

Mortality

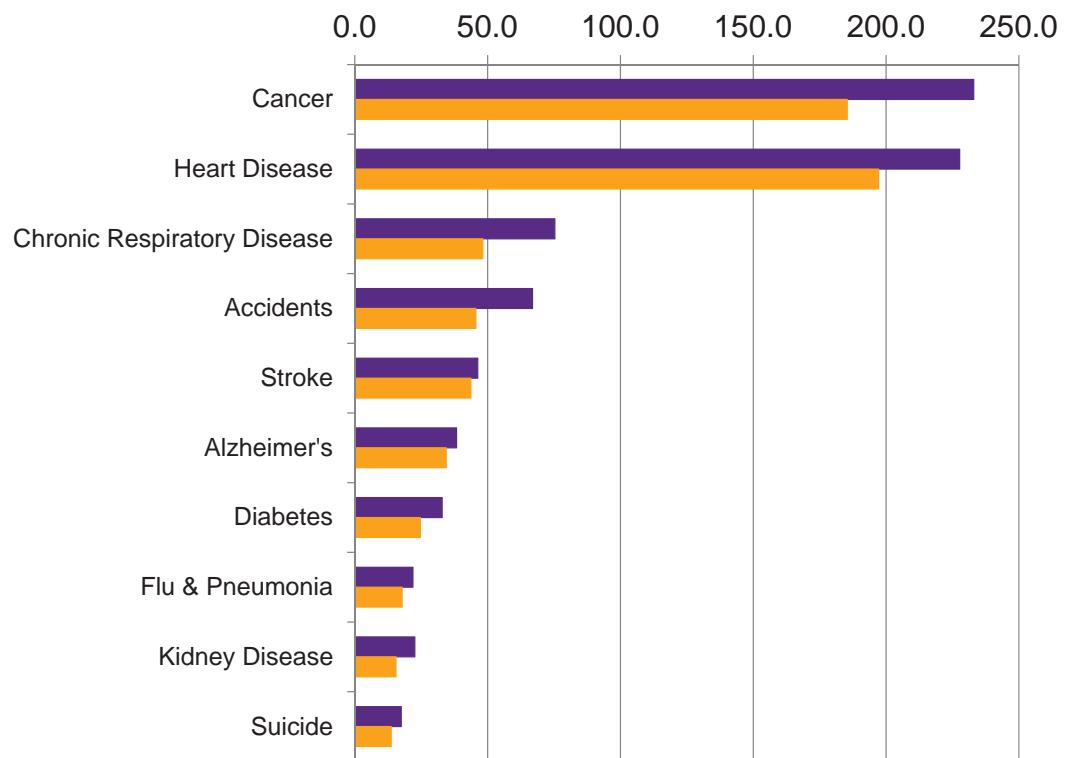
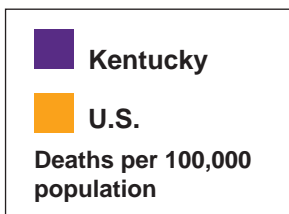
Mortality data are frequently used as indicators to assess a population's health status. According to the Centers for Disease Control and Prevention (CDC), in 2015, more than 2.7 million deaths were reported nationwide and 46,564 were reported in Kentucky. The age-adjusted U.S. death rate was 844.0 deaths per 100,000 standard population, representing a 5.5 percent increase from the number reported in 2010 (799.5). In Kentucky, the overall age-adjusted rate of 1,052.3 represented an 8.8 percent increase from 2010. (Source: Centers for Disease Control and Prevention, National Vital Statistics Reports)

Kentucky's age-adjusted death rate in 2015 was higher than the U.S. rate overall and for each of the leading causes of death. In Kentucky, and in the nation, heart disease, cancer and stroke accounted for more than half of all deaths. The top ten leading causes of death in 2015 were:

- Malignant neoplasms (cancer)
- Chronic lower respiratory diseases
- Cerebrovascular diseases (stroke)
- Diabetes mellitus
- Influenza and pneumonia
- Diseases of the heart
- Accidents (unintentional injuries)
- Alzheimer's disease
- Nephritis, nephritic syndrome and nephrosis (kidney disease)
- Suicide (in Kentucky, Septicemia ranks tenth)

According to the CDC, the life expectancy at birth for the U.S. total population was 78.8 years in 2015. Hispanic females have the highest life expectancy. Non-Hispanic black males have the lowest life expectancy. Life expectancy for females exceeds that of males in every category.

Age-Adjusted Death Rates, U.S. vs. Kentucky: 2015



	Cancer	Heart Disease	Chronic Respiratory Disease	Accidents	Stroke	Alzheimer's	Diabetes	Flu & Pneumonia	Kidney Disease	Suicide
KY	233.0	227.7	75.3	66.9	46.3	38.3	32.9	21.9	22.6	17.5
U.S.	185.4	197.2	48.2	45.6	43.7	34.4	24.7	17.8	15.5	13.7

Age-adjusted rates are per 100,000 U.S. standard population.

Source: 2015 age-adjusted death rates, CDC National Vital Statistics System

Age-Adjusted Death Rates

When compared with other states, Kentucky had the third highest age-adjusted death rate for cancer and fourth highest for respiratory disease and the fifth highest accidental death rate in the nation. The state ranked 12th in deaths due to heart disease, but only 20th in stroke deaths. Kentucky's high death rate is linked in large part to lifestyle factors, which predispose the population not only to death, but to chronic disease.

