



# St. Claire Regional Medical Center

## APPENDIX A

*Gateway Wellness Coalition  
County and Region Health Data*

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# County Health Data Summary

visit [www.st-claire.org/gwccdata](http://www.st-claire.org/gwccdata) for complete data sets and sources

## Demographic & Socioeconomic



	Bath	Menifee	Morgan	Rowan	Kentucky	US
Designated as Distressed by ARC	Yes	Yes	Yes	Yes	—	—
Population Growth per Decade since 1970 Census	6%	13%	9%	8%	8%	11%
High School Graduation Rate EdFacts	86.8%	92.4%	82.1%	94.0%	88.9%	84.3%
Median Family Income Census - ACS	\$37,853	\$35,185	\$37,821	\$51,325	\$54,928	\$65,443
Per Capita Income Census - ACS	\$17,137	\$16,463	\$16,378	\$18,168	\$23,740	\$28,554
Population Receiving SNAP Census - SAI	30.1%	30.5%	29.3%	25.6%	19.7%	15.8%
Population below 100% Federal Poverty Level Census - ACS	26.7%	28.8%	29.7%	25.9%	18.9%	15.6%
Unemployment Rate January 2016 BLS	10.2%	12.3%	10.4%	6.8%	6.2%	5.3%

## Health Resource Availability



	Bath	Menifee	Morgan	Rowan	Kentucky	US
Population Receiving Medicaid Census - ACS	36.6%	38.4%	39.1%	22.2%	22.4%	20.8%
Primary Care Physicians per 100K Population Area Health Resource File	8.5	32.2	21.9	119.4	64.5	74.5
Dentists per 100K Population Area Health Resource File	8.4	31.8	29.9	55.3	59.4	63.2
Mental Health Providers per 100K Population County Health Rankings	176.4	124.0	83.1	228.0	116.0	134.1

## Health Outcomes



	Bath	Menifee	Morgan	Rowan	Kentucky	US
Health Outcomes Ranking (of 120)	95	79	76	70	—	—
Health Behaviors Ranking (of 120)	72	45	105	64	—	—
Clinical Care Ranking (of 120)	83	89	99	28	—	—
Physical Environment (of 120)	56	99	21	91	—	—
Poor or Fair Health (self-rated)	27%	25%	29%	21%	—	—

**COMMUNITY HEALTH NEEDS ASSESSMENT  
2016 DATA REPORT**

BATH, MENIFEE, MORGAN & ROWAN COUNTIES







## *Community Health Needs Assessment – Data Report*

**April 15, 2016**

This report generated using the Community Commons CHNA Toolkit  
[assessment.communitycommons.org/CHNA/About](http://assessment.communitycommons.org/CHNA/About)

Please see [Community Commons CHNA Health Indicators Report footnotes](#) for information about the data background, analysis methodologies and other related notes.

Report Area	
Bath County, KY	Menifee County, KY
Morgan County, KY	Rowan County, KY

Data Categories
Demographics
Social & Economic Factors
Physical Environment
Clinical Care
Health Behaviors
Health Outcomes
County Health Rankings





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## Demographics

Current population demographics and changes in demographic composition over time play a determining role in the types of health and social services needed by communities.

### Demographics Data Indicators

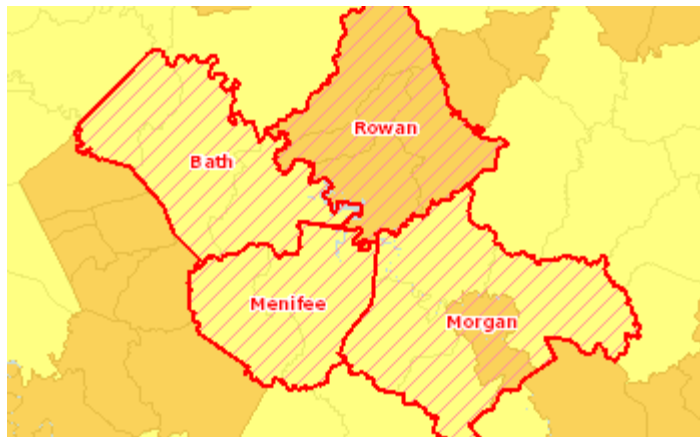
Total Population	Population Age 5-17	Population with Any Disability
Change in Total Population	Population Age 18-64	Linguistically Isolated Population
Families with Children	Population Age 18-24	Population with Limited English Proficiency
Female Population	Population Age 25-34	Population Geographic Mobility
Male Population	Population Age 35-44	Foreign-Born Population
Median Age	Population Age 45-54	Hispanic Population
Population Under Age 18	Population Age 55-64	Urban and Rural Population
Population Age 0-4	Population Age 65	Veteran Population

## Total Population

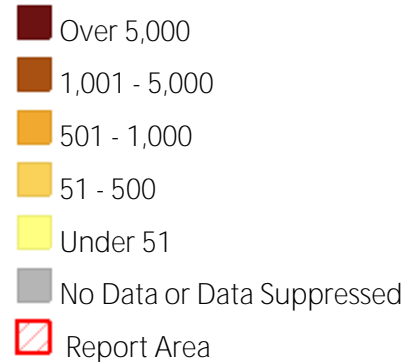
A total of 55,214 people live in the 1,143.31 square mile report area defined for this assessment according to the U.S. Census Bureau American Community Survey 2010-14 5-year estimates. The population density for this area, estimated at 48.29 persons per square mile, is less than the national average population density of 88.93 persons per square mile.

Report Area	Total Population	Total Land Area (Square Miles)	Population Density (Per Square Mile)
Report Area	55,214	1,143.31	48.29
Bath County, KY	11,870	278.8	42.58
Menifee County, KY	6,337	203.58	31.13
Morgan County, KY	13,522	381.13	35.48
Rowan County, KY	23,485	279.8	83.93
Kentucky	4,383,272	39,483.74	111.01
United States	314,107,083	3,531,932.26	88.93

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population, Density (Persons per Sq Mile) by Tract, ACS 2010-14

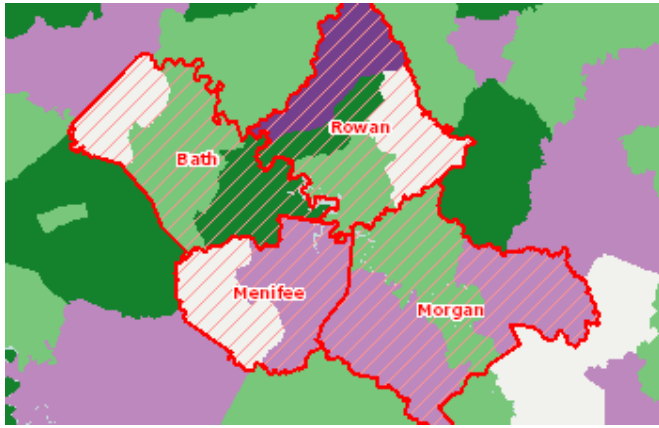


## Change in Total Population

According to the U.S. Census Bureau Decennial Census, between 2000 and 2010 the population in the report area grew by 1470 persons, a change of 2.74%. A significant positive or negative shift in total population over time impacts healthcare providers and the utilization of community resources.

Report Area	Total Population, 2000 Census	Total Population, 2010 Census	Total Population Change, 2000-2010	Percent Population Change, 2000-2010
Report Area	53,683	55,153	1,470	2.74%
Bath County, KY	11,085	11,591	506	4.56%
Menifee County, KY	6,556	6,306	-250	-3.81%
Morgan County, KY	13,948	13,923	-25	-0.18%
Rowan County, KY	22,094	23,333	1,239	5.61%
Kentucky	4,041,768	4,339,367	297,599	7.36%
United States	280,405,781	307,745,539	27,339,758	9.75%

Data Source: US Census Bureau, Decennial Census. 2000 - 2010. Source geography: Tract



Population Change, Percent by Tract,  
US Census 2000 - 2010

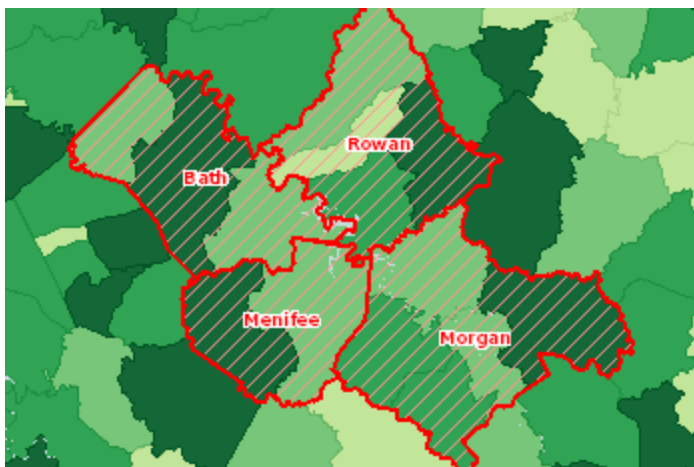
- Over 10.0% Increase ( )
- 1.0 - 10.0% Increase ( )
- Less Than 1.0% Change ( /-)
- 1.0 - 10.0% Decrease ( -)
- Over 10.0% Decrease ( -)
- No Population or No Data
- Report Area

## Families with Children

According to the most recent the American Community Survey estimates, 31.8% of all occupied households in the report area are family households with one or more child(ren) under the age of 18. As defined by the US Census Bureau, a family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage, or adoption. A non-family household is any household occupied by the householder alone, or by the householder and one or more unrelated individuals.

Report Area	Total Households	Total Family Households	Families with Children (Under Age 18)	Families with Children (Under Age 18), Percent of Total Households
Report Area	20,013	13,535	6,364	31.8%
Bath County, KY	4,361	3,017	1,518	34.81%
Menifee County, KY	2,404	1,716	838	34.86%
Morgan County, KY	4,841	3,586	1,522	31.44%
Rowan County, KY	8,407	5,216	2,486	29.57%
Kentucky	1,702,235	1,134,316	538,691	31.65%
United States	116,211,088	76,958,064	37,554,348	32.32%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Households with Children (Age 0-17), Percent by Tract, ACS 2010-14

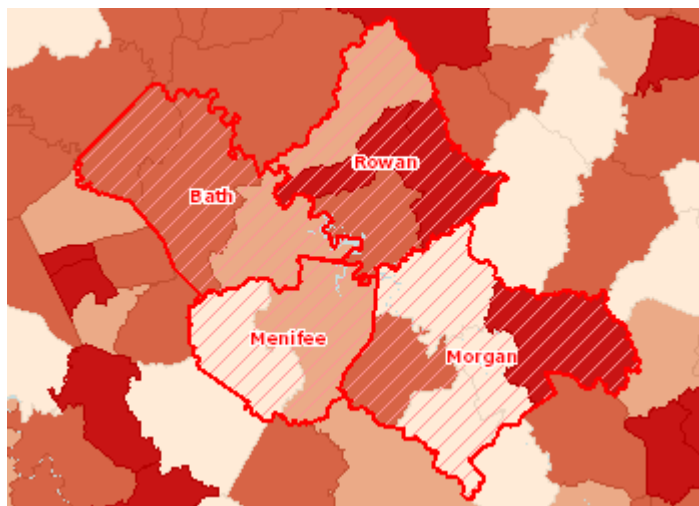
- Over 35.0%
- 31.6 - 35.0%
- 28.1 - 31.5%
- Under 28.1%
- No Data or Data Suppressed
- Report Area

## Female Population

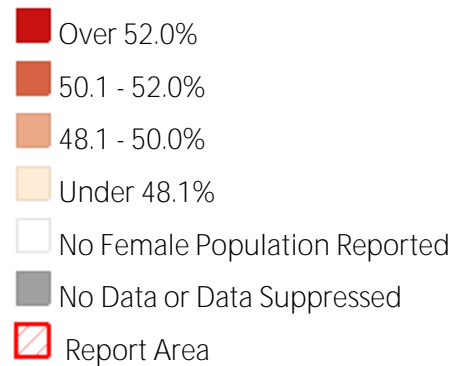
A total of 27,156 females resided in the report area according to the U.S. Census Bureau American Community Survey 2010-14 5-year estimates. Females represented 49.18% of the total population in the area, which was less than the national average of 50.81%.

Report Area	Total Population	Female Population	Percent Female Population
Report Area	55,214	27,156	49.18%
Bath County, KY	11,870	5,938	50.03%
Menifee County, KY	6,337	3,102	48.95%
Morgan County, KY	13,522	5,956	44.05%
Rowan County, KY	23,485	12,160	51.78%
Kentucky	4,383,272	2,227,021	50.81%
United States	314,107,072	159,591,920	50.81%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Female Population, Percent by Tract, ACS 2010-14

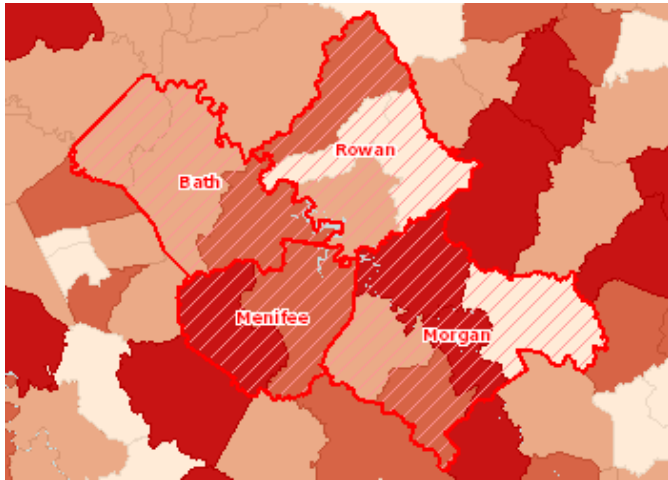


## Male Population

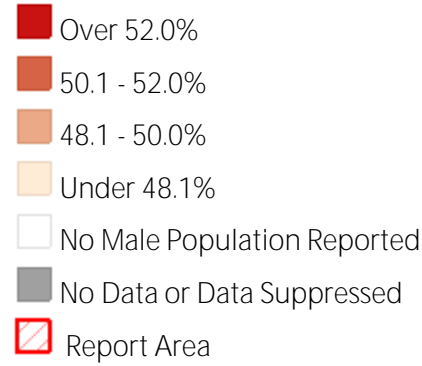
A total of 28,058 males resided in the report area according to the U.S. Census Bureau American Community Survey 2010-14 5-year estimates. Males represented 50.82% of the total population in the area, which was greater than the national average of 49.19%.

Report Area	Total Population	Male Population	Percent Male Population
Report Area	55,214	28,058	50.82%
Bath County, KY	11,870	5,932	49.97%
Menifee County, KY	6,337	3,235	51.05%
Morgan County, KY	13,522	7,566	55.95%
Rowan County, KY	23,485	11,325	48.22%
Kentucky	4,383,272	2,156,251	49.19%
United States	314,107,072	154,515,152	49.19%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Male Population, Percent by Tract, ACS 2010-14

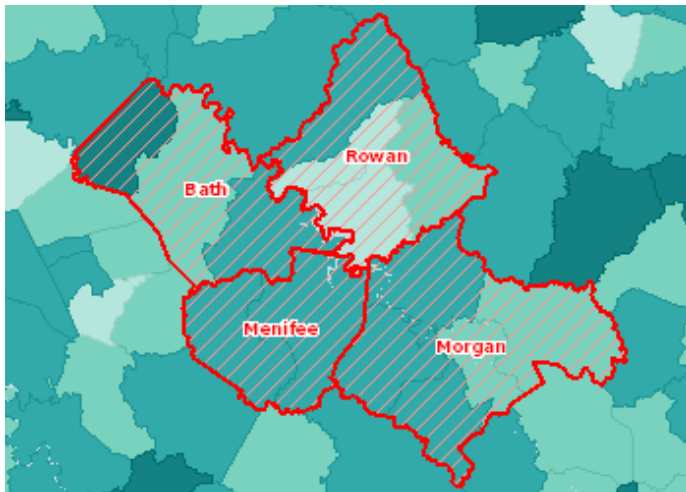


## Median Age

This indicator reports population median age based on the 5-year American Community Survey estimate.

Report Area	Total Population	Median Age
Report Area	55,214	no data
Bath County, KY	11,870	40.3
Menifee County, KY	6,337	41.8
Morgan County, KY	13,522	40.1
Rowan County, KY	23,485	32.5
Kentucky	4,383,272	38.3
United States	314,107,072	37.4

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Median Age by Tract, ACS 2010-14

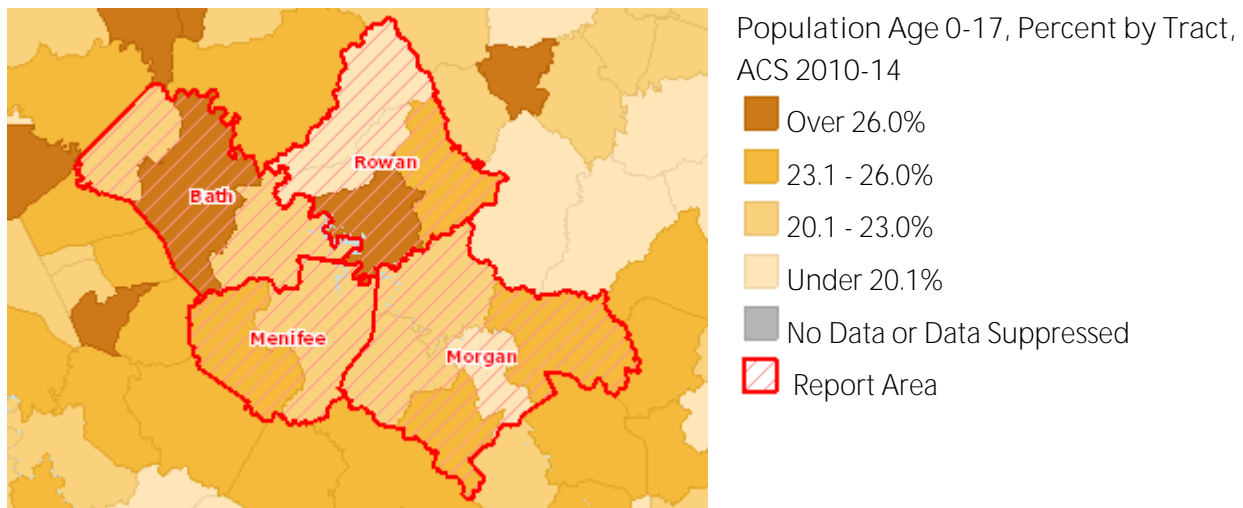


## Population Under Age 18

This indicator reports the percentage of population under age 18 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 0-17	Percent Population Age 0-17
Report Area	55,214	11,739	21.26%
Bath County, KY	11,870	2,968	25%
Menifee County, KY	6,337	1,459	23.02%
Morgan County, KY	13,522	2,717	20.09%
Rowan County, KY	23,485	4,595	19.57%
Kentucky	4,383,272	1,018,350	23.23%
United States	314,107,072	73,777,656	23.49%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

