

**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 2016. 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. Kentucky has fifteen Area Development Districts (ADD), and we sample all of these ADDs. Thirteen ADDs are sampled individually and each yields 500 completes. We combined Buffalo Trace and Gateway to get 500 completes from these two districts. 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 Area Development Districts so the local health departments and other groups 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 which 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 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 2016 KyBRFS data should only be compared to 2011 - 2015 KyBRFS data. It is not directly comparable to KyBRFS data collected before 2011. Comparing 2016 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 2016 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

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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
Alcohol Consumption			
Adults who reported heavy drinking	6.5	6.2	5.4 – 7.0
Adults who reported binge drinking	16.9	14.6	13.5 – 15.8
Arthritis			
Adults who have arthritis	25.8	33.5	32.2 – 34.8
Cardiovascular Disease			
Adults who have ever had a heart attack	4.4	7.2	6.4 – 8.0
Adults who have coronary heart disease	4.1	6.7	6.0 – 7.5
Adults who have ever had a stroke	3.1	4.5	3.9 – 5.0
Colorectal Cancer Screening			
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	69.4	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	67.7	70.1	68.2 – 72.0
Depression			
Adults who have ever been diagnosed with a depressive disorder	17.4	23.3	22.0 – 24.5
Diabetes			
Adults who have diabetes	10.5	13.1	12.2 – 14.0
Disability			
Adults with limited activity due to physical, mental, or emotional problems	NA	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	NA	10.1	9.2 – 11.0
General Health Status			
Adults who reported good or better health	83.6	77.5	76.4 – 78.7
Health Care Access/Coverage			
Adults who have health care coverage	90.0	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	87.7	93.2	92.2 – 94.1
HIV Screening Test			
Adults who have ever been tested for HIV	35.6	32.7	31.2 – 34.2
Immunization			
Adults aged 65+ who had a flu shot in past year	58.6	59.4	56.9 – 62.0
Adults aged 65+ who have ever had a pneumococcal vaccination	73.4	72.6	70.3 – 74.9
Oral Health			
Adults aged 65+ who had all their natural teeth extracted	14.2	22.0	19.8 – 24.3
Adults who visited dentist or dental clinic past year	66.4	61.8	60.4 – 63.3
Overweight and Obesity (BMI)			
Adults who are overweight (BMI = 25.0 – 29.9)	35.3	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	29.9	34.2	32.7 – 35.6
Physical Activity			
Adults who participate in any physical activity	76.9	70.2	68.8 – 71.6
Prostate Cancer			
Men aged 40+ who had a PSA test within the past two years	39.5	41.1	38.4 – 43.8
Respiratory Disease			
Adults who currently have asthma	9.3	11.6	10.6 – 12.5
Adults who have COPD, emphysema, or chronic bronchitis	6.3	11.4	10.5 – 12.3
Tobacco Use			
Adults who are current smokers	17.1	24.5	23.1 – 25.8
Women's Health			
Women aged 21-65 who had a Pap test within the past three years	80.2	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	72.5	72.9	70.8 – 74.9

*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, [2016]

