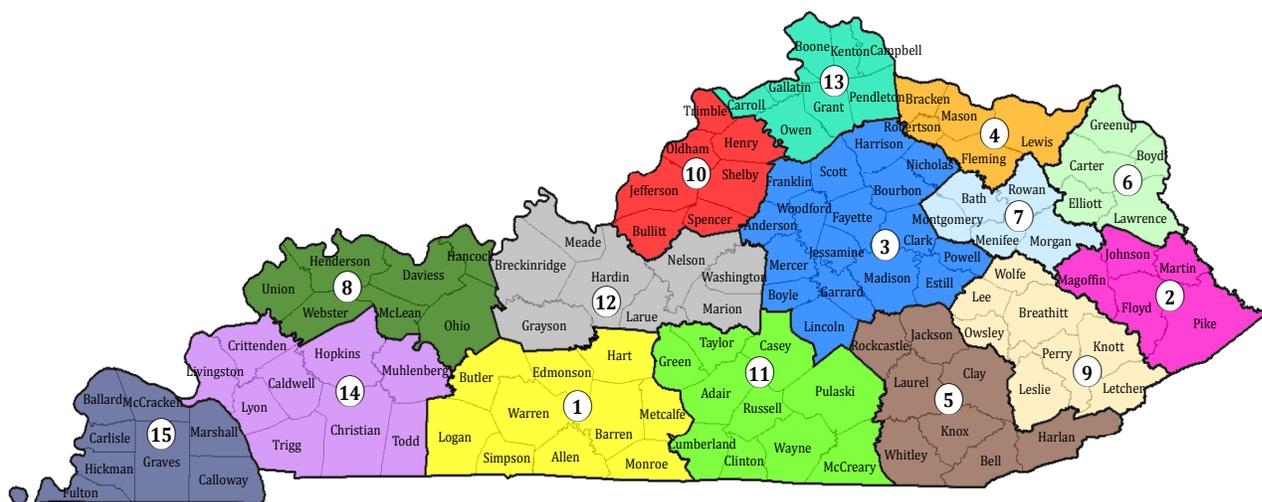


Kentucky Area Development District (ADD) Profiles Behavioral Risk Factor Surveillance System (BRFSS)

Data Source: Kentucky Behavior Risk Factor Survey 2015

2016



Kentucky Public Health
Prevent. Promote. Protect.

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

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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 2015. 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 a single stratum. However, to provide adequate sample sizes for smaller geographically defined populations of interest, some states sample disproportionately from strata defined to correspond to sub-state regions. In Kentucky we sample all fifteen Area Development Districts (ADD), each of which has 500 completes, so we currently have fifteen 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 Area Development Districts so the local health departments can use this data for strategic planning and prioritize 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. The program hopes that this report will be useful in assisting the districts in identifying the health needs within their region.

There were two major changes in BRFSS protocol occurred in 2011 and are discussed in detail in the June 8, 2012, MMWR Policy Note "*Methodologic Changes in the Behavioral Risk Factor Surveillance System in 2011 and Potential Effects on Prevalence Estimates.*" This note is available online at the CDC Surveillance resource Center <http://www.cdc.gov/surveillancepractice/reports/brfss/brfss.html>.

Additionally, the KyBRFS program released a report tailored to the changes seen in Kentucky data. It is entitled "*Effect of Changes in BRFSS Protocols on 2011 Behavioral Risk Factor Surveillance Data in Kentucky*" and can be obtained from the Kentucky BRFSS website <http://chfs.ky.gov/brfss>.

The 2015 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 2015 KyBRFS data should only be compared to 2011 - 2014 KyBRFS data. It is not directly comparable to KyBRFS data collected before 2011. Comparing 2015 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 2015 KyBRFS. Kentucky has 120 Counties that are divided into 15 ADDs for the planning of a variety of programs. Data for this report are analyzed by ADDs, rather than by county, because sample sizes for most counties are too small to provide statistically reliable estimates. Statewide and nationwide prevalence estimates have been included for comparison.