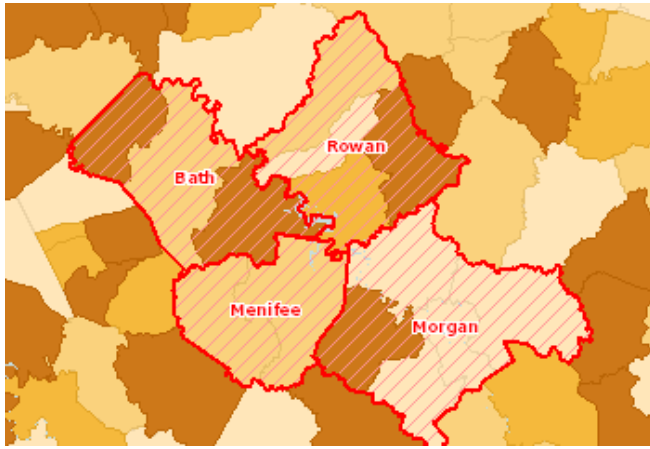


## Population Age 0-4

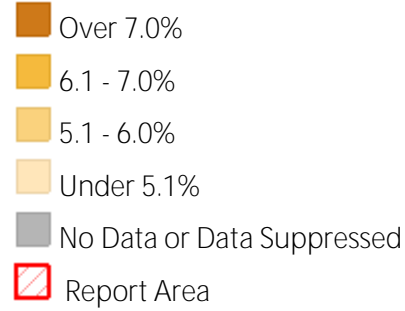
This indicator reports the percentage of children aged 0-4 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of infants and young children in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 0-4	Percent Population Age 0-4
Report Area	55,214	3,161	5.72%
Bath County, KY	11,870	801	6.75%
Menifee County, KY	6,337	347	5.48%
Morgan County, KY	13,522	698	5.16%
Rowan County, KY	23,485	1,315	5.6%
Kentucky	4,383,272	277,776	6.34%
United States	314,107,072	19,973,712	6.36%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population Age 0-4, Percent by Tract, ACS 2010-14

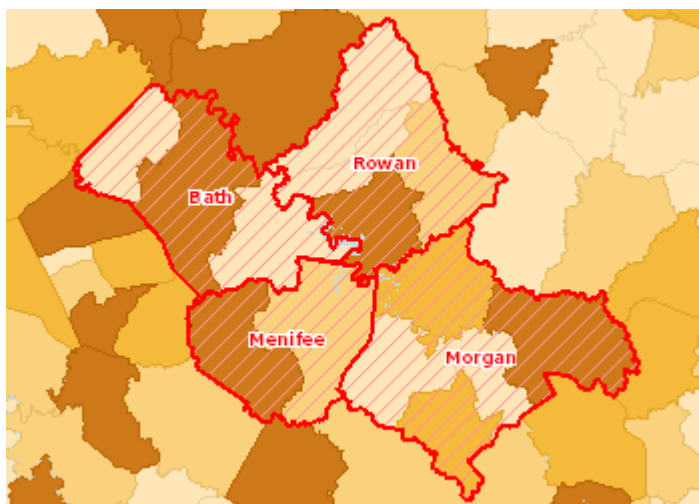


### Population Age 5-17

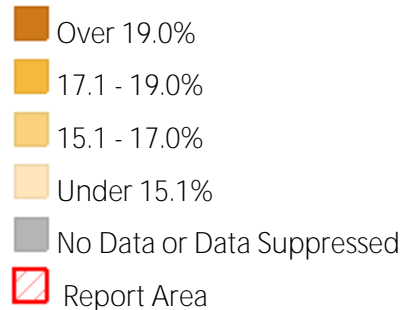
This indicator reports the percentage of youth aged 5-17 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 5-17	Percent Population Age 5-17
Report Area	55,214	8,578	15.54%
Bath County, KY	11,870	2,167	18.26%
Menifee County, KY	6,337	1,112	17.55%
Morgan County, KY	13,522	2,019	14.93%
Rowan County, KY	23,485	3,280	13.97%
Kentucky	4,383,272	740,574	16.9%
United States	314,107,072	53,803,944	17.13%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Population Age 5-17, Percent by Tract, ACS 2010-14

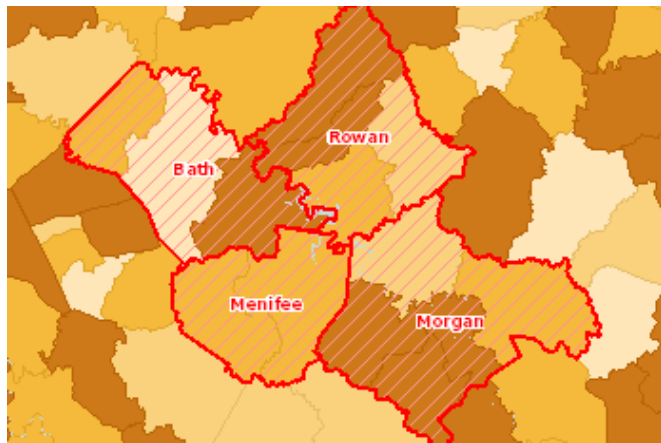


## Population Age 18-64

This indicator reports the percentage of population age 18-64 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of adults in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 18-64	Percent Population Age 18-64
Report Area	55,214	35,731	64.71%
Bath County, KY	11,870	7,093	59.76%
Menifee County, KY	6,337	3,895	61.46%
Morgan County, KY	13,522	8,878	65.66%
Rowan County, KY	23,485	15,865	67.55%
Kentucky	4,383,272	2,750,426	62.75%
United States	314,107,072	197,151,488	62.77%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Population Age 18-64, Percent by Tract, ACS 2010-14

- Over 63.0%
- 60.1 - 63.0%
- 57.1 - 60.0%
- Under 57.1%
- No Data or Data Suppressed
- Report Area

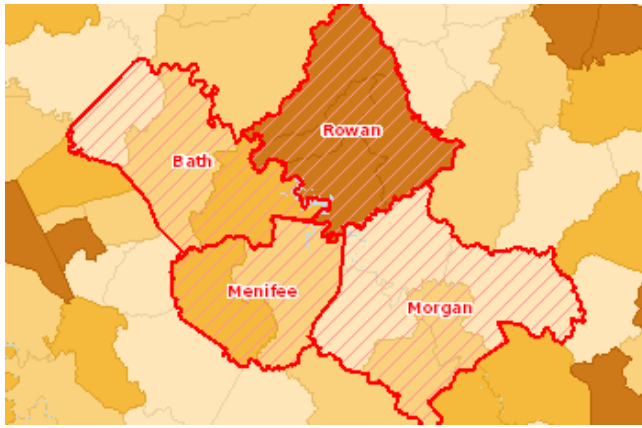
## Population Age 18-24

This indicator reports the percentage of youth aged 18-24 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

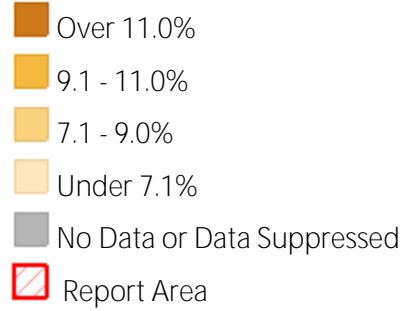
Report Area	Total Population	Population Age 18-24	Percent Population Age 18-24
Report Area	55,214	7,733	14.01%
Bath County, KY	11,870	937	7.89%
Menifee County, KY	6,337	507	8%
Morgan County, KY	13,522	1,003	7.42%
Rowan County, KY	23,485	5,286	22.51%
Kentucky	4,383,272	425,213	9.7%
United States	314,107,072	31,273,296	9.96%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract





Population Age 18-24, Percent by Tract, ACS 2010-14

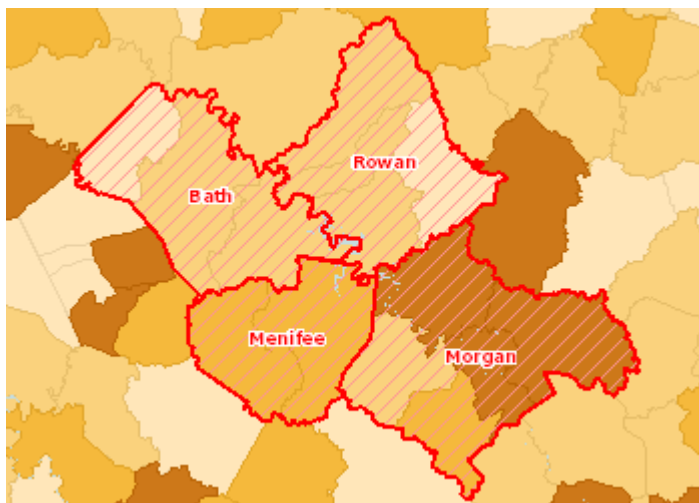


## Population Age 25-34

This indicator reports the percentage of youth aged 25-34 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 25-34	Percent Population Age 25-34
Report Area	55,214	6,772	12.27%
Bath County, KY	11,870	1,285	10.83%
Menifee County, KY	6,337	779	12.29%
Morgan County, KY	13,522	2,063	15.26%
Rowan County, KY	23,485	2,645	11.26%
Kentucky	4,383,272	566,093	12.91%
United States	314,107,072	42,310,184	13.47%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Population Age 25-34, Percent by Tract, ACS 2010-14

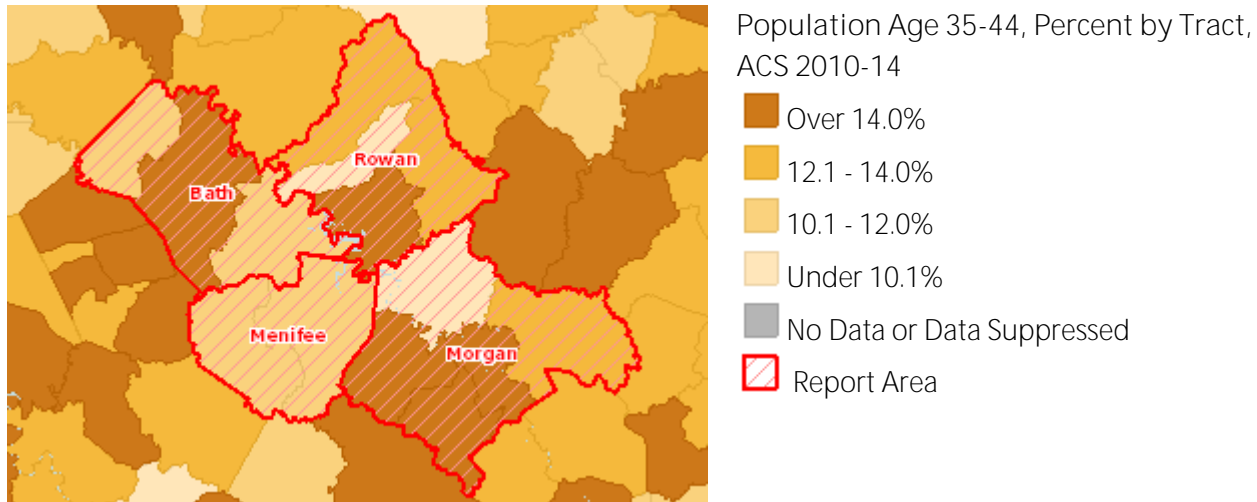


## Population Age 35-44

This indicator reports the percentage of youth aged 25-34 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 35-44	Percent Population Age 35-44
Report Area	55,214	6,839	12.39%
Bath County, KY	11,870	1,546	13.02%
Menifee County, KY	6,337	708	11.17%
Morgan County, KY	13,522	1,933	14.3%
Rowan County, KY	23,485	2,652	11.29%
Kentucky	4,383,272	568,453	12.97%
United States	314,107,072	40,723,040	12.96%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

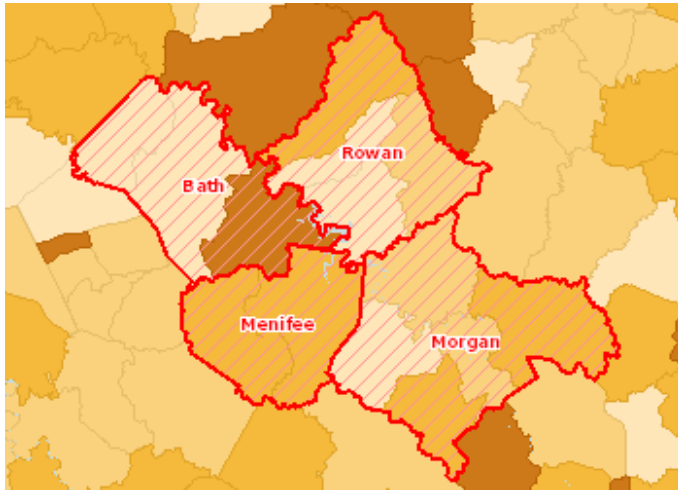


## Population Age 45-54

This indicator reports the percentage of youth aged 45-54 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 45-54	Percent Population Age 45-54
Report Area	55,214	7,475	13.54%
Bath County, KY	11,870	1,688	14.22%
Menifee County, KY	6,337	1,064	16.79%
Morgan County, KY	13,522	1,974	14.6%
Rowan County, KY	23,485	2,749	11.71%
Kentucky	4,383,272	626,850	14.3%
United States	314,107,072	44,248,184	14.09%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population Age 45-54, Percent by Tract, ACS 2010-14

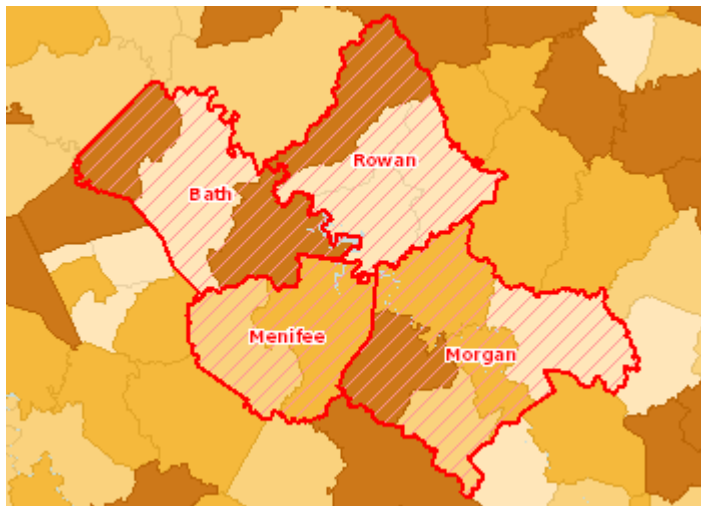
- Over 17.0%
- 15.1 - 17.0%
- 13.1 - 15.0%
- Under 13.1%
- No Data or Data Suppressed
- Report Area

## Population Age 55-64

This indicator reports the percentage of youth aged 45-54 in the designated geographic area. This indicator is relevant because it is important to understand the percentage of youth in the community, as this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 55-64	Percent Population Age 55-64
Report Area	55,214	6,912	12.52%
Bath County, KY	11,870	1,637	13.79%
Menifee County, KY	6,337	837	13.21%
Morgan County, KY	13,522	1,905	14.09%
Rowan County, KY	23,485	2,533	10.79%
Kentucky	4,383,272	563,817	12.86%
United States	314,107,072	38,596,760	12.29%

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Population Age 55-64, Percent by Tract, ACS 2010-14

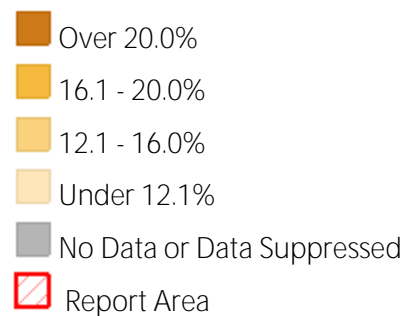
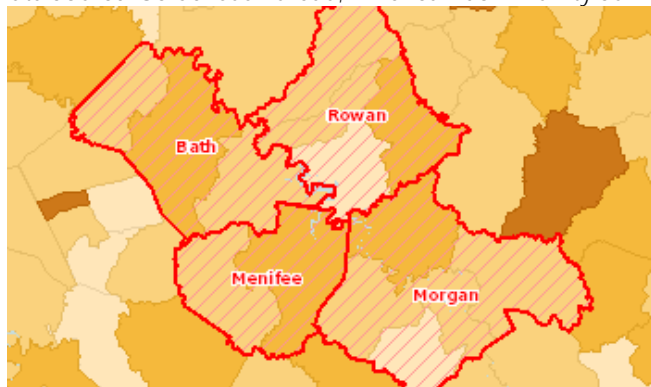
- Over 15.0%
- 13.1 - 15.0%
- 11.1 - 13.0%
- Under 11.1%
- No Data or Data Suppressed
- Report Area

## Population Age 65

An estimated 14.03% percent of the population in the report area according to the U.S. Census Bureau American Community Survey 2010-14 5-year estimates. An estimated total of 7,744 older adults resided in the area during this time period. The number of persons age 65 or older is relevant because this population has unique health needs which should be considered separately from other age groups.

Report Area	Total Population	Population Age 65	Percent Population Age 65
Report Area	55,214	7,744	14.03%
Bath County, KY	11,870	1,809	15.24%
Menifee County, KY	6,337	983	15.51%
Morgan County, KY	13,522	1,927	14.25%
Rowan County, KY	23,485	3,025	12.88%
Kentucky	4,383,272	614,496	14.02%
United States	314,107,072	43,177,960	13.75%

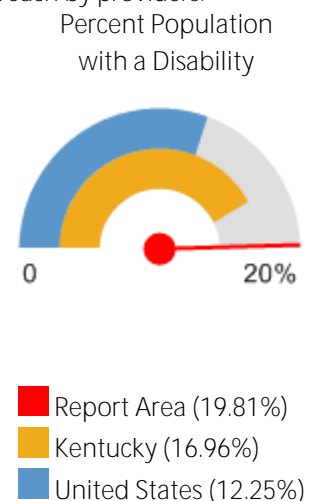
Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract  
Population Age 65 , Percent by Tract, ACS 2010-14



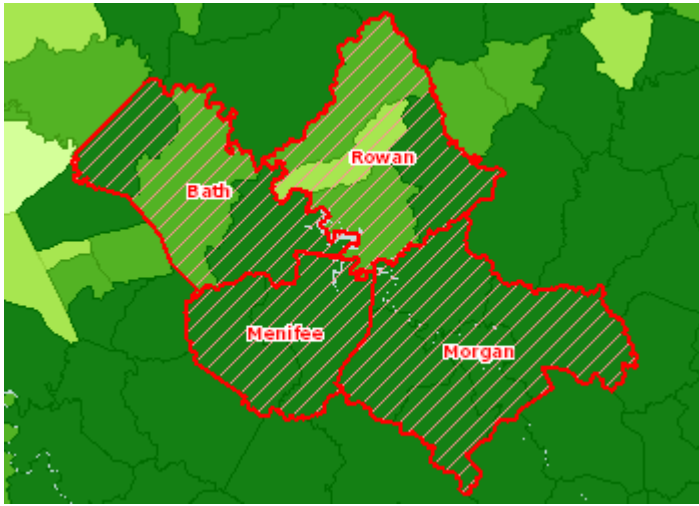
## Population with Any Disability

This indicator reports the percentage of the total civilian non-institutionalized population with a disability. This indicator is relevant because disabled individuals comprise a vulnerable population that requires targeted services and outreach by providers.