NA=Data not Available

Total number of responses in Kentucky, N=10265

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	5.9	3.2 – 8.6	6.2	5.4 – 7.0
Adults who reported binge drinking	10.8	7.0 – 14.6	14.6	13.4 – 15.8
Arthritis				
Adults who have arthritis	35.2	30.2 – 40.1	33.5	32.1 – 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	9.7	6.4 – 13.1	7.2	6.4 – 8.0
Adults who have coronary heart disease	6.8	4.1 – 9.4	6.7	5.9 – 7.5
Adults who have ever had a stroke	5.7	3.3 – 8.0	4.5	3.9 – 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	71.7	65.4 – 78.0	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	66.9	59.5 – 74.2	70.1	68.2 – 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	20.6	16.5 – 24.7	23.3	22.1 – 24.5
Diabetes				
Adults who have diabetes	12.3	8.9 – 15.6	13.1	12.1 – 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	26.3	21.5 – 31.1	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	8.3	5.7 – 11.0	10.1	9.1 – 11.1
General Health Status				
Adults who reported good or better health	76.1	71.6 – 80.5	77.5	76.3 – 78.7
Health Care Access/Coverage				
Adults who have health care coverage	91.8	88.3 – 95.3	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	89.7	85.3 – 94.1	93.2	92.2 – 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	25.5	20.4 – 30.6	32.7	31.1 – 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	61.8	52.3 – 71.3	59.4	56.9 – 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	66.3	56.8 – 75.7	72.6	70.2 – 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	58.9	53.5 – 64.2	22.0	19.8 – 24.2
Adults who visited dentist or dental clinic past year	51.7	46.4 – 57.1	61.8	60.2 – 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	34.0	28.9 – 39.0	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	31.7	26.6 – 36.8	34.2	32.7 – 35.6
Physical Activity				
Adults who participate in any physical activity	67.1	62.1 – 72.2	70.2	68.8 – 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	34.8	24.7 – 45.3	41.1	38.4 – 43.8
Respiratory Disease				
Adults who currently have asthma	9.4	6.5 – 12.4	11.6	10.6 – 12.6
Adults who have COPD, emphysema, or chronic bronchitis	11.2	7.8 – 14.5	11.4	10.6 – 12.2
Tobacco Use				
Adults who are current smokers	24.4	19.7 – 29.0	24.5	23.1 – 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	78.3	70.8 – 85.8	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	68.3	61.0 – 75.6	72.9	70.9 – 74.9

% = 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=548

Data Source: Kentucky Behavior Risk Factor Survey 2016

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	2.9	1.2 – 4.6	6.2	5.4 – 7.0
Adults who reported binge drinking	7.2	4.0 – 10.5	14.6	13.4 – 15.8
Arthritis				
Adults who have arthritis	44.8	39.1 – 50.4	33.5	32.1 – 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	9.5	6.4 – 12.6	7.2	6.4 – 8.0
Adults who have coronary heart disease	8.6	5.6 – 11.6	6.7	5.9 – 7.5
Adults who have ever had a stroke	4.9	2.5 – 7.4	4.5	3.9 – 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	60.1	52.8 – 67.3	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	59.9	52.0 – 67.7	70.1	68.2 – 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	34.4	28.9 – 39.9	23.3	22.1 – 24.5
Diabetes				
Adults who have diabetes	17.4	13.2 – 21.7	13.1	12.1 – 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	38.1	32.6 – 43.6	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	15.3	11.5 – 19.2	10.1	9.1 – 11.1
General Health Status				
Adults who reported good or better health	60.3	54.7 – 65.9	77.5	76.3 – 78.7
Health Care Access/Coverage				
Adults who have health care coverage	95.8	93.8 – 97.8	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	95.0	92.5 – 97.5	93.2	92.2 – 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	30.2	24.7 – 35.6	32.7	31.1 – 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	58.4	48.1 – 68.8	59.4	56.9 – 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	69.6	60.3 – 79.0	72.6	70.2 – 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	23.4	14.4 – 32.5	22.0	19.8 – 24.2
Adults who visited dentist or dental clinic past year	58.0	52.3 – 63.7	61.8	60.2 – 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	32.3	26.8 – 37.7	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	41.5	35.6 – 47.3	34.2	32.7 – 35.6
Physical Activity				
Adults who participate in any physical activity	61.8	56.3 – 67.2	70.2	68.8 – 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	34.8	25.9 – 43.7	41.1	38.4 – 43.8
Respiratory Disease				
Adults who currently have asthma	16.0	11.8 – 20.2	11.6	10.6 – 12.6
Adults who have COPD, emphysema, or chronic bronchitis	23.7	18.7 – 28.7	11.4	10.6 – 12.2
Tobacco Use				
Adults who are current smokers	29.1	23.6 – 34.6	24.5	23.1 – 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	80.1	72.3 – 88.0	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	69.7	61.6 – 77.7	72.9	70.9 – 74.9

