of Great Risk of Drinking Five or More Drinks Once or Twice a Week	40.40	37.62	32.27	42.16	40.70
Past Month Alcohol Use (Individuals Aged 12 to 20)	25.74 ⁴	--	--	--	--
Past Month Binge Alcohol Use (Individuals Aged 12 to 20) ³	15.89 ⁴	--	--	--	--
TOBACCO PRODUCTS					
Past Month Tobacco Product Use ⁵	29.62	9.65	41.35	30.10	31.75
Past Month Cigarette Use	25.29	7.14	34.27	26.02	27.23
Perception of Great Risk of Smoking One or More Packs of Cigarettes per Day	67.87	64.11	62.80	69.22	68.27
PAST YEAR DEPENDENCE, ABUSE, AND TREATMENT⁶					
Illicit Drug Dependence ¹	1.98	2.19	4.98	1.44	1.96
Illicit Drug Dependence or Abuse ¹	3.00	4.13	6.80	2.21	2.88
Alcohol Dependence	3.30	1.19	5.84	3.12	3.52
Alcohol Dependence or Abuse	6.85	3.07	13.53	6.17	7.25
Alcohol or Illicit Drug Dependence or Abuse ¹	8.77	5.82	17.43	7.65	9.09
Needing But Not Receiving Treatment for Illicit Drug Use ^{1,7}	2.58	3.80	6.37	1.77	2.44
Needing But Not Receiving Treatment for Alcohol Use ⁷	6.62	2.99	13.22	5.94	7.01
PAST YEAR MENTAL HEALTH ISSUES					
Had at Least One Major Depressive Episode ^{8,9}	--	10.19	10.30	6.94	7.43
Serious Mental Illness ^{9,10}	--	--	5.35	4.58	4.69
Any Mental Illness ^{9,10}	--	--	21.01	19.89	20.05
Had Serious Thoughts of Suicide	--	--	8.90	3.78	4.53

-- Not available.

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

¹ 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.

² 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. 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.

³ 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.

⁴ 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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⁷ 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).

⁸ 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 adults aged 18 or older to produce an estimate for those aged 12 or older.

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Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2012 and 2013.