

## KENTUCKY

**Table 45 Selected Drug Use, Perceptions of Great Risk, Past Year Substance Use Disorder and Treatment, and Past Year Mental Health Measures in Kentucky, by Age Group: Estimated Numbers (in Thousands), Annual Averages Based on 2015-2016 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLICIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1,2</sup>	320	27	85	207	293
Past Year Marijuana Use	470	42	139	290	428
Past Month Marijuana Use	258	21	74	163	237
Perceptions of Great Risk from Smoking Marijuana Once a Month	1,020	99	64	858	921
First Use of Marijuana <sup>3,4</sup>	39	16	18	5	23
Past Month Illicit Drug Use Other Than Marijuana <sup>1,2</sup>	118	8	30	80	110
Past Year Cocaine Use	60	2	24	35	59
Perceptions of Great Risk from Using Cocaine Once a Month	2,753	200	318	2,236	2,554
Past Year Heroin Use	17	0	4	13	17
Perceptions of Great Risk from Trying Heroin Once or Twice	3,198	227	398	2,572	2,971
Past Year Misuse of Pain Relievers <sup>2,5</sup>	176	13	39	123	162
<b>ALCOHOL</b>					
Past Month Alcohol Use	1,505	32	239	1,234	1,473
Past Month Binge Alcohol Use <sup>6</sup>	812	19	165	628	793
Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	1,557	143	167	1,246	1,413
Past Month Alcohol Use <sup>7</sup> (Individuals Aged 12 to 20)	97	--	--	--	--
Past Month Binge Alcohol Use <sup>6,7</sup> (Individuals Aged 12 to 20)	65	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>8</sup>	1,260	33	205	1,023	1,228
Past Month Cigarette Use	1,039	22	168	849	1,017
Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	2,375	216	283	1,876	2,159
<b>PAST YEAR SUBSTANCE USE DISORDER AND TREATMENT</b>					
Illicit Drug Use Disorder <sup>1,2,9</sup>	109	11	35	63	98
Pain Reliever Use Disorder <sup>2,5,9</sup>	33	2	6	26	31
Alcohol Use Disorder <sup>9</sup>	198	7	47	143	191
Substance Use Disorder <sup>1,2,9</sup>	284	14	68	202	270
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,2,10</sup>	92	10	30	52	82
Needing But Not Receiving Treatment for Alcohol Use <sup>10</sup>	177	7	41	128	170
Needing But Not Receiving Treatment for Substance Use <sup>1,2,10</sup>	246	14	65	168	232
<b>PAST YEAR MENTAL HEALTH ISSUES</b>					
Serious Mental Illness <sup>4,11</sup>	--	--	28	147	175
Any Mental Illness <sup>4,11</sup>	--	--	100	637	737
Received Mental Health Services <sup>12</sup>	--	--	73	526	599
Had Serious Thoughts of Suicide <sup>13</sup>	--	--	44	125	170
Major Depressive Episode <sup>4,14</sup>	--	40	52	200	252

-- 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.

<sup>1</sup> 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.<sup>2</sup> 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.<sup>3</sup> 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.<sup>4</sup> 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/>.<sup>5</sup> Prescription psychotherapeutic subtypes were revised in 2016; one effect was the comparability of codeine products between 2015 and 2016.<sup>6</sup> 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.<sup>7</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>8</sup> Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.<sup>9</sup> 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).<sup>10</sup> 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).<sup>11</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). 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.<sup>12</sup> 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.<sup>13</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.<sup>14</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.

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

## KENTUCKY

**Table 46 Selected Drug Use, Perceptions of Great Risk, Past Year Substance Use Disorder and Treatment, and Past Year Mental Health Measures in Kentucky, by Age Group: Percentages, Annual Averages Based on 2015-2016 NSDUHs**