% = 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=520

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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	7.7	4.8 - 10.6	6.2	5.4 - 7.0
Adults who reported binge drinking	16.5	12.6 - 20.5	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	25.9	21.7 - 30.2	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	6.0	3.1 - 8.8	7.2	6.4 - 8.0
Adults who have coronary heart disease	4.6	2.2 - 7.0	6.7	5.9 - 7.5
Adults who have ever had a stroke	3.6	2.0 - 5.4	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	76.8	70.6 - 83.0	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	75.0	68.4 - 81.7	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	16.3	12.7 - 20.0	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	11.9	8.9 - 15.0	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	17.1	13.6 - 20.6	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	8.3	5.2 - 11.4	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	84.7	81.1 - 88.4	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	97.0	94.8 - 99.2	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	96.3	93.5 - 99.2	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	33.7	28.5 - 38.9	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	59.3	50.0 - 68.7	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	76.5	69.1 - 84.0	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	18.0	10.2 - 25.9	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	65.0	60.0 - 70.1	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	35.3	30.3 - 40.4	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	31.9	26.9 - 36.8	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	74.6	69.8 - 79.3	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	46.6	35.7- 57.2	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	10.2	7.3 - 13.1	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	8.0	5.4 - 10.5	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	18.8	14.5 - 23.1	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	84.2	77.2 - 91.2	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	69.3	61.7 - 76.9	72.9	70.9 - 74.9

% = 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=712

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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
Alcohol Consumption				
Adults who reported heavy drinking	4.3	2.2 – 6.4	6.2	5.4 – 7.0
Adults who reported binge drinking	10.7	7.4 - 14.1	14.6	13.4 – 15.8
Arthritis				
Adults who have arthritis	40.7	35.3 – 46.2	33.5	32.1 – 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	8.1	5.1 – 11.1	7.2	6.4 – 8.0
Adults who have coronary heart disease	10.2	6.9 – 13.5	6.7	5.9 – 7.5
Adults who have ever had a stroke	4.0	1.8 – 6.1	4.5	3.9 – 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	64.6	57.7 – 71.4	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	61.8	54.1 – 69.4	70.1	68.2 – 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	27.3	22.3 – 32.3	23.3	22.1 – 24.5
Diabetes				
Adults who have diabetes	13.0	9.7 – 16.4	13.1	12.1 – 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	29.7	24.7 – 34.5	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	9.4	6.6 – 12.1	10.1	9.1 – 11.1
General Health Status				
Adults who reported good or better health	69.6	64.6 – 74.7	77.5	76.3 – 78.7
Health Care Access/Coverage				
Adults who have health care coverage	90.5	86.5 – 95.0	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	88.6	83.6 – 93.6	93.2	92.2 – 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	31.9	26.2 – 37.6	32.7	31.1 – 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	58.5	48.2 – 68.9	59.4	56.9 – 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	72.6	63.4 – 81.8	72.6	70.2 – 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	32.4	22.6 – 43.1	22.0	19.8 – 24.2
Adults who visited dentist or dental clinic past year	56.2	50.6 – 61.8	61.8	60.2 – 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	35.8	30.3 – 41.2	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	38.5	32.9 – 44.1	34.2	32.7 – 35.6
Physical Activity				
Adults who participate in any physical activity	66.9	61.7 – 72.0	70.2	68.8 – 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	30.22	21.4 – 39.0	41.1	38.4 – 43.8
Respiratory Disease				
Adults who currently have asthma	12.9	9.2 – 16.8	11.6	10.6 – 12.6
Adults who have COPD, emphysema, or chronic bronchitis	14.4	10.6 – 18.1	11.4	10.6 – 12.2
Tobacco Use				
Adults who are current smokers	28.1	23.4 – 34.0	24.5	23.1 – 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	80.1	71.1 – 89.0	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	71.5	63.8 – 79.2	72.9	70.9 – 74.9

