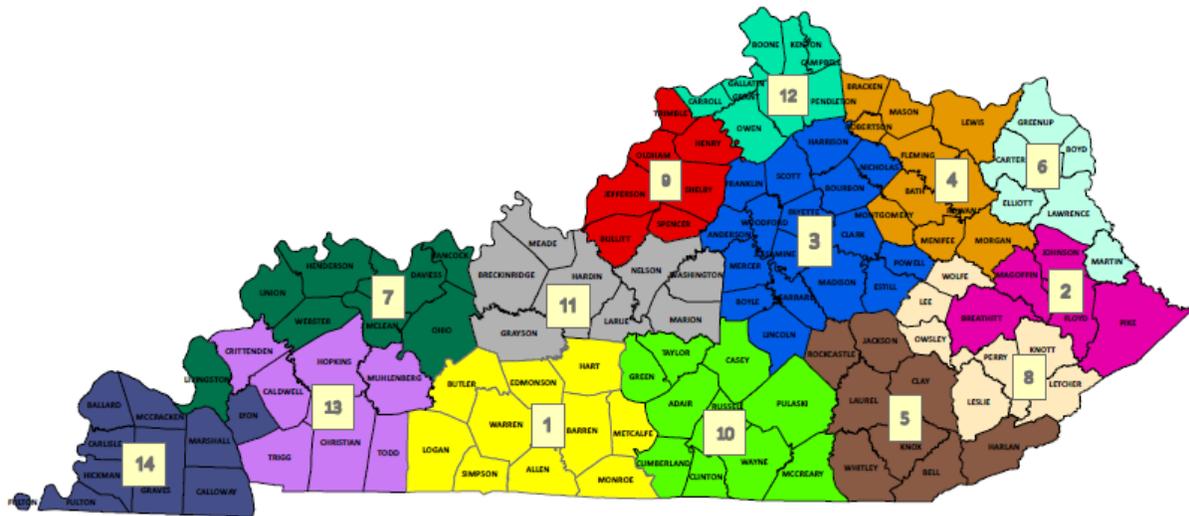


# Kentucky Area Development District (ADD) Profiles

## Kentucky Behavioral Risk Factor Survey (KyBRFS)

Data Source: Kentucky Behavioral Risk Factor Survey 2017

# 2018



**Kentucky Public Health**  
Prevent. Promote. Protect.

# Area Development District (ADD) Profiles Kentucky Behavioral Risk Factor Survey (KyBRFS)

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### Legend for Kentucky ADD Map on Cover Page

 1. Barren River ADD	 5. Cumberland Valley ADD	 9. KIPDA ADD	 13. Pennyrile ADD
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 3. Bluegrass ADD	 7. Green River ADD	 11. Lincoln Trail ADD	
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Suggested citation: *Kentucky Behavioral Risk Factor Survey (KyBRFS) Data*. Department for Public Health, Cabinet for Health and Family Services, Frankfort, Kentucky, [2018]

## **Area Development District (ADD) Profiles Kentucky Behavioral Risk Factor Survey (KyBRFS)**

### **Executive Summary**

The Behavioral Risk Factor Surveillance System (BRFSS) is a telephone health survey co-sponsored by the Centers for Disease Control and Prevention (CDC) and the Kentucky Department for Public Health. The survey is randomly administered to non-institutionalized civilian adults 18 years old or older who are living in a household with a telephone. Personal identifying information, such as name or address, is not collected. In Kentucky the BRFSS program is referred to as KyBRFS (Kentucky Behavioral Risk Factor Survey). The following report consists of data collected by the KyBRFS program for the calendar year 2017. The objective is to collect uniform, Kentucky specific data on preventive health practices and risk behaviors that are linked to chronic diseases, injuries, and preventable infectious diseases that affect the adult population.

CDC publishes the BRFSS data collected by each state on their website. This website has data at state level but not at sub-state level. In most cases, each state constitutes of single stratum. However, to provide adequate sample sizes for smaller geographically defined populations of interest, some states sample disproportionately from strata defined by sub-state regions. Kentucky has fifteen Area Development Districts (ADD), and KyBRFS attempts to sample all of these ADDs.