Report Area	Total Population (For Whom Disability Status Is Determined)	Total Population with a Disability	Percent Population with a Disability
Report Area	53,111	10,521	19.81%
Bath County, KY	11,771	2,534	21.53%
Menifee County, KY	6,246	1,482	23.73%
Morgan County, KY	11,833	2,744	23.19%
Rowan County, KY	23,261	3,761	16.17%
Kentucky	4,296,790	728,871	16.96%
United States	309,082,272	37,874,568	12.25%



Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



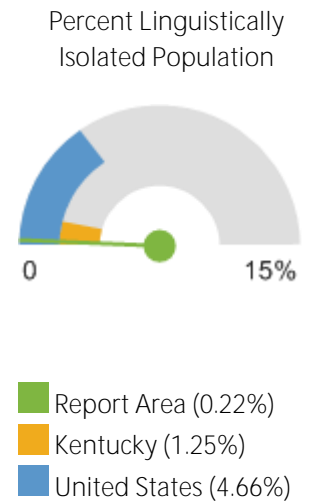
Disabled Population, Percent by Tract, ACS 2010-14

- Over 18.0%
- 15.1 - 18.0%
- 12.1 - 15.0%
- Under 12.1%
- No Data or Data Suppressed
- Report Area

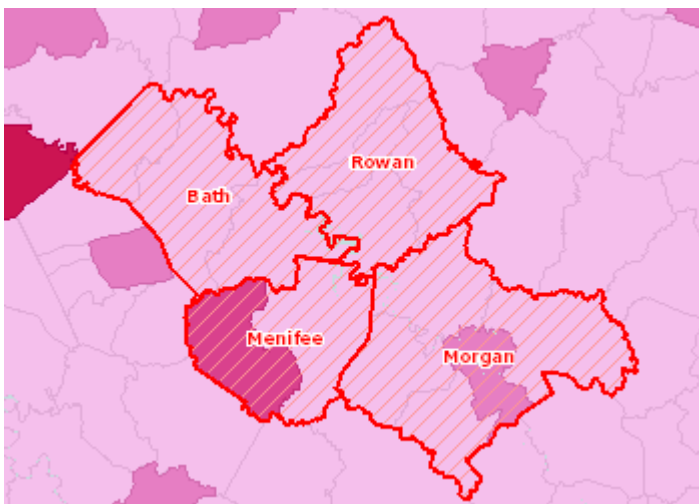
### Linguistically Isolated Population

This indicator reports the percentage of the population aged 5 and older who live in a home in which no person 14 years old and over speaks only English, or in which no person 14 years old and over speak a non-English language and speak English "very well."

Report Area	Total Population Age 5	Linguistically Isolated Population	Percent Linguistically Isolated Population
Report Area	52,053	112	0.22%
Bath County, KY	11,069	0	0%
Menifee County, KY	5,990	72	1.2%
Morgan County, KY	12,824	40	0.31%
Rowan County, KY	22,170	0	0%
Kentucky	4,105,496	51,171	1.25%
United States	294,133,376	13,692,809	4.66%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population in Linguistically Isolated Households, Percent by Tract, ACS 2010-14

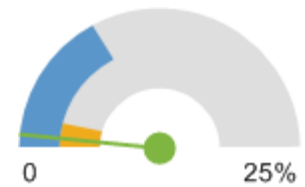
- Over 3.0%
- 1.1 - 3.0%
- 0.1 - 1.1%
- No Population in Linguistically Isolated Households
- No Data or Data Suppressed
- Report Area

## Population with Limited English Proficiency

This indicator reports the percentage of the population aged 5 and older who speak a language other than English at home and speak English less than "very well." This indicator is relevant because an inability to speak English well creates barriers to healthcare access, provider communications, and health literacy/education.

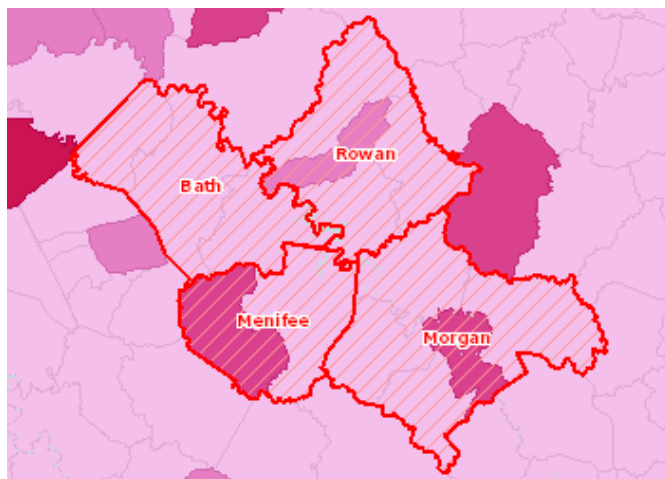
Report Area	Total Population	Population Age 5	Population Age 5 with Limited English Proficiency	Percent Population Age 5 with Limited English Proficiency
Report Area	52,053	52,053	413	0.79%
Bath County, KY	11,069	11,069	89	0.8%
Menifee County, KY	5,990	5,990	72	1.2%
Morgan County, KY	12,824	12,824	111	0.87%
Rowan County, KY	22,170	22,170	141	0.64%
Kentucky	4,105,496	4,105,496	87,157	2.12%
United States	294,133,376	294,133,388	25,305,204	8.6%

Percent Population Age 5 with Limited English Proficiency



- Report Area (0.79%)
- Kentucky (2.12%)
- United States (8.6%)

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Population with Limited English Proficiency, Percent by Tract, ACS 2010-14

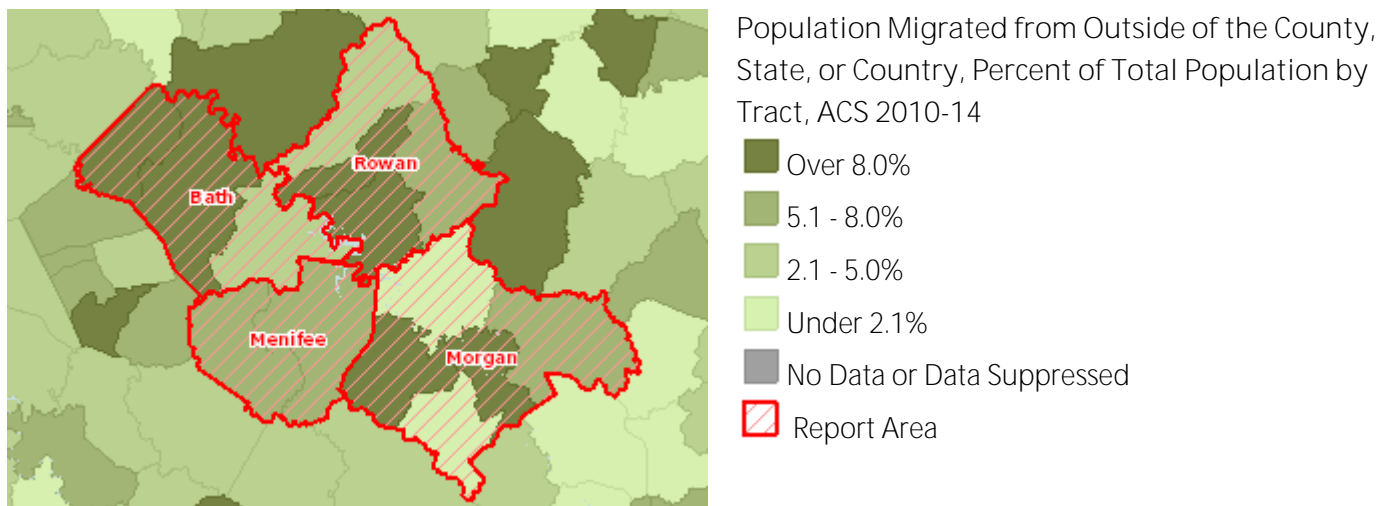
- Over 4.0%
- 2.1 - 4.0%
- 1.1 - 2.0%
- Under 1.1%
- No Data or Data Suppressed
- Report Area

## Population Geographic Mobility

This indicator reports information about population in-migration by assessing changes in residence within a one year period. Of the 54,472 persons residing in the report area, an estimated 9.93% relocated to the area, according to the latest American Community Survey 5-year estimates. Persons who moved to a new household from outside of their current county of residence, from outside their state of residence, or from abroad are considered part of the in-migrated population. Persons who moved to a new household from a different household within their current county of residence are not included.

Report Area	Total Population	Population In-Migration	Percent Population In-Migration
Report Area	54,472	5,407	9.93%
Bath County, KY	11,697	976	8.34%
Menifee County, KY	6,286	398	6.33%
Morgan County, KY	13,352	1,187	8.89%
Rowan County, KY	23,137	2,846	12.3%
Kentucky	4,330,623	286,317	6.61%
United States	310,385,248	18,809,316	6.06%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

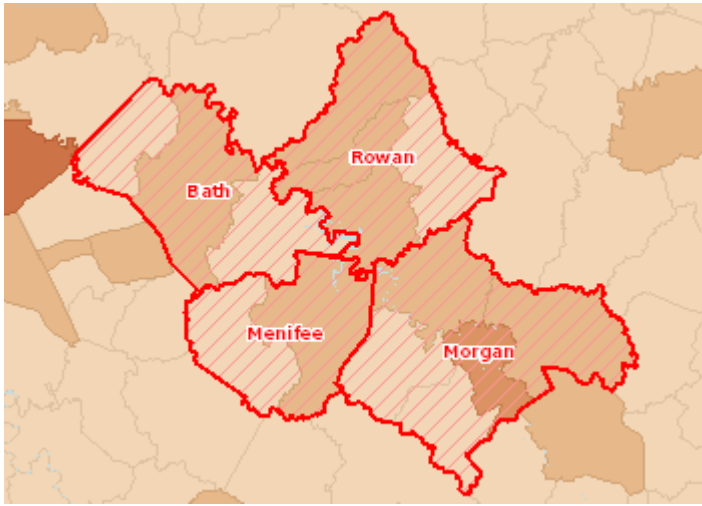


## Foreign-Born Population

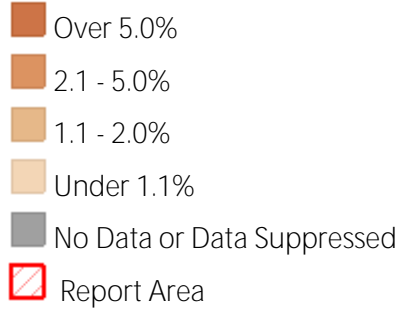
This indicator reports the percentage of the population that is foreign-born. The foreign-born population includes anyone who was not a U.S. citizen or a U.S. national at birth. This includes any non-citizens, as well as persons born outside of the U.S. who have become naturalized citizens. The native U.S. population includes any person born in the United States, Puerto Rico, a U.S. Island Area (such as Guam), or abroad of American (U.S. citizen) parent or parents. The latest figures from the U.S. Census Bureau show that 623 persons in the report area are of foreign birth, which represents 1.13% of the report area population. This percentage is less than the national rate of 12.95%.

Report Area	Total Population	Naturalized U.S. Citizens	Population Without U.S. Citizenship	Total Foreign-Birth Population	Foreign-Birth Population, Percent of Total Population
Report Area	55,214	278	345	623	1.13%
Bath County, KY	11,870	18	82	100	0.84%
Menifee County, KY	6,337	0	68	68	1.07%
Morgan County, KY	13,522	112	93	205	1.52%
Rowan County, KY	23,485	148	102	250	1.06%
Kentucky	4,383,272	52,653	95,156	147,809	3.37%
United States	314,107,072	18,800,048	22,256,836	41,056,884	13.07%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Foreign-Born Population (Non-Citizen or Naturalized), Percent by Tract, ACS 2010-14

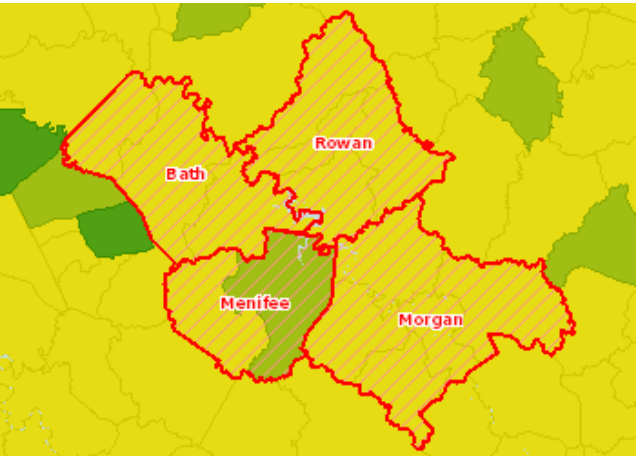


### Hispanic Population

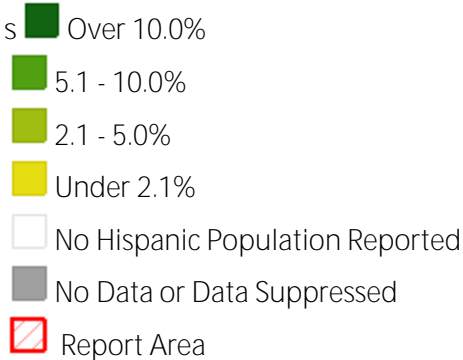
The estimated population that is of Hispanic, Latino, or Spanish origin in the report area is 581. This represents 1.05% of the total report area population, which is less than the national 16.62% rate. Origin can be viewed as the heritage, nationality group, lineage, or country of birth of the person or the person’s parents or ancestors before their arrival in the United States. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.

Report Area	Total Population	Non-Hispanic Population	Percent Population Non-Hispanic	Hispanic or Latino Population	Percent Population Hispanic or Latino
Report Area	55,214	54,633	98.95%	581	1.05%
Bath County, KY	11,870	11,706	98.62%	164	1.38%
Menifee County, KY	6,337	6,218	98.12%	119	1.88%
Morgan County, KY	13,522	13,395	99.06%	127	0.94%
Rowan County, KY	23,485	23,314	99.27%	171	0.73%
Kentucky	4,383,272	4,243,636	96.81%	139,636	3.19%
United States	314,107,072	261,036,992	83.1%	53,070,096	16.9%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population, Hispanic or Latino, Percent by Tract, ACS 2010-14



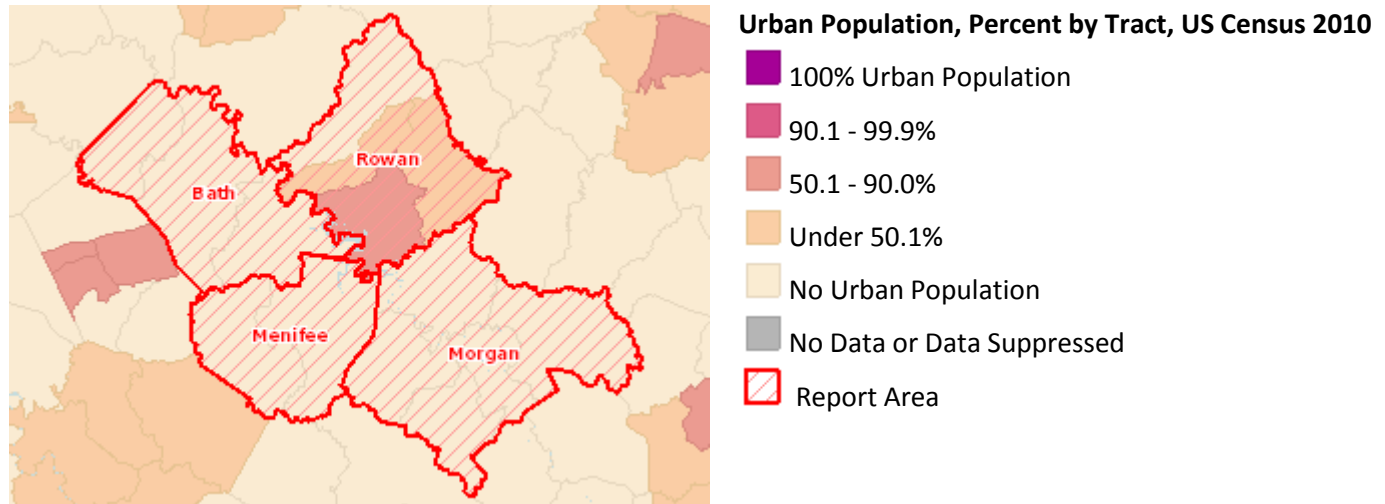


## Urban and Rural Population

This indicator reports the percentage of population living in urban and rural areas. Urban areas are identified using population density, count, and size thresholds. Urban areas also include territory with a high degree of impervious surface (development). Rural areas are all areas that are not urban.

Report Area	Total Population	Urban Population	Rural Population	% Urban	% Rural
Report Area	55,153	7,282	47,871	13.2%	86.8%
Bath County, KY	11,591	0	11,591	0%	100%
Menifee County, KY	6,306	0	6,306	0%	100%
Morgan County, KY	13,923	0	13,923	0%	100%
Rowan County, KY	23,333	7,282	16,051	31.21%	68.79%
Kentucky	4,339,367	2,533,343	1,806,024	58.38%	41.62%
United States	312,471,327	252,746,527	59,724,800	80.89%	19.11%

Data Source: US Census Bureau, Decennial Census. 2010. Source geography: Tract

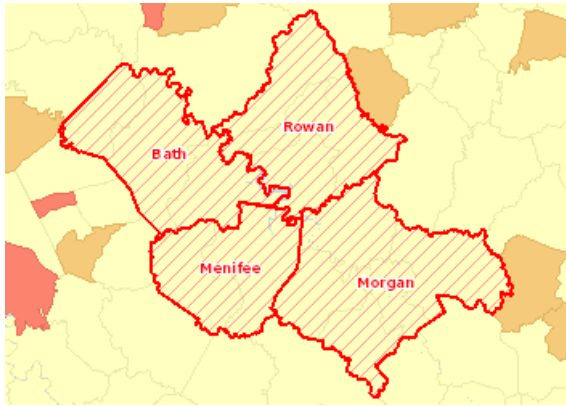


## Veteran Population

This indicator reports the percentage of the population age 18 and older that served (even for a short time), but is not currently serving, on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or the Coast Guard, or that served in the U.S. Merchant Marine during World War II.

Report Area	Total Population Age 18	Total Veterans	Veterans, Percent of Total Population
Report Area	43,455	2,727	6.28%
Bath County, KY	8,899	529	5.94%
Menifee County, KY	4,864	404	8.31%
Morgan County, KY	10,805	600	5.55%
Rowan County, KY	18,887	1,194	6.32%
Kentucky	3,349,513	303,167	9.05%
United States	239,305,216	20,700,712	8.65%

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



**Veterans, Percent of Total Population by Tract, ACS 2010-14**

- Over 13%
- 11.1 - 13.0%
- 9.1 - 11.0%
- Under 9.1%
- No Data or Data Suppressed
- Report Area



## Social & Economic Factors

Economic and social insecurity often are associated with poor health. Poverty, unemployment, and lack of educational achievement affect access to care and a community's ability to engage in healthy behaviors. Without a network of support and a safe community, families cannot thrive. Ensuring access to social and economic resources provides a foundation for a healthy community.

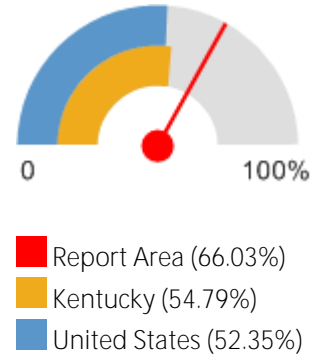
Social & Economic Factors		
Children Eligible for Free/Reduced Price Lunch	Income - Public Assistance Income	Poverty - Children Below 100% FPL
Food Insecurity Rate	Insurance - Population Receiving Medicaid	Poverty - Children Below 200% FPL
High School Graduation Rate (EdFacts)	Insurance - Uninsured Adults	Poverty - Population Below 100% FPL
High School Graduation Rate (NCES)	Insurance - Uninsured Children	Poverty - Population Below 185% FPL
Households with No Motor Vehicle	Insurance - Uninsured Population	Poverty - Population Below 200% FPL
Housing Cost Burden (30%)	Lack of Social or Emotional Support	Poverty - Population Below 50% FPL
Income - Families Earning Over \$75,000	Population Receiving SNAP Benefits (ACS)	Teen Births
Income - Inequality (GINI Index)	Population Receiving SNAP Benefits (SAIPE)	Unemployment Rate
Income - Median Family Income	Population with Associate's Level Degree or Higher	Violent Crime
Income - Per Capita Income	Population with No High School Diploma	

## Children Eligible for Free/Reduced Price Lunch

Within the report area 5,595 public school students or 66.03% are eligible for Free/Reduced Price lunch out of 8,473 total students enrolled. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs. Additionally, when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

Report Area	Total Students	Number Free/Reduced Price Lunch Eligible	Percent Free/Reduced Price Lunch Eligible
Report Area	8,473	5,595	66.03%
Bath County, KY	2,123	1,475	69.48%
Menifee County, KY	1,053	777	73.79%
Morgan County, KY	2,118	1,533	72.38%
Rowan County, KY	3,179	1,810	56.94%
Kentucky	675,587	368,159	54.79%
United States	50,195,195	26,012,902	52.35%

Percent Students Eligible for Free or Reduced Price Lunch



Data Source: National Center for Education Statistics, NCES - Common Core of Data. 2013-14.