% = 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=500

Data Source: Kentucky Behavior Risk Factor Survey 2016

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	3.7	1.4 – 6.0	6.2	5.4 – 7.0
Adults who reported binge drinking	7.5	4.0 – 10.9	14.6	13.4 – 15.8
Arthritis				
Adults who have arthritis	48.1	42.2 – 54.0	33.5	32.1 – 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	9.0	5.9 – 12.1	7.2	6.4 – 8.0
Adults who have coronary heart disease	7.2	4.5 – 10.0	6.7	5.9 – 7.5
Adults who have ever had a stroke	5.6	3.2 – 8.0	4.5	3.9 – 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	71.7	65.4 – 78.0	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	66.8	59.1 – 74.6	70.1	68.2 – 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	30.8	25.6 – 36.0	23.3	22.1 – 24.5
Diabetes				
Adults who have diabetes	18.2	13.9 – 22.5	13.1	12.1 – 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	34.1	28.4 – 39.7	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	11.9	8.3 – 15.6	10.1	9.1 – 11.1
General Health Status				
Adults who reported good or better health	69.2	64.0 – 74.5	77.5	76.3 – 78.7
Health Care Access/Coverage				
Adults who have health care coverage	92.8	89.6 – 96.0	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	92.6	89.0 – 96.2	93.2	92.2 – 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	29.2	23.4 – 35.0	32.7	31.1 – 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	59.1	48.9 – 69.3	59.4	56.9 – 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	62.3	51.3 – 73.4	72.6	70.2 – 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	64.4	58.9 – 69.9	22.0	19.8 – 24.2
Adults who visited dentist or dental clinic past year	54.0	48.2 – 59.7	61.8	60.2 – 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	37.3	31.6 – 43.0	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	35.6	29.7 – 41.4	34.2	32.7 – 35.6
Physical Activity				
Adults who participate in any physical activity	61.0	55.3 – 66.7	70.2	68.8 – 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	36.3	26.4 – 46.2	41.1	38.4 – 43.8
Respiratory Disease				
Adults who currently have asthma	15.1	11.2 – 19.1	11.6	10.6 – 12.6
Adults who have COPD, emphysema, or chronic bronchitis	17.2	13.0 – 21.5	11.4	10.6 – 12.2
Tobacco Use				
Adults who are current smokers	32.7	26.9 – 38.5	24.5	23.1 – 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	67.1	57.3 – 77.0	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	65.3	56.4 – 74.2	72.9	70.9 – 74.9

% = 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=502

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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	3.0	1.2 - 4.8	6.2	5.4 - 7.0
Adults who reported binge drinking	8.6	5.8 - 11.4	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	37.3	32.1 - 42.4	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	9.2	6.3 - 12.1	7.2	6.4 - 8.0
Adults who have coronary heart disease	9.2	6.0 - 12.4	6.7	5.9 - 7.5
Adults who have ever had a stroke	3.6	1.7 - 5.4	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	73.9	67.9 - 79.9	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	71.1	64.4 - 77.8	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	25.5	20.8 - 30.1	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	20.1	15.8 - 24.5	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	33.9	28.7 - 39.2	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	13.5	9.5 - 17.5	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	66.1	60.8 - 71.3	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	93.7	91.0 - 96.3	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	91.9	88.5 - 95.4	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	30.2	25.2 - 35.3	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	64.7	54.3 - 75.1	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	85.7	79.0 - 92.4	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	27.9	16.8 - 39.1	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	56.7	51.3 - 62.0	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	30.7	25.7 - 35.8	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	43.2	37.5 - 48.8	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	69.9	65.0 - 74.7	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	37.9	28.2 - 47.5	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	14.5	11.0 - 18.0	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	14.4	10.7 - 18.1	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	24.2	19.5 - 29.0	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	72.4	62.1 - 82.6	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	67.3	59.5 - 75.1	72.9	70.9 - 74.9