Changes were made in some strata in the sample design for 2017, since the minimum requirement of 500 respondents in each ADD was not met. A minimum of 500 respondents in a stratum is required to conduct appropriate weighting of the region. Some counties were moved into different regions: Lyon County was moved from Pennyryle to Purchase District. Livingston County was included in Green River District. Martin County, from Big Sandy District, was moved to FIVCO, and Breathitt County moved from Kentucky River to Big Sandy. The rest of the ADDs are sampled individually and each yield 500 completes. Buffalo Trace and Gateway were combined to get 500 completes. Individual sampling of these ADDs did not yield enough completes. Kentucky currently has fourteen strata.

The ADD level data is not available on the CDC website. The main purpose of this document is to provide data in a timely manner to the ADDs so it can be used by local health departments and other groups for strategic planning and program management. This data can be used to identify emerging health problems, establish and track health objectives, and develop and evaluate public health policies and programs. It can also be used to support health-related legislative efforts, and assist districts in identifying health needs within their region.

*The 2011 KyBRFS data reflects the addition of cell-phone only respondents and a change in weighting methodology (raking replaces post-stratification). Due to these significant changes, the 2017 KyBRFS data should only be compared to 2011 - 2016 KyBRFS data. It is not directly comparable to KyBRFS data collected before 2011. Comparing 2017 KyBRFS data with KyBRFS data from years prior to 2011 may cause misinterpretation of trend line shifts in prevalence estimates.*

## Area Development District (ADD) Profiles Kentucky Behavioral Risk Factor Survey (KyBRFS)

### Introduction

The Behavioral Risk Factor Surveillance System (BRFSS) is a cross-sectional telephone health survey jointly sponsored by the Centers for Disease Control and Prevention (CDC) and the Kentucky Department for Public Health (KDPH). The survey is randomly administered to non-institutionalized civilian adults aged 18 or older living in a household. Participation in the survey is strictly voluntary. Personal identifying information, such as a person's name or address, is not collected. The BRFSS is a nationwide surveillance tool. In Kentucky the BRFSS program is referred to as KyBRFS (Kentucky Behavioral Risk Factor Survey) and it has been conducted continuously since 1985.

This document presents a data profile of each Area Development District (ADD) based on prevalence data collected from the 2017 KyBRFS. Kentucky has 120 Counties that are divided into 15 ADDs for program planning. Data for this report are analyzed by 14 ADDs. Buffalo Trace and Gateway were combined to obtain a statistically reliable sample of 500 completes. Statewide and nationwide prevalence estimates have been included for comparison.

<b>Counties in each ADD</b>	
<b>Barren River:</b>	Allen, Barren, Butler, Edmonson, Hart, Logan, Metcalfe, Monroe, Simpson, Warren
<b>Big Sandy:</b>	Breathitt, Floyd, Johnson, Magoffin, Pike
<b>Bluegrass:</b>	Anderson, Bourbon, Boyle, Clark, Estill, Fayette, Franklin, Garrard, Harrison, Jessamine, Lincoln, Madison, Mercer, Nicholas, Powell, Scott, Woodford
<b>Buffalo Trace/Gateway:</b>	Bath, Bracken, Fleming, Lewis, Mason, Menifee, Montgomery, Morgan, Robertson, Rowan
<b>Cumberland Valley:</b>	Bell, Clay, Harlan, Jackson, Knox, Laurel, Rockcastle, Whitley
<b>FIVCO :</b>	Boyd, Carter, Elliott, Greenup, Lawrence, Martin
<b>Green River:</b>	Daviess, Hancock, Henderson, Livingston, McLean, Ohio, Union, Webster
<b>Kentucky River:</b>	Knott, Lee, Leslie, Letcher, Owsley, Perry, Wolfe
<b>KIPDA:</b>	Bullitt, Henry, Jefferson, Oldham, Shelby, Spencer, Trimble
<b>Lake Cumberland:</b>	Adair, Casey, Clinton, Cumberland, Green, McCreary, Pulaski, Russell, Taylor, Wayne
<b>Lincoln Trail:</b>	Breckinridge, Grayson, Hardin, Larue, Marion, Meade, Nelson, Washington
<b>Northern Kentucky:</b>	Boone, Campbell, Carroll, Gallatin, Grant, Kenton, Owen, Pendleton
<b>Pennyrile:</b>	Caldwell, Christian, Crittenden, Hopkins, Muhlenberg, Todd, Trigg
<b>Purchase:</b>	Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, Lyon, McCracken, Marshall