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

This report was prepared by Dr. Sarojini Kanotra, KyBRFS Program Director/Epidemiologist and Coordinator and Judes Boulay, KyBRFS Epidemiologist. Questions concerning this report should be directed to Sarojini.Kanotra@ky.gov.

Suggested citation: *Kentucky Behavioral Risk Factor Survey (KyBRFS) Data*. Department for Public Health, Cabinet for Health and Family Services, Frankfort, Kentucky, [2015]

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

List of Variables	Nationwide * (States and DC)	Kentucky	
	Median %	%	95% CI
Alcohol Consumption			
Adults who reported heavy drinking	5.9	5.9	4.9 – 6.9
Adults who reported binge drinking	16.3	15.3	13.8 – 16.8
Arthritis			
Adults who have arthritis	25.3	32.0	30.4 – 33.5
Cardiovascular Disease			
Adults who have ever had a heart attack	4.2	6.7	5.9 – 7.4
Adults who have coronary heart disease	3.9	6.0	5.3 – 6.7
Adults who have ever had a stroke	3.0	4.3	3.7 – 4.9
Cholesterol Awareness			
Adults who had their blood cholesterol checked in past 5 years	77.7	76.5	74.8 – 78.2
Adults with high blood cholesterol	36.3	40.7	38.9 – 42.4
Depression			
Adults who have ever been diagnosed with a depressive disorder	19.0	18.8	17.4 – 20.1
Diabetes			
Adults who have diabetes	9.9	13.4	12.3 – 14.6
Disability			
Adults with limited activity due to physical, mental, or emotional problems	20.6	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	8.5	10.5	9.5 – 11.4
General Health Status			
Adults who reported good or better health	83.6	77.8	76.5 – 79.1
Health Care Access/Coverage			
Adults who have health care coverage	89.2	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	87.0	91.9	90.7 – 93.2
HIV Screening Test			
Adults who have ever been tested for HIV	36.3	35.9	34.0 – 37.7
Hypertension Awareness			
Adults who have high blood pressure	30.9	39.0	37.3 – 40.6
Immunization			
Adults aged 65+ who had a flu shot in past year	61.3	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	72.7	74.1	71.5 – 76.8
Overweight and Obesity (BMI)			
Adults who are overweight (BMI = 25.0 – 29.9)	35.5	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	29.8	34.6	32.9 – 36.3
Physical Activity			
Adults who participate in any physical activity	73.8	67.5	65.8 – 69.2
Respiratory Disease			
Adults who currently have asthma	9.2	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	6.2	12.1	11.0 – 13.2
Tobacco Use			
Adults who are current smokers	17.5	26.0	24.3 – 27.6

*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, [2015]