Source geography: Address



Students Eligible for Free or Reduced-Price Lunch, NCES CCD 2013-14

- Over 80.0%
- 60.1 - 80.0%
- 40.1 - 60.0%
- 20.1 - 40.0%
- Under 20.1%
- Not Reported
- Report Area

## Food Insecurity Rate

This indicator reports the estimated percentage of the population that experienced food insecurity at some point during the report year. Food insecurity is the household-level economic and social condition of limited or uncertain access to adequate food.

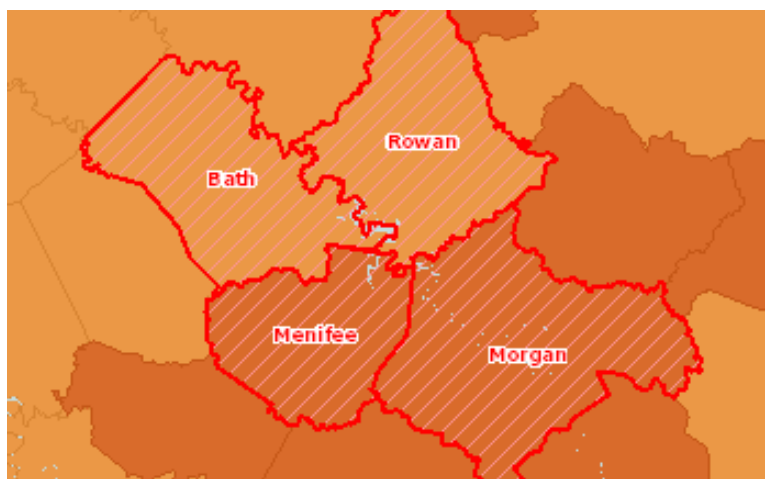
Report Area	Total Population	Food Insecure Population, Total	Food Insecurity Rate
Report Area	55,148	10,140	18.39%
Bath County, KY	11,732	2,090	17.81%
Menifee County, KY	6,334	1,230	19.42%
Morgan County, KY	13,657	2,650	19.4%
Rowan County, KY	23,425	4,170	17.8%
Kentucky	4,395,295	722,330	16.43%
United States	320,750,757	48,770,990	15.21%

Percentage of the Population with Food Insecurity



- Report Area (18.39)
- Kentucky (16.43)
- United States (15.21)

Data Source: Feeding America. 2013. Source geography: County



Food Insecure Population, Percent by County, Feeding America 2013

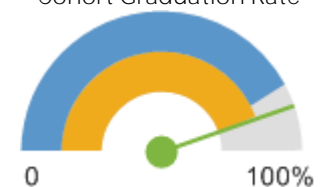
- Over 18.0%
- 15.1 - 18.0%
- 12.1 - 15.0%
- Under 12.1%
- Report Area

## High School Graduation Rate (EdFacts)

Within the report area 89.2% of students are receiving their high school diploma within four years. This indicator is relevant because research suggests education is one the strongest predictors of health ([Freudenberg, Ruglis, 2007](#)).

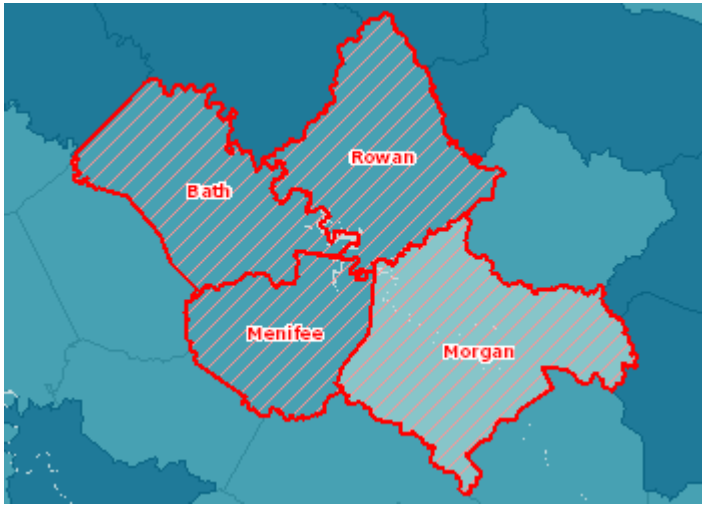
Report Area	Total Student Cohort	Estimated Number of Diplomas Issued	Cohort Graduation Rate
Report Area	590	526	89.2
Bath County, KY	144	125	86.8
Menifee County, KY	66	61	92.4
Morgan County, KY	145	119	82.1
Rowan County, KY	235	221	94
Kentucky	47,340	42,072	88.9
United States	3,127,886	2,635,290	84.3

Cohort Graduation Rate

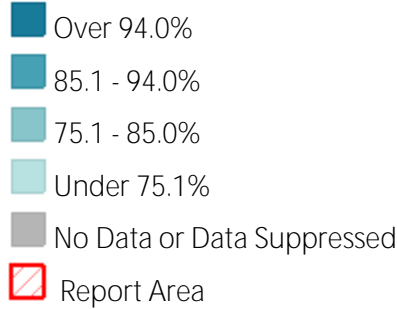


- Report Area (89.2%)
- Kentucky (88.9%)
- United States (84.3%)

Data Source: US Department of Education, EdFacts. Accessed via DATA.GOV. Additional data analysis by CARES. 2013-14. Source geography: School District



On-Time Graduation, Rate by School District (Secondary), EDFacts 2013-14

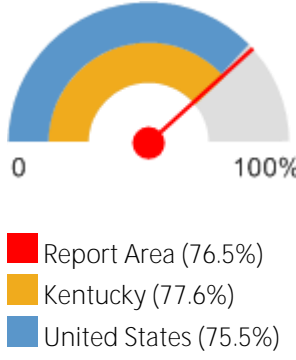


### High School Graduation Rate (NCES)

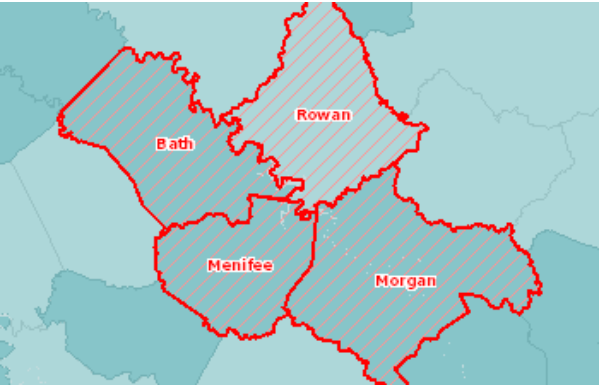
Within the report area 76.5% of students are receiving their high school diploma within four years. This is less than the Healthy People 2020 target of 82.4%. This indicator is relevant because research suggests education is one the strongest predictors of health (Freudenberg Ruglis, 2007).

Report Area	Average Freshman Base Enrollment	Estimated Number of Diplomas Issued	On-Time Graduation Rate
Report Area	709	543	76.5
Bath County, KY	161	131	81.3
Menifee County, KY	81	64	78.4
Morgan County, KY	189	143	75.4
Rowan County, KY	278	206	74
Kentucky	53,909	41,851	77.6
United States	4,024,345	3,039,015	75.5
<a href="#">HP 2020 Target</a>			> =82.4

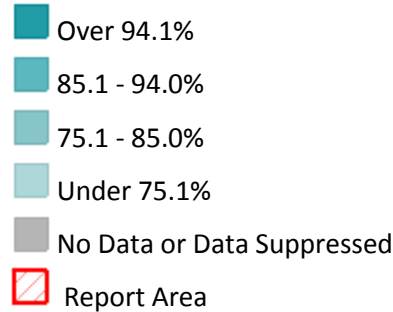
On-Time Graduation Rate



Data Source: National Center for Education Statistics, NCES - Common Core of Data. 2008-09.  
Source geography: County



On-Time Graduation, Rate by School District (Secondary), NCES CCD 2008-09

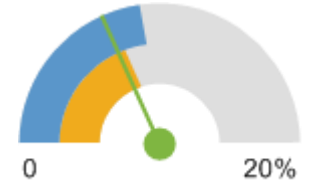


## Households with No Motor Vehicle

This indicator reports the number and percentage of households with no motor vehicle based on the latest 5-year American Community Survey estimates.

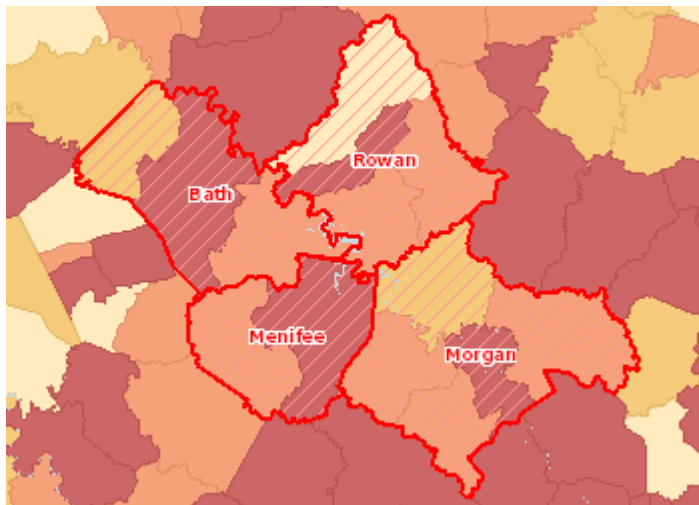
Report Area	Total Occupied Households	Households with No Motor Vehicle	Percentage of Households with No Motor Vehicle
Report Area	20,013	1,451	7.25%
Bath County, KY	4,361	346	7.93%
Menifee County, KY	2,404	195	8.11%
Morgan County, KY	4,841	366	7.56%
Rowan County, KY	8,407	544	6.47%
Kentucky	1,702,235	133,688	7.85%
United States	116,211,088	10,594,153	9.12%

Percentage of Households with No Motor Vehicle



- Report Area (7.25%)
- Kentucky (7.85%)
- United States (9.12%)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Households with No Vehicle, Percent by Tract, ACS 2010-14

- Over 8.0%
- 6.1 - 8.0%
- 4.1 - 6.0%
- Under 4.1%
- No Data or Data Suppressed
- Report Area

## Housing Cost Burden (30%)

This indicator reports the percentage of the households where housing costs exceed 30% of total household income. This indicator provides information on the cost of monthly housing expenses for owners and renters. The information offers a measure of housing affordability and excessive shelter costs. The data also serve to aid in the development of housing programs to meet the needs of people at different economic levels.

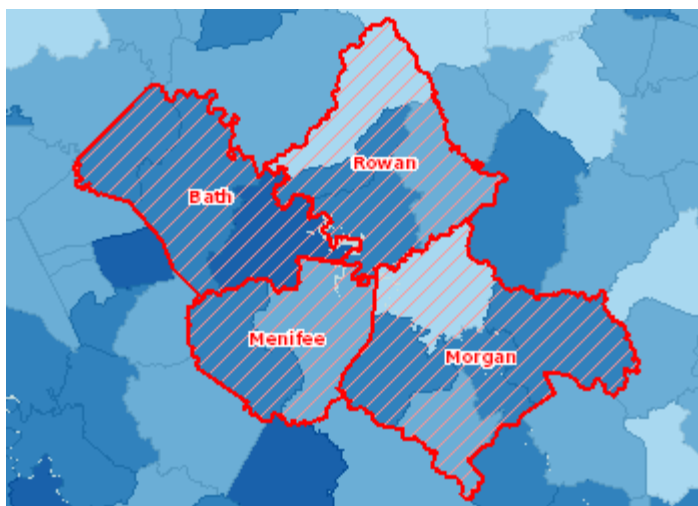
Report Area	Total Households	Cost Burdened Households (Housing Costs Exceed 30% of Income)	Percentage of Cost Burdened Households (Over 30% of Income)
Report Area	20,013	5,686	28.41%
Bath County, KY	4,361	1,565	35.89%
Menifee County, KY	2,404	631	26.25%
Morgan County, KY	4,841	1,314	27.14%
Rowan County, KY	8,407	2,176	25.88%
Kentucky	1,702,235	476,500	27.99%
United States	116,211,096	40,509,856	34.86%

Percentage of Households where Housing Costs Exceed 30% of Income



- Report Area (28.41%)
- Kentucky (27.99%)
- United States (34.86%)

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Cost Burdened Households (Housing Costs Exceed 30% of Household Income), Percent by Tract, ACS 2010-14

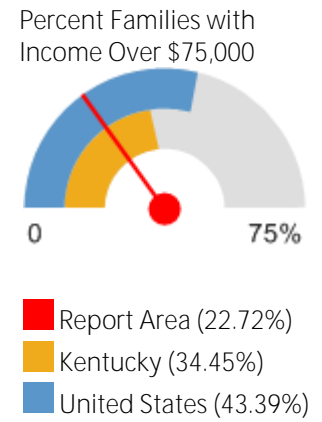
- Over 35.1%
- 28.1 - 35.0%
- 21.1 - 28.0%
- Under 21.1%
- No Data or Data Suppressed
- Report Area

### Income - Families Earning Over \$75,000

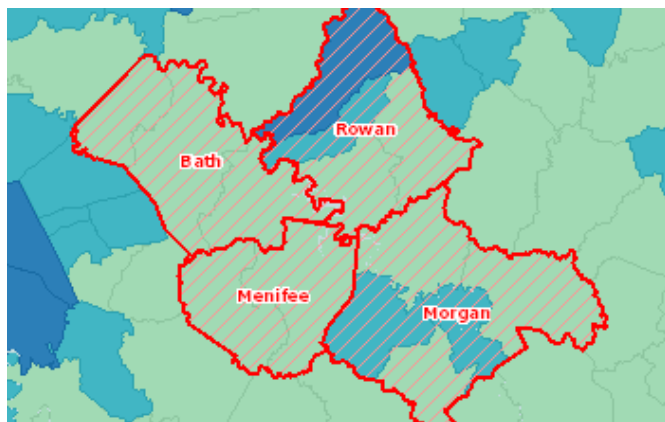
In the report area, 22.72%, or 3,075 families report a total annual income of \$75,000 or greater. Total income includes all reported income from wages and salaries as well as income from self-employment, interest or dividends, public assistance, retirement, and other sources. As [defined](#) by the US Census Bureau, a family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage, or adoption. A non-family household is any household occupied by the householder alone, or by the householder and one or more unrelated individuals.



Report Area	Total Families	Families with Income Over \$75,000	Percent Families with Income Over \$75,000
Report Area	13,535	3,075	22.72%
Bath County, KY	3,017	466	15.45%
Menifee County, KY	1,716	327	19.06%
Morgan County, KY	3,586	804	22.42%
Rowan County, KY	5,216	1,478	28.34%
Kentucky	1,134,316	390,813	34.45%
United States	76,958,064	33,389,114	43.39%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



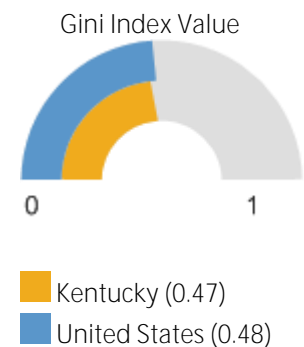
Family Income Over \$75,000, Percent by Tract, ACS 2010-14

## Income - Inequality (GINI Index)

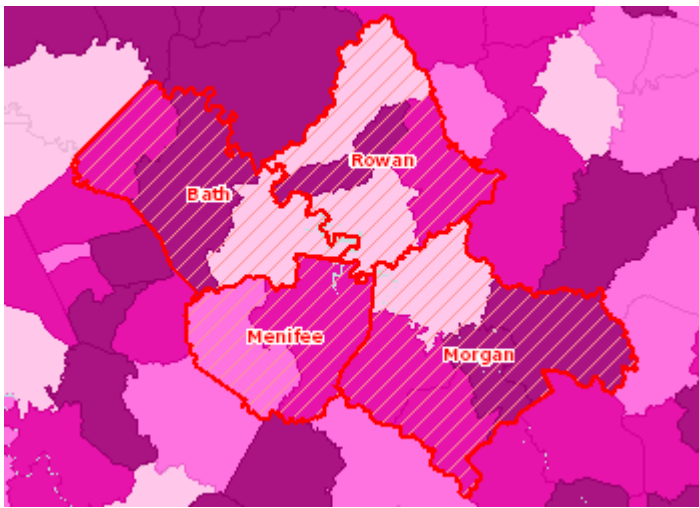
This indicator reports income inequality using the Gini coefficient. Gini index values range between zero and one. A value of one indicates perfect inequality where only one house-hold has any income. A value of zero indicates perfect equality, where all households have equal income.

Index values are acquired from the 2010-14 American Community Survey and are not available for custom report areas or multi-county areas.

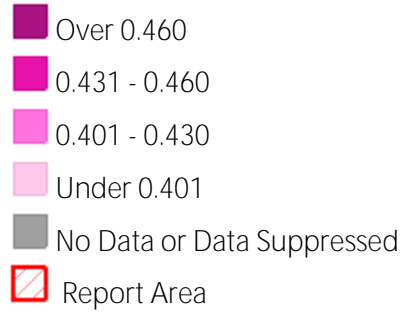
Report Area	Total Households	Gini Index Value
Report Area	20,013	no data
Bath County, KY	4,361	0.49
Menifee County, KY	2,404	0.44
Morgan County, KY	4,841	0.47
Rowan County, KY	8,407	0.45
Kentucky	1,702,235	0.47
United States	116,211,088	0.48



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



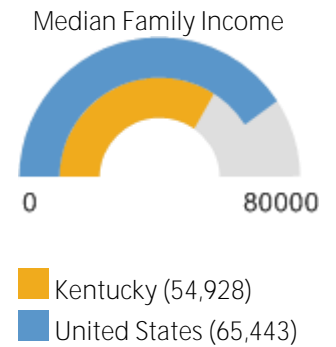
Income Inequality (GINI), Index Value by Tract, ACS 2010-14



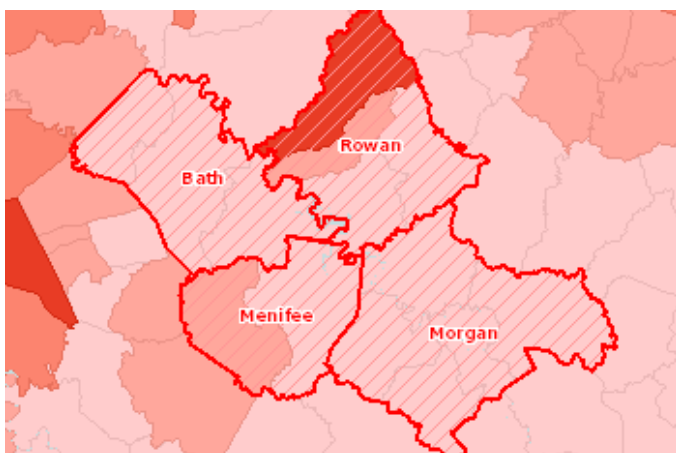
### Income - Median Family Income

This indicator reports median family income based on the latest 5-year American Community Survey estimates. A family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage, or adoption. Family income includes the incomes of all family members age 15 and older.