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**Area Development District (ADD) Profiles  
Kentucky Behavioral Risk Factor Survey (KyBRFS)**

List of Variables	Nationwide* (States and DC)	Kentucky	
	Median %	%	95% CI
<b>Alcohol Consumption</b>			
Adults who reported heavy drinking	6.3	5.7	(4.9 – 6.5)
Adults who reported binge drinking	17.4	15.8	(14.5 – 17.1)
<b>Arthritis</b>			
Adults who have arthritis	24.9	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>			
Adults who have ever had a heart attack	4.2	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	3.9	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	3.0	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>			
Adults who had their blood cholesterol checked in the past five year	85.9	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	33.0	38.1	(36.3 – 39.9)
<b>Depression</b>			
Adults who have ever been diagnosed with a depressive disorder	20.5	24.3	(22.8 – 25.8)
<b>Diabetes</b>			
Adults who have diabetes	10.5	12.9	(11.8 – 13.9)
<b>General Health Status</b>			
Adults who reported good or better health	82.4	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>			
Adults who have health care coverage	89.5	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	87.3	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>			
Adults who have ever been tested for HIV	36.1	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>			
Adults who have high blood pressure	32.3	39.4	(37.7 – 41.0)
<b>Immunization</b>			
Adults aged 65+ who had a flu shot in past year	60.7	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	75.4	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>			
Adults who are overweight (BMI = 25.0 – 29.9)	35.3	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	31.3	34.3	(32.6 – 36.0)
<b>Physical Activity</b>			
Adults who participate in any physical activity	74.4	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>			
Adults who currently have asthma	9.4	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	6.5	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>			
Adults who are current smokers	17.1	24.6	(23.0 – 26.2)

\*Centers for Disease Control and Prevention (CDC). *Behavioral Risk Factor Surveillance System Survey Data*. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, [2017]  
 NA=Data not Available  
 Total number of responses in Kentucky, N=8,642

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Barren River ADD	Barren River		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	8.3	(5.3 – 11.4)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	18.1	(14.0 – 22.2)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	33.9	(29.3 – 38.5)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	5.7	(3.5 – 7.8)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	5.8	(3.7 – 7.9)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	5.6	(3.4 – 7.8)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	83.3	(79.1 – 87.5)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	36.7	(31.6 – 41.8)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	26.4	(21.8 – 31.0)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	10.7	(7.9 – 13.5)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	75.8	71.5 – 80.0	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	91.8	(88.8 – 94.8)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	89.7	(85.9 – 93.5)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	36.7	(31.4 – 42.1)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	39.8	(35.1 – 44.6)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	53.3	(43.8 – 62.8)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	64.8	(55.2 – 74.3)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	35.9	(31.0 – 40.8)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	35.6	(30.5 – 40.8)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	65.4	(60.4 – 70.5)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	10.7	(7.7 – 13.7)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	12.2	(8.9 – 15.4)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	27.9	(23.0 – 32.9)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Barren River ADD, N=577

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Big Sandy ADD	Big Sandy		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	2.3	(0.8 – 3.7)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	6.4	(3.6 – 9.3)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	44.1	(38.1 – 50.1)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	9.5	(5.9 – 13.1)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	10.8	7.2 – 14.4)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	6.9	(3.5 – 10.2)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	90.0	(85.5 – 94.5)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	48.4	(41.7 -55.0)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	37.4	(31.1 -43.7)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	23.2	(18.0 – 28.4)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	57.4	(51.2 – 63.6)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	94.3	(92.0 – 96.7)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	94.0	(91.4 – 96.6)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	31.4	(24.2 – 38.1)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	53.5	(47.0 – 59.9)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	69.7	(59.3 – 80.2)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	70.7	(59.9 – 81.6)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	31.1	(25.5 – 36.7)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	38.9	(32.9 – 44.8)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	59.8	(53.3 – 66.3)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	13.5	(8.7 – 18.4)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	18.5	(13.2 – 23.7)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	31.4	(24.6 – 38.1)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Big Sandy ADD, N=546