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

Barren River ADD	Barren River		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	5.1	2.2 – 7.9	5.9	4.9 – 6.9
Adults who reported binge drinking	11.6	7.8 – 15.4	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	32.2	27.4 – 36.9	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	7.8	5.1 – 10.5	6.7	5.9 – 7.4
Adults who have coronary heart disease	7.0	4.7 – 9.3	6.0	5.3 – 6.7
Adults who have ever had a stroke	4.6	2.6 – 6.6	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	76.2	70.6 – 81.8	76.5	74.8 – 78.2
Adults with high blood cholesterol	41.6	36.0 – 47.2	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	21.7	17.1 – 26.3	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	10.1	7.1 – 13.1	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	29.3	24.2 – 34.4	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	10.6	7.5 – 13.7	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	75.5	70.8 – 80.3	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	93.1	89.8 – 96.4	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	91.5	87.3 – 95.6	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	25.5	20.5 – 30.6	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	35.9	30.7 – 41.0	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	66.8	57.4 – 76.3	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	73.8	64.6 – 83.0	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	34.9	29.5 – 40.3	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	34.9	29.5 – 40.4	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	69.6	64.5 – 74.7	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	12.7	8.8 – 16.6	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	10.1	7.0 – 13.2	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	23.9	18.7 – 29.1	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Big Sandy ADD	Big Sandy		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	0.3	0.0 – 0.6	5.9	4.9 – 6.9
Adults who reported binge drinking	6.8	3.8 – 9.8	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	44.3	38.8 – 49.7	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	8.1	5.5 – 10.8	6.7	5.9 – 7.4
Adults who have coronary heart disease	9.1	6.4 – 11.9	6.0	5.3 – 6.7
Adults who have ever had a stroke	4.8	2.7 – 7.0	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	82.3	78.3 – 86.4	76.5	74.8 – 78.2
Adults with high blood cholesterol	47.4	41.9 – 52.8	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	24.0	19.7 – 28.3	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	17.3	13.7 – 21.0	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	38.1	32.5 – 43.7	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	17.0	13.5 – 20.5	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	62.1	56.7 – 67.4	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	94.0	91.7 – 96.2	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	93.0	90.2 – 95.7	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	27.9	21.8 – 34.0	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	50.0	45.0 – 55.0	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	69.0	59.2 – 78.8	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	77.9	70.1 – 85.7	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	29.7	24.8 – 34.6	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	45.3	39.5 – 51.1	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	64.0	58.4 – 69.7	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	15.2	10.7 – 19.7	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	19.2	15.3 – 23.1	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	24.1	19.7 – 28.5	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Bluegrass ADD	Bluegrass		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	8.4	5.4 – 11.4	5.9	4.9 – 6.9
Adults who reported binge drinking	19.0	14.7 – 23.2	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	29.1	24.4 – 33.8	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	4.3	1.9 – 6.8	6.7	5.9 – 7.4
Adults who have coronary heart disease	3.6	1.7 – 5.6	6.0	5.3 – 6.7
Adults who have ever had a stroke	3.4	1.7 – 5.0	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	75.7	70.6 – 80.8	76.5	74.8 – 78.2
Adults with high blood cholesterol	38.1	32.6 – 43.6	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	18.7	14.0 – 23.4	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	16.2	12.3 – 20.2	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	28.1	23.3 – 33.0	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	9.1	6.6 – 11.7	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	83.0	79.2 – 86.9	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	92.5	88.9 – 96.0	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	91.3	87.1 – 95.5	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	38.6	33.1 – 44.2	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	38.1	33.0 – 43.1	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	69.1	58.9 – 79.3	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	77.0	68.6 – 85.5	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	27.2	22.7 – 31.7	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	36.4	31.1 – 41.7	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	71.4	66.5 – 76.3	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	12.4	8.0 – 16.7	11.9	11.0 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	10.4	7.3 – 13.5	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	26.2	21.0 – 31.4	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Buffalo Trace ADD	Buffalo Trace		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	2.9	0.9 – 5.0	5.9	4.9 – 6.9
Adults who reported binge drinking	8.7	4.5 – 12.8	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	33.2	25.5 – 40.9	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	11.2	5.8 – 16.6	6.7	5.9 – 7.4
Adults who have coronary heart disease	7.7	4.6 – 10.9	6.0	5.3 – 6.7
Adults who have ever had a stroke	7.4	3.6 – 11.3	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	69.1	59.0 – 79.3	76.5	74.8 – 78.2
Adults with high blood cholesterol	45.8	36.7 – 54.9	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	21.0	13.4 – 28.6	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	10.8	7.0 – 14.5	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	31.1	22.9 – 39.3	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	9.0	4.9 – 13.2	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	70.2	62.1 – 78.3	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	89.5	82.4 – 96.5	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	89.2	80.5 – 97.9	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	37.1	27.7 – 46.4	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	44.2	35.4 – 52.9	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	61.6	46.0 – 77.1	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	62.6	47.3 – 77.9	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	38.4	28.8 – 47.9	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	36.1	27.1 – 45.2	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	62.6	53.1 – 72.1	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	16.7	9.9 – 23.6	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	15.9	10.7 – 21.2	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	33.3	24.5 – 42.2	26.0	24.3 – 27.3