State Rankings - Age-Adjusted Death Rate for Leading Causes of Death: 2015

	All Causes		Heart Disease		Cancer		Respiratory		Accidents		Strokes	
	Age-adjusted Rate	Rank	Age-adjusted Rate	Rank	Age-adjusted Rate	Rank	Age-adjusted Rate	Rank	Age-adjusted Rate	Rank	Age-adjusted Rate	Rank
United States	844.0		197.2		185.4		48.2		45.6		43.7	
Alabama	1068.3	3	267.2	1	213.1	11	67.5	6	52.5	21	60.4	1
Alaska	584.5	50	114.6	51	132.4	50	27.6	48	52.5	22	24.6	51
Arizona	795.2	36	167.8	44	172.5	40	53.9	23	51.8	24	36.9	43
Arkansas	1061.6	5	266.5	2	225.9	4	76.2	3	51.6	25	55.5	5
California	662.2	49	156.6	46	152.3	47	34.8	46	32.0	50	38.5	36
Colorado	666.2	48	128.5	49	139.4	49	47.2	33	49.9	28	34.0	47
Connecticut	850.3	30	200.6	25	185.6	30	38.1	42	50.1	27	38.7	34
Delaware	907.3	22	205.1	23	212.5	13	53.9	24	47.5	33	49.3	13
District of Columbia	724.6	46	181.0	35	159.5	45	21.9	51	39.4	44	36.0	45
Florida	945.9	18	224.2	16	217.2	8	57.7	20	52.2	23	56.4	4
Georgia	782.6	40	174.0	39	165.9	44	45.1	36	42.5	40	42.4	28
Hawaii	772.1	44	182.0	34	172.0	43	23.2	50	37.4	46	51.3	9
Idaho	787.1	38	170.7	40	172.2	41	50.9	30	45.1	38	38.7	35
Illinois	831.0	32	199.5	26	192.2	27	43.1	38	37.7	45	44.4	26
Indiana	947.4	17	210.7	19	204.1	20	63.6	12	49.2	31	44.7	24
Iowa	947.5	16	218.1	17	208.5	17	64.4	9	79.2	2	45.4	22
Kansas	915.8	21	193.2	29	192.5	25	58.5	18	50.7	26	46.8	18
Kentucky	1052.3	6	227.7	12	233.0	3	75.3	4	66.9	5	46.3	20
Louisiana	936.0	20	228.3	11	201.2	22	46.6	34	55.2	18	48.8	15
Maine	1089.2	2	226.4	13	255.6	2	77.1	2	60.3	11	46.3	21
Maryland	786.6	39	191.1	31	175.9	37	34.0	47	31.7	51	42.3	29
Massachusetts	850.8	29	178.5	36	187.7	29	41.0	40	47.5	34	36.4	44
Michigan	958.8	15	249.9	7	208.9	16	58.9	17	46.8	36	47.0	17
Minnesota	779.7	42	142.9	48	180.8	33	42.8	39	46.9	35	40.8	31
Mississippi	1062.1	4	266.3	3	216.7	9	64.3	10	60.6	10	57.9	3
Missouri	984.1	11	243.4	8	213.1	12	64.7	8	54.4	20	49.9	12
Montana	962.5	13	203.7	24	206.2	19	65.7	7	61.7	7	44.3	27
Nebraska	882.8	28	189.4	32	185.3	31	61.9	15	42.1	41	40.9	30
Nevada	791.4	37	211.5	18	173.5	39	55.9	22	46.4	37	37.3	41
New Hampshire	900.6	23	193.2	30	208.4	18	53.0	26	61.3	9	34.3	46
New Jersey	806.8	35	208.2	21	181.6	32	35.7	45	35.9	48	38.1	38
New Mexico	848.2	31	168.2	42	172.2	42	53.2	25	68.6	3	37.7	39
New York	776.1	43	224.5	14	177.3	35	35.9	44	32.9	49	31.8	49
North Carolina	887.5	26	184.0	33	192.4	26	52.0	29	49.7	29	50.1	11
North Dakota	822.1	33	174.8	38	174.4	38	46.4	35	48.6	32	40.7	32
Ohio	1017.7	8	241.7	9	218.7	7	62.1	14	58.2	13	51.2	10
Oklahoma	1007.9	10	263.6	4	211.7	14	74.8	5	61.9	6	48.1	16
Oregon	886.2	27	170.2	41	200.9	23	52.6	27	49.6	30	46.5	19
Pennsylvania	1035.7	7	250.3	6	224.2	5	52.1	28	57.2	14	54.6	6
Rhode Island	962.1	14	224.5	15	210.7	15	48.3	32	61.4	8	37.3	42
South Carolina	964.0	12	206.1	22	203.2	21	59.4	16	55.9	15	53.1	7
South Dakota	900.6	24	199.3	27	191.0	28	58.5	19	54.6	19	44.6	25
Tennessee	1008.6	9	238.3	10	215.4	10	64.2	11	58.7	12	52.2	8
Texas	690.4	47	157.6	45	142.4	48	37.2	43	36.3	47	38.2	37
Utah	578.6	51	120.1	50	103.2	51	27.1	49	40.8	43	29.6	50
Vermont	945.5	19	209.4	20	223.5	6	57.0	21	55.3	17	49.0	14
Virginia	782.3	41	167.9	43	178.3	34	40.2	41	40.9	42	40.5	33
Washington	761.4	45	153.8	47	176.9	36	44.0	37	44.5	39	37.7	40
West Virginia	1233.8	1	256.3	5	262.4	1	88.3	1	82.2	1	58.5	2
Wisconsin	888.3	25	198.8	28	197.9	24	49.3	31	55.6	16	45.4	23
Wyoming	815.2	34	175.7	37	158.8	46	62.8	13	68.2	4	33.8	48

Source: CDC/NCHS, National Vital Statistics System

Health Status of Kentucky

Prevalence of Chronic Disease

Awareness - Adults who have ever been told by a physician that they have the stated condition

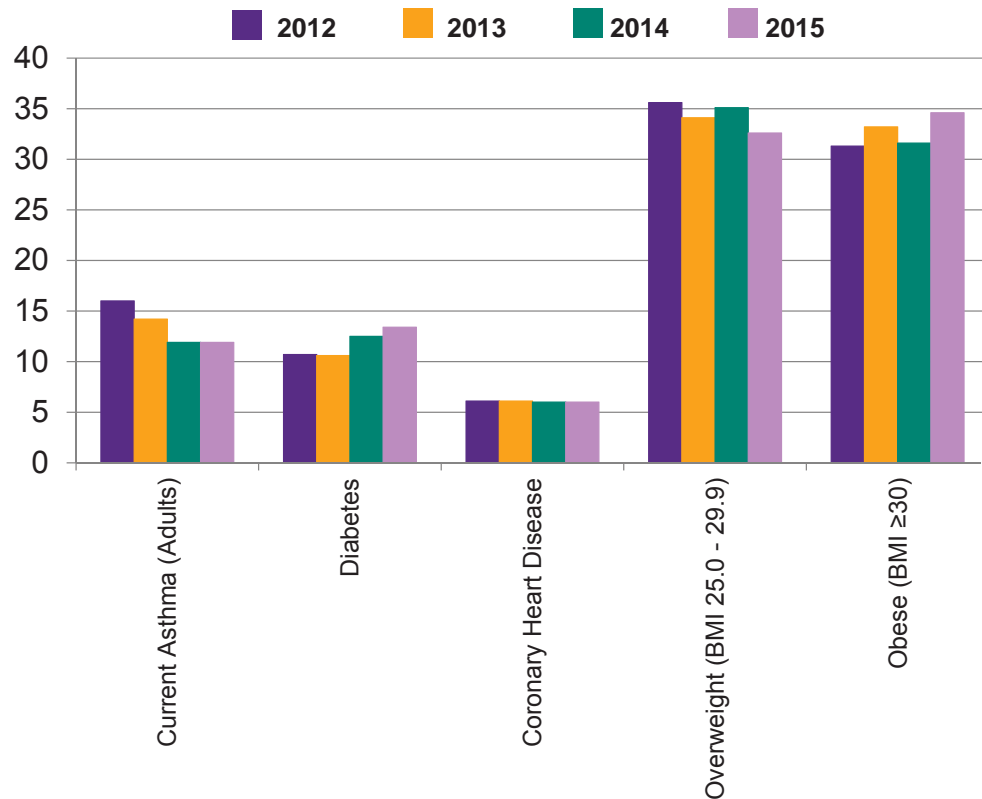
	Awareness of Chronic Conditions Among Adults: 2015							
	(Higher % is Worse)							
	% of Adults w Arthritis	Rank	% of Adults w Diabetes	Rank	% of Adults w Asthma	Rank	% of Adults w Heart Disease	Rank
United States	25.3		9.9		9.2		3.9	
Alabama	33.3	2	13.5	3	9.9	17	5.2	6
Alaska	21.2	46	7.6	48	9.3	24	2.9	47
Arizona	23.6	35	10.1	24	9.3	25	3.8	30
Arkansas	29.7	7	12.6	7	10.1	13	5.6	3
California	19.1	49	10.0	25	7.7	45	3.2	44
Colorado	22.7	43	6.8	51	9.0	29	2.6	49
Connecticut	24.5	32	9.3	31	10.5	8	3.6	36
Delaware	28.1	13	11.5	10	9.2	26	4.2	19
District of Columbia	18.5	51	8.5	39	10.6	7	2.6	50
Florida	25.9	25	11.3	15	7.5	48	4.7	13
Georgia	24.6	28	11.3	16	9.2	27	4.2	20
Hawaii	18.9	50	8.5	40	10.0	15	2.8	48
Idaho	25.3	26	8.1	45	9.1	28	3.1	46
Illinois	23.3	39	9.9	26	8.4	36	4.0	22
Indiana	27.6	16	11.4	13	10.2	9	5.2	7
Iowa	25.9	24	8.8	36	7.6	46	3.8	31
Kansas	24.5	31	9.7	29	8.7	35	3.8	32
Kentucky	32.0	4	13.4	4	11.9	1	6.0	2
Louisiana	27.9	14	12.7	5	8.2	38	5.3	4
Maine	31.0	5	9.9	27	11.2	2	5.3	5
Maryland	23.5	37	10.3	23	8.8	34	3.8	33
Massachusetts	24.2	34	8.9	35	10.2	10	3.9	25
Michigan	30.0	6	10.7	18	10.2	11	4.6	16
Minnesota	21.6	45	7.6	49	7.4	49	3.3	43
Mississippi	28.6	11	14.7	1	7.8	44	4.9	9
Missouri	29.3	9	11.5	11	9.6	20	4.8	11
Montana	26.8	21	7.9	47	8.9	33	3.2	45
Nebraska	23.5	36	8.8	37	7.2	50	4.0	23
Nevada	21.6	44	9.7	30	8.1	41	3.9	26
New Hampshire	26.6	22	8.1	46	10.1	14	3.9	27
New Jersey	22.9	42	9.0	33	7.2	51	3.7	35
New Mexico	24.5	30	11.5	12	9.9	18	3.6	37
New York	23.4	38	9.8	28	9.9	19	3.8	34
North Carolina	27.0	18	10.7	19	8.2	39	4.7	14
North Dakota	22.9	41	8.7	38	9.0	30	3.6	38
Ohio	28.4	12	11.0	17	10.0	16	4.2	21
Oklahoma	27.7	15	11.7	9	9.5	22	5.1	8
Oregon	26.8	20	10.7	20	11.2	3	3.9	28
Pennsylvania	29.3	8	10.4	21	10.2	12	4.7	15
Rhode Island	26.9	19	9.0	34	11.0	4	3.9	29
South Carolina	29.1	10	11.8	8	8.2	40	4.3	17
South Dakota	24.3	33	9.3	32	8.4	37	4.8	12
Tennessee	32.0	3	12.7	6	9.0	31	4.9	10
Texas	20.0	47	11.4	14	7.6	47	3.4	40
Utah	19.6	48	7.0	50	9.0	32	2.3	51
Vermont	27.0	17	8.2	44	11.0	5	4.3	18
Virginia	23.2	40	10.4	22	7.9	43	3.4	41
Washington	24.5	29	8.4	41	9.4	23	3.6	39
West Virginia	38.0	1	14.5	2	10.9	6	7.4	1
Wisconsin	24.7	27	8.4	42	9.6	21	4.0	24
Wyoming	25.9	23	8.4	43	8.0	42	3.4	42

Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Chronic Conditions

Kentucky scores poorly on the majority of indicators associated with chronic disease. The Behavioral Risk Factor Surveillance System (BRFSS) was developed by the Centers for Disease Control and Prevention (CDC) in 1984 and is used to collect data in all states on health risk behaviors, preventive health practices and other factors related to chronic disease and injury. The BRFSS contains prevalence rates, which represent the measured or estimated percentage of people (adjusted for population characteristics) reporting a chronic disease and engaging in behavioral risk factors linked to those conditions.

Prevalence and Estimates of Chronic Conditions in Kentucky: 2012-2015



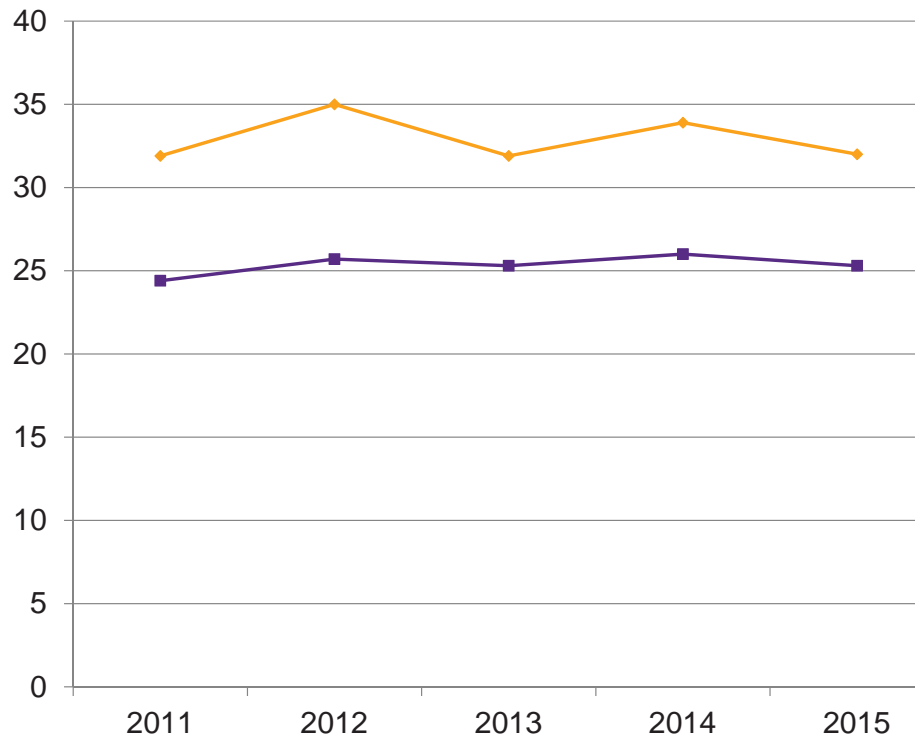
Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Arthritis

The CDC reported there are nearly 1.5 million adults in Kentucky with physician-diagnosed arthritis, and this number is expected to increase as the population ages. Kentucky has the third highest reported prevalence of arthritis when compared against all other states.

■ Kentucky
 ■ U.S.

	KY	U.S.
2011	31.9	24.4
2012	35.0	25.7
2013	31.9	25.3
2014	33.9	26.0
2015	32.0	25.3



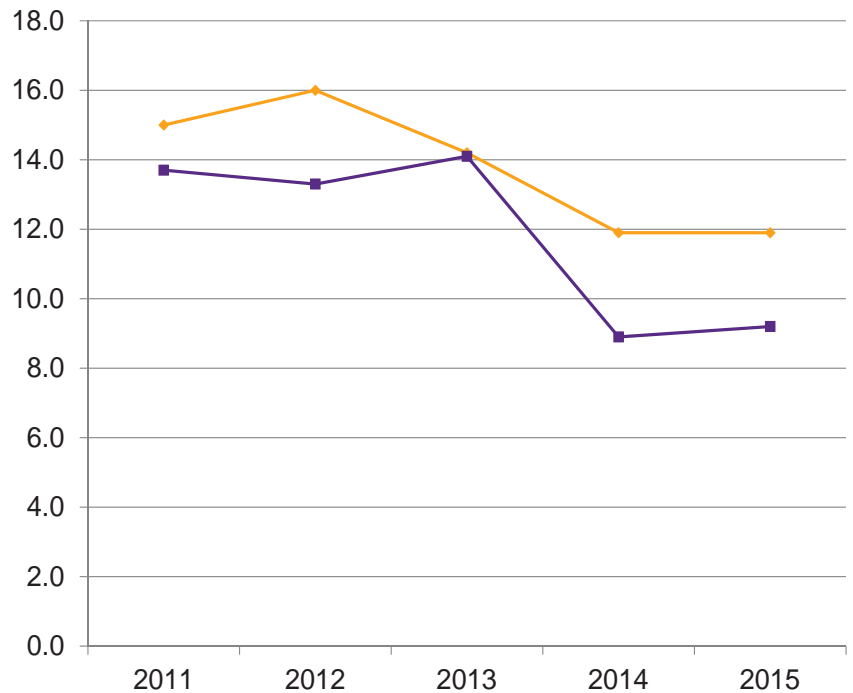
Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Asthma

Kentucky's asthma rate has dropped significantly. The state still has the second highest rate amongst all the states, but has shown steep declines, along with the nation as a whole.

■ Kentucky ■ U.S.

	KY	U.S.
2011	15.0	13.7
2012	16.0	13.3
2013	14.2	14.1
2014	11.9	8.9
2015	11.9	9.2



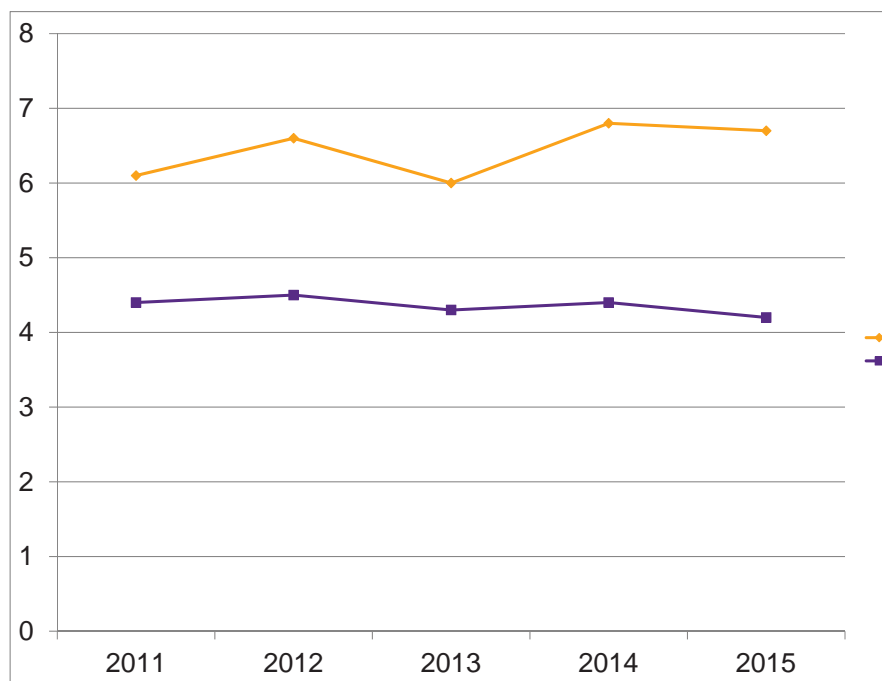
Cardiovascular Disease

Kentucky's rates for heart attack, heart disease and stroke are all significantly higher than the national rate.