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Bluegrass ADD	Bluegrass		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	5.1	(3.4 – 6.8)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	17.1	(13.5 – 20.8)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	30.8	(26.4 – 35.2)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	6.0	(3.8 – 8.2)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	5.9	(3.3 – 8.4)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	3.1	(1.4 – 4.7)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	87.3	(83.9 – 90.7)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	37.5	(32.4 – 42.5)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	20.5	(16.3 – 24.7)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	11.8	(8.6 – 15.0)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	77.7	(73.4 – 81.9)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	94.0	(91.6 – 96.4)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	92.8	(89.8 – 95.8)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	32.2	(27.5 – 37.0)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	36.6	(32.0 – 41.1)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	65.7	(56.7 – 74.7)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	75.7	(67.6 – 83.8)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	33.4	(28.9 – 37.9)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	32.7	(28.1 – 37.3)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	68.6	(63.9 – 73.3)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	11.2	(8.1 – 14.3)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	10.3	(7.2 – 13.4)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	20.6	(16.4 – 24.8)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Bluegrass ADD, N=773

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Buffalo Trace and Gateway ADD	Buffalo Trace And Gateway		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	5.4	(2.6 – 8.2)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	13.1	(9.1 – 17.1)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	29.4	(24.7 – 34.2)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	7.0	(4.4 – 9.5)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	7.3	(4.6 – 9.9)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	4.0	(1.7 – 6.2)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	81.1	(76.0 – 86.2)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	31.4	(26.2 – 36.6)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	21.6	(16.9 – 26.3)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	14.0	(10.4 – 17.6)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	75.2	(70.6 – 80.0)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	91.5	(88.0 – 95.0)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	89.4	(84.9 – 93.8)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	25.3	(20.1 – 30.4)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	37.1	(31.8 – 42.3)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	60.6	(50.7 – 70.6)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	74.0	(64.4 – 83.7)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	34.3	(28.6 – 39.9)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	37.7	(32.0 – 43.5)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	60.6	(54.8 – 66.3)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	11.8	(8.1 – 15.4)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	13.0	(9.5 – 16.4)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	24.8	(19.8 – 29.8)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Buffalo Trace and Gateway ADD, N=501

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Cumberland Valley ADD	Cumberland Valley		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	3.3	(1.2 – 5.4)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	10.1	(6.6 – 13.5)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	42.5	(36.9 – 48.1)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	9.2	(6.0 – 12.4)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	7.9	(4.9 – 10.9)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	6.2	(3.6 – 8.8)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	91.2	(88.2 – 94.3)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	43.5	(37.5 – 49.5)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	30.9	(25.3 – 36.6)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	15.9	(11.8 – 20.0)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	64.9	(54.0 – 70.7)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	95.8	(93.6 – 98.0)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	94.5	(91.7 – 97.4)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	31.4	(25.4 – 37.5)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	47.2	(41.5 – 52.9)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	61.3	(49.0 – 73.6)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	75.7	(64.4 – 87.1)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	33.6	(28.2 – 39.0)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	37.4	(31.4 – 43.4)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	59.4	(53.3 – 65.5)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	12.2	(8.1 – 16.4)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	15.1	(10.9 – 19.2)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	27.3	(22.1 – 32.4)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Cumberland Valley, ADD, N=510