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Cumberland Valley ADD	Cumberland Valley		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	3.2	1.7 – 4.7	5.9	4.9 – 6.9
Adults who reported binge drinking	6.7	4.1 – 9.3	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	42.2	36.6 – 47.9	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	9.6	6.5 – 12.6	6.7	5.9 – 7.4
Adults who have coronary heart disease	7.9	5.2 – 10.6	6.0	5.3 – 6.7
Adults who have ever had a stroke	5.6	3.3 – 7.8	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	78.4	72.7 – 84.1	76.5	74.8 – 78.2
Adults with high blood cholesterol	55.8	50.0 – 61.6	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	24.4	19.7 – 29.1	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	17.5	13.7 – 21.4	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	35.0	29.6 – 40.4	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	13.3	9.9 – 16.7	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	64.6	59.3 – 69.9	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	92.0	89.1 – 94.9	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	90.4	86.8 – 94.0	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	36.4	29.9 – 42.9	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	47.4	41.8 – 53.1	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	65.5	55.3 – 75.7	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	79.3	71.8 – 86.7	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	34.9	29.4 – 40.4	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	38.1	32.1 – 44.2	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	57.7	51.8 – 63.6	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	14.1	10.3 – 17.9	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	16.5	12.5 – 20.4	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	32.3	26.7 – 37.9	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

FIVCO ADD	FIVCO		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	4.2	1.3 – 7.1	5.9	4.9 – 6.9
Adults who reported binge drinking	11.1	6.6 – 15.6	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	35.3	30.2 – 40.4	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	7.9	5.3 – 10.5	6.7	5.9 – 7.4
Adults who have coronary heart disease	9.0	6.0 – 11.9	6.0	5.3 – 6.7
Adults who have ever had a stroke	5.9	2.9 – 8.8	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	77.4	71.9 – 82.9	76.5	74.8 – 78.2
Adults with high blood cholesterol	40.8	35.2 – 46.5	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	23.3	18.5 – 28.1	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	17.1	13.2 – 20.9	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	33.4	28.0 – 38.7	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	12.7	9.2 – 16.2	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	69.4	64.5 – 74.4	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	94.5	91.8 – 97.1	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	93.0	89.5 – 96.4	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	26.1	20.7 – 31.6	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	46.2	40.7 – 51.7	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	67.9	57.2 – 78.7	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	84.1	76.5 – 91.6	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	34.0	28.2 – 39.9	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	39.6	33.9 – 45.4	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	61.7	55.9 – 67.4	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	14.3	10.5 – 18.0	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	16.4	12.4 – 20.4	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	21.8	17.2 – 26.5	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Gateway ADD	Gateway		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	5.1	2.1 – 8.1	5.9	4.9 – 6.9
Adults who reported binge drinking	16.3	11.3 – 21.4	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	38.1	31.5 – 44.6	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	7.0	3.5 – 10.4	6.7	5.9 – 7.4
Adults who have coronary heart disease	8.3	5.0 – 11.5	6.0	5.3 – 6.7
Adults who have ever had a stroke	3.8	1.5 – 6.1	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	71.8	65.3 – 78.4	76.5	74.8 – 78.2
Adults with high blood cholesterol	43.5	35.6 – 51.5	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	23.4	17.1 – 29.6	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	12.8	8.8 – 16.8	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	31.1	24.9 – 37.3	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	14.5	9.6 – 19.4	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	69.2	62.8 – 75.6	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	87.0	81.0 – 93.0	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	84.0	76.5 – 91.4	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	26.2	19.2 – 33.3	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	45.0	38.2 – 51.9	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	68.4	56.5 – 80.2	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	64.6	52.1 – 77.1	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	37.7	30.6 – 44.7	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	36.4	29.5 – 43.4	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	60.4	53.3 – 67.5	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	12.2	7.5 – 16.8	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	16.2	11.1 – 21.2	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	25.6	19.2 – 32.0	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Green River ADD	Green River		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	3.3	0.9 – 5.8	5.9	4.9 – 6.9
Adults who reported binge drinking	12.5	7.8 – 17.3	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	27.5	22.4 – 32.6	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	6.7	3.9 – 9.4	6.7	5.9 – 7.4
Adults who have coronary heart disease	6.1	3.5 – 8.7	6.0	5.3 – 6.7
Adults who have ever had a stroke	4.6	1.9 – 7.3	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	71.7	64.7 – 78.6	76.5	74.8 – 78.2
Adults with high blood cholesterol	47.2	40.6 – 53.8	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	19.0	13.9 – 24.2	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	12.1	8.7 – 15.6	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	21.8	16.8 – 26.9	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	9.1	6.0 – 12.1	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	81.2	76.4 – 86.0	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	92.4	87.9 – 96.8	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	90.1	84.4 – 95.9	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	36.6	29.8 – 43.3	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	38.3	32.3 – 44.3	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	60.5	51.2 – 69.8	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	60.8	51.4 – 70.1	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	33.4	27.2 – 39.7	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	30.1	24.4 – 35.9	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	63.7	57.2 – 70.3	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	11.4	6.5 – 16.4	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	10.2	6.8 – 13.7	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	27.2	21.3 – 33.2	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Kentucky River ADD	Kentucky River		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	4.0	1.6 – 6.4	5.9	4.9 – 6.9
Adults who reported binge drinking	8.0	5.0 – 11.1	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	45.8	40.3 – 51.3	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	8.3	5.5 – 11.1	6.7	5.9 – 7.4
Adults who have coronary heart disease	8.6	5.8 – 11.5	6.0	5.3 – 6.7
Adults who have ever had a stroke	2.8	1.3 – 4.3	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	81.2	76.4 – 86.1	76.5	74.8 – 78.2
Adults with high blood cholesterol	47.2	41.4 – 53.0	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	24.6	19.6 – 29.6	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	18.2	13.9 – 22.5	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	36.8	31.4 – 42.2	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	15.7	12.1 – 19.3	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	61.1	55.7 – 66.4	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	95.9	94.0 – 97.8	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	95.2	92.8 – 97.6	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	33.7	28.1 – 39.2	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	48.7	43.3 – 54.2	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	56.3	45.2 – 67.3	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	64.5	53.7 – 75.3	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	28.6	23.8 – 33.4	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	41.7	36.0 – 47.4	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	59.7	54.0 – 65.4	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	12.3	8.7 – 15.9	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	17.2	13.1 – 21.3	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	28.6	23.4 – 33.7	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