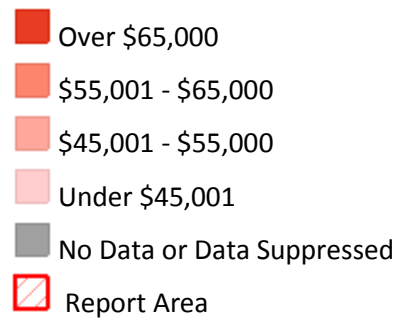
Report Area	Total Family Households	Average Family Income	Median Family Income
Report Area	13,535	\$54,232	no data
Bath County, KY	3,017	\$51,692	\$37,853
Menifee County, KY	1,716	\$46,653	\$35,185
Morgan County, KY	3,586	\$50,383	\$37,821
Rowan County, KY	5,216	\$60,841	\$51,325
Kentucky	1,134,316	\$70,337	\$54,928
United States	76,958,064	\$86,963	\$65,443



Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Median Family Income by Tract, ACS 2010-14

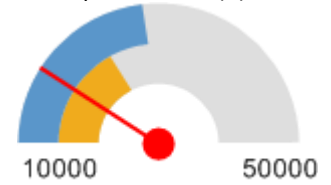


## Income - Per Capita Income

The per capita income for the report area is \$17,312. This includes all reported income from wages and salaries as well as income from self-employment, interest or dividends, public assistance, retirement, and other sources. The per capita income in this report area is the average (mean) income computed for every man, woman, and child in the specified area.

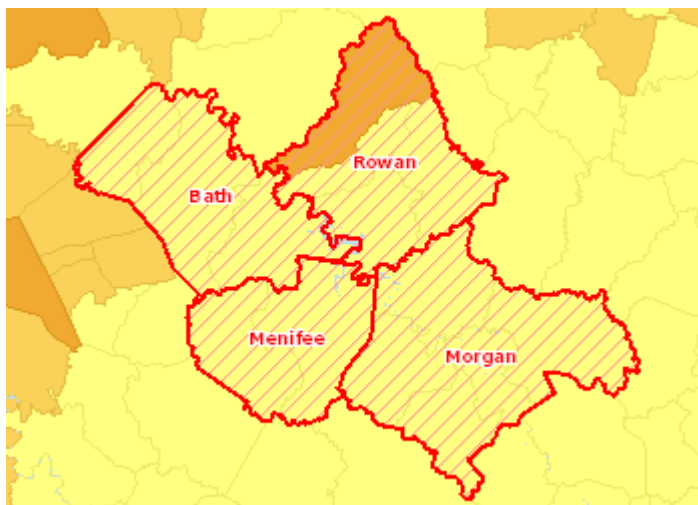
Report Area	Total Population	Total Income (\$)	Per Capita Income (\$)
Report Area	55,214	\$955,902,408	\$17,312
Bath County, KY	11,870	\$203,417,408	\$17,137
Menifee County, KY	6,337	\$104,331,000	\$16,463
Morgan County, KY	13,522	\$221,476,304	\$16,378
Rowan County, KY	23,485	\$426,677,696	\$18,168
Kentucky	4,383,272	\$104,061,403,136	\$23,740
United States	314,107,072	\$8,969,237,037,056	\$28,554

Per Capita Income (\$)



- Report Area (17,312)
- Kentucky (23,740)
- United States (28,554)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Per Capita Income by Tract,  
ACS 2010-14

- Over 30,000
- 25,001 - 30,000
- 20,001 - 25,000
- Under 20,001
- No Data or Data Suppressed
- Report Area

## Income - Public Assistance Income

This indicator reports the percentage households receiving public assistance income. Public assistance income includes general assistance and Temporary Assistance to Needy Families (TANF). Separate payments received for hospital or other medical care (vendor payments) are excluded. This does not include Supplemental Security Income (SSI) or noncash benefits such as Food Stamps.

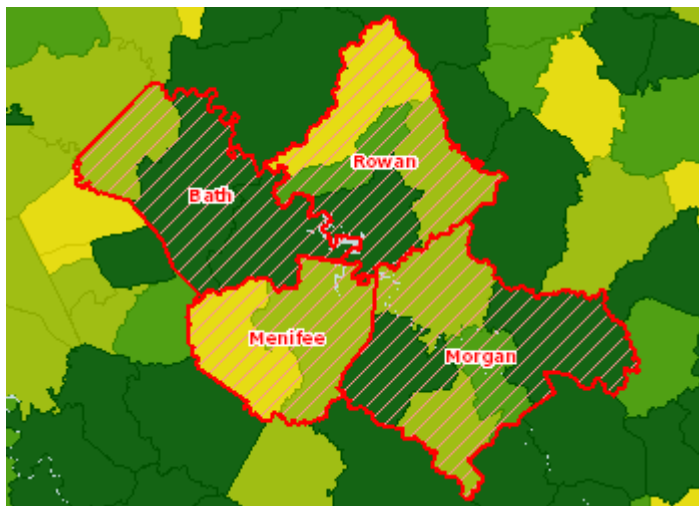
Report Area	Total Households	Households with Public Assistance Income	Percent Households with Public Assistance Income
Report Area	20,013	548	2.74%
Bath County, KY	4,361	171	3.92%
Menifee County, KY	2,404	28	1.16%
Morgan County, KY	4,841	148	3.06%
Rowan County, KY	8,407	201	2.39%
Kentucky	1,702,235	43,006	2.53%
United States	116,211,088	3,274,407	2.82%

Percent Households with Public Assistance Income



- Report Area (2.74%)
- Kentucky (2.53%)
- United States (2.82%)

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Households with Public Assistance Income, Percent by Tract, ACS 2010-14

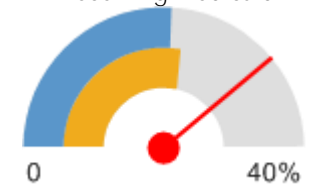
- Over 3.0%
- 2.1 - 3.0%
- 1.1 - 2.0%
- Under 1.1%
- No Data or Data Suppressed
- Report Area

## Insurance - Population Receiving Medicaid

This indicator reports the percentage of the population with insurance enrolled in Medicaid (or other means-tested public health insurance). This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

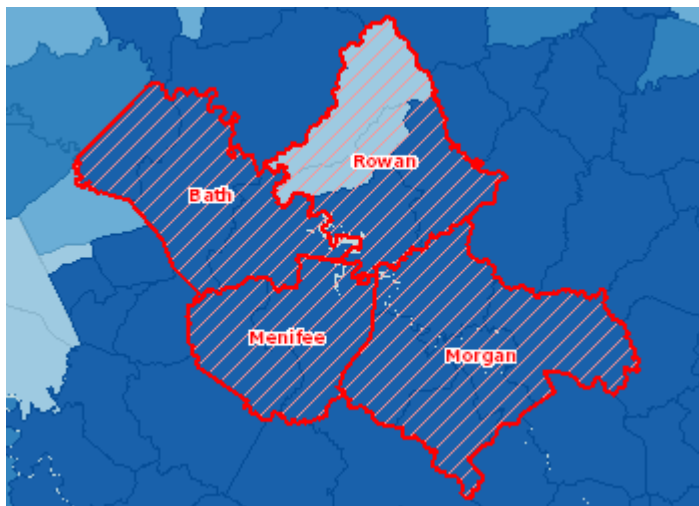
Report Area	Total Population (For Whom Insurance Status is Determined)	Population with Any Health Insurance	Population Receiving Medicaid	Percent of Insured Population Receiving Medicaid
Report Area	53,111	45,026	13,993	31.08%
Bath County, KY	11,771	9,840	3,599	36.58%
Menifee County, KY	6,246	5,371	2,060	38.35%
Morgan County, KY	11,833	10,227	3,996	39.07%
Rowan County, KY	23,261	19,588	4,338	22.15%
Kentucky	4,296,790	3,730,707	835,385	22.39%
United States	309,082,272	265,204,128	55,035,660	20.75%

Percent of Insured Population Receiving Medicaid



- Report Area (31.08%)
- Kentucky (22.39%)
- United States (20.75%)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Insured, Medicaid / Means-Tested Coverage, Percent by Tract, ACS 2010-14

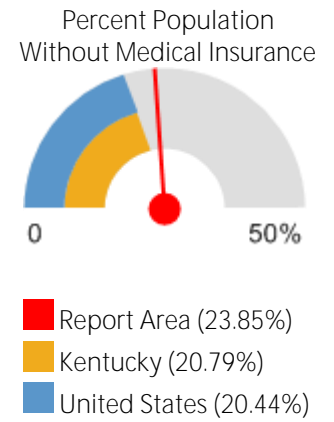
- Over 25.0%
- 20.1 - 25.0%
- 15.1 - 20.0%
- Under 15.1%
- No Data or Data Suppressed
- Report Area

## Insurance - Uninsured Adults

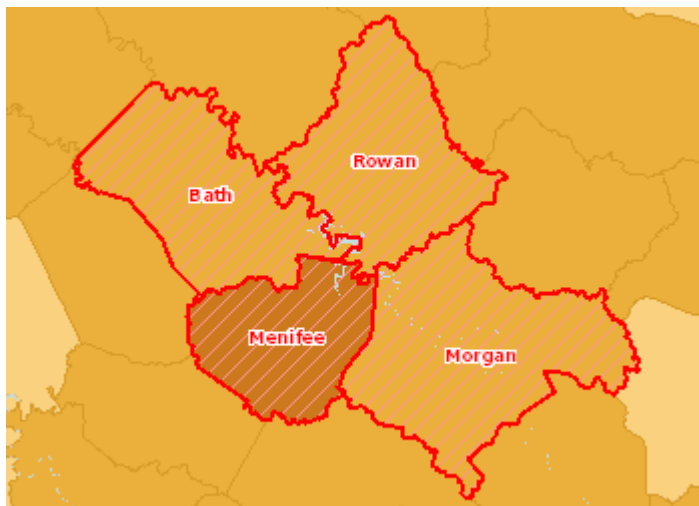
The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of adults age 18 to 64 without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

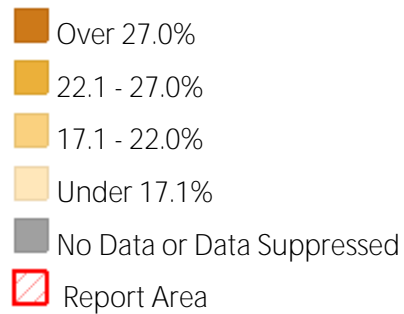
Report Area	Total Population Age 18 - 64	Population with Medical Insurance	Percent Population With Medical Insurance	Population Without Medical Insurance	Percent Population Without Medical Insurance
Report Area	31,897	24,289	76.15%	7,608	23.85%
Bath County, KY	7,145	5,349	74.86%	1,796	25.14%
Menifee County, KY	3,859	2,778	71.99%	1,081	28.01%
Morgan County, KY	7,261	5,606	77.21%	1,655	22.79%
Rowan County, KY	13,632	10,556	77.44%	3,076	22.56%
Kentucky	2,659,811	2,106,746	79.21%	553,065	20.79%
United States	192,461,139	153,124,895	79.56%	39,336,247	20.44%



Data Source: US Census Bureau, Small Area Health Insurance Estimates. 2013. Source geography: County



Uninsured Population, Age 18-64, Percent by County, SAHIE 2013

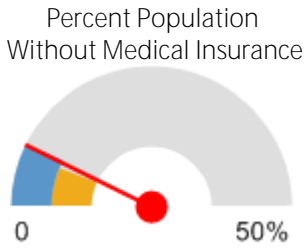


## Insurance - Uninsured Children

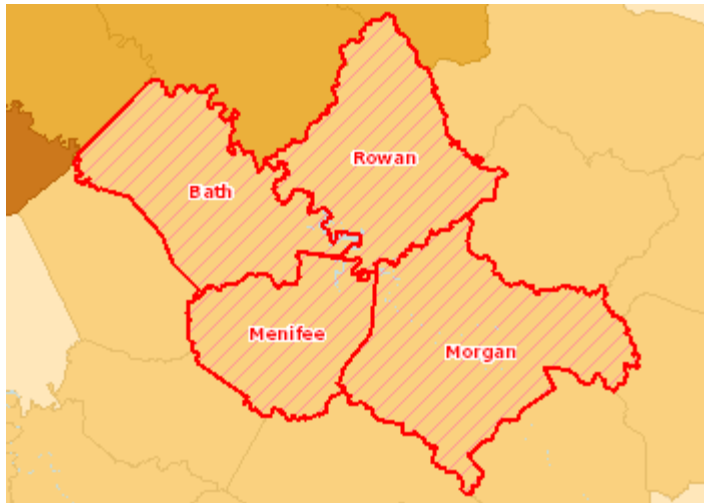
The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of children under age 19 without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

Report Area	Total Population Under Age 19	Population with Medical Insurance	Percent Population With Medical Insurance	Population Without Medical Insurance	Percent Population Without Medical Insurance
Report Area	11,640	10,801	92.79%	839	7.21%
Bath County, KY	3,047	2,804	92.02%	243	7.98%
Menifee County, KY	1,395	1,283	91.97%	112	8.03%
Morgan County, KY	2,583	2,391	92.57%	192	7.43%
Rowan County, KY	4,615	4,323	93.67%	292	6.33%
Kentucky	1,040,130	972,814	93.53%	67,316	6.47%
United States	76,195,402	70,470,743	92.49%	5,724,663	7.51%



Data Source: US Census Bureau, Small Area Health Insurance Estimates. 2013. Source geography: County



Uninsured Population, Age 0-18, Percent by County, SAHIE 2013

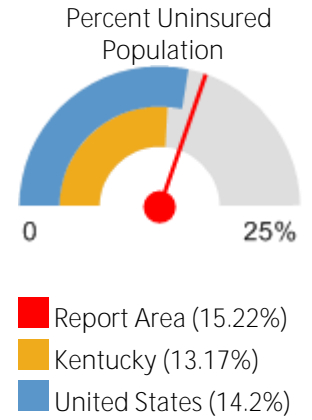


## Insurance - Uninsured Population

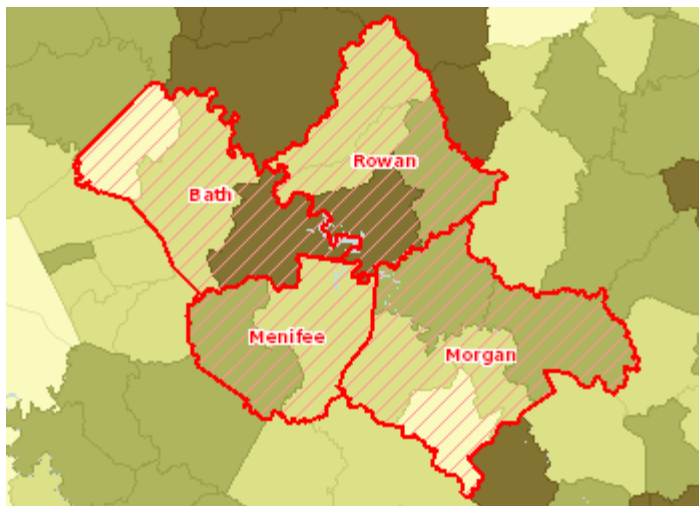
The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of the total civilian non-institutionalized population without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

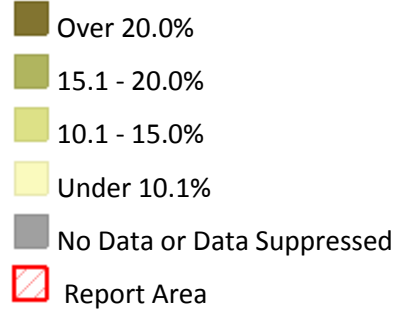
Report Area	Total Population (For Whom Insurance Status is Determined)	Total Uninsured Population	Percent Uninsured Population
Report Area	53,111	8,085	15.22%
Bath County, KY	11,771	1,931	16.4%
Menifee County, KY	6,246	875	14.01%
Morgan County, KY	11,833	1,606	13.57%
Rowan County, KY	23,261	3,673	15.79%
Kentucky	4,296,790	566,083	13.17%
United States	309,082,272	43,878,140	14.2%



Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



**Uninsured Population, Percent by Tract, ACS 2010-14**



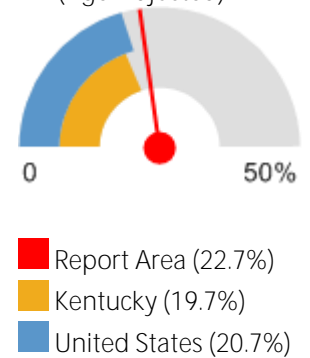
## Lack of Social or Emotional Support

This indicator reports the percentage of adults aged 18 and older who self-report that they receive insufficient social and emotional support all or most of the time. This indicator is relevant because social and emotional support is critical for navigating the challenges of daily life as well as for good mental health. Social and emotional support is also linked to educational achievement and economic stability.

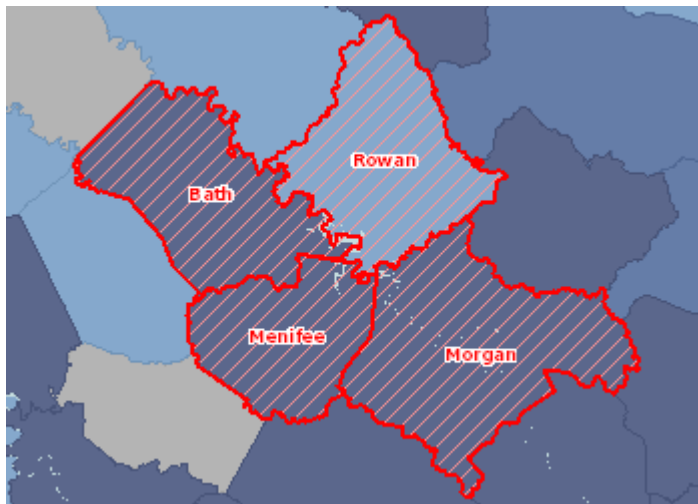


Report Area	Total Population Age 18	Estimated Population Without Adequate Social / Emotional Support	Crude Percentage	Age-Adjusted Percentage
Report Area	43,369	9,625	22.2%	22.7%
Bath County, KY	8,716	2,240	25.7%	26.5%
Menifee County, KY	4,911	1,365	27.8%	27.8%
Morgan County, KY	11,118	2,724	24.5%	25.5%
Rowan County, KY	18,624	3,296	17.7%	17.9%
Kentucky	3,294,652	649,046	19.7%	19.7%
United States	232,556,016	48,104,656	20.7%	20.7%

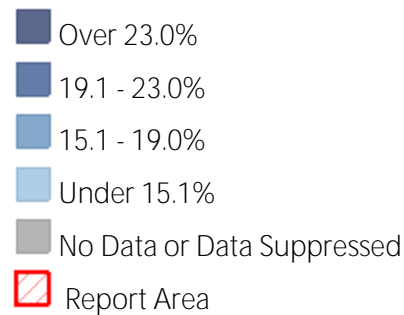
Percent Adults Without Adequate Social / Emotional Support (Age-Adjusted)



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



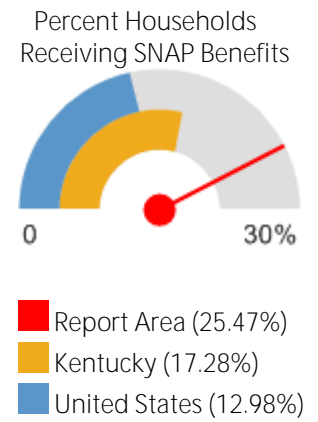
Inadequate Social/Emotional Support, Percent of Adults Age 18 by County, BRFSS 2006-12



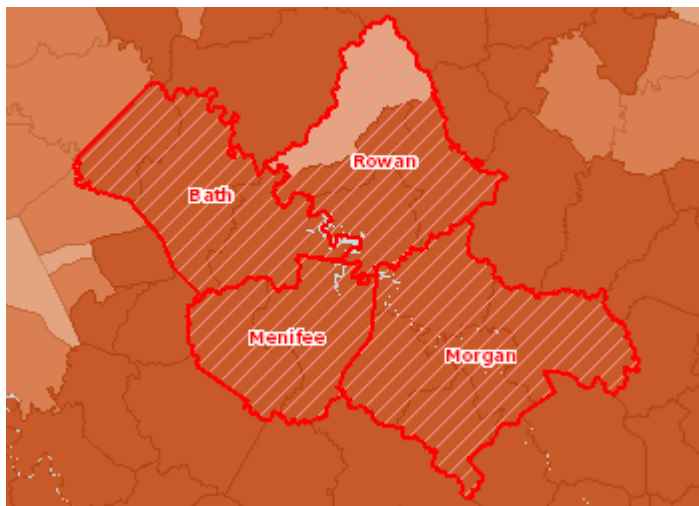
### Population Receiving SNAP Benefits (ACS)

This indicator reports the estimated percentage of households receiving the Supplemental Nutrition Assistance Program (SNAP) benefits. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrolment.