Heart Attack

■ Kentucky ■ U.S.

	Heart Attack	
	KY	U.S.
2011	6.1	4.4
2012	6.6	4.5
2013	6.0	4.3
2014	6.8	4.4
2015	6.7	4.2



Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

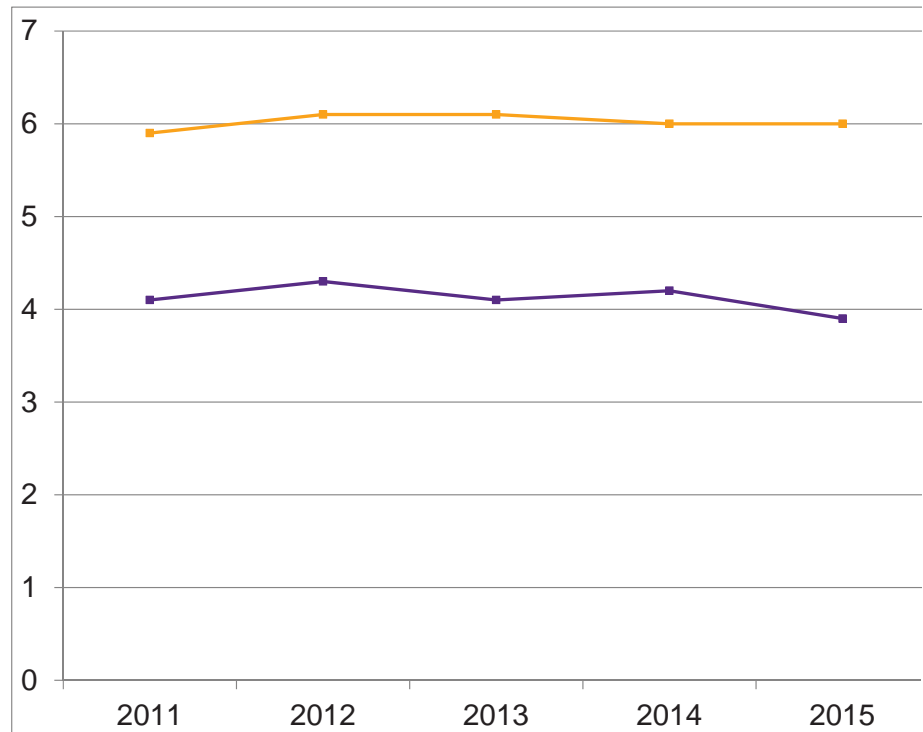
Cardiovascular Disease - continued

Kentucky's rates for heart attack, heart disease and stroke are all significantly higher than the national rate.

Heart Disease

■ Kentucky ■ U.S.

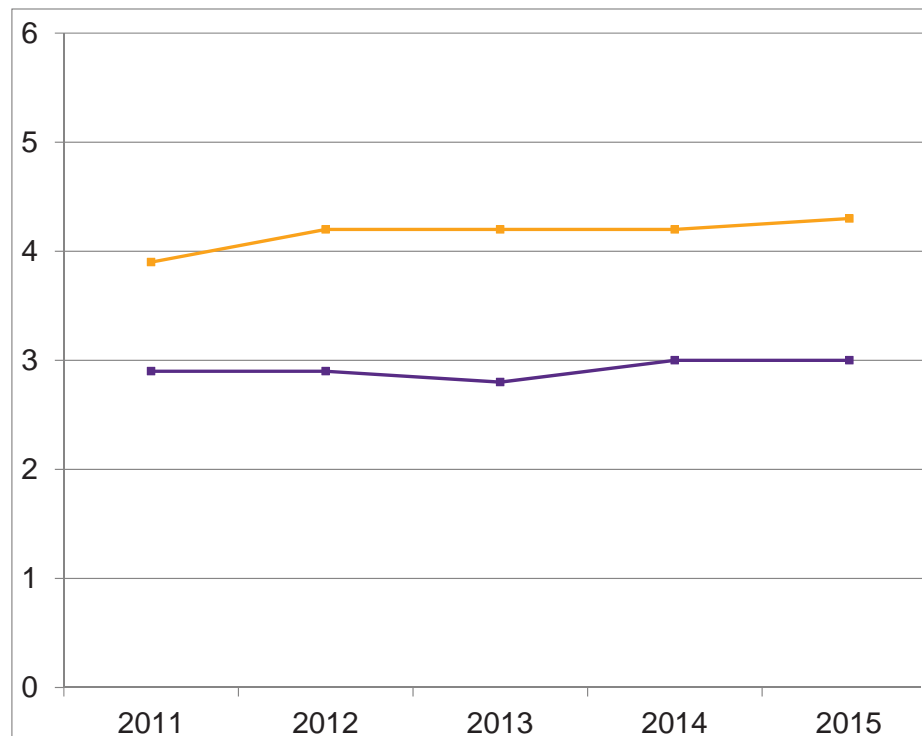
	Heart Disease	
	KY	U.S.
2011	5.9	4.1
2012	6.1	4.3
2013	6.1	4.1
2014	6.0	4.2
2015	6.0	3.9



Stroke

■ Kentucky ■ U.S.

	Stroke	
	KY	U.S.
2011	3.9	2.9
2012	4.2	2.9
2013	4.2	2.8
2014	4.2	3.0
2015	4.3	3.0



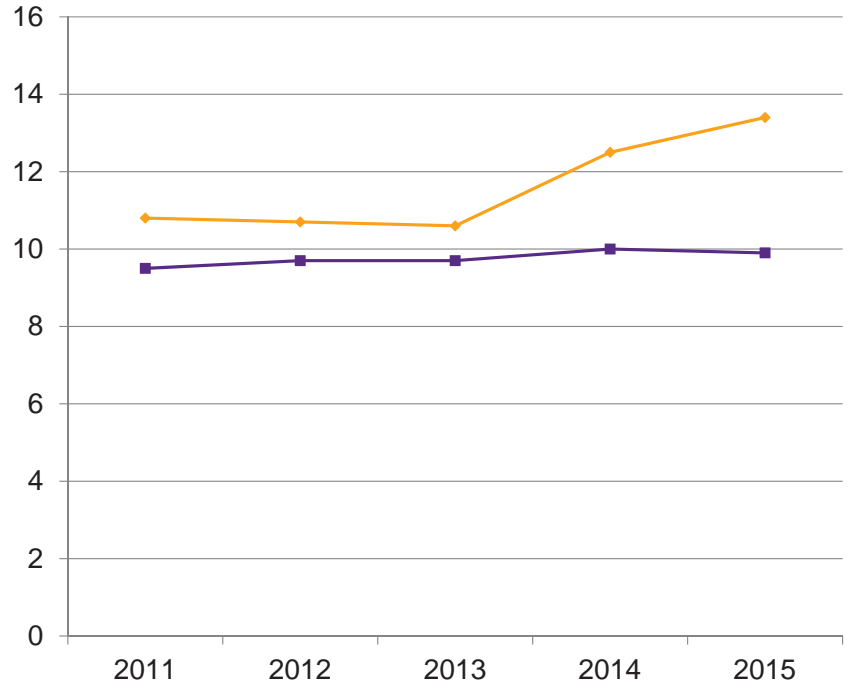
Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Diabetes

Kentucky's population has one of the highest rates of adult diabetes, ranking 16th highest among all states. In 2014, 12.5 percent of Kentucky's adults were estimated to have diabetes compared to 10 percent nationally. Despite a decrease in 2010, Kentucky's rate has been higher than the U.S. rate for the past five years; however, the gap appears to be closing due to an increase in the U.S. rate in the same time period.