KIPDA ADD	KIPDA		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	7.0	4.2 – 9.8	5.9	4.9 – 6.9
Adults who reported binge drinking	19.9	15.9 – 23.8	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	31.3	27.4 – 35.2	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	5.8	4.1 – 7.5	6.7	5.9 – 7.4
Adults who have coronary heart disease	6.2	4.3 – 8.0	6.0	5.3 – 6.7
Adults who have ever had a stroke	3.9	2.5 – 5.4	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	76.8	72.8 – 80.9	76.5	74.8 – 78.2
Adults with high blood cholesterol	35.7	31.2 – 40.1	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	16.4	13.4 – 19.5	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	12.4	9.8 – 15.0	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	22.1	18.5 – 25.7	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	8.3	6.1 – 10.5	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	80.5	77.1 – 84.0	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	93.3	90.9 – 95.7	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	93.2	90.3 – 96.0	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	40.2	35.4 – 45.0	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	35.5	31.5 – 39.5	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	70.1	62.9 – 77.3	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	70.9	63.6 – 78.2	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	33.0	28.6 – 37.3	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	32.8	28.5 – 37.1	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	68.8	64.4 – 73.1	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	11.8	8.8 – 14.8	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	11.4	8.6 – 14.1	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	25.4	21.1 – 29.6	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Lake Cumberland ADD	Lake Cumberland		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	4.6	2.1 – 7.1	5.9	4.9 – 6.9
Adults who reported binge drinking	7.9	5.1 – 10.7	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	35.7	30.8 – 40.6	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	9.6	6.7 – 12.6	6.7	5.9 – 7.4
Adults who have coronary heart disease	8.3	5.3 – 11.2	6.0	5.3 – 6.7
Adults who have ever had a stroke	4.7	2.4 – 6.9	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	74.9	69.7 – 80.2	76.5	74.8 – 78.2
Adults with high blood cholesterol	48.1	42.4 – 53.9	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	18.3	14.2 – 22.3	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	14.8	11.3 – 18.4	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	30.0	25.3 – 34.7	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	13.4	9.9 – 16.8	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	69.4	64.4 – 74.4	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	93.5	90.9 – 96.1	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	92.4	89.2 – 95.7	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	31.9	26.2 – 37.5	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	42.4	37.3 – 47.4	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	68.9	60.2 – 77.5	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	81.4	74.8 – 88.0	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	34.9	29.7 – 40.2	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	38.4	33.0 – 43.8	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	61.2	55.9 – 66.6	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	15.5	11.7 – 19.3	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	14.8	11.1 – 18.4	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	30.8	25.4 – 36.1	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Lincoln Trail ADD	Lincoln Trail		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	4.0	1.3 – 6.8	5.9	4.9 – 6.9
Adults who reported binge drinking	13.2	8.7 – 17.6	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	32.7	27.5 – 37.8	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	7.1	4.3 – 10.0	6.7	5.9 – 7.4
Adults who have coronary heart disease	6.9	4.0 – 9.9	6.0	5.3 – 6.7
Adults who have ever had a stroke	4.1	1.8 – 6.4	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	77.5	72.1 – 82.9	76.5	74.8 – 78.2