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

FIVCO ADD	FIVCO		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	3.3	(1.5 – 5.1)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	7.9	(5.1 – 10.7)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	43.2	(37.5 – 49.0)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	8.6	(5.8 – 11.4)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	10.2	(6.4 – 13.9)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	6.2	(3.9 – 8.5)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	88.8	(84.1 – 93.6)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	44.2	(38.2 – 50.2)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	34.5	(28.8 – 40.2)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	14.4	(10.7 – 18.1)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	62.5	(56.7 – 68.3)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	92.2	(88.1 – 96.3)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	90.3	(85.1 – 95.6)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	25.9	(20.4 – 31.4)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	53.1	(47.4 – 58.9)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	61.9	(50.9 – 72.9)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	77.9	(69.4 – 86.4)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	32.0	(26.2 – 37.9)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	42.7	(36.7 – 48.7)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	60.2	(54.4 – 65.9)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	17.1	(12.4 – 21.7)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	19.3	(14.5 – 24.1)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	24.9	(19.8 – 30.1)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in FIVCO, ADD, N=526

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Green River ADD	Green River		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	5.9	(3.3 – 8.5)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	15.6	(11.6 – 19.7)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	32.6	(27.9 – 37.2)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	6.6	(4.3 – 8.8)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	7.1	(4.9 – 9.2)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	4.2	(2.5 – 6.0)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	88.2	(84.5 – 91.8)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	40.3	(35.1 – 45.5)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	24.8	(20.1 – 29.5)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	13.5	(10.5 – 16.4)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	73.9	(64.4 – 78.3)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	91.9	(88.6 – 95.2)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	89.8	(85.5 – 94.0)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	30.8	(25.9 – 35.8)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	41.2	(36.4 – 45.9)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	56.1	(47.6 – 64.5)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	79.1	(71.7 – 86.6)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	34.6	(29.7 – 39.4)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	31.7	(27.0 – 36.4)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	65.7	(60.5 – 70.8)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	11.8	(8.3 – 15.3)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	11.0	(8.0 – 14.0)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	21.8	(17.4 – 26.4)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Green River ADD, N=560

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Kentucky River ADD	Kentucky River		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	3.3	(1.0 – 5.7)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	6.9	(3.5 – 10.2)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	47.7	(40.9 – 54.4)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	12.3	(8.1 – 16.5)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	7.4	(2.9 – 11.9)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	8.2	(3.4 – 13.1)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	88.4	(84.2 – 92.6)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	44.3	(37.1 – 51.4)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	30.4	(23.9 – 37.0)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	18.2	(12.5 – 23.9)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	65.4	(59.0 – 71.8)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	92.2	(88.8 – 95.6)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	91.1	(87.0 – 95.2)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	28.7	(22.5 – 34.9)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	50.7	(44.0 – 57.4)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	52.3	(39.5 – 65.1)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	66.8	(54.9 – 78.7)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	29.7	(23.5 – 35.9)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	44.9	(38.0 – 51.8)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	54.5	(47.3 – 61.6)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	11.8	(7.5 – 16.1)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	20.5	(14.6 – 26.4)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	32.2	(25.4 – 38.9)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Kentucky River ADD, N=518

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

KIPDA ADD	KIPDA		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	6.4	(3.8 – 8.9)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	16.0	(12.2 – 19.8)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	25.6	(21.6 – 29.7)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	5.7	(3.7 – 7.7)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	5.7	(3.8 – 7.6)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	5.0	(2.8 – 7.1)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	86.2	(82.4 – 90.0)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	36.5	(31.5 – 41.5)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	21.1	(16.9 – 25.2)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	12.4	(9.4 – 15.4)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	78.0	(73.8 – 82.1)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	92.0	(88.9 – 95.1)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	89.8	(85.9 – 93.7)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	39.2	(34.0 – 44.3)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	34.4	(29.9 – 38.9)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	62.0	(52.8 – 71.1)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	77.5	(68.9 – 86.1)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	33.4	(28.6 – 38.2)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	29.0	(24.4 – 33.7)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	70.1	(65.3 – 74.9)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	10.6	(7.4 – 13.8)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	10.9	(7.9 – 13.9)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	21.5	(17.2 – 25.9)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in KIPDA ADD, N= 1450