Legend: ■ Kentucky ■ U.S.

	KY	U.S.
2011	10.8	9.5
2012	10.7	9.7
2013	10.6	9.7
2014	12.5	10.0
2015	13.4	9.9



Lifestyle Factors

Diet, obesity, smoking, alcohol consumption and lack of exercise all contribute to the incidence of chronic disease and mortality.

Lifestyle Factors: 2015										
(Higher % is Worse)										
	Exercise		Obesity		Smoking		Alcohol Consumption			
	% Who Do Not Exercise	Rank	% w BMI 30-99.8/Obese	Rank	% who are Smokers	Rank	% who are Heavy Drinkers	Rank	% who are Binge Drinkers	Rank
United States	26.2		29.8		17.5		5.9		16.3	
Alabama	31.9	5	35.6	2	21.4	10	4.8	42	11.6	48
Alaska	22.0	41	29.8	26	19.1	16	8.6	2	20.4	4
Arizona	24.7	32	28.4	34	14.0	45	5.2	39	14.2	39
Arkansas	34.2	2	34.5	6	24.9	3	5.3	34	14.1	42
California	20.0	47	24.2	47	11.7	50	5.7	30	16.5	24
Colorado	17.9	51	20.2	51	15.7	37	5.9	25	17.6	14
Connecticut	23.5	35	25.3	42	13.5	48	6.1	22	16.9	19
Delaware	29.4	10	29.7	28	17.4	27	5.3	35	14.9	38
District of Columbia	19.4	48	22.1	50	16.0	33	9.1	1	27.2	1
Florida	26.2	24	26.8	35	15.8	36	6.0	24	15.6	33
Georgia	27.3	15	30.7	19	17.7	23	5.3	36	15.3	35
Hawaii	22.5	38	22.7	49	14.1	44	7.7	5	18.9	10
Idaho	21.2	45	28.6	33	13.8	47	5.3	37	14.1	43
Illinois	24.8	30	30.8	18	15.1	41	6.2	17	20.2	5
Indiana	29.4	11	31.3	15	20.6	12	5.3	38	15.7	32
Iowa	26.3	23	32.1	12	18.1	21	5.9	26	19.8	6
Kansas	26.5	21	34.2	7	17.7	24	5.1	40	15.6	34
Kentucky	32.5	4	34.6	5	26.0	1	5.9	27	15.3	36
Louisiana	31.9	6	36.2	1	21.9	7	6.6	10	17.3	16
Maine	24.8	31	30.0	24	19.5	15	8.1	4	17.6	15
Maryland	24.1	34	28.9	31	15.1	42	4.9	41	14.2	40
Massachusetts	26.5	22	24.3	46	14.0	46	7.2	8	17.7	13
Michigan	25.5	27	31.2	16	20.7	11	6.5	12	18.5	11
Minnesota	21.8	42	26.1	39	16.2	32	6.5	13	19.5	8
Mississippi	36.8	1	35.6	3	22.6	4	4.5	47	11.9	47
Missouri	27.0	17	32.4	10	22.3	5	6.2	18	16.7	21
Montana	22.5	39	23.6	48	18.9	19	7.7	6	19.8	7
Nebraska	25.4	28	31.4	14	17.1	29	5.7	31	19.5	9
Nevada	24.7	33	26.7	36	17.6	25	6.2	19	14.2	41
New Hampshire	22.6	36	26.3	38	15.9	35	6.4	14	16.5	25
New Jersey	27.2	16	25.6	41	13.5	49	4.8	43	16.0	28
New Mexico	22.6	37	28.8	32	17.5	26	4.5	48	12.9	46
New York	29.3	12	25.0	44	15.2	39	5.5	33	16.7	22
North Carolina	26.2	25	30.1	22	19.0	18	4.7	45	13.8	44
North Dakota	26.8	19	31.0	17	18.7	20	6.6	11	24.1	2
Ohio	27.0	18	29.8	27	21.6	9	6.1	23	18.2	12
Oklahoma	33.2	3	33.9	8	22.2	6	4.2	49	13.1	45
Oregon	18.8	50	30.1	23	17.1	30	7.2	9	16.6	23
Pennsylvania	27.8	14	30.0	25	18.1	22	5.6	32	17.0	18
Rhode Island	28.1	13	26.0	40	15.5	38	6.2	20	16.0	29
South Carolina	26.7	20	31.7	13	19.7	14	6.3	15	15.2	37
South Dakota	21.5	44	30.4	21	20.1	13	4.8	44	16.9	20
Tennessee	30.4	8	33.8	9	21.9	8	4.7	46	10.3	51
Texas	29.5	9	32.4	11	15.2	40	5.8	29	15.9	31
Utah	20.3	46	24.5	45	9.1	51	3.6	50	11.6	49
Vermont	22.2	40	25.1	43	16.0	34	7.7	7	17.2	17
Virginia	25.2	29	29.2	29	16.5	31	5.9	28	16.3	26
Washington	19.0	49	26.4	37	15.0	43	6.3	16	16.1	27
West Virginia	30.8	7	35.6	4	25.7	2	3.5	51	10.6	50
Wisconsin	21.6	43	30.7	20	17.3	28	8.2	3	22.9	3
Wyoming	26.2	26	29.0	30	19.1	17	6.2	21	16.0	30

Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

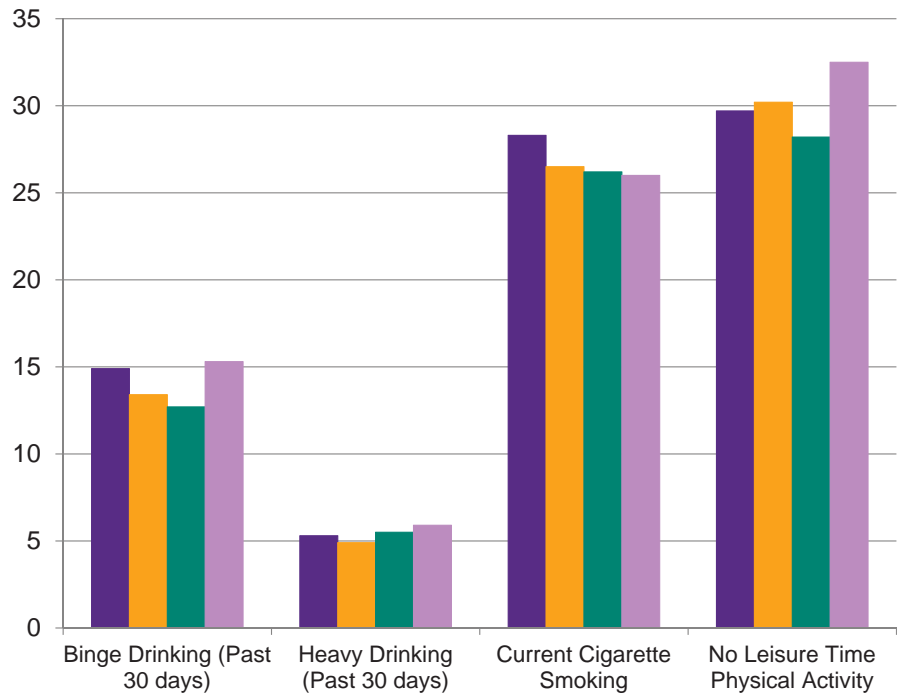
Risk Behaviors

Exacerbating Kentucky's problem with prevalent chronic diseases is the percentage of those whose lifestyle choices add more risk to their health.



Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Prevalence and Estimates of Health Risk Behaviors in Kentucky: 2011-2014



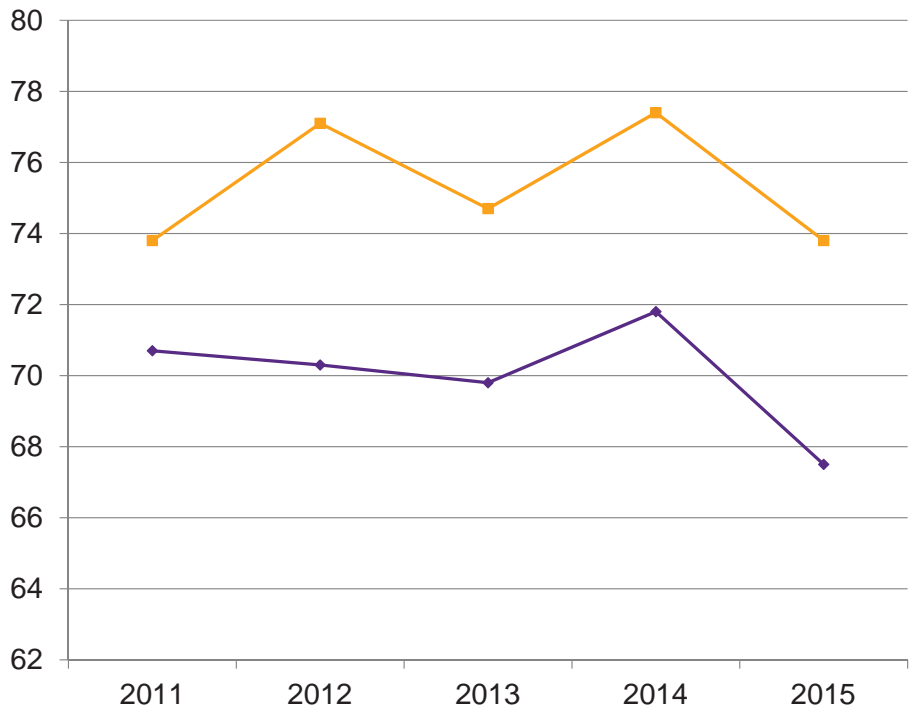
Exercise

In 2015, Kentucky ranked 47th lowest in the nation when compared to all states in the prevalence of people who exercise, falling nearly six percentage points below the national average.



	KY	U.S.
2011	70.7	73.8
2012	70.3	77.1
2013	69.8	74.7
2014	71.8	77.4
2015	67.5	73.8

Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

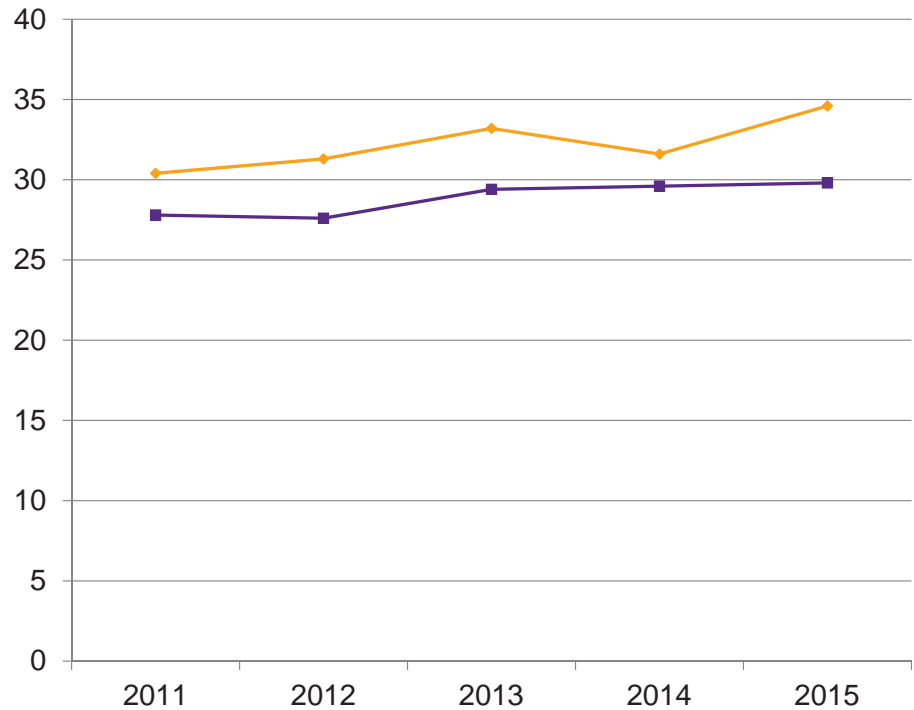


Obesity

Consistent with lack of exercise, Kentucky ranks fifth highest in obesity, with an estimated 34.6 percent of the population in 2015 having a reported body mass index (BMI) greater than 30. Kentucky's rate is five percentage points higher than the national average.

■ Kentucky ■ U.S.

	KY	U.S.
2011	30.4	27.8
2012	31.3	27.6
2013	33.2	29.4
2014	31.6	29.6
2015	34.6	29.8



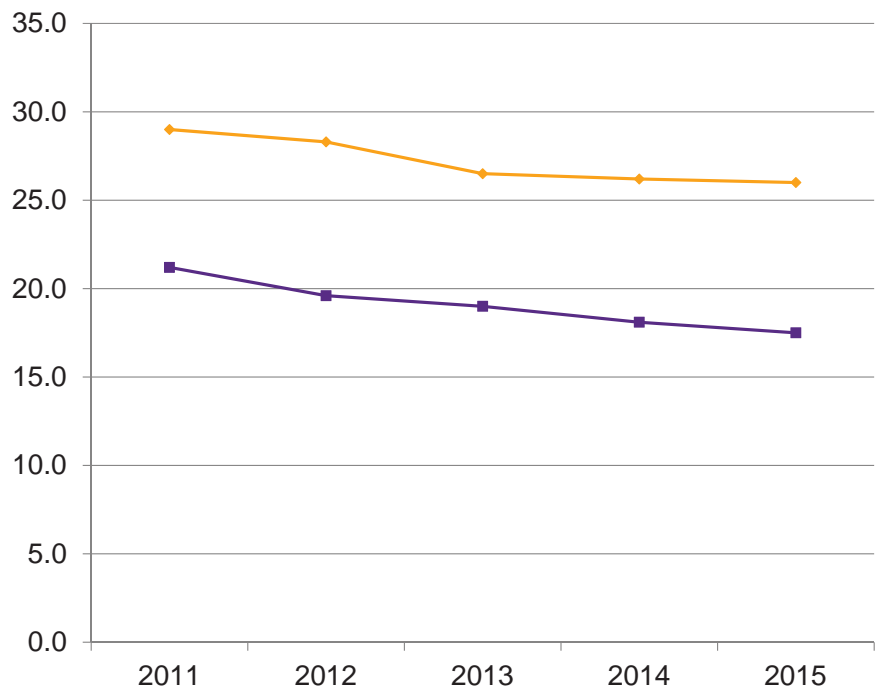
Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Smoking

Smoking is a key factor in the development of chronic disease and most leading causes of death. Kentucky now has the highest prevalence of adult smoking in the nation. In 2015, Kentucky's rate was 8.5 percentage points higher than the national rate.

■ Kentucky ■ U.S.

	KY	U.S.
2011	29.0	21.2
2012	28.3	19.6
2013	26.5	19.0
2014	26.2	18.1
2015	26.0	17.5



Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Alcohol Consumption

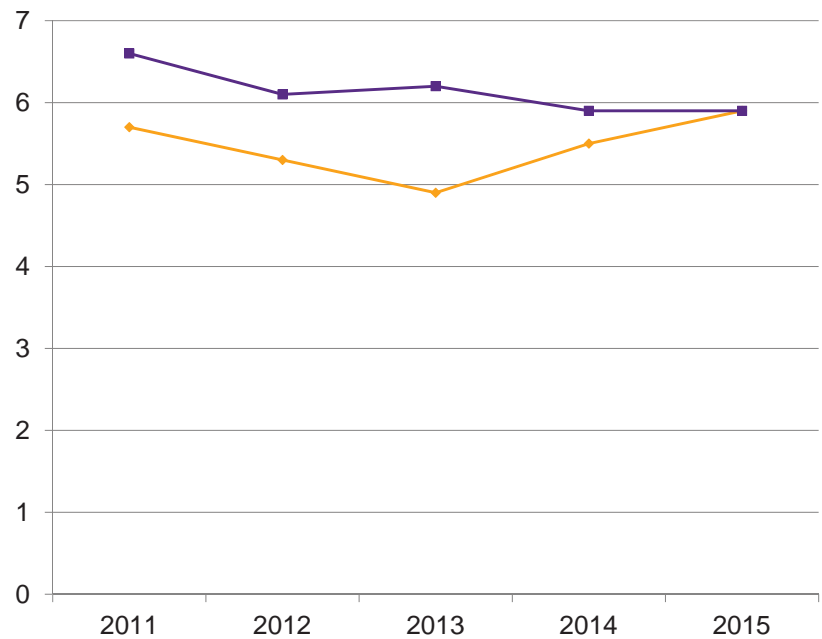
Kentucky has traditionally fared much better than the national average and most other states in the prevalence of alcohol consumption among adults; however, in 2015, Kentucky moved up to 27th (from 47th the previous year) among all states in the prevalence of adults who reported being heavy drinkers and 36th (from 47th) in the rate of binge drinkers. Heavy drinkers are defined as adult men having more than two drinks per day and adult women having more than one drink per day. Binge drinkers are defined as males having five or more drinks on one occasion and females having four or more drinks on one occasion.

