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







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Legend for Kentucky ADD Map on Cover Page



1. Barren River ADD

2. Big Sandy ADD

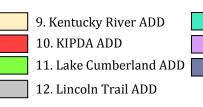
3. Bluegrass ADD

4. Buffalo Trace ADD

5. Cumberland Valley ADD 6. FIVCO ADD

7. Gateway ADD

8. Green River ADD





14. Pennyrile ADD

15. Purchase ADD

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/brf

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 <u>http://chfs.ky.gov/brfss</u>.

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.

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

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

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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) $25.0 - 29.9$ 35.5 32.6 $30.9 - 34.3$ 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 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 UseLongLongLong		0017	0,710	
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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 73.8 67.5 65.8 - 69.2 Respiratory Disease Adults who have COPD, emphysema, or chronic bronchitis 6.2 11.9 $10.6 - 13.1$ Tobacco Use Intervention Intervention Intervention Intervention				
Overweight and Obesity (BMI)Image: constraint of the symbol is a	0 1	72.7	74.1	71.5 – 76.8
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 obese (BMI \geq 30.0)29.834.632.9 - 36.3 Physical Activity 29.834.632.9 - 36.3Adults who participate in any physical activity73.867.565.8 - 69.2 Respiratory Disease $Adults who currently have asthma9.211.910.6 - 13.1Adults who have COPD, emphysema, or chronic bronchitis6.212.111.0 - 13.2Tobacco Use$		35.5	32.6	30.9 - 34.3
Physical ActivityImage: Constraint of the systemAdults who participate in any physical activity73.867.565.8 - 69.2Respiratory DiseaseImage: Constraint of the system10.6 - 13.1Adults who currently have asthma9.211.910.6 - 13.1Adults who have COPD, emphysema, or chronic bronchitis6.212.111.0 - 13.2Tobacco UseImage: Constraint of the systemImage: Constraint of the systemImage: Constraint of the system				
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Respiratory DiseaseImage: Constraint of the second sec		73.8	67.5	65.8 - 69.2
Adults who currently have asthma9.211.910.6 - 13.1Adults who have COPD, emphysema, or chronic bronchitis6.212.111.0 - 13.2Tobacco Use </td <td></td> <td></td> <td></td> <td></td>				
Adults who have COPD, emphysema, or chronic bronchitis6.212.111.0 - 13.2Tobacco Use		9.2	11.9	10.6 - 13.1
Tobacco Use				
Auurts who are current shokers 1 17.5 1 20.0 1 24.3 – 27.6	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]**

Dormon Divor ADD	Barren River		Ке	ntucky
Barren River ADD	%	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	76.0	70 (01 0		540 500
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	21.7	17.1 - 26.3	10.0	174 201
depressive disorder	21.7	17.1 - 20.3	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,	29.3	24.2 - 34.4	26.5	25.0 - 28.0
or emotional problems	29.3	24.2 - 34.4	20.3	23.0 - 20.0
Adults with health problem(s) that requires the use	10.6	7.5 – 13.7	10.5	9.5 - 11.4
of special equipment	10.0	7.5 15.7	10.5	7.5 11.1
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	73.8	64.6 - 83.0	74.1	71.5 - 76.8
vaccination				
Overweight and Obesity (BMI)	2 4.0		22.6	
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 \ge 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	40 5		44.0	10 (12 1
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	22.0	107 201	26.0	24.2 27.6
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.