% = 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=509

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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	5.7	2.7 – 8.7	6.2	5.4 – 7.0
Adults who reported binge drinking	12.7	8.0 – 17.4	14.6	13.4 – 15.8
Arthritis				
Adults who have arthritis	38.8	32.6 – 45.0	33.5	32.1 – 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	6.8	4.0 – 9.6	7.2	6.4 – 8.0
Adults who have coronary heart disease	7.8	5.1 – 10.5	6.7	5.9 – 7.5
Adults who have ever had a stroke	4.6	2.0 – 7.3	4.5	3.9 – 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	74.9	68.2 – 81.5	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	73.1	65.5 – 80.7	70.1	68.2 – 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	26.4	20.5 – 32.3	23.3	22.1 – 24.5
Diabetes				
Adults who have diabetes	17.0	12.2 – 21.8	13.1	12.1 – 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	31.3	25.3 – 37.3	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	13.3	9.3 – 17.3	10.1	9.1 – 11.1
General Health Status				
Adults who reported good or better health	71.6	65.7 – 77.5	77.5	76.3 – 78.7
Health Care Access/Coverage				
Adults who have health care coverage	94.5	91.1 – 97.9	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	93.0	88.5 – 97.4	93.2	92.2 – 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	29.6	23.2 – 35.9	32.7	31.1 – 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	58.8	48.7 – 68.9	59.4	56.9 – 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	69.8	60.2 – 79.4	72.6	70.2 – 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	31.6	21.4 – 41.8	22.0	19.8 – 24.2
Adults who visited dentist or dental clinic past year	55.3	48.4 – 62.1	61.8	60.2 – 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	38.2	31.2 – 45.2	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	32.4	26.2 – 38.6	34.2	32.7 – 35.6
Physical Activity				
Adults who participate in any physical activity	64.5	57.8 – 71.2	70.2	68.8 – 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	48.6	37.1 – 60.1	41.1	38.4 – 43.8
Respiratory Disease				
Adults who currently have asthma	11.4	6.3 – 16.6	11.6	10.6 – 12.6
Adults who have COPD, emphysema, or chronic bronchitis	13.7	9.9 – 17.5	11.4	10.6 – 12.2
Tobacco Use				
Adults who are current smokers	31.4	24.7 – 38.1	24.5	23.1 – 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	78.3	63.5 – 90.1	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	80.8	73.8 – 87.9	72.9	70.9 – 74.9

% = 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=459

Data Source: Kentucky Behavior Risk Factor Survey 2016

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	N/A		6.2	5.4 - 7.0
Adults who reported binge drinking	7.1	4.2 - 10.0	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	47.2	41.4 - 52.9	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	10.4	6.9 - 13.9	7.2	6.4 - 8.0
Adults who have coronary heart disease	10.9	7.1 - 14.7	6.7	5.9 - 7.5
Adults who have ever had a stroke	4.4	2.3 - 6.6	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	64.7	56.6 - 72.8	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	61.7	52.8 - 70.7	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	28.5	23.2 - 33.9	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	18.8	14.4 - 23.1	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	37.3	31.5 - 43.0	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	15.7	11.5 - 19.9	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	63.2	57.6 - 68.7	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	94.1	91.3 - 96.8	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	92.8	89.4 - 96.3	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	33.0	27.3 - 38.7	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	52.9	39.8 - 66.0	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	70.1	57.1 - 83.1	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	34.4	20.8 - 47.9	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	50.4	44.5 - 56.3	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	34.3	28.7 - 40.0	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	42.5	36.7 - 48.3	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	59.6	54.0 - 65.3	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	43.4	32.3 - 54.5	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	14.5	10.6 - 18.4	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	21.2	16.5 - 25.9	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	29.3	23.7 - 34.9	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	80.0	71.4 - 88.7	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	79.3	72.1 - 86.4	72.9	70.9 - 74.9