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

## Area Development District (ADD) Profiles Kentucky Behavioral Risk Factor Survey (KyBRFS)

Lake Cumberland ADD	Lake Cumberland		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	6.0	3.6 – 8.5	5.7	(4.9 – 6.5)
Adults who reported binge drinking	11.1	7.9 – 14.3	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	37.5	32.8 – 42.3	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	10.2	7.2 – 13.2	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	5.9	3.7 – 8.2	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	5.0	2.8 – 7.1	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	87.9	84.5 – 91.3	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	42.5	37.4 – 47.6	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	25.8	21.4 – 30.2	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	15.7	12.2 – 19.2	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	69.6	65.0 – 74.2	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	91.1	88.2 – 94.0	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	89.8	86.4 – 93.3	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	30.2	25.4 – 35.0	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	48.0	43.1 – 52.9	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	51.5	42.0 – 61.0	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	66.0	56.5 – 75.6	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	33.5	28.9 – 38.1	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	37.6	32.6 – 42.5	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	57.6	52.7 – 62.6	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	10.4	7.2 – 13.6	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	14.6	11.1 – 18.1	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	29.7	25.0 – 34.3	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
Total number of responses in Lake Cumberland ADD, N=591

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Lincoln Trail ADD	Lincoln Trail		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	4.2	(1.8 – 6.7)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	16.2	(11.7 – 20.7)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	34.0	(28.6 – 39.3)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	4.6	(2.9 – 6.3)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	4.2	(2.6 – 5.8)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	5.0	(2.7 – 7.2)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	88.6	(84.4 – 92.8)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	35.9	(30.3 – 41.6)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	25.2	(20.0 – 30.3)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	11.7	(8.5 – 14.8)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	74.7	(69.8 – 79.6)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	95.1	(92.5 – 97.7)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	94.0	(90.8 – 97.2)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	39.6	(33.3 – 45.9)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	39.7	(34.2 – 45.1)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	62.9	(53.3 – 72.6)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	74.5	(64.9 – 84.0)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	32.4	(27.2 – 37.7)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	38.5	(32.6 – 44.3)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	63.5	(57.8 – 69.3)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	10.4	(7.4 – 13.5)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	12.6	(9.0 – 16.2)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	27.2	(21.9 – 32.6)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Lincoln Trail ADD, N=515

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

## Area Development District (ADD) Profiles Kentucky Behavioral Risk Factor Survey (KyBRFS)

Northern Kentucky ADD	Northern Kentucky		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	6.8	(4.4 – 9.3)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	23.9	(19.3 – 28.4)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	29.3	(24.7 – 33.7)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	4.7	(2.6 – 6.8)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	6.0	(3.6 – 8.4)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	3.0	(1.1 – 4.8)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	85.5	(81.0 – 90.0)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	34.6	(29.5 – 39.7)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	25.9	(21.1 – 30.7)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	9.7	(7.2 – 12.3)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	79.1	(74.7 – 83.6)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	90.5	(87.0 – 93.9)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	88.8	(84.6 – 92.9)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	41.4	(36.1 – 46.8)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	34.2	(29.5 – 39.0)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	65.1	(55.6 – 74.6)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	81.3	(73.7 – 88.8)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	32.6	(27.7 – 37.5)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	34.3	(29.3 – 39.4)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	69.4	(64.3 – 74.5)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	7.2	(4.6 – 9.8)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	11.5	(7.7 – 15.3)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	27.5	(22.2 – 32.8)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
Total number of responses in Northern Kentucky ADD, N=552

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Pennyrile ADD	Pennyrile		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	4.0	(1.8 – 6.2)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	15.7	(11.3 – 20.1)	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	34.7	(29.7 – 39.8)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	8.2	(5.5 – 10.9)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	5.5	(3.4 – 7.6)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	5.6	(3.4 – 7.8)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	84.0	(79.3 – 88.7)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	38.6	(33.0 – 44.2)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	24.4	(19.6 – 29.2)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	12.9	(9.6 – 16.2)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	76.7	(72.2 – 81.2)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	90.9	(86.9 – 94.9)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	88.8	(83.8 – 93.8)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	40.9	35.1 – 46.6	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	41.9	(36.7 – 47.2)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	52.5	(42.8 – 62.2)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	65.5	(55.4 – 75.7)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	32.4	(27.1 – 37.6)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	34.9	(29.6 – 40.3)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	61.1	(55.6 – 66.7)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	10.3	(7.3 – 13.4)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	11.0	(7.9 – 14.2)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	26.2	(21.0 – 31.3)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Pennyrile ADD, N=512