Report Area	Total Households	Households Receiving SNAP Benefits	Percent Households Receiving SNAP Benefits
Report Area	20,013	5,097	25.47%
Bath County, KY	4,361	1,096	25.13%
Menifee County, KY	2,404	693	28.83%
Morgan County, KY	4,841	1,544	31.89%
Rowan County, KY	8,407	1,764	20.98%
Kentucky	1,702,235	294,172	17.28%
United States	116,211,088	15,089,358	12.98%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



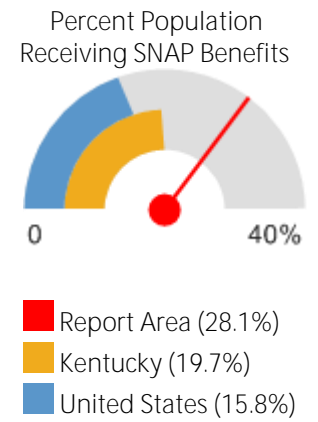
Households Receiving SNAP Benefits, Percent by Tract, ACS 2010-14



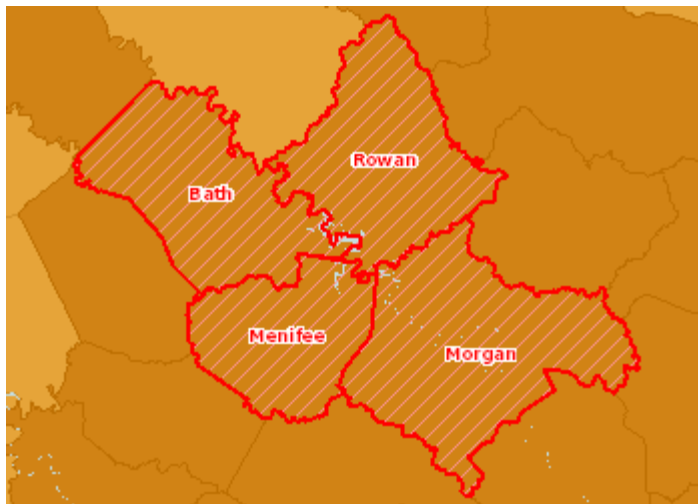
### Population Receiving SNAP Benefits (SAIPE)

This indicator reports the average percentage of the population receiving the Supplemental Nutrition Assistance Program (SNAP) benefits between the months of July 2012 and July 2013. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

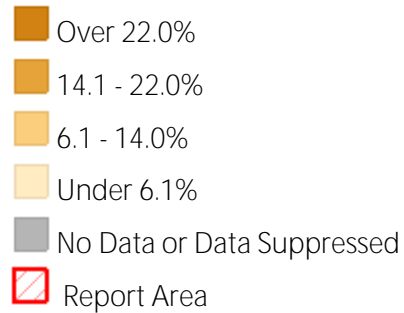
Report Area	Total Population	Population Receiving SNAP Benefits	Percent Population Receiving SNAP Benefits
Report Area	50,577	14,207	28.1%
Bath County, KY	11,830	3,559	30.1%
Menifee County, KY	6,170	1,882	30.5%
Morgan County, KY	11,561	3,383	29.3%
Rowan County, KY	21,016	5,383	25.6%
Kentucky	4,271,511	843,164	19.7%
United States	295,309,825	46,732,618	15.8%



Data Source: US Census Bureau, Small Area Income Poverty Estimates. 2013. Source geography: County



Population Receiving SNAP Benefits, Percent by County, SAIPE 2013

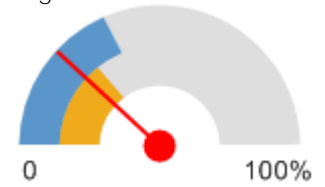


### Population with Associate's Level Degree or Higher

23.69% of the population aged 25 and older, or 8,467 have obtained an Associate's level degree or higher. This indicator is relevant because educational attainment has been linked to positive health outcomes.

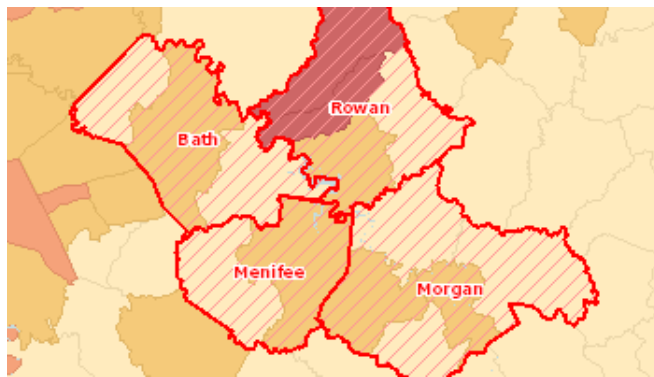
Report Area	Total Population Age 25	Population Age 25 with Associate's Degree or Higher	Percent Population Age 25 with Associate's Degree or Higher
Report Area	35,742	8,467	23.69%
Bath County, KY	7,965	1,551	19.47%
Menifee County, KY	4,371	712	16.29%
Morgan County, KY	9,802	1,745	17.8%
Rowan County, KY	13,604	4,459	32.78%
Kentucky	2,939,709	854,395	29.06%
United States	209,056,128	77,786,232	37.21%

Percent Population Age 25 with Associate's Degree or Higher



- Report Area (23.69%)
- Kentucky (29.06%)
- United States (37.21%)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population with an Associate Level Degree or Higher, Percent by Tract, ACS 2010-14

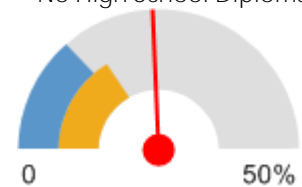
- Over 32.0%
- 26.1 - 32.0%
- 20.1 - 26.0%
- Under 20.1%
- No Data or Data Suppressed
- Report Area

## Population with No High School Diploma

Within the report area there are 8,686 persons aged 25 and older without a high school diploma (or equivalency) or higher. This represents 24.3% of the total population aged 25 and older. This indicator is relevant because educational attainment is linked to positive health outcomes ([Freudenberg Ruglis, 2007](#)).

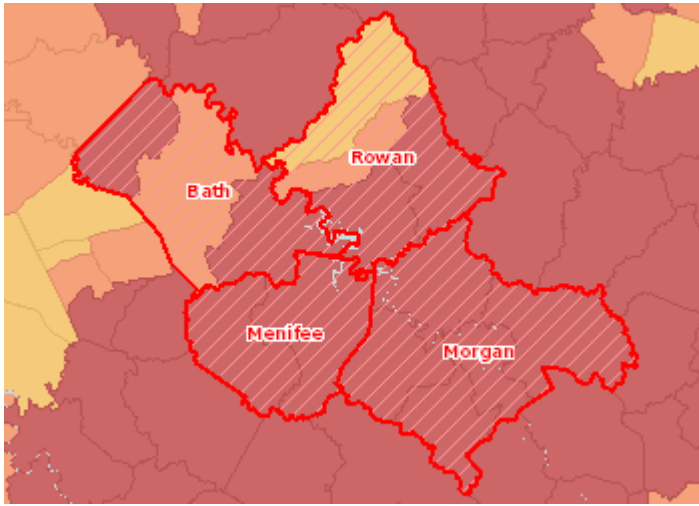
Report Area	Total Population Age 25	Population Age 25 with No High School Diploma	Percent Population Age 25 with No High School Diploma
Report Area	35,742	8,686	24.3%
Bath County, KY	7,965	1,953	24.52%
Menifee County, KY	4,371	1,250	28.6%
Morgan County, KY	9,802	2,774	28.3%
Rowan County, KY	13,604	2,709	19.91%
Kentucky	2,939,709	486,190	16.54%
United States	209,056,128	28,587,748	13.67%

Percent Population Age 25 with No High School Diploma

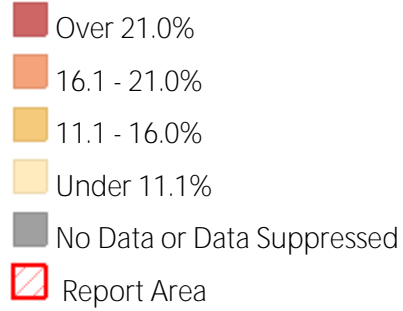


- Report Area (24.3%)
- Kentucky (16.54%)
- United States (13.67%)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



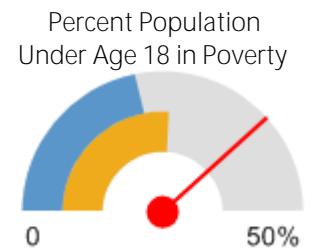
Population with No High School Diploma (Age 25 ), Percent by Tract, ACS 2010-14



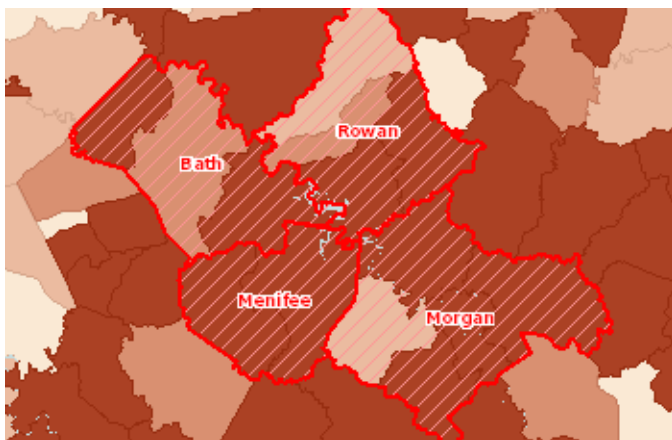
### Poverty - Children Below 100% FPL

In the report area 38.22% or 4,351 children aged 0-17 are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

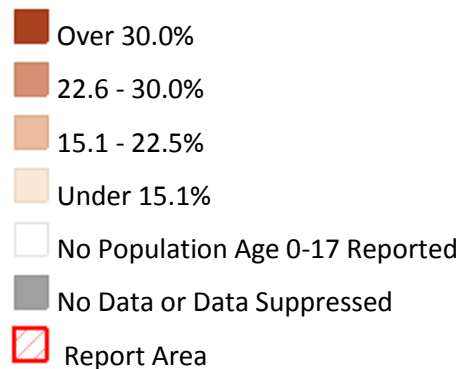
Report Area	Total Population	Population Under Age 18	Population Under Age 18 in Poverty	Percent Population Under Age 18 in Poverty
Report Area	50,258	11,384	4,351	38.22%
Bath County, KY	11,687	2,881	992	34.43%
Menifee County, KY	6,158	1,364	623	45.67%
Morgan County, KY	11,769	2,632	1,168	44.38%
Rowan County, KY	20,644	4,507	1,568	34.79%
Kentucky	4,248,233	996,692	259,146	26%
United States	306,226,400	72,637,888	15,907,395	21.9%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population Below the Poverty Level, Children (Age 0-17), Percent by Tract, ACS 2010-14

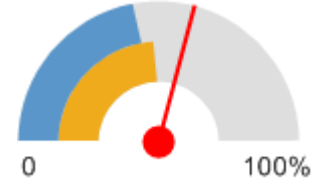


## Poverty - Children Below 200% FPL

In the report area 58.49% or 6,659 children are living in households with income below 200% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

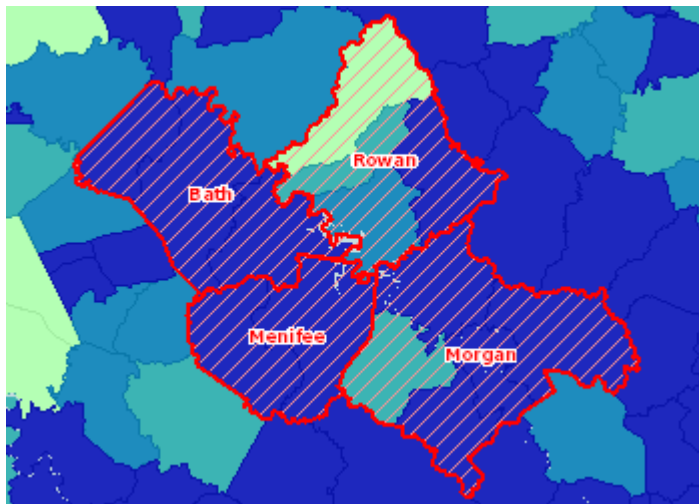
Report Area	Total Population Under Age 18	Population Under Age 18 at or Below 200% FPL	Percent Population Under Age 18 at or Below 200% FPL
Report Area	11,384	6,659	58.49%
Bath County, KY	2,881	1,899	65.91%
Menifee County, KY	1,364	947	69.43%
Morgan County, KY	2,632	1,779	67.59%
Rowan County, KY	4,507	2,034	45.13%
Kentucky	996,692	484,325	48.59%
United States	72,637,888	32,116,426	44.21%

Percent Population Under Age 18 at or Below 200% FPL



- Report Area (58.49%)
- Kentucky (48.59%)
- United States (44.21%)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population Below 200% Poverty Level, Children (Age 0-17), Percent by Tract, ACS 2010-14

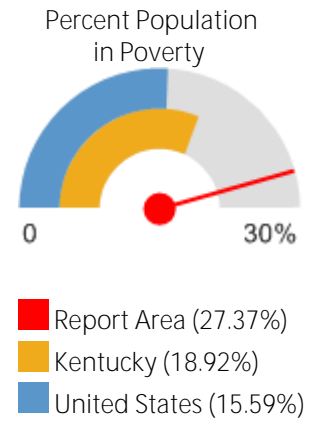
- Over 56.0%
- 47.1 - 56.0%
- 38.1 - 47.0%
- Under 38.1%
- No Population Age 0-17 Reported
- No Data or Data Suppressed
- Report Area

## Poverty - Population Below 100% FPL

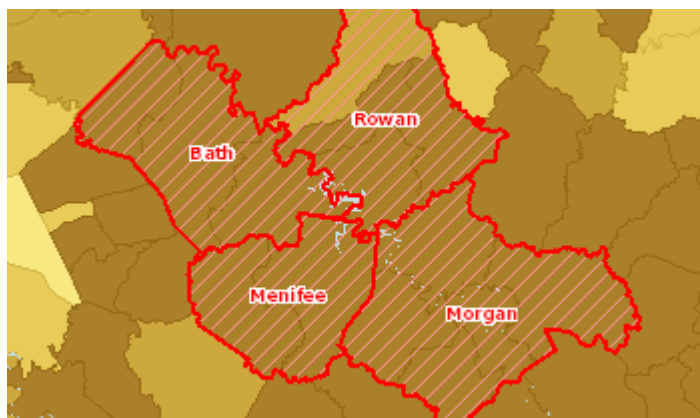
Poverty is considered a *key driver* of health status.

Within the report area 27.37% or 13,757 individuals are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Report Area	Total Population	Population in Poverty	Percent Population in Poverty
Report Area	50,258	13,757	27.37%
Bath County, KY	11,687	3,121	26.7%
Menifee County, KY	6,158	1,775	28.82%
Morgan County, KY	11,769	3,496	29.71%
Rowan County, KY	20,644	5,365	25.99%
Kentucky	4,248,233	803,866	18.92%
United States	306,226,400	47,755,608	15.59%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract

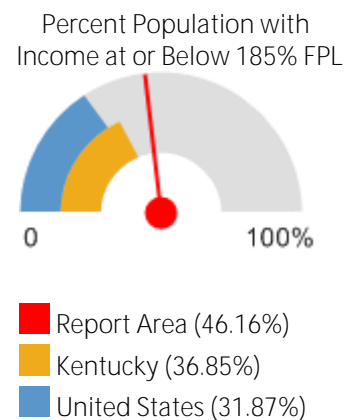


Population Below the Poverty Level, Percent by Tract, ACS 2010-14

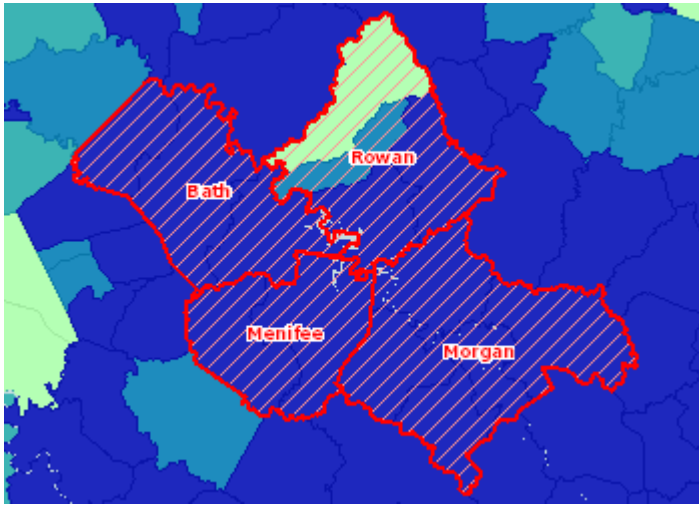
### Poverty - Population Below 185% FPL

In the report area 46.16% or 23,199 individuals are living in households with income below 185% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Report Area	Total Population	Population with Income at or Below 185% FPL	Percent Population with Income at or Below 185% FPL
Report Area	50,258	23,199	46.16%
Bath County, KY	11,687	5,939	50.82%
Menifee County, KY	6,158	3,201	51.98%
Morgan County, KY	11,769	6,111	51.92%
Rowan County, KY	20,644	7,948	38.5%
Kentucky	4,248,233	1,565,420	36.85%
United States	306,226,400	97,583,176	31.87%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population Below 185% Poverty Level, Percent by Tract, ACS 2010-14

- Over 43.0%
- 35.1 - 43.0%
- 27.1 - 35.0%
- Under 27.1%
- No Data or Data Suppressed
- Report Area

### Poverty - Population Below 200% FPL

In the report area 50.23% or 25,245 individuals are living in households with income below 200% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

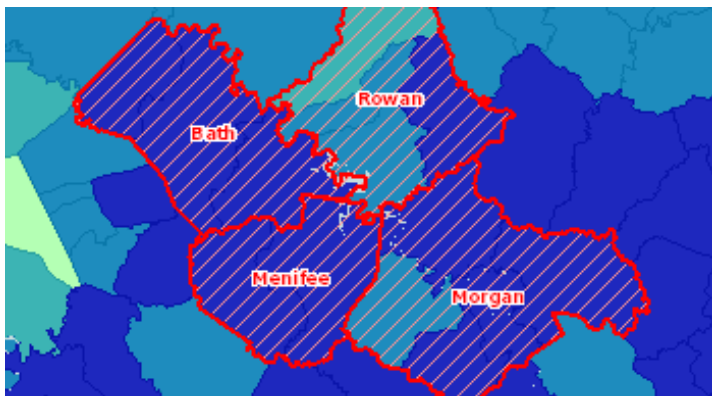
Report Area	Total Population	Population with Income at or Below 200% FPL	Percent Population with Income at or Below 200% FPL
Report Area	50,258	25,245	50.23%
Bath County, KY	11,687	6,641	56.82%
Menifee County, KY	6,158	3,449	56.01%
Morgan County, KY	11,769	6,549	55.65%
Rowan County, KY	20,644	8,606	41.69%
Kentucky	4,248,233	1,690,710	39.8%
United States	306,226,400	105,773,408	34.54%