	Big Sandy		Big Sandy Kentucky	
Big Sandy ADD	%	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	02.2	78.3 - 86.4	765	740 700
past 5 years	82.3	/8.3 - 80.4	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	24.0	19.7 - 28.3	18.8	17.4 - 20.1
depressive disorder	24.0	19.7 - 20.5	10.0	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,	38.1	32.5 - 43.7	26.5	25.0 - 28.0
or emotional problems	50.1	52.5 - 45.7	20.5	25.0 - 20.0
Adults with health problem(s) that requires the use	17.0	13.5 - 20.5	10.5	9.5 - 11.4
of special equipment	1710	1010 2010	1010	510 1111
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	77.9	70.1 - 85.7	74.1	71.5 – 76.8
vaccination				
Overweight and Obesity (BMI)	00 7	240 246	22.6	000 040
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	(10	F0.4 (0.7	(75	
Adults who participate in any physical activity	64.0	58.4 - 69.7	67.5	65.8 - 69.2
Respiratory Disease	15.0	107 107	11.0	10 (12 1
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	2/1	107 205	26.0	242 276
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.

	Bluegrass		ass Kentucky		
Bluegrass ADD	%	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	75 7	70 (00 0		74.0 70.0	
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	18.7	14.0 - 23.4	18.8	17.4 - 20.1	
depressive disorder	10.7	14.0 - 23.4	10.0	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,	28.1	23.3 - 33.0	26.5	25.0 - 28.0	
or emotional problems	20.1	23.5 - 33.0	20.5	23.0 - 20.0	
Adults with health problem(s) that requires the use	9.1	6.6 - 11.7	10.5	9.5 - 11.4	
of special equipment	711	010 1117	1010	510 1111	
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	20.4		20.0		
Adults who have high blood pressure	38.1	33.0 - 43.1	39.0	37.3 - 40.6	
Immunization	(0.4	500 500	(5.0		
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	77.0	68.6 - 85.5	74.1	71.5 - 76.8	
vaccination					
Overweight and Obesity (BMI)	27.2	227 217	22.6	20.0 24.2	
Adults who are overweight (BMI = $25.0 - 29.9$)	27.2 36.4	22.7 - 31.7 31.1 - 41.7	32.6 34.6	30.9 - 34.3 32.9 - 36.3	
Adults who are obese (BMI \ge 30.0)	30.4	51.1 - 41./	34.0	32.9 - 30.3	
Physical Activity Adults who participate in any physical activity	71 /	66.5 - 76.3	67 5	65.8 - 69.2	
Respiratory Disease	71.4	00.3 - 70.3	67.5	03.0 - 09.2	
Adults who currently have asthma	12.4	80 167	11.0	110 121	
Adults who have COPD, emphysema, or chronic bronchitis	12.4	8.0 - 16.7 7.3 - 13.5	<u>11.9</u> 12.1	<u>11.0 - 13.1</u> <u>11.0 - 13.2</u>	
Tobacco Use	10.4	7.5 - 15.5	12.1	11.0 - 13.2	
	26.2	210 214	26.0	242 276	
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.

	Buffalo Trace		Ke	ntucky
Buffalo Trace ADD	%	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	(0.1	500 500		740 700
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	21.0	124 206	10.0	17.4 - 20.1
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,	31.1	22.9 - 39.3	26.5	25.0 - 28.0
or emotional problems	51.1	22.9 - 39.3	20.5	23.0 - 20.0
Adults with health problem(s) that requires the use	9.0	4.9 - 13.2	10.5	9.5 - 11.4
of special equipment	5.0	4.7 - 13.2	10.5	7.5 - 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	62.6	47.3 - 77.9	74.1	71.5 - 76.8
vaccination	0210	1/10 //12	,	7 110 7 010
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.