Adults with high blood cholesterol	43.7	37.6 – 49.7	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	17.3	13.1 – 21.5	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	15.9	12.0 – 19.8	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	25.6	20.8 – 30.5	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	11.7	8.2 – 15.1	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	78.1	73.7 – 82.5	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	90.8	87.0 – 94.6	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	88.9	84.2 – 93.5	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	39.0	32.9 – 45.1	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	38.7	33.4 – 44.0	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	69.2	60.3 – 78.0	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	73.1	65.1 – 81.1	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	36.5	31.0 – 42.0	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	34.7	29.0 – 40.3	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	67.6	61.8 – 73.4	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	10.0	6.5 – 13.5	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	12.4	8.7 – 16.2	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	26.0	20.6 – 31.3	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Northern Kentucky ADD	Northern Kentucky		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	7.7	4.3 – 11.2	5.9	4.9 – 6.9
Adults who reported binge drinking	20.1	14.9 – 25.4	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	26.1	21.6 – 30.6	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	6.1	3.4 – 8.9	6.7	5.9 – 7.4
Adults who have coronary heart disease	3.9	2.4 – 5.4	6.0	5.3 – 6.7
Adults who have ever had a stroke	4.5	2.5 – 6.6	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	75.3	69.2 – 81.4	76.5	74.8 – 78.2
Adults with high blood cholesterol	34.2	29.1 – 39.3	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	16.8	12.5 – 21.0	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	7.8	5.7 – 9.8	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	21.8	17.2 – 26.4	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	8.4	5.7 – 11.1	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	85.8	82.3 – 89.4	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	96.4	94.1 – 98.7	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	95.6	92.8 – 98.3	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	34.5	28.2 – 40.8	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	34.5	29.5 – 39.5	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	68.0	59.1 – 76.8	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	84.2	77.0 – 91.4	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	31.9	26.1 – 37.6	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	29.8	24.4 – 35.2	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	73.3	68.1 – 78.5	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	6.8	4.4 – 9.1	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	8.6	5.3 – 12.0	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	24.4	18.6 – 30.2	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Pennyrile ADD	Pennyrile		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	4.5	1.1 – 7.9	5.9	4.9 – 6.9
Adults who reported binge drinking	13.5	8.5 – 18.5	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	29.5	24.6 – 34.4	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	6.8	3.8 – 9.9	6.7	5.9 – 7.4
Adults who have coronary heart disease	5.5	2.9 – 8.0	6.0	5.3 – 6.7
Adults who have ever had a stroke	6.1	2.8 – 9.4	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	77.3	71.4 – 83.1	76.5	74.8 – 78.2
Adults with high blood cholesterol	40.1	33.9 – 46.4	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	18.7	14.0 – 23.3	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	11.3	7.5 – 15.0	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	24.2	19.3 – 29.1	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	12.7	8.6 – 16.8	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	78.7	74.1 – 83.4	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	90.1	85.8 – 94.4	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	87.8	82.4 – 93.3	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	39.1	32.5 – 45.7	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	38.9	33.2 – 44.5	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	63.1	53.3 – 72.8	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	66.3	56.6 – 76.1	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	34.5	28.5 – 40.5	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	30.2	24.3 – 36.1	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	65.3	59.4 – 71.3	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	11.8	7.6 – 16.0	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	12.3	8.2 – 16.4	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	28.1	22.2 – 34.0	26.0	24.3 – 27.6

