

MICHIGAN

Table 55 Selected Drug Use, Perceptions of Great Risk, Past Year Substance Use Disorder and Treatment, and Past Year Mental Health Measures in Michigan, by Age Group: Estimated Numbers (in Thousands), Annual Averages Based on 2016-2017 NSDUHs

Measure	12+	12-17	18-25	26+	18+
ILLICIT DRUGS					
Past Month Illicit Drug Use ^{1,2}	1,129	72	292	765	1,056
Past Year Marijuana Use	1,406	109	418	879	1,297
Past Month Marijuana Use	979	60	267	652	919
Perceptions of Great Risk from Smoking Marijuana Once a Month	1,845	181	108	1,556	1,664
First Use of Marijuana ^{3,4}	106	41	48	17	65
Past Month Illicit Drug Use Other Than Marijuana ^{1,2}	310	20	80	211	291
Past Year Cocaine Use	143	3	52	87	140
Perceptions of Great Risk from Using Cocaine Once a Month	6,150	413	710	5,026	5,736
Past Year Heroin Use	26	0	6	20	26
Perceptions of Great Risk from Trying Heroin Once or Twice	7,278	493	916	5,868	6,785
Past Year Methamphetamine Use	34	1	8	25	33
Past Year Misuse of Pain Relievers ²	369	27	78	264	342
ALCOHOL					
Past Month Alcohol Use	4,482	83	648	3,750	4,399
Past Month Binge Alcohol Use ⁵	2,120	42	431	1,647	2,078
Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	3,354	314	373	2,666	3,040
Past Month Alcohol Use ⁶ (Individuals Aged 12 to 20)	269	--	--	--	--
Past Month Binge Alcohol Use ^{5,6} (Individuals Aged 12 to 20)	169	--	--	--	--
TOBACCO PRODUCTS					
Past Month Tobacco Product Use ⁷	2,206	43	334	1,830	2,164
Past Month Cigarette Use	1,823	28	259	1,536	1,795
Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	5,801	525	723	4,554	5,276
PAST YEAR SUBSTANCE USE DISORDER AND TREATMENT					
Illicit Drug Use Disorder ^{1,2,8}	250	22	79	148	227
Pain Reliever Use Disorder ^{2,8}	62	4	11	48	59
Alcohol Use Disorder ⁸	462	14	106	342	449
Substance Use Disorder ^{1,2,8}	637	30	159	448	608
Needing But Not Receiving Treatment for Illicit Drug Use ^{1,2,9}	210	20	68	122	190
Needing But Not Receiving Treatment for Alcohol Use ⁹	434	13	98	323	420
Needing But Not Receiving Treatment for Substance Use ^{1,2,9}	584	28	144	412	556
PAST YEAR MENTAL HEALTH ISSUES					
Serious Mental Illness ^{4,10}	--	--	73	276	349
Any Mental Illness ^{4,10}	--	--	265	1,140	1,405
Received Mental Health Services ¹¹	--	--	169	1,089	1,257
Had Serious Thoughts of Suicide ¹²	--	--	103	203	306
Major Depressive Episode ^{4,13}	--	107	130	415	546

-- Not available.

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

NOTE: Estimated numbers appearing as 0 in this table mean that the estimate is greater than 0 but less than 500 because estimated numbers are shown in thousands.

¹ Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Illicit Drug Use Other Than Marijuana includes the misuse of prescription psychotherapeutics or the use of cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine.² Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.³ First Use of Marijuana is defined as follows: *Average annual number of marijuana initiates* = $X_1 \div 2$, where X_1 is the number of marijuana initiates in the past 24 months.⁴ For details, see Section B of the "2016-2017 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.⁵ Binge Alcohol Use is defined as drinking five or more drinks (for males) or four or more drinks (for females) 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.⁶ 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.⁷ Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.⁸ Substance Use Disorder is defined as meeting criteria for illicit drug or alcohol dependence or abuse. Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).⁹ Respondents were classified as needing substance use treatment if they met the criteria for illicit drug or alcohol use disorder as defined in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) or received treatment for illicit drug or alcohol use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). Needing But Not Receiving Substance Use Treatment refers to respondents who are classified as needing illicit drug or alcohol treatment, but who did not receive illicit drug or alcohol treatment at a specialty facility.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). Any mental illness (AMI) includes adults with any mental disorder regardless of whether their disorder resulted in functional impairment. Serious mental illness (SMI) includes adults with any mental disorder that resulted in serious functional impairment.¹¹ Mental health services are defined as having received inpatient treatment/counseling or outpatient treatment/counseling or having used prescription medication for problems with emotions, nerves, or mental health. Respondents were not to include treatment for drug or alcohol use.¹² 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.¹³ Major depressive episode (MDE) is defined as in the 5th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-5), 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.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2016 and 2017.