Cumberlend Veller ADD	Cumberland Valley		Cumberland Valley Kentucky		ntucky
Cumberland Valley ADD	%	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	70.4	727 041	765	740 70 2	
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	24.4	19.7 – 29.1	18.8	17.4 - 20.1	
depressive disorder	24.4	19.7 - 29.1	10.0	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,	35.0	29.6 - 40.4	26.5	25.0 - 28.0	
or emotional problems	55.0	29.0 10.1	20.5	23.0 20.0	
Adults with health problem(s) that requires the use	13.3	9.9 - 16.7	10.5	9.5 - 11.4	
of special equipment	1010	,,,, 10,,,	1010	,10 111	
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			20.0		
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	79.3	71.8 - 86.7	74.1	71.5 - 76.8	
vaccination					
Overweight and Obesity (BMI)	24.0	20.4 40.4	22.6	20.0 24.2	
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 \ge 30.0)	38.1	32.1 - 44.2	34.6	32.9 - 36.3	
Physical Activity Adults who participate in any physical activity		E10 626	675	650 602	
	57.7	51.8 - 63.6	67.5	65.8 - 69.2	
Respiratory Disease Adults who currently have asthma	1/1	10.2 17.0	11.0	106 121	
Adults who have COPD, emphysema, or chronic bronchitis	<u>14.1</u> 16.5	10.3 - 17.9 12.5 - 20.4	<u>11.9</u> 12.1	10.6 - 13.1 11.0 - 13.2	
Tobacco Use	10.5	12.5 - 20.4	12.1	11.0 - 13.2	
Adults who are current smokers	27.2	267 270	26.0	212 276	
Adults who are current shlokers	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.

	FI	VCO	Kentucky	
FIVCO ADD	%	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	10.0	33.2 10.3	10.7	30.7 12.1
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,	22.4		0 (F	
or emotional problems	33.4	28.0 - 38.7	26.5	25.0 - 28.0
Adults with health problem(s) that requires the use	10.7	0.2 1(.2	10 5	05 114
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	84.1	76.5 - 91.6	74.1	71.5 - 76.8
vaccination	0.112	7 010 7 210		. 110
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	<i></i>			
Adults who participate in any physical activity	61.7	55.9 - 67.4	67.5	65.8 - 69.2
Respiratory Disease	4.4.5		44.0	10 (10)
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	04.0	170 015	06.0	
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.

		Gateway		Kentucky	
Gateway ADD	%	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	71.0	(5.2. 70.4		74.0 70.0	
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	23.4	17.1 - 29.6	18.8	17.4 - 20.1	
depressive disorder	23.4	17.1 - 29.0	10.0	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,	31.1	24.9 - 37.3	26.5	25.0 - 28.0	
or emotional problems	51.1	24.7 - 37.3	20.5	23.0 - 20.0	
Adults with health problem(s) that requires the use	14.5	9.6 - 19.4	10.5	9.5 - 11.4	
of special equipment	11.5	5.0 15.1	10.5	5.5 11.1	
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	64.6	52.1 - 77.1	74.1	71.5 – 76.8	
vaccination					
Overweight and Obesity (BMI)	27.7	20 (44 7	22.6	20.0 24.2	
Adults who are overweight (BMI = $25.0 - 29.9$) Adults who are obese (BMI ≥ 30.0)	37.7 36.4	30.6 - 44.7 29.5 - 43.4	32.6 34.6	30.9 - 34.3 32.9 - 36.3	
	30.4	29.5 - 43.4	34.0	32.9 - 30.3	
Physical Activity Adults who participate in any physical activity	60.4	522 675	67 5	65.8 - 69.2	
Respiratory Disease	60.4	53.3 - 67.5	67.5	03.0 - 09.2	
Adults who currently have asthma	12.2	75 160	11.0	10.6 12.1	
Adults who have COPD, emphysema, or chronic bronchitis	12.2	7.5 - 16.8	<u>11.9</u> 12.1	10.6 - 13.1 11.0 - 13.2	
Tobacco Use	10.2	11.1 - 21.2	12.1	11.0 - 13.2	
	25.6	10.2 22.0	26.0	242 276	
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.

	Green River		r Kentucky		
Green River ADD	%	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	71 7	(47 70 (74.0 70.0	
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	10.0	120 242	10.0	17.4 - 20.1	
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,	21.8	16.8 - 26.9	26.5	25.0 - 28.0	
or emotional problems	21.0	10.0 - 20.9	20.5	23.0 - 20.0	
Adults with health problem(s) that requires the use	9.1	6.0 - 12.1	10.5	9.5 - 11.4	
of special equipment	7.1	0.0 - 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	60.8	51.4 - 70.1	74.1	71.5 - 76.8	
vaccination					
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	11.4		14.0	10 (10 1	
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	0.7.0	21.0 00.0	06.0	24.0 07.6	
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.