% = Percentage, CI = Confidence Interval. All Percentages are weighted to population characteristics.
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Data Source: Kentucky Behavior Risk Factor Survey 2015

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

Purchase ADD	Purchase		Kentucky	
	%	95% CI	%	95% CI
Alcohol Consumption				
Adults who reported heavy drinking	5.7	2.6 – 8.8	5.9	4.9 – 6.9
Adults who reported binge drinking	12.9	8.6 – 17.1	15.3	13.8 – 16.8
Arthritis				
Adults who have arthritis	28.1	23.5 – 32.7	32.0	30.4 – 33.5
Cardiovascular Disease				
Adults who have ever had a heart attack	8.1	5.0 – 11.1	6.7	5.9 – 7.4
Adults who have coronary heart disease	6.1	3.9 – 8.4	6.0	5.3 – 6.7
Adults who have ever had a stroke	3.3	1.7 – 4.9	4.3	3.7 – 4.9
Cholesterol Awareness				
Adults who had their blood cholesterol checked in past 5 years	80.8	76.1 – 85.5	76.5	74.8 – 78.2
Adults with high blood cholesterol	40.9	35.1 – 46.6	40.7	38.9 – 42.4
Depression				
Adults who have ever been diagnosed with a depressive disorder	13.0	9.8 – 16.2	18.8	17.4 – 20.1
Diabetes				
Adults who have diabetes	11.9	8.9 – 15.0	13.4	12.3 – 14.6
Disability				
Adults with limited activity due to physical, mental, or emotional problems	21.8	17.5 – 26.0	26.5	25.0 – 28.0
Adults with health problem(s) that requires the use of special equipment	11.7	8.0 – 15.4	10.5	9.5 – 11.4
General Health Status				
Adults who reported good or better health	79.6	75.5 – 83.8	77.8	76.5 – 79.1
Health Care Access/Coverage				
Adults who have health care coverage	94.8	92.2 – 97.4	93.1	92.0 – 94.1
Adults aged 18-64 who have health care coverage	93.3	89.9 – 96.8	91.9	90.7 – 93.2
HIV Screening Test				
Adults who have ever been tested for HIV	33.8	28.0 – 39.5	35.9	34.0 – 37.7
Hypertension Awareness				
Adults who have high blood pressure	39.2	34.1 – 44.3	39.0	37.3 – 40.6
Immunization				
Adults aged 65+ who had a flu shot in past year	63.4	55.5 – 71.3	67.3	64.4 – 70.3
Adults aged 65+ who have ever had a pneumococcal vaccination	71.3	63.9 – 78.6	74.1	71.5 – 76.8
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	36.8	31.2 – 42.4	32.6	30.9 – 34.3
Adults who are obese (BMI ≥ 30.0)	30.6	25.3 – 35.8	34.6	32.9 – 36.3
Physical Activity				
Adults who participate in any physical activity	69.1	63.7 – 74.5	67.5	65.8 – 69.2
Respiratory Disease				
Adults who currently have asthma	10.7	7.0 – 14.5	11.9	10.6 – 13.1
Adults who have COPD, emphysema, or chronic bronchitis	12.2	8.4 – 16.0	12.1	11.0 – 13.2
Tobacco Use				
Adults who are current smokers	18.7	14.3 – 23.2	26.0	24.3 – 27.6

% = 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.

Data Source: Kentucky Behavior Risk Factor Survey 2015

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