% = 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=548

Data Source: Kentucky Behavior Risk Factor Survey 2016

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	5.7 - 8.3	6.2	5.4 - 7.0
Adults who reported binge drinking	18.6	16.6 - 20.7	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	27.8	25.9 - 29.8	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	5.9	4.9 - 7.0	7.2	6.4 - 8.0
Adults who have coronary heart disease	6.8	5.7 - 8.0	6.7	5.9 - 7.5
Adults who have ever had a stroke	4.6	3.6 - 5.6	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	71.9	69.1 - 74.7	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	70.8	67.4 - 74.0	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	21.9	19.8 - 24.0	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	11.3	9.9 - 12.6	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	24.0	21.9 - 26.0	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	9.5	8.1 - 10.9	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	81.7	79.9 - 83.5	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	94.1	92.9 - 95.4	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	92.9	91.3 - 94.5	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	36.5	34.0 - 38.9	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	59.5	55.6 - 63.4	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	74.4	70.9 - 77.9	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	15.2	12.5 - 17.9	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	66.7	64.4 - 69.0	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	33.4	31.0 - 35.7	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	30.7	28.5 - 33.0	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	75.8	73.7 - 77.8	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	40.1	36.1 - 44.2	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	12.4	10.7 - 14.0	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	9.1	7.9 - 10.4	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	21.3	19.2 - 23.4	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	84.6	81.2 - 88.0	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	76.8	73.7 - 79.9	72.9	70.9 - 74.9

% = 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=3132

Data Source: Kentucky Behavior Risk Factor Survey 2016

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	N/A		6.2	5.4 - 7.0
Adults who reported binge drinking	11.4	6.7 - 16.1	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	42.7	37.3 - 48.0	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	8.6	5.8 - 11.4	7.2	6.4 - 8.0
Adults who have coronary heart disease	6.6	4.2 - 9.1	6.7	5.9 - 7.5
Adults who have ever had a stroke	6.5	4.0 - 9.0	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	61.8	55.6 - 68.1	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	56.6	49.6 - 63.6	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	27.7	22.4 - 33.0	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	12.2	9.1 - 15.3	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	31.2	25.8 - 36.6	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	11.0	8.0 - 14.1	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	69.8	65.1 - 74.5	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	90.8	85.8 - 95.9	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	88.4	81.9 - 94.9	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	25.0	19.5 - 30.6	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	56.2	47.1 - 65.3	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	70.0	61.7 - 78.1	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	30.8	22.5 - 39.1	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	54.6	49.1 - 60.0	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	32.6	27.5 - 37.8	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	37.0	31.7 - 42.3	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	65.4	60.0 - 70.8	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	39.7	31.2 - 48.3	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	13.2	8.6 - 17.8	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	17.5	12.3 - 22.7	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	29.7	24.3 - 35.1	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	71.0	57.8 - 91.2	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	72.1	65.7 - 78.5	72.9	70.9 - 74.9

% = 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=572

Data Source: Kentucky Behavior Risk Factor Survey 2016

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	5.0	2.7 - 7.3	6.2	5.4 - 7.0
Adults who reported binge drinking	13.5	9.8 - 17.1	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	34.9	29.9 - 40.0	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	8.0	5.1 - 10.9	7.2	6.4 - 8.0
Adults who have coronary heart disease	4.7	2.8 - 6.6	6.7	5.9 - 7.5
Adults who have ever had a stroke	5.2	2.9 - 7.4	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	70.5	64.9 - 76.1	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	67.5	61.1 - 73.9	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	24.6	19.9 - 29.4	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	12.2	8.7 - 15.6	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	26.0	21.2 - 30.7	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	9.0	6.2 - 11.8	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	75.2	70.6 - 80.0	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	91.9	88.6 - 95.2	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	90.5	86.3 - 94.6	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	38.9	33.3 - 44.6	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	58.2	48.3 - 68.1	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	69.1	59.9 - 78.3	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	25.3	15.8 - 34.8	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	62.4	57.0 - 67.7	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	34.4	29.1 - 39.8	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	35.5	30.3 - 40.8	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	65.2	60.1 - 70.4	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	46.6	36.7 - 56.6	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	11.2	7.9 - 14.4	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	13.6	10.0 - 17.2	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	30.7	25.3 - 36.0	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	77.9	70.3 - 85.6	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	72.0	65.5 - 78.5	72.9	70.9 - 74.9