Vortruelar Discor ADD	Kentucky River		Kei	ntucky
Kentucky River ADD	%	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	01.2	764 061		74.0 70.2
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	24.6	19.6 - 29.6	18.8	17.4 - 20.1
depressive disorder	24.0	19.0 - 29.0	10.0	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,	36.8	31.4 - 42.2	26.5	25.0 - 28.0
or emotional problems	50.0	51.4 - 42.2	20.5	25.0 - 20.0
Adults with health problem(s) that requires the use	15.7	12.1 - 19.3	10.5	9.5 - 11.4
of special equipment	100	111 1710	1010	,10 1111
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		004 000	250	
Adults who have ever been tested for HIV	33.7	28.1 - 39.2	35.9	34.0 - 37.7
Hypertension Awareness	40.5	40.0 54.0	20.0	07.0 40.6
Adults who have high blood pressure	48.7	43.3 - 54.2	39.0	37.3 - 40.6
Immunization	F (2)	45.2 (7.2	(7.2	(4.4. 70.2
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	64.5	53.7 - 75.3	74.1	71.5 - 76.8
vaccination				
Overweight and Obesity (BMI)	20.6	220 224	22.6	20.0 24.2
Adults who are overweight (BMI = $25.0 - 29.9$)	28.6 41.7	23.8 - 33.4 36.0 - 47.4	32.6 34.6	30.9 - 34.3 32.9 - 36.3
Adults who are obese (BMI \ge 30.0)	41./	30.0 - 47.4	34.0	32.9 - 30.3
Physical Activity Adults who participate in any physical activity	59.7	54.0 - 65.4	67.5	65.8 - 69.2
Respiratory Disease	59.7	54.0 - 05.4	07.5	03.0 - 09.2
Adults who currently have asthma	12.3	97 150	11.0	10.6 12.1
Adults who have COPD, emphysema, or chronic bronchitis	12.3	8.7 – 15.9 13.1 – 21.3	<u>11.9</u> 12.1	<u>10.6 - 13.1</u> <u>11.0 - 13.2</u>
Tobacco Use	1/.2	13.1 - 21.3	12.1	11.0 - 13.2
Adults who are current smokers	28.6	23.4 - 33.7	26.0	24.3 - 27.6
Auurts wild are current sindkers	20.0	23.4 - 33./	20.0	24.3 - 27.0

% = 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.

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	76.0	72.0 00.0		74.0 70.2
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	16.4	13.4 - 19.5	18.8	17.4 - 20.1
depressive disorder	10.4	15.4 - 19.5	10.0	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,	22.1	18.5 - 25.7	26.5	25.0 - 28.0
or emotional problems	22.1	10.5 - 25.7	20.5	25.0 - 20.0
Adults with health problem(s) that requires the use	8.3	6.1 - 10.5	10.5	9.5 - 11.4
of special equipment	010	011 1010	1010	510 1111
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	E 0.4	(0.0 55.0	(= 0	
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	70.9	63.6 - 78.2	74.1	71.5 - 76.8
vaccination				
Overweight and Obesity (BMI)	22.0	20 (27 2	22.6	20.0 24.2
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 \geq 30.0)	32.8	28.5 - 37.1	34.6	32.9 - 36.3
Physical Activity	60.0	644 724	675	(5.0 (0.2
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	11.0	0.0 14.0	11.0	106 121
Adults who currently nave astnma Adults who have COPD, emphysema, or chronic bronchitis	11.8	8.8 - 14.8	11.9	10.6 - 13.1
	11.4	8.6 - 14.1	12.1	11.0 - 13.2
Tobacco Use	25.4	211 20 (26.0	242 276
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.