Measure	12+	12-17	18-25	26+	18+
<b>ILLICIT DRUGS</b>					
Past Month Illicit Drug Use <sup>1,2</sup>	8.71	8.04	18.15	7.24	8.78
Past Year Marijuana Use	12.79	12.30	29.45	10.11	12.84
Past Month Marijuana Use	7.02	6.13	15.79	5.69	7.11
Perceptions of Great Risk from Smoking Marijuana Once a Month	27.73	29.05	13.54	29.94	27.60
First Use of Marijuana <sup>3,4</sup>	1.83	5.04	7.17	0.31	1.28
Past Month Illicit Drug Use Other Than Marijuana <sup>1,2</sup>	3.21	2.41	6.34	2.78	3.29
Past Year Cocaine Use	1.65	0.59	5.09	1.21	1.75
Perceptions of Great Risk from Using Cocaine Once a Month	74.91	58.70	67.45	78.05	76.54
Past Year Heroin Use	0.47	0.04	0.86	0.45	0.51
Perceptions of Great Risk from Trying Heroin Once or Twice	87.02	66.83	84.58	89.79	89.05
Past Year Misuse of Pain Relievers <sup>2,5</sup>	4.78	3.90	8.31	4.30	4.87
<b>ALCOHOL</b>					
Past Month Alcohol Use	40.94	9.35	50.84	43.06	44.16
Past Month Binge Alcohol Use <sup>6</sup>	22.10	5.61	35.05	21.93	23.78
Perceptions of Great Risk from Having Five or More Drinks of an Alcoholic Beverage Once or Twice a Week	42.34	42.20	35.41	43.50	42.35
Past Month Alcohol Use <sup>7</sup> (Individuals Aged 12 to 20)	19.57	--	--	--	--
Past Month Binge Alcohol Use <sup>6,7</sup> (Individuals Aged 12 to 20)	13.16	--	--	--	--
<b>TOBACCO PRODUCTS</b>					
Past Month Tobacco Product Use <sup>8</sup>	34.28	9.61	43.43	35.71	36.80
Past Month Cigarette Use	28.27	6.51	35.74	29.63	30.49
Perceptions of Great Risk from Smoking One or More Packs of Cigarettes per Day	64.61	63.55	60.10	65.47	64.71
<b>PAST YEAR SUBSTANCE USE DISORDER AND TREATMENT</b>					
Illicit Drug Use Disorder <sup>1,2,9</sup>	2.97	3.31	7.51	2.18	2.94
Pain Reliever Use Disorder <sup>2,5,9</sup>	0.90	0.49	1.21	0.89	0.94
Alcohol Use Disorder <sup>9</sup>	5.38	2.08	10.04	5.00	5.71
Substance Use Disorder <sup>1,2,9</sup>	7.73	4.10	14.40	7.06	8.10
Needing But Not Receiving Treatment for Illicit Drug Use <sup>1,2,10</sup>	2.50	2.83	6.46	1.81	2.46
Needing But Not Receiving Treatment for Alcohol Use <sup>10</sup>	4.80	2.06	8.81	4.47	5.08
Needing But Not Receiving Treatment for Substance Use <sup>1,2,10</sup>	6.69	4.09	13.69	5.85	6.96
<b>PAST YEAR MENTAL HEALTH ISSUES</b>					
Serious Mental Illness <sup>4,11</sup>	--	--	5.89	5.14	5.25
Any Mental Illness <sup>4,11</sup>	--	--	21.20	22.23	22.08
Received Mental Health Services <sup>12</sup>	--	--	15.45	18.35	17.94
Had Serious Thoughts of Suicide <sup>13</sup>	--	--	9.36	4.38	5.08
Major Depressive Episode <sup>4,14</sup>	--	11.72	11.05	6.97	7.55

-- Not available.

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

<sup>1</sup> 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.<sup>2</sup> 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.<sup>3</sup> 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.<sup>4</sup> 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/>.<sup>5</sup> Prescription psychotherapeutic subtypes were revised in 2016; one effect was the comparability of codeine products between 2015 and 2016.<sup>6</sup> 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.<sup>7</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>8</sup> Tobacco Products include cigarettes, smokeless tobacco (i.e., snuff, dip, chewing tobacco, or "snus"), cigars, or pipe tobacco.<sup>9</sup> 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).<sup>10</sup> 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).<sup>11</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). 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.<sup>12</sup> 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.<sup>13</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.<sup>14</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.

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