**Data Source: Kentucky Behavior Risk Factor Survey 2017**

**Area Development District (ADD) Profiles**  
**Kentucky Behavioral Risk Factor Survey (KyBRFS)**

Purchase ADD	Purchase		Kentucky	
	%	95% CI	%	95% CI
<b>Alcohol Consumption</b>				
Adults who reported heavy drinking	9.9	(6.0 – 13.8)	5.7	(4.9 – 6.5)
Adults who reported binge drinking	17.8	13.4 – 22.2	15.8	(14.5 – 17.1)
<b>Arthritis</b>				
Adults who have arthritis	33.9	(29.0 – 38.8)	32.4	(30.8 – 33.9)
<b>Cardiovascular Disease</b>				
Adults who have ever had a heart attack	5.4	(3.3 – 7.6)	6.5	(5.8 – 7.3)
Adults who have coronary heart disease	4.9	(2.9 – 6.9)	6.2	(5.5 – 7.0)
Adults who have ever had a stroke	5.7	3.3 – 8.1)	4.7	(4.0 – 5.4)
<b>Cholesterol Awareness</b>				
Adults who had their blood cholesterol checked in the past five year	87.7	(83.4 – 91.9)	86.8	(85.5 – 88.1)
Adults with high blood cholesterol	36.9	(31.8 – 42.0)	38.1	(36.3 – 39.9)
<b>Depression</b>				
Adults who have ever been diagnosed with a depressive disorder	21.1	(16.8 – 25.5)	24.3	(22.8 – 25.8)
<b>Diabetes</b>				
Adults who have diabetes	11.9	(8.5 – 15.3)	12.9	(11.8 – 13.9)
<b>General Health Status</b>				
Adults who reported good or better health	72.1	(67.3 – 76.9)	74.5	(73.0 – 76.1)
<b>Health Care Access/Coverage</b>				
Adults who have health care coverage	91.5	(87.8 – 95.2)	92.5	(91.5 – 93.5)
Adults aged 18-64 who have health care coverage	88.9	(84.0 – 93.8)	90.8	(89.6 – 92.1)
<b>HIV Screening Test</b>				
Adults who have ever been tested for HIV	26.6	(21.6 – 31.6)	34.8	(33.0 – 36.6)
<b>Hypertension Awareness</b>				
Adults who have high blood pressure	39.4	(34.5 – 44.4)	39.4	(37.7 – 41.0)
<b>Immunization</b>				
Adults aged 65+ who had a flu shot in past year	58.0	(49.3 – 66.6)	60.8	(57.6 – 63.9)
Adults aged 65+ who have ever had a pneumococcal vaccination	72.4	(64.5 – 80.2)	74.4	(71.5 – 77.3)
<b>Overweight and Obesity (BMI)</b>				
Adults who are overweight (BMI = 25.0 – 29.9)	37.7	(32.4 – 43.0)	33.5	(31.8 – 35.2)
Adults who are obese (BMI ≥ 30.0)	37.2	(31.7 – 42.8)	34.3	(32.6 – 36.0)
<b>Physical Activity</b>				
Adults who participate in any physical activity	61.8	(56.5 – 67.2)	65.6	(63.9 – 67.3)
<b>Respiratory Disease</b>				
Adults who currently have asthma	7.8	(5.0 – 10.6)	10.7	(9.6 – 11.8)
Adults who have COPD, emphysema, or chronic bronchitis	9.9	(7.0 – 12.9)	12.2	(11.1 – 13.3)
<b>Tobacco Use</b>				
Adults who are current smokers	25.7	(20.7 – 30.7)	24.6	(23.0 – 26.2)

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.  
 N/A = Not available if the unweighted sample size for the denominator was < 50 or the CI half width was > 10 for any cell.  
 Total number of responses in Purchase ADD, N=511

**Data Source: Kentucky Behavior Risk Factor Survey 2017**