Lake Cumberland ADD	Lake Cumberland ADD Lake Cumberland		Kentucky		
Lake Cumberland ADD	%	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	74.9	69.7 - 80.2	76.5	74.8 - 78.2	
past 5 years					
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,			0 f 7		
or emotional problems	30.0	25.3 - 34.7	26.5	25.0 - 28.0	
Adults with health problem(s) that requires the use	10.4	0.0 1(.0	10 5	05 114	
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	81.4	74.8 - 88.0	74.1	71.5 - 76.8	
vaccination	0111	7 110 0010	,	, 110 , 010	
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 \geq 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			4.4.5		
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	0.0.0		0()		
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.

	Lincoln Trail		Kentucky	
Lincoln Trail ADD	%	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	77 5	72.1 02.0		740 700
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	17.3	13.1 - 21.5	18.8	17.4 - 20.1
depressive disorder	17.5	15.1 - 21.5	10.0	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,	25.6	20.8 - 30.5	26.5	25.0 - 28.0
or emotional problems	25.0	20.0 - 50.5	20.5	25.0 - 20.0
Adults with health problem(s) that requires the use	11.7	8.2 - 15.1	10.5	9.5 - 11.4
of special equipment		0.2 10.1	1010	,10 1111
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	20.0		250	0.4.0.05.5
Adults who have ever been tested for HIV	39.0	32.9 - 45.1	35.9	34.0 - 37.7
Hypertension Awareness	00 7	22.4.44.0	20.0	07.0 40.6
Adults who have high blood pressure	38.7	33.4 - 44.0	39.0	37.3 - 40.6
Immunization	(0.0	(0.0. =0.0	((11 50.0
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	73.1	65.1 - 81.1	74.1	71.5 - 76.8
vaccination				
Overweight and Obesity (BMI)	26 5	21.0 42.0	22.6	20.0 24.2
Adults who are overweight (BMI = $25.0 - 29.9$)	36.5 34.7	<u>31.0 - 42.0</u> 29.0 - 40.3	32.6 34.6	30.9 - 34.3 32.9 - 36.3
Adults who are obese (BMI \ge 30.0)	54.7	29.0 - 40.5	54.0	32.9 - 30.3
Physical Activity Adults who participate in any physical activity	67.6	61.9 72 /	67.5	65.8 - 69.2
Respiratory Disease	07.0	61.8 - 73.4	07.5	05.0 - 09.2
Adults who currently have asthma	10.0	65 125	11.0	10.6 12.1
Adults who have COPD, emphysema, or chronic bronchitis	10.0	6.5 - 13.5 8.7 - 16.2	<u>11.9</u> 12.1	10.6 - 13.1 11.0 - 13.2
Tobacco Use	12.4	0.7 - 10.2	12.1	11.0 - 13.2
	26.0	20.6 21.2	26.0	242 276
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.

Northorn Kontrolm ADD	Northern Kentucky		Kentucky	
Northern Kentucky ADD	%	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	75.0	(0.2 01.4	765	740 70 2
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	16.8	12.5 - 21.0	18.8	17.4 - 20.1
depressive disorder	10.0	12.3 - 21.0	10.0	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,	21.8	17.2 – 26.4	26.5	25.0 - 28.0
or emotional problems	21.0	17.2 20.1	20.5	23.0 20.0
Adults with health problem(s) that requires the use	8.4	5.7 - 11.1	10.5	9.5 - 11.4
of special equipment	011	011 111	1010	7.0 11.1
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	045		20.0	07.0 40.6
Adults who have high blood pressure	34.5	29.5 - 39.5	39.0	37.3 - 40.6
Immunization	(0.0	50.4 56.0	(=)	(1.1. 70.0
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	84.2	77.0 - 91.4	74.1	71.5 - 76.8
vaccination				
Overweight and Obesity (BMI)	21.0	261 276	22.6	20.0 24.2
Adults who are overweight (BMI = $25.0 - 29.9$)	31.9 29.8	26.1 - 37.6 24.4 - 35.2	<u>32.6</u> 34.6	30.9 - 34.3 32.9 - 36.3
Adults who are obese (BMI ≥ 30.0) Physical Activity	27.0	24.4 - 35.2	34.0	32.7 - 30.3
Adults who participate in any physical activity	73.3	681 70F	67 5	65.8 - 69.2
Respiratory Disease	/ 3.3	68.1 - 78.5	67.5	03.0 - 09.2
Adults who currently have asthma	6.8	44 01	11.0	106 121
Adults who have COPD, emphysema, or chronic bronchitis	8.6	4.4 - 9.1 5.3 - 12.0	<u>11.9</u> 12.1	10.6 - 13.1 11.0 - 13.2
Tobacco Use	0.0	5.5 - 12.0	12.1	11.0 - 13.2
Adults who are current smokers	24.4	18.6 - 30.2	26.0	24.2 276
Adults who are current shlokers	24.4	10.0 - 30.2	26.0	24.3 - 27.6