Percent Population with Income at or Below 200% FPL



- Report Area (50.23%)
- Kentucky (39.8%)
- United States (34.54%)

Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



Population Below 200% Poverty Level, Percent by Tract, ACS 2010-14

- Over 50.0%
- 38.1 - 50.0%
- 26.1 - 38.0%
- Under 26.1%
- No Data or Data Suppressed
- Report Area

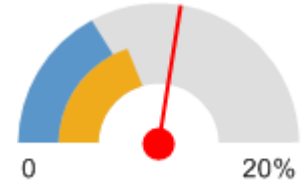


## Poverty - Population Below 50% FPL

In the report area 11.04% or 5,549 individuals are living in households with income below 50% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

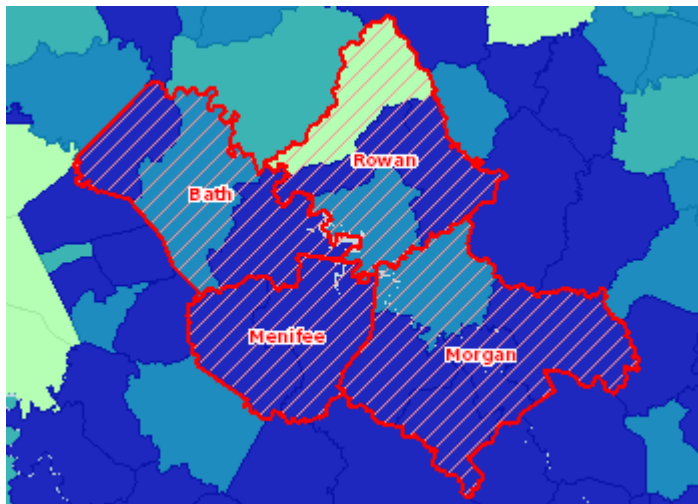
Report Area	Total Population	Population with Income at or Below 50% FPL	Percent Population with Income at or Below 50% FPL
Report Area	50,258	5,549	11.04%
Bath County, KY	11,687	1,408	12.05%
Menifee County, KY	6,158	1,081	17.55%
Morgan County, KY	11,769	1,150	9.77%
Rowan County, KY	20,644	1,910	9.25%
Kentucky	4,248,233	343,619	8.09%
United States	306,226,400	21,117,986	6.9%

Percent Population with Income at or Below 50% FPL



- Report Area (11.04%)
- Kentucky (8.09%)
- United States (6.9%)

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



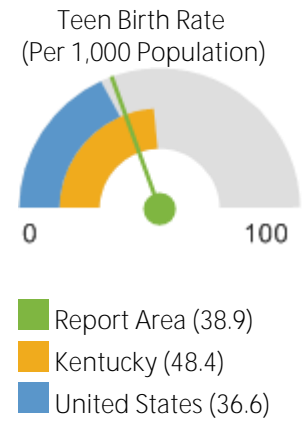
Population Below 50% Poverty Level, Percent by Tract, ACS 2010-14

- Over 9.0%
- 6.1 - 9.0%
- 3.1 - 6.0%
- Under 3.1%
- No Data or Data Suppressed
- Report Area

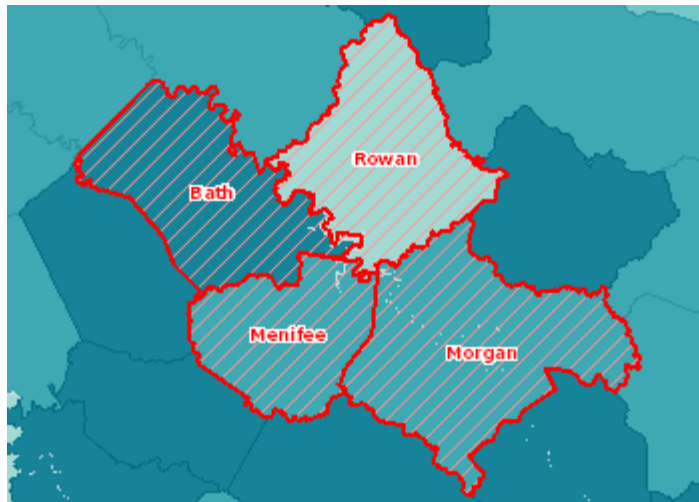
## Teen Births

This indicator reports the rate of total births to women age of 15 - 19 per 1,000 female population age 15 - 19. This indicator is relevant because in many cases, teen parents have unique social, economic, and health support services. Additionally, high rates of teen pregnancy may indicate the prevalence of unsafe sex practices.

Report Area	Female Population Age 15 - 19	Births to Mothers Age 15 - 19	Teen Birth Rate (Per 1,000 Population)
Report Area	2,288	89	38.9
Bath County, KY	350	28	78.6
Menifee County, KY	226	12	55.2
Morgan County, KY	400	19	46.5
Rowan County, KY	1,312	30	23.2
Kentucky	144,688	7,003	48.4
United States	10,736,677	392,962	36.6



Data Source: US Department of Health Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2006-12. Source geography: County



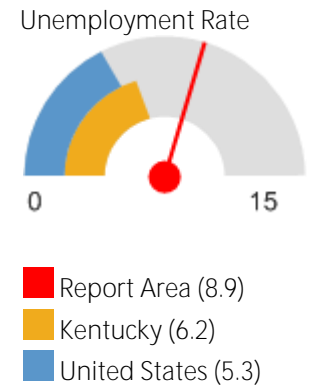
Births to Females Age 15-19, Rate (Per 1,000 Pop.) by County, NVSS 2006-12



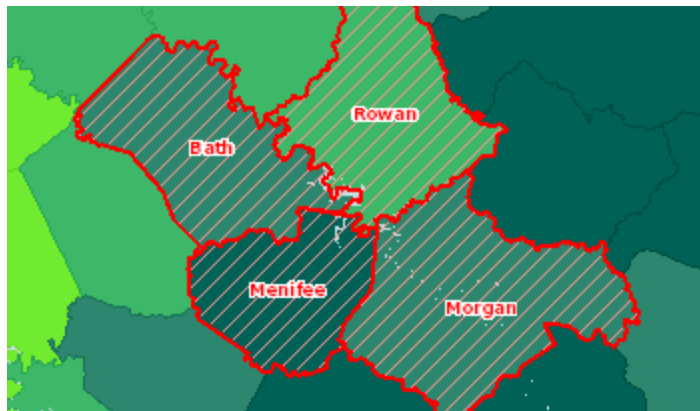
## Unemployment Rate

Total unemployment in the report area for the current month was 1,961, or 8.9% of the civilian non-institutionalized population age 16 and older (non-seasonally adjusted). This indicator is relevant because unemployment creates financial instability and barriers to access including insurance coverage, health services, healthy food, and other necessities that contribute to poor health status.

Report Area	Labor Force	Number Employed	Number Unemployed	Unemployment Rate
Report Area	22,101	20,140	1,961	8.9
Bath County, KY	4,794	4,306	488	10.2
Menifee County, KY	2,377	2,085	292	12.3
Morgan County, KY	4,631	4,151	480	10.4
Rowan County, KY	10,299	9,598	701	6.8
Kentucky	1,940,351	1,820,564	119,787	6.2
United States	158,485,131	150,048,483	8,436,648	5.3



Data Source: US Department of Labor, Bureau of Labor Statistics. 2016 - January. Source geography: County

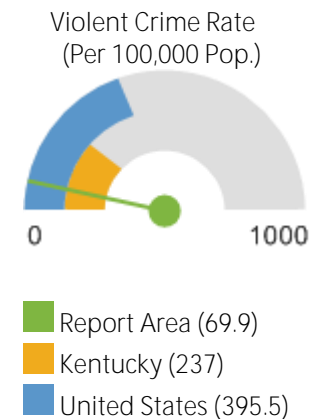


Unemployment, Rate by County, BLS 2016 - January

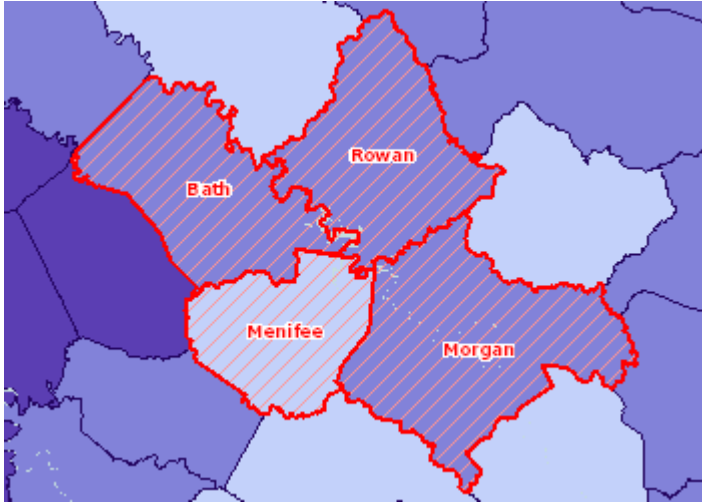
## Violent Crime

This indicator reports the rate of violent crime offenses reported by law enforcement per 100,000 residents. Violent crime includes homicide, rape, robbery, and aggravated assault. This indicator is relevant because it assesses community safety.

Report Area	Total Population	Violent Crimes	Violent Crime Rate (Per 100,000 Pop.)
Report Area	34,808	24	69.9
Bath County, KY	1,542	1	86.5
Menifee County, KY	6,330	1	15.8
Morgan County, KY	3,446	3	96.7
Rowan County, KY	23,490	19	79.5
Kentucky	4,271,398	10,127	237
United States	306,859,354	1,213,859	395.5



Data Source: Federal Bureau of Investigation, FBI Uniform Crime Reports. Additional analysis by the National Archive of Criminal Justice Data. Accessed via the Inter-university Consortium for Political and Social Research. 2010-12. Source geography: County



Violent Crimes, All, Rate (Per 100,000 Pop.) by County, FBI UCR 2010-12

- Over 300.0
- 150.1 - 300.0
- 50.1 - 150.0
- Under 50.1
- No Violent Crime
- No Data or Data Suppressed
- Report Area



## Physical Environment

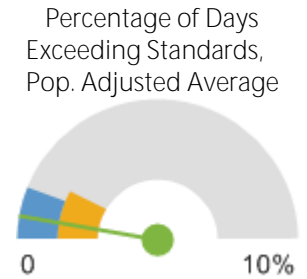
A **community's** health also is affected by the physical environment. A safe, clean environment that provides access to healthy food and recreational opportunities is important to maintaining and improving community health.

Physical Environment Indicators		
Air Quality - Ozone	Food Access - Low Income Low Food Access	Housing - Mortgage Lending
Air Quality - Particulate Matter 2.5	Food Access - Modified Retail Food Environment Index	Housing - Overcrowded Housing
Climate Health - Drought Severity	Food Access - SNAP-Authorized Food Stores	Housing - Substandard Housing
Climate Health - High Heat Index Days	Food Access - WIC-Authorized Food Stores	Housing - Vacancy Rate
Food Access - Fast Food Restaurants	Housing - Assisted Housing	Liquor Store Access
Food Access - Grocery Stores	Housing - Housing Unit Age	Recreation and Fitness Facility Access
Food Access - Low Food Access	Housing - LIHTC	Use of Public Transportation

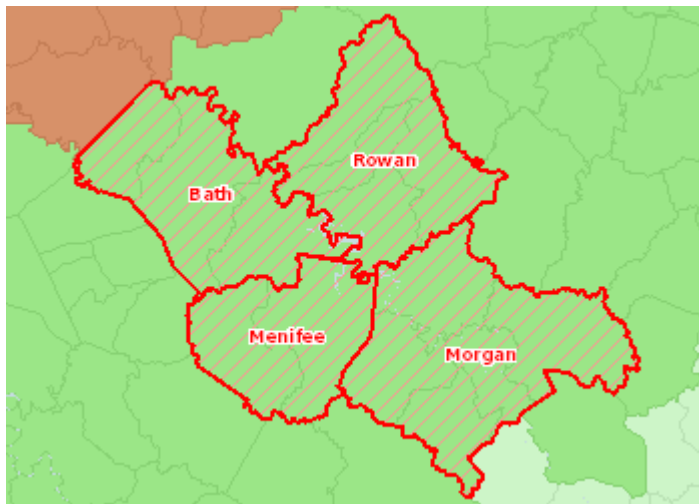
## Air Quality - Ozone

Within the report area, 2.07, or 0.56% of days exceeded the emission standard of 75 parts per billion (ppb). This indicator reports the percentage of days per year with Ozone (O3) levels above the National Ambient Air Quality Standard of 75 parts per billion (ppb). Figures are calculated using data collected by monitoring stations and modeled to include census tracts where no monitoring stations exist. This indicator is relevant because poor air quality contributes to respiratory issues and overall poor health.

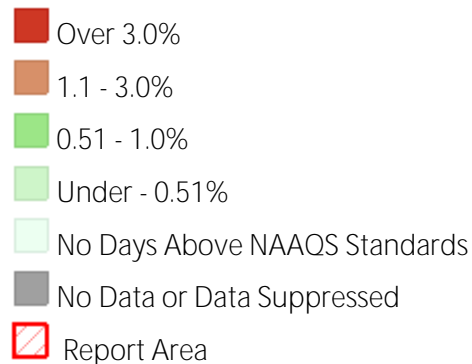
Report Area	Total Population	Average Daily Ambient Ozone Concentration	Number of Days Exceeding Emissions Standards	Percentage of Days Exceeding Standards, Crude Average	Percentage of Days Exceeding Standards, Pop. Adjusted Average
Report Area	55,153	41.65	2.07	0.57%	0.56%
Bath County, KY	11,591	41.96	2.33	0.64%	0.59%
Menifee County, KY	6,306	41.61	2	0.55%	0.55%
Morgan County, KY	13,923	41.38	2	0.55%	0.55%
Rowan County, KY	23,333	41.77	2	0.55%	0.55%
Kentucky	4,339,367	42.15	6.00	1.64%	1.65%
United States	312,471,327	38.95	4.46	1.22%	1.24%



Data Source: Centers for Disease Control and Prevention, National Environmental Public Health Tracking Network. 2012. Source geography: Tract



Ozone Levels (O3), Percentage of Days Above NAAQ Standards by Tract, NEPHTN 2012



## Air Quality - Particulate Matter 2.5

This indicator reports the percentage of days with particulate matter 2.5 levels above the National Ambient Air Quality Standard (35 micrograms per cubic meter) per year, calculated using data collected by monitoring stations and modeled to include counties where no monitoring stations occur. This indicator is relevant because poor air quality contributes to respiratory issues and overall poor health.

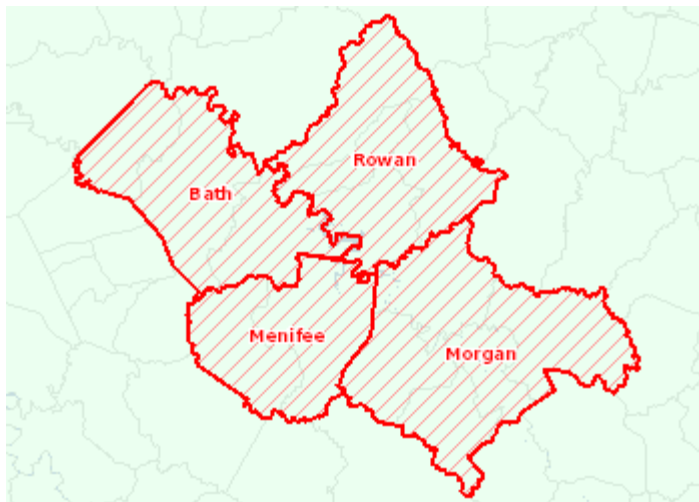
Report Area	Total Population	Average Daily Ambient Particulate Matter 2.5	Number of Days Exceeding Emissions Standards	Percentage of Days Exceeding Standards, Crude Average	Percentage of Days Exceeding Standards, Pop. Adjusted Average
Report Area	55,153	9.22	0	0	0%
Bath County, KY	11,591	9.41	0	0	0%
Menifee County, KY	6,306	9.15	0	0	0%
Morgan County, KY	13,923	9.11	0	0	0%
Rowan County, KY	23,333	9.24	0	0	0%
Kentucky	4,339,367	10.11	0	0	0%
United States	312,471,327	9.10	0.35	0.10	0.10%

Percentage of Days Exceeding Standards, Pop. Adjusted Average



- Report Area (0%)
- Kentucky (0%)
- United States (0.10%)

Data Source: Centers for Disease Control and Prevention, National Environmental Public Health Tracking Network. 2012. Source geography: Tract



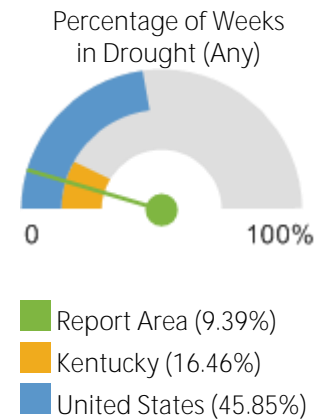
Fine Particulate Matter Levels (PM 2.5), Percentage of Days Above NAAQ Standards by Tract, NEPHTN 2012

- Over 5.0%
- 1.1 - 5.0%
- 0.51 - 1.0%
- Under 0.51%
- No Days Above NAAQS Standards
- No Data or Data Suppressed
- Report Area

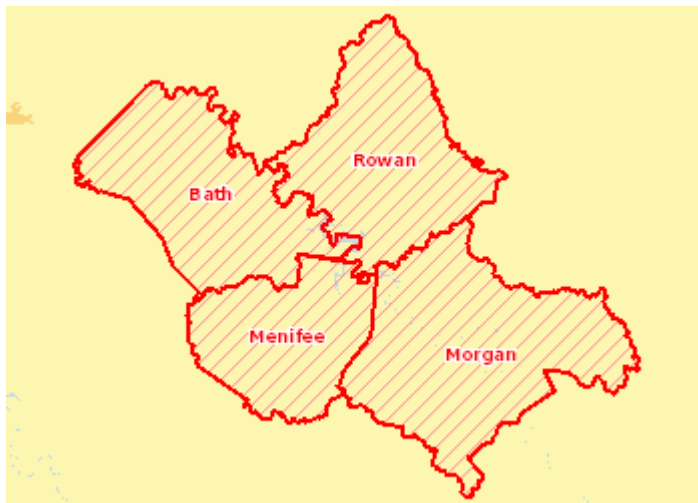
## Climate Health - Drought Severity

This indicator reports the population-weighted percentage of weeks in drought between January 1, 2012 and December 31, 2014.