% = 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=592

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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	9.0	5.8 – 12.3	6.2	5.4 – 7.0
Adults who reported binge drinking	21.1	16.5 – 25.7	14.6	13.4 – 15.8
Arthritis				
Adults who have arthritis	31.0	26.2 – 35.7	33.5	32.1 – 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	7.9	4.3 – 11.4	7.2	6.4 – 8.0
Adults who have coronary heart disease	9.5	5.8 – 13.1	6.7	5.9 – 7.5
Adults who have ever had a stroke	3.4	1.8 – 5.0	4.5	3.9 – 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	73.9	68.0 – 79.7	71.7	70.0 – 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	77.2	71.5 – 82.9	70.1	68.2 – 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	26.2	21.2 – 31.2	23.3	22.1 – 24.5
Diabetes				
Adults who have diabetes	12.3	9.4 – 15.9	13.1	12.1 – 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	22.9	18.5 – 27.5	25.7	24.5 – 26.9
Adults with health problem(s) that requires the use of special equipment	9.3	5.7 – 12.8	10.1	9.1 – 11.1
General Health Status				
Adults who reported good or better health	81.8	77.3 – 86.2	77.5	76.3 – 78.7
Health Care Access/Coverage				
Adults who have health care coverage	95.4	93.0 – 98.0	94.3	93.5 – 95.1
Adults aged 18-64 who have health care coverage	94.8	91.8 – 97.8	93.2	92.2 – 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	30.9	25.4 – 36.3	32.7	31.1 – 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	61.8	52.1 – 71.5	59.4	56.9 – 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	78.3	69.0 – 87.6	72.6	70.2 – 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	21.5	13.5 – 29.5	22.0	19.8 – 24.2
Adults who visited dentist or dental clinic past year	63.3	58.0 – 68.5	61.8	60.2 – 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 – 29.9)	36.8	31.5 – 42.1	34.9	33.4 – 35.6
Adults who are obese (BMI ≥ 30.0)	37.7	32.4 – 42.9	34.2	32.7 – 35.6
Physical Activity				
Adults who participate in any physical activity	73.0	68.3 – 77.6	70.2	68.8 – 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	39.7	29.9 – 49.6	41.1	38.4 – 43.8
Respiratory Disease				
Adults who currently have asthma	10.3	7.2 – 13.5	11.6	10.6 – 12.6
Adults who have COPD, emphysema, or chronic bronchitis	8.9	5.9 – 11.7	11.4	10.6 – 12.2
Tobacco Use				
Adults who are current smokers	24.7	19.6 – 29.8	24.5	23.1 – 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	76.0	66.0 – 86.0	80.2	77.8 – 82.6
Women aged 40+ who had a mammogram within the past two years	72.4	65.6 – 79.2	72.9	70.9 – 74.9

% = 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=579

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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	N/A		6.2	5.4 - 7.0
Adults who reported binge drinking	10.9	7.4 - 14.4	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	36.9	31.9 - 41.9	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	5.9	3.6 - 8.1	7.2	6.4 - 8.0
Adults who have coronary heart disease	5.4	3.5 - 7.4	6.7	5.9 - 7.5
Adults who have ever had a stroke	3.7	2.0 - 5.4	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	71.3	64.9 - 77.6	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	63.8	56.3 - 71.4	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	20.7	16.4 - 25.1	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	13.9	10.4 - 17.4	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	27.4	22.7 - 32.1	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	10.9	7.7 - 14.1	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	76.3	71.9 - 80.7	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	94.4	91.6 - 97.3	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	94.3	91.0 - 97.5	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	40.2	34.5 - 46.0	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	52.4	43.9 - 60.9	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	65.6	57.2 - 74.0	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	24.9	17.4 - 32.3	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	64.5	59.3 - 69.7	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	38.8	33.3 - 44.2	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	33.0	27.9 - 38.2	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	66.5	61.4 - 71.6	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	39.4	29.6 - 49.3	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	9.5	6.1 - 12.9	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	7.5	5.1 - 9.9	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	23.2	18.4 - 28.1	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	86.2	79.2 - 93.3	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	73.3	66.4 - 80.1	72.9	70.9 - 74.9

