

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 2015-2016 NSDUHs

Measure	12+	12-17	18-25	26+	18+
ILLCIT DRUGS					
Past Month Illicit Drug Use ^{1,2}	1,024	76	272	677	948
Past Year Marijuana Use	1,317	112	384	821	1,205
Past Month Marijuana Use	886	62	245	579	824
Perceptions of Great Risk from Smoking Marijuana Once a Month	1,969	181	128	1,661	1,788
First Use of Marijuana ^{3,4}	98	39	44	16	60
Past Month Illicit Drug Use Other Than Marijuana ^{1,2}	284	21	81	182	263
Past Year Cocaine Use	121	3	42	76	118
Perceptions of Great Risk from Using Cocaine Once a Month	6,121	417	712	4,992	5,704
Past Year Heroin Use	30	1	7	22	29
Perceptions of Great Risk from Trying Heroin Once or Twice	7,177	496	903	5,778	6,681
Past Year Misuse of Pain Relievers ^{2,5}	408	31	96	281	377
ALCOHOL					
Past Month Alcohol Use	4,472	81	660	3,731	4,391
Past Month Binge Alcohol Use ⁶	2,133	48	444	1,641	2,085
Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	3,285	309	364	2,612	2,976
Past Month Alcohol Use ⁷ (Individuals Aged 12 to 20)	248	--	--	--	--
Past Month Binge Alcohol Use ^{6,7} (Individuals Aged 12 to 20)	168	--	--	--	--
TOBACCO PRODUCTS					
Past Month Tobacco Product Use ⁸	2,249	52	377	1,820	2,197
Past Month Cigarette Use	1,855	36	298	1,522	1,820
Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	5,841	523	728	4,590	5,317
PAST YEAR SUBSTANCE USE DISORDER AND TREATMENT					
Illicit Drug Use Disorder ^{1,2,9}	257	27	84	146	229
Pain Reliever Use Disorder ^{2,5,9}	66	4	13	49	62
Alcohol Use Disorder ⁹	483	18	120	345	465
Substance Use Disorder ^{1,2,9}	652	37	173	442	615
Needing But Not Receiving Treatment for Illicit Drug Use ^{1,2,10}	230	25	77	128	205
Needing But Not Receiving Treatment for Alcohol Use ¹⁰	457	18	107	332	439
Needing But Not Receiving Treatment for Substance Use ^{1,2,10}	615	35	159	421	580
PAST YEAR MENTAL HEALTH ISSUES					
Serious Mental Illness ^{4,11}	--	--	65	274	339
Any Mental Illness ^{4,11}	--	--	242	1,078	1,320
Received Mental Health Services ¹²	--	--	166	1,062	1,228
Had Serious Thoughts of Suicide ¹³	--	--	93	206	298
Major Depressive Episode ^{4,14}	--	103	126	396	521

-- 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 "2015-2016 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.⁵ Prescription psychotherapeutic subtypes were revised in 2016; one effect was the comparability of codeine products between 2015 and 2016.⁶ 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. In 2015, the definition for females changed from five to four drinks.⁷ 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.⁸ Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.⁹ 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).¹⁰ Respondents were classified as needing treatment for a substance use problem if they met the criteria for a substance 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).¹¹ 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.¹² 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.¹³ 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.¹⁴ 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.

Source: SAMHSA, Center for Behavioral Health Statistics and Quality, National Survey on Drug Use and Health, 2015 and 2016.

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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 2015-2016 NSDUHs

Measure	12+	12-17	18-25	26+	18+
ILLICIT DRUGS					
Past Month Illicit Drug Use ^{1,2}	12.19	9.75	24.52	10.39	12.44
Past Year Marijuana Use	15.68	14.36	34.60	12.61	15.81
Past Month Marijuana Use	10.55	7.98	22.07	8.89	10.81
Perceptions of Great Risk from Smoking Marijuana Once a Month	23.43	23.21	11.53	25.50	23.45
First Use of Marijuana ^{3,4}	2.29	5.74	8.06	0.54	1.65
Past Month Illicit Drug Use Other Than Marijuana ^{1,2}	3.38	2.64	7.33	2.79	3.45
Past Year Cocaine Use	1.45	0.44	3.79	1.17	1.55
Perceptions of Great Risk from Using Cocaine Once a Month	72.88	53.45	64.23	76.66	74.85
Past Year Heroin Use	0.35	0.09	0.63	0.34	0.38
Perceptions of Great Risk from Trying Heroin Once or Twice	85.47	63.62	81.46	88.73	87.67
Past Year Misuse of Pain Relievers ^{2,5}	4.85	3.99	8.65	4.31	4.94
ALCOHOL					
Past Month Alcohol Use	53.24	10.39	59.58	57.30	57.63
Past Month Binge Alcohol Use ⁶	25.40	6.20	40.09	25.20	27.36
Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	39.10	39.67	32.83	40.11	39.04
Past Month Alcohol Use ⁷ (Individuals Aged 12 to 20)	20.96	--	--	--	--
Past Month Binge Alcohol Use ^{6,7} (Individuals Aged 12 to 20)	14.18	--	--	--	--
TOBACCO PRODUCTS					
Past Month Tobacco Product Use ⁸	26.78	6.63	34.00	27.96	28.84
Past Month Cigarette Use	22.09	4.58	26.86	23.37	23.88
Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	69.54	67.15	65.65	70.48	69.78
PAST YEAR SUBSTANCE USE DISORDER AND TREATMENT					
Illicit Drug Use Disorder ^{1,2,9}	3.05	3.48	7.56	2.24	3.01
Pain Reliever Use Disorder ^{2,5,9}	0.78	0.50	1.19	0.75	0.81
Alcohol Use Disorder ⁹	5.75	2.36	10.83	5.30	6.10
Substance Use Disorder ^{1,2,9}	7.77	4.75	15.62	6.79	8.08
Needing But Not Receiving Treatment for Illicit Drug Use ^{1,2,10}	2.74	3.17	6.97	1.97	2.70
Needing But Not Receiving Treatment for Alcohol Use ¹⁰	5.44	2.32	9.63	5.10	5.76
Needing But Not Receiving Treatment for Substance Use ^{1,2,10}	7.33	4.55	14.35	6.46	7.61
PAST YEAR MENTAL HEALTH ISSUES					
Serious Mental Illness ^{4,11}	--	--	5.83	4.21	4.44
Any Mental Illness ^{4,11}	--	--	21.87	16.55	17.33
Received Mental Health Services ¹²	--	--	14.95	16.31	16.12
Had Serious Thoughts of Suicide ¹³	--	--	8.35	3.16	3.91
Major Depressive Episode ^{4,14}	--	13.27	11.34	6.08	6.84

-- 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 "2015-2016 NSDUH: Guide to State Tables and Summary of Small Area Estimation Methodology" at <https://www.samhsa.gov/data/>.⁵ Prescription psychotherapeutic subtypes were revised in 2016; one effect was the comparability of codeine products between 2015 and 2016.⁶ 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. In 2015, the definition for females changed from five to four drinks.⁷ 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.⁸ Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.⁹ 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).¹⁰ Respondents were classified as needing treatment for a substance use problem if they met the criteria for a substance 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).¹¹ 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.¹² 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.¹³ 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.¹⁴ 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.

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