Alcohol Use by Type: 2015

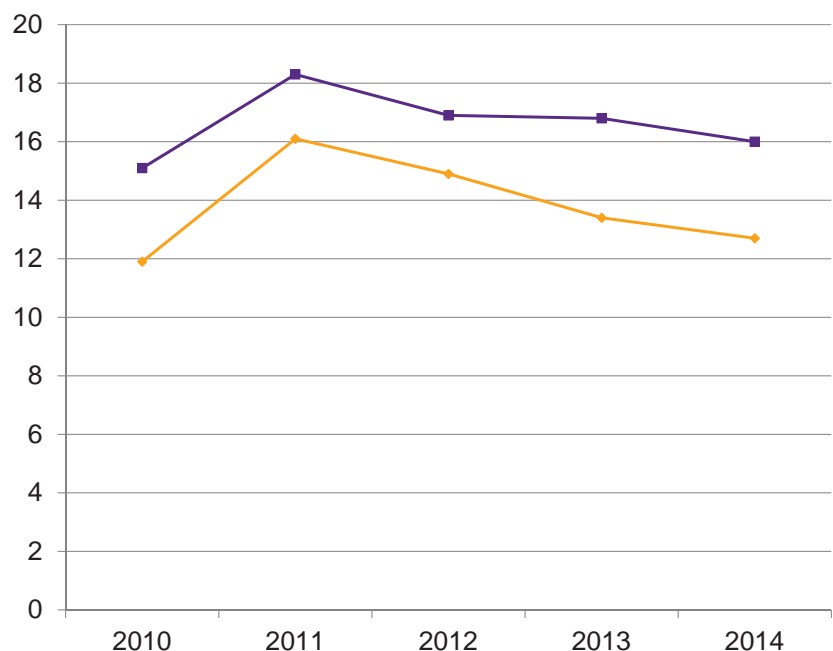
	Heavy Drinking		Binge Drinking	
	KY	U.S.	KY	U.S.
2011	5.7	6.6	16.1	18.3
2012	5.3	6.1	14.9	16.9
2013	4.9	6.2	13.4	16.8
2014	5.5	5.9	12.7	16.0
2015	5.9	5.9	15.3	16.3

Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control

Heavy Drinking
■ Kentucky ■ U.S.



Binge Drinking
■ Kentucky ■ U.S.



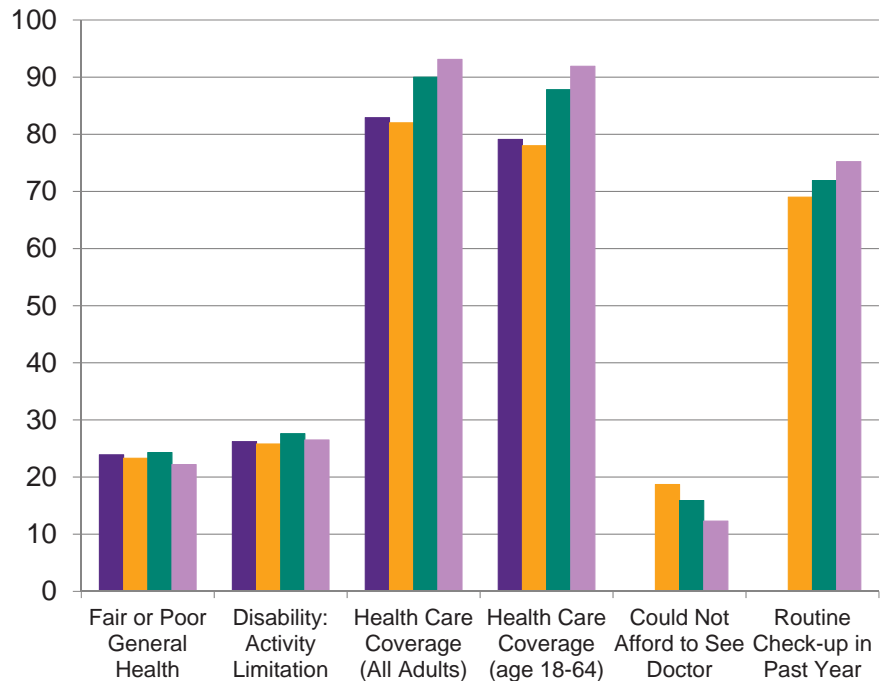
Health Status and Health Care Access

The percentage of Kentuckians who report fair or poor general health or whose disabilities limit activities has decreased slightly. Please note, the data for physician visits was not available for 2012.

Prevalence and Estimates of Health Status and Health Care Access in Kentucky: 2012-2015



Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control



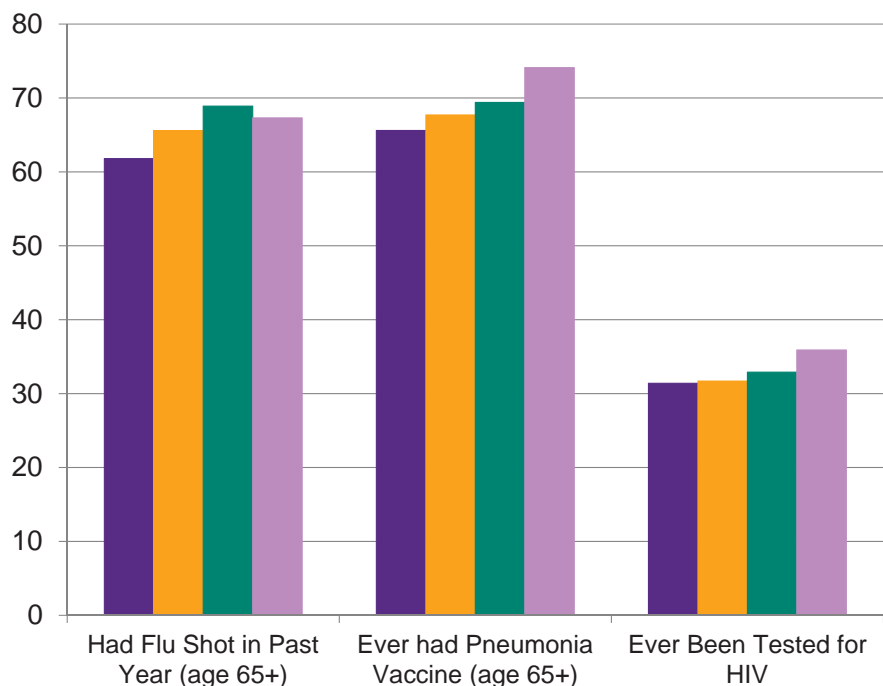
Immunizations and HIV Screening

Fortunately, a large number of Kentuckians are taking preventive measures to protect their health. Large percentages of people in the state are getting immunizations for flu and pneumonia, especially adults over the age of 65. Fewer adults are being screened, however, for HIV. More public education regarding the importance of regular screenings and immunizations could encourage more people to take these steps.

Prevalence and Estimates of Immunization and HIV Screening in Kentucky: 2012-2015



Source: BRFSS, National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control



Utilization of Emergency Rooms by State: 2015

The poor health status and high incidence of chronic disease among the state's population, coupled with low socioeconomic status and the state's large number of underserved areas, is impacting not only mortality but utilization of health services, including hospital services.

- Kentucky had the eighth highest utilization of emergency room visits per 1,000 in population.
- Kentucky's emergency room visit rate of 565.2 per 1,000 in population is 28.3 percent higher than the U.S. average rate of 440.3 per 1,000 in population (as shown in the table to the right).