% = 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=577

Data Source: Kentucky Behavior Risk Factor Survey 2016

**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	8.6	4.9 - 12.4	6.2	5.4 - 7.0
Adults who reported binge drinking	14.4	9.9 - 18.8	14.6	13.4 - 15.8
Arthritis				
Adults who have arthritis	35.4	30.1 - 40.7	33.5	32.1 - 34.9
Cardiovascular Disease				
Adults who have ever had a heart attack	5.1	3.2 - 7.1	7.2	6.4 - 8.0
Adults who have coronary heart disease	3.9	2.3 - 5.6	6.7	5.9 - 7.5
Adults who have ever had a stroke	4.6	2.7 - 6.5	4.5	3.9 - 5.1
Colorectal Cancer Screening				
Adults aged 50+ who have ever had a sigmoidoscopy or colonoscopy	83.2	78.1 - 88.2	71.7	70.0 - 73.5
Adults aged 50-75 who have fully met the USPSTF recommendation	80.4	74.6 - 86.3	70.1	68.2 - 72.0
Depression				
Adults who have ever been diagnosed with a depressive disorder	24.1	19.4 - 28.8	23.3	22.1 - 24.5
Diabetes				
Adults who have diabetes	9.2	6.6 - 11.8	13.1	12.1 - 14.1
Disability				
Adults with limited activity due to physical, mental, or emotional problems	24.4	19.3 - 29.4	25.7	24.5 - 26.9
Adults with health problem(s) that requires the use of special equipment	10.3	6.9 - 13.6	10.1	9.1 - 11.1
General Health Status				
Adults who reported good or better health	82.3	78.1 - 86.4	77.5	76.3 - 78.7
Health Care Access/Coverage				
Adults who have health care coverage	95.5	92.3 - 98.6	94.3	93.5 - 95.1
Adults aged 18-64 who have health care coverage	93.9	89.7 - 98.2	93.2	92.2 - 94.2
HIV Screening Test				
Adults who have ever been tested for HIV	28.5	23.1 - 33.9	32.7	31.1 - 34.3
Immunization				
Adults aged 65+ who had a flu shot in past year	66.0	58.0 - 74.0	59.4	56.9 - 61.9
Adults aged 65+ who have ever had a pneumococcal vaccination	72.7	65.1 - 80.3	72.6	70.2 - 75.0
Oral Health				
Adults aged 65+ who had all their natural teeth extracted	61.6	56.1 - 67.2	22.0	19.8 - 24.2
Adults who visited dentist or dental clinic past year	13.6	8.0 - 19.3	61.8	60.2 - 63.4
Overweight and Obesity (BMI)				
Adults who are overweight (BMI = 25.0 - 29.9)	35.4	30.0 - 40.8	34.9	33.4 - 35.6
Adults who are obese (BMI ≥ 30.0)	34.3	28.7 - 39.8	34.2	32.7 - 35.6
Physical Activity				
Adults who participate in any physical activity	69.8	64.9 - 74.7	70.2	68.8 - 71.6
Prostate Cancer				
Men aged 40+ who had a PSA test within the past two years	47.7	36.7 - 58.8	41.1	38.4 - 43.8
Respiratory Disease				
Adults who currently have asthma	8.3	5.4 - 11.3	11.6	10.6 - 12.6
Adults who have COPD, emphysema, or chronic bronchitis	10.0	6.8 - 13.1	11.4	10.6 - 12.2
Tobacco Use				
Adults who are current smokers	24.5	19.2 - 29.7	24.5	23.1 - 25.9
Women Health				
Women aged 21-65 who had a Pap test within the past three years	85.2	78.0 - 92.4	80.2	77.8 - 82.6
Women aged 40+ who had a mammogram within the past two years	81.3	74.7 - 87.8	72.9	70.9 - 74.9

% = 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=515

Data Source: Kentucky Behavior Risk Factor Survey 2016