MICHIGAN

Table 56 Selected Drug Use, Perceptions of Great Risk, Past Year Substance Use Disorder and Treatment, and Past Year Mental Health Measures in Michigan, by Age Group: Percentages, Annual Averages Based on 2016-2017 NSDUHs

Measure	12+	12-17	18-25	26+	18+
ILLCIT DRUGS					
Past Month Illicit Drug Use ^{1,2}	13.39	9.40	26.48	11.67	13.80
Past Year Marijuana Use	16.69	14.15	38.00	13.41	16.94
Past Month Marijuana Use	11.61	7.73	24.24	9.95	12.00
Perceptions of Great Risk from Smoking Marijuana Once a Month	21.88	23.50	9.81	23.74	21.72
First Use of Marijuana ^{3,4}	2.46	6.02	8.91	0.58	1.80
Past Month Illicit Drug Use Other Than Marijuana ^{1,2}	3.68	2.58	7.23	3.22	3.80
Past Year Cocaine Use	1.70	0.44	4.75	1.33	1.82
Perceptions of Great Risk from Using Cocaine Once a Month	72.99	53.65	64.53	76.67	74.92
Past Year Heroin Use	0.31	0.06	0.52	0.30	0.33
Perceptions of Great Risk from Trying Heroin Once or Twice	86.39	63.98	83.21	89.52	88.61
Past Year Methamphetamine Use	0.41	0.14	0.76	0.38	0.44
Past Year Misuse of Pain Relievers ²	4.37	3.50	7.10	4.02	4.46
ALCOHOL					
Past Month Alcohol Use	53.18	10.76	58.90	57.21	57.45
Past Month Binge Alcohol Use ⁵	25.16	5.46	39.18	25.12	27.14
Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	39.79	40.74	33.91	40.67	39.70
Past Month Alcohol Use ⁶ (Individuals Aged 12 to 20)	22.47	--	--	--	--
Past Month Binge Alcohol Use ^{5,6} (Individuals Aged 12 to 20)	14.15	--	--	--	--
TOBACCO PRODUCTS					
Past Month Tobacco Product Use ⁷	26.18	5.52	30.32	27.91	28.26
Past Month Cigarette Use	21.63	3.68	23.56	23.42	23.44
Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	68.84	68.13	65.64	69.46	68.91
PAST YEAR SUBSTANCE USE DISORDER AND TREATMENT					
Illicit Drug Use Disorder ^{1,2,8}	2.96	2.91	7.16	2.26	2.97
Pain Reliever Use Disorder ^{2,8}	0.74	0.49	0.98	0.73	0.77
Alcohol Use Disorder ⁸	5.49	1.81	9.64	5.22	5.86
Substance Use Disorder ^{1,2,8}	7.56	3.87	14.47	6.84	7.93
Needing But Not Receiving Treatment for Illicit Drug Use ^{1,2,9}	2.49	2.59	6.21	1.86	2.48
Needing But Not Receiving Treatment for Alcohol Use ⁹	5.15	1.71	8.87	4.93	5.49
Needing But Not Receiving Treatment for Substance Use ^{1,2,9}	6.93	3.63	13.12	6.28	7.26
PAST YEAR MENTAL HEALTH ISSUES					
Serious Mental Illness ^{4,10}	--	--	6.64	4.21	4.56
Any Mental Illness ^{4,10}	--	--	24.05	17.39	18.34
Received Mental Health Services ¹¹	--	--	15.31	16.61	16.42
Had Serious Thoughts of Suicide ¹²	--	--	9.33	3.10	3.99
Major Depressive Episode ^{4,13}	--	13.87	11.85	6.34	7.13

-- Not available.

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

¹ Illicit Drug Use includes the misuse of prescription psychotherapeutics or the use of marijuana, cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine. Illicit Drug Use Other Than Marijuana includes the misuse of prescription psychotherapeutics or the use of cocaine (including crack), heroin, hallucinogens, inhalants, or methamphetamine.² Misuse of prescription psychotherapeutics is defined as use in any way not directed by a doctor, including use without a prescription of one's own; use in greater amounts, more often, or longer than told; or use in any other way not directed by a doctor. Prescription psychotherapeutics do not include over-the-counter drugs.³ First Use of Marijuana is defined as follows: $Average\ annual\ initiation\ of\ marijuana\ (\%) = 100 * \{ [X_1 \div (0.5 * X_1 + X_2)] \div 2 \}$, 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.⁴ For details, see Section B of the "2016-2017 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.⁵ Binge Alcohol Use is defined as drinking five or more drinks (for males) or four or more drinks (for females) 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.⁶ 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.⁷ Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.⁸ Substance Use Disorder is defined as meeting criteria for illicit drug or alcohol dependence or abuse. Dependence or abuse is based on definitions found in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV).⁹ Respondents were classified as needing substance use treatment if they met the criteria for illicit drug or alcohol use disorder as defined in the 4th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-IV) or received treatment for illicit drug or alcohol use at a specialty facility (i.e., drug and alcohol rehabilitation facility [inpatient or outpatient], hospital [inpatient only], or mental health center). Needing But Not Receiving Substance Use Treatment refers to respondents who are classified as needing illicit drug or alcohol treatment, but who did not receive illicit drug or alcohol treatment at a specialty facility.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). Any mental illness (AMI) includes adults with any mental disorder regardless of whether their disorder resulted in functional impairment. Serious mental illness (SMI) includes adults with any mental disorder that resulted in serious functional impairment.¹¹ Mental health services are defined as having received inpatient treatment/counseling or outpatient treatment/counseling or having used prescription medication for problems with emotions, nerves, or mental health. Respondents were not to include treatment for drug or alcohol use.¹² 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.¹³ Major depressive episode (MDE) is defined as in the 5th edition of the *Diagnostic and Statistical Manual of Mental Disorders* (DSM-5), 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.

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