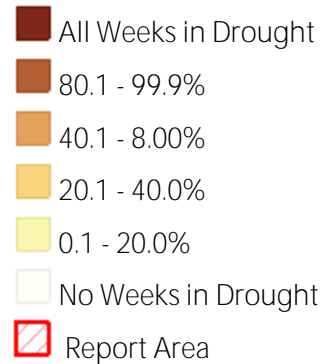
Report Area	Percentage of Weeks in D0 (Abnormally Dry)	Percentage of Weeks in D1 (Moderate Drought)	Percentage of Weeks in D2 (Severe Drought)	Percentage of Weeks in D3 (Extreme Drought)	Percentage of Weeks in D4 (Exceptional Drought)	Percentage of Weeks in Drought (Any)
Report Area	7.34%	2.05%	0%	0%	0%	9.39%
Bath County, KY	11.69%	2.65%	0%	0%	0%	14.34%
Menifee County, KY	8.67%	3.18%	0%	0%	0%	11.86%
Morgan County, KY	4.77%	2.38%	0%	0%	0%	7.14%
Rowan County, KY	6.35%	1.25%	0%	0%	0%	7.6%
Kentucky	10.1%	3.94%	1.46%	0.64%	0.32%	16.46%
United States	16.96%	12.59%	8.84%	4.92%	2.54%	45.85%



Data Source: US Drought Monitor. 2012-14. Source geography: County



Drought - Weeks in Drought (Any), Percent by Tract, US Drought Monitor 2012-14

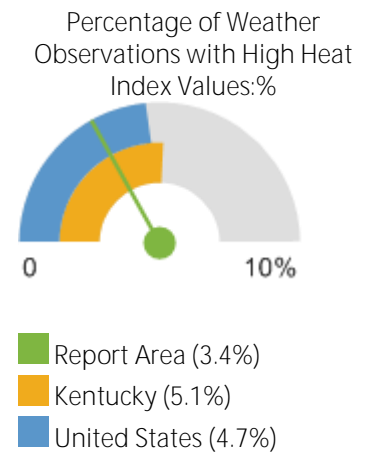


## Climate Health - High Heat Index Days

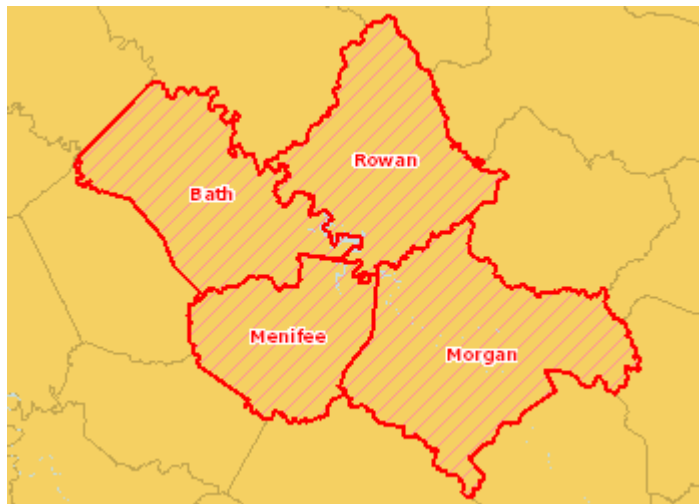
This indicator reports the percentage of recorded weather observations with heat index values over 103 degrees Fahrenheit. The "heat index" is a single value that takes both temperature and humidity into account. The higher the heat index, the hotter the weather feels, since sweat does not readily evaporate and cool the skin. The heat index is a better measure than air temperature alone for estimating the risk to workers from environmental heat sources.



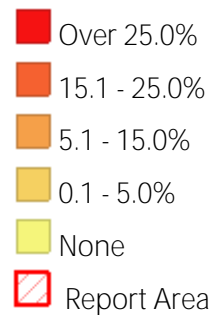
Report Area	Total Weather Observations	Average Heat Index Value	Observations with High Heat Index Values	Observations with High Heat Index Values, Percentage
Report Area	6,935	92.95	237	3.4%
Bath County, KY	2,190	93.39	90	4.11%
Menifee County, KY	730	92.32	20	2.74%
Morgan County, KY	2,190	92.82	72	3.29%
Rowan County, KY	1,825	93.25	55	3.01%
Kentucky	248,565	94.17	12,623	5.1%
United States	19,094,610	91.82	897,155	4.7%



Data Source: National Oceanic and Atmospheric Administration, North America Land Data Assimilation System (NLDAS) . Accessed via CDC WONDER. Additional data analysis by CARES. 2014. Source geography: County



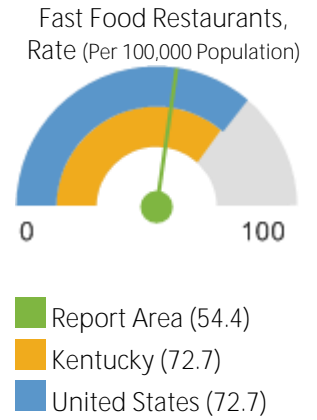
High Heat Index Days, Percentage of Observations Over 103°F by County, NLDAS 2014



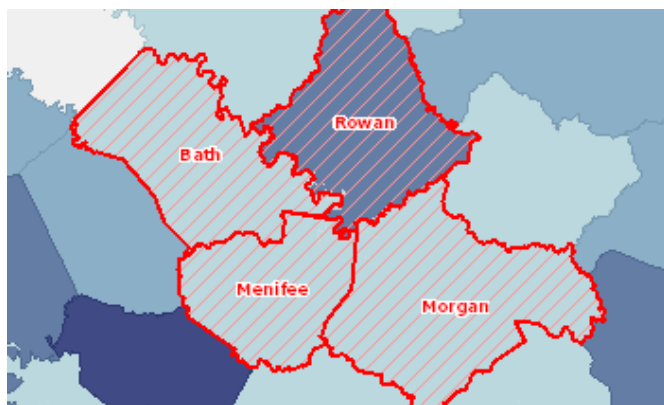
## Food Access - Fast Food Restaurants

This indicator reports the number of fast food restaurants per 100,000 population. Fast food restaurants are defined as limited-service establishments primarily engaged in providing food services (except snack and nonalcoholic beverage bars) where patrons generally order or select items and pay before eating. This indicator is relevant because it provides a measure of healthy food access and environmental influences on dietary behaviors.

Report Area	Total Population	Number of Establishments	Establishments, Rate per 100,000 Population
Report Area	55,153	30	54.4
Bath County, KY	11,591	5	43.14
Menifee County, KY	6,306	2	31.72
Morgan County, KY	13,923	4	28.73
Rowan County, KY	23,333	19	81.43
Kentucky	4,339,367	3,155	72.7
United States	312,732,537	227,486	72.7



Data Source: US Census Bureau, County Business Patterns. Additional data analysis by CARES. 2013. Source geography: County



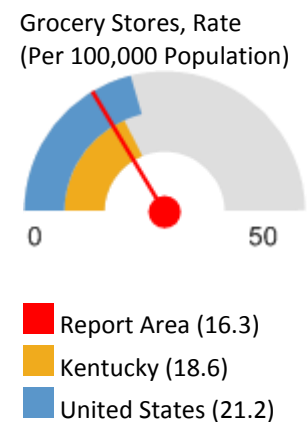
Fast Food Restaurants, Rate (Per 100,000 Pop.) by County, CBP 2013



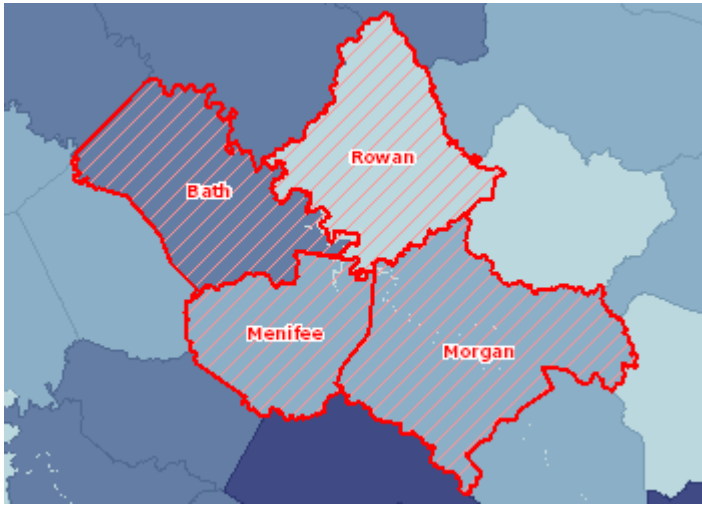
## Food Access - Grocery Stores

This indicator reports the number of grocery stores per 100,000 population. Grocery stores are defined as supermarkets and smaller grocery stores primarily engaged in retailing a general line of food, such as canned and frozen foods; fresh fruits and vegetables; and fresh and prepared meats, fish, and poultry. Included are delicatessen-type establishments. Convenience stores and large general merchandise stores that also retail food, such as supercenters and warehouse club stores are excluded. This indicator is relevant because it provides a measure of healthy food access and environmental influences on dietary behaviors.

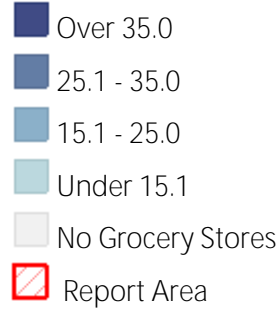
Report Area	Total Population	Number of Establishments	Establishments, Rate per 100,000 Population
Report Area	55,153	9	16.3
Bath County, KY	11,591	3	25.88
Menifee County, KY	6,306	1	15.86
Morgan County, KY	13,923	3	21.55
Rowan County, KY	23,333	2	8.57
Kentucky	4,339,367	806	18.6
United States	312,732,537	66,286	21.2



Data Source: US Census Bureau, County Business Patterns. Additional data analysis by CARES. 2013. Source geography: County



Grocery Stores and Supermarkets, Rate (Per 100,000 Pop.) by County, CBP 2013

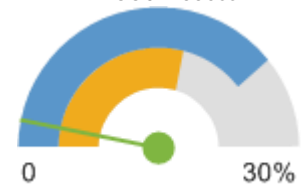


### Food Access - Low Food Access

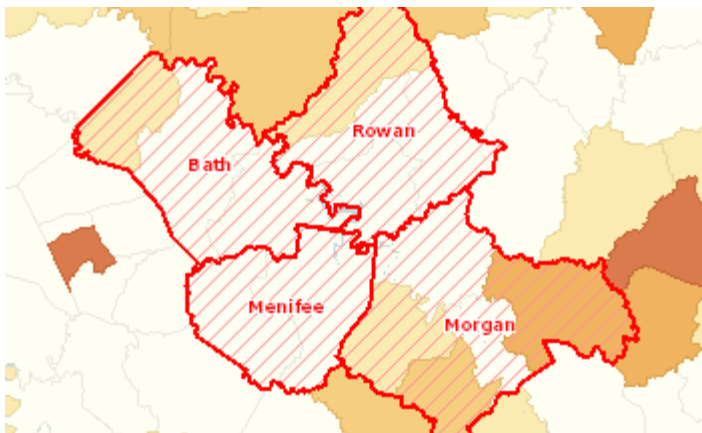
This indicator reports the percentage of the population living in census tracts designated as food deserts. A food desert is defined as a low-income census tract (where a substantial number or share of residents has low access to a supermarket or large grocery store. This indicator is relevant because it highlights populations and geographies facing food insecurity.

Report Area	Total Population	Population with Low Food Access	Percent Population with Low Food Access
Report Area	55,153	1,025	1.86%
Bath County, KY	11,591	16	0.14%
Menifee County, KY	6,306	0	0%
Morgan County, KY	13,923	848	6.09%
Rowan County, KY	23,333	161	0.69%
Kentucky	4,339,367	759,659	17.51%
United States	308,745,538	72,905,540	23.61%

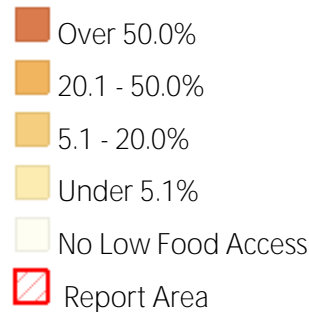
Percent Population with Low Food Access



Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas. 2010. Source geography: Tract



Population with Limited Food Access, Percent by Tract, FARA 2010



## Food Access - Low Income Low Food Access

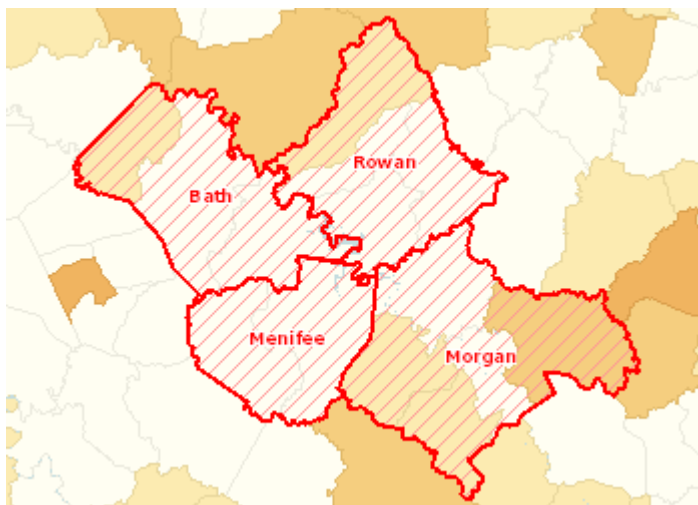
Report Area	Total Population	Low Income Population with Low Food Access	Percent Low Income Population with Low Food Access
Report Area	55,153	479	0.87%
Bath County, KY	11,591	8	0.07%
Menifee County, KY	6,306	0	0%
Morgan County, KY	13,923	394	2.83%
Rowan County, KY	23,333	77	0.33%
Kentucky	4,339,367	221,949	5.11%
United States	308,745,538	19,347,047	6.27%

Percent Low Income Population with Low Food Access

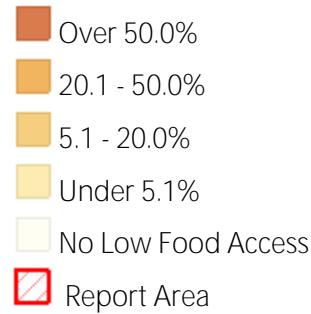


■ Report Area (0.87%)  
■ Kentucky (5.11%)  
■ United States (6.27%)

Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas. 2010. Source geography: Tract



Population with Limited Food Access, Low Income, Percent by Tract, FARA 2010

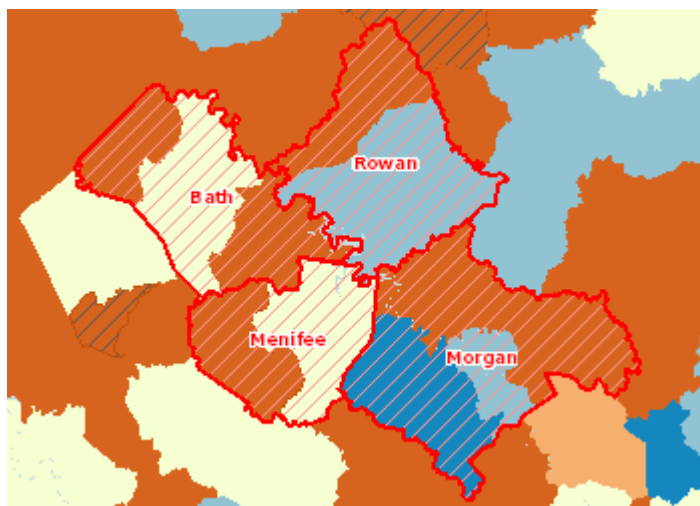


## Food Access - Modified Retail Food Environment Index

This indicator reports the percentage of population living in census tracts with no or low access to healthy retail food stores. Figures are based on the CDC Modified Retail Food Environment Index. For this indicator, low food access tracts are considered those with index scores of 10.0 or less.

Report Area	Total Population	Percent Population in Tracts with No Food Outlet	Percent Population in Tracts with No Healthy Food Outlet	Percent Population in Tracts with Low Healthy Food Access	Percent Population in Tracts with Moderate Healthy Food Access	Percent Population in Tracts with High Healthy Food Access
Report Area	55,153	4.62%	27.81%	11.23%	48.34%	8%
Bath County, KY	11,591	0%	46.58%	53.42%	0%	0%
Menifee County, KY	6,306	40.41%	0%	0%	59.59%	0%
Morgan County, KY	13,923	0%	32.65%	0%	35.67%	31.68%
Rowan County, KY	23,333	0%	23.12%	0%	76.88%	0%
Kentucky	4,339,366	1.04%	23.64%	23.26%	47.02%	5.04%
United States	312,474,470	0.99%	18.63%	30.89%	43.28%	5.02%

Data Source: Centers for Disease Control and Prevention, Division of Nutrition, Physical Activity, and Obesity. 2011. Source geography: Tract



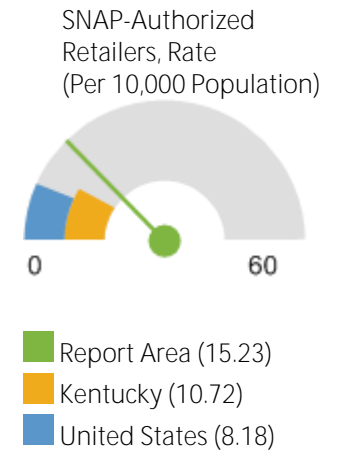
Modified Retail Food Environmental Index Score by Tract, DNPAO 2011

- Index Score Over 30 (High Access)
- Index Score 15 - 30 (Moderate Access)
- Index Score 5 - 15 (Low Access)
- Index Score Under 5 (Poor Access)
- No Healthy Retail Food Outlet (No Access)
- No Retail Food Outlets Present (Food Desert)
- Report Area

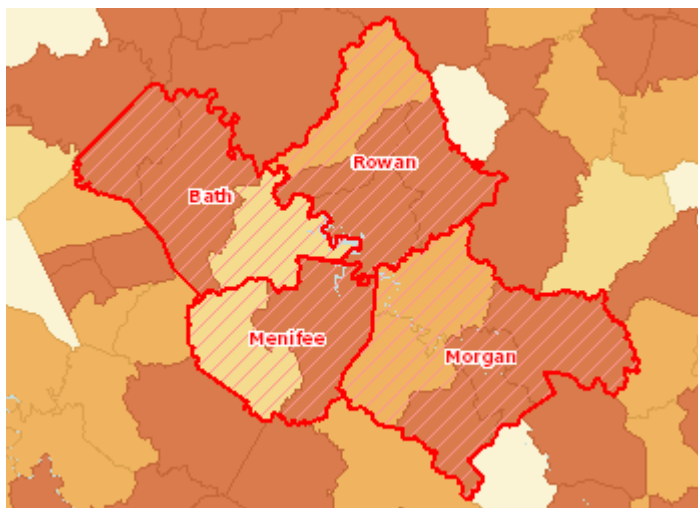
### Food Access - SNAP-Authorized Food Stores

This indicator reports the number of SNAP-authorized food stores as a rate per 100,000 population. SNAP-authorized stores include grocery stores as well as supercenters, specialty food stores, and convenience stores that are authorized to accept SNAP (Supplemental Nutrition Assistance Program) benefits.

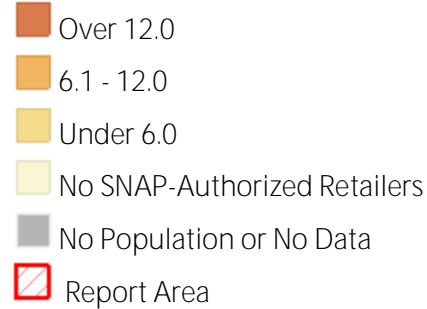
Report Area	Total Population	Total SNAP-Authorized Retailers	SNAP-Authorized Retailers, Rate per 10,000 Population
Report Area	55,153	84	15.23
Bath County, KY	11,591	16	13.8
Menifee County, KY	6,306	11	17.44
Morgan County, KY	13,923	26	18.67
Rowan County, KY	23,333	31	13.29
Kentucky	4,339,367	4,652	10.72
United States	312,411,142	255,574	8.18



Data Source: US Department of Agriculture, Food and Nutrition Service, USDA - SNAP Retailer Locator. Additional data analysis by CARES. 2015. Source geography: Tract



SNAP-Authorized Retailers, Rate per 10,000 Population by Tract, USDA 2015