United States	440.3
Alabama	507.4
Alaska	440.1
Arizona	336.8
Arkansas	498.8
California	348.7
Colorado	376.7
Connecticut	463.3
Delaware	490.4
District of Columbia	739.1
Florida	446.6
Georgia	429.1
Hawaii	340.5
Idaho	408.6
Illinois	432.1
Indiana	507.3
Iowa	436.6
Kansas	416.0
Kentucky	565.2
Louisiana	573.3
Maine	725.4
Maryland	411.4
Massachusetts	477.4
Michigan	504.6
Minnesota	357.2
Mississippi	591.4
Missouri	510.9
Montana	400.5
Nebraska	377.1
Nevada	332.4
New Hampshire	504.1
New Jersey	389.5
New Mexico	489.0
New York	435.9
North Carolina	479.7
North Dakota	509.1
Ohio	586.5
Oklahoma	478.5
Oregon	382.3
Pennsylvania	506.8
Rhode Island	517.0
South Carolina	504.6
South Dakota	315.2
Tennessee	529.1
Texas	387.7
Utah	343.6
Vermont	524.0
Virginia	438.6
Washington	372.7
West Virginia	642.7
Wisconsin	421.8
Wyoming	415.4

Source: AHA Hospital Statistics 2017

Hospital Utilization by State: 2015

- Kentucky ranks 10th highest among states in the number of inpatient hospital days per 1,000 population. This results partially from the state's higher proportion of elderly population, which uses hospital services at a much higher rate, but also is due to the prevalence of chronic conditions and relatively poor health status of the overall population.
- As shown in this table, Kentucky has the fifth highest inpatient admission rate per 1,000 population and is 10th in the number of inpatient hospital beds per 1,000 in population.

State	Hospital Beds/1000 Population	Inpatient Admits/1000 Population	Inpatient Days/1000 Population	Average Length of Stay
United States	2.4	103.5	564.9	5.1
Alabama	3.0	126.9	703.0	5.3
Alaska	2.2	71.3	512.0	5.7
Arizona	2.0	90.9	429.5	4.7
Arkansas	3.1	117.9	612.1	4.9
California	1.8	83.3	425.9	4.8
Colorado	1.9	77.7	395.9	4.7
Connecticut	2.1	105.0	559.4	5.2
Delaware	2.2	112.2	599.7	5.3
District of Columbia	5.3	192.0	1,414.2	6.4
Florida	2.6	123.9	618.9	4.9
Georgia	2.4	94.7	599.2	5.3
Hawaii	1.8	76.9	501.3	5.6
Idaho	2.0	77.7	377.2	4.4
Illinois	2.5	107.8	530.9	4.8
Indiana	2.6	101.6	541.2	4.9
Iowa	3.1	104.0	631.7	4.6
Kansas	3.4	102.1	655.4	5.0
Kentucky	3.2	125.7	689.7	5.2
Louisiana	3.0	118.3	654.6	5.3
Maine	2.6	103.8	614.5	5.3
Maryland	2.0	98.9	506.4	5.0
Massachusetts	2.3	112.0	594.8	5.3
Michigan	2.5	117.7	591.6	4.8
Minnesota	2.6	99.7	611.6	4.8
Mississippi	4.1	119.8	829.9	5.5
Missouri	3.1	128.9	675.2	4.9
Montana	3.7	91.0	812.3	5.1
Nebraska	3.5	101.9	685.4	5.7
Nevada	1.9	90.5	518.2	5.7
New Hampshire	2.1	90.2	489.7	5.2
New Jersey	2.3	107.5	553.9	5.1
New Mexico	1.9	84.7	411.1	4.9
New York	2.7	111.9	761.9	6.0
North Carolina	2.1	100.1	543.4	5.1
North Dakota	4.2	122.0	880.6	5.5
Ohio	2.9	122.3	615.9	4.9
Oklahoma	2.8	100.4	550.5	5.3
Oregon	1.7	85.0	373.6	4.4
Pennsylvania	2.9	123.0	675.3	5.3
Rhode Island	2.1	108.7	536.7	4.9
South Carolina	2.5	106.7	573.9	5.2
South Dakota	4.7	116.3	1,182.8	6.2
Tennessee	3.0	125.4	693.5	5.2
Texas	2.3	92.8	496.5	5.3
Utah	1.8	78.8	342.2	4.1
Vermont	1.9	76.2	467.6	5.3
Virginia	2.1	93.9	525.5	5.0
Washington	1.7	82.7	392.6	4.6
West Virginia	3.7	138.4	816.1	5.1
Wisconsin	2.2	93.2	474.4	4.5
Wyoming	3.1	73.1	607.9	4.1

Source: AHA Hospital Statistics 2017

Hospital Cost of Care by State: 2015

- Kentuckians benefit because the average cost of hospital care in Kentucky is one of the lowest in the nation.
- In 2015, Kentucky's hospital cost per day of \$1,667.69 was the **11th lowest** among all states and the District of Columbia, and the hospital cost per admission of \$8,869.45 was even lower – ranking **third lowest** in the country.
- Kentucky's hospital cost per stay was **lower than all seven surrounding states, and the cost per day was lower than all seven except West Virginia.**
- Kentucky's hospital cost per day was 26.5 percent below the U.S. average of \$2,270.51 and cost per admission was more than 28 percent lower than the national average of \$12,359.32.
- Kentucky's 2015 costs per day and per stay were even lower than the state's 2014 costs.

State	Hospital Cost per Admission	Hospital Cost per Day
United States	\$12,359.32	\$2,270.51
Alabama	\$7,990.13	\$1,491.19
Alaska	\$16,934.67	\$2,161.22
Arizona	\$11,599.32	\$2,485.05
Arkansas	\$8,082.37	\$1,624.90
California	\$16,859.21	\$3,340.78
Colorado	\$14,388.62	\$2,721.48
Connecticut	\$13,527.96	\$2,600.87
Delaware	\$14,847.97	\$2,814.22
District of Columbia	\$19,179.34	\$2,608.52
Florida	\$10,297.64	\$2,087.36
Georgia	\$10,777.55	\$1,664.73
Hawaii	\$15,793.54	\$2,349.45
Idaho	\$13,214.66	\$2,658.66
Illinois	\$11,639.10	\$2,394.11
Indiana	\$11,783.11	\$2,280.27
Iowa	\$9,588.47	\$1,472.01
Kansas	\$10,486.49	\$1,537.09
Kentucky	\$8,869.45	\$1,667.69
Louisiana	\$9,604.09	\$1,782.29
Maine	\$13,424.78	\$2,327.10
Maryland	\$12,630.96	\$2,514.09
Massachusetts	\$14,271.20	\$2,783.04
Michigan	\$11,104.27	\$2,159.49
Minnesota	\$14,139.03	\$2,113.40
Mississippi	\$9,403.06	\$1,343.21
Missouri	\$11,265.77	\$2,178.69
Montana	\$12,565.83	\$1,284.35
Nebraska	\$11,922.49	\$1,757.82
Nevada	\$10,613.26	\$1,886.51
New Hampshire	\$12,459.08	\$2,321.54
New Jersey	\$13,050.15	\$2,554.96
New Mexico	\$11,179.02	\$2,441.59
New York	\$17,025.66	\$2,475.36
North Carolina	\$10,732.01	\$2,009.84
North Dakota	\$11,715.64	\$1,725.90
Ohio	\$12,787.57	\$2,608.40
Oklahoma	\$9,444.32	\$1,798.25
Oregon	\$14,397.77	\$3,367.54
Pennsylvania	\$12,483.20	\$2,307.42
Rhode Island	\$13,501.06	\$2,759.32
South Carolina	\$10,158.84	\$1,937.60
South Dakota	\$12,820.09	\$1,218.15
Tennessee	\$9,465.26	\$1,704.47
Texas	\$11,873.29	\$2,292.13
Utah	\$11,715.38	\$2,611.59
Vermont	\$12,975.79	\$2,162.14
Virginia	\$10,783.49	\$1,933.08
Washington	\$16,095.14	\$3,247.92
West Virginia	\$9,369.29	\$1,570.27
Wisconsin	\$12,280.05	\$2,280.36
Wyoming	\$12,934.16	\$1,538.31

Source: AHA Hospital Statistics 2017