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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	1.1 – 7.9 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	77.0	71 4 02 1		74.0 70.0
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	10.7	140 222	10.0	174 201
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,	24.2	19.3 - 29.1	26.5	25.0 - 28.0
or emotional problems	24.2	19.5 - 29.1	20.5	23.0 - 20.0
Adults with health problem(s) that requires the use	12.7	8.6 - 16.8	10.5	9.5 - 11.4
of special equipment	12.7	0.0 - 10.0	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	66.3	56.6 - 76.1	74.1	71.5 - 76.8
vaccination				
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 \ge 30.0)	30.2	24.3 - 36.1	34.6	32.9 - 36.3
Physical Activity	(=)	504 510		
Adults who participate in any physical activity	65.3	59.4 - 71.3	67.5	65.8 - 69.2
Respiratory Disease	11.0		11.0	10 (10 1
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	20.1		26.0	24.2 27.6
Adults who are current smokers	28.1	22.2 - 34.0	26.0	24.3 - 27.6

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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	00.0	76.1 - 85.5		740 700
past 5 years	80.8	/0.1 - 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	13.0	9.8 - 16.2	18.8	17.4 - 20.1
depressive disorder	15.0	9.0 - 10.2	10.0	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,	21.8	17.5 - 26.0	26.5	25.0 - 28.0
or emotional problems	21.0	17.5 - 20.0	20.5	25.0 - 20.0
Adults with health problem(s) that requires the use	11.7	8.0 - 15.4	10.5	9.5 - 11.4
of special equipment	110	010 1011	1010	510 1111
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			20.0	
Adults who have high blood pressure	39.2	34.1 - 44.3	39.0	37.3 - 40.6
Immunization	(2.4		(5.0	
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	71.3	63.9 - 78.6	74.1	71.5 - 76.8
vaccination				
Overweight and Obesity (BMI)	26.0	21.2 42.4	22.6	20.0 24.2
Adults who are overweight (BMI = $25.0 - 29.9$)	36.8 30.6	31.2 - 42.4 25.3 - 35.8	32.6 34.6	30.9 - 34.3 32.9 - 36.3
Adults who are obese (BMI \geq 30.0)	30.6	25.3 - 35.8	34.0	32.9 - 30.3
Physical Activity	60.1	627 745	675	65.8 - 69.2
Adults who participate in any physical activity Respiratory Disease	69.1	63.7 - 74.5	67.5	03.0 - 09.2
Adults who currently have asthma	10.7	70 145	11.0	106 121
Adults who have COPD, emphysema, or chronic bronchitis	<u>10.7</u> 12.2	7.0 - 14.5 8.4 - 16.0	<u>11.9</u> 12.1	10.6 - 13.1 11.0 - 13.2
Tobacco Use	12.2	0.4 - 10.0	12.1	11.0 - 13.2
	107	142 222	26.0	242 276
Adults who are current smokers	18.7	14.3 - 23.2	26.0	24.3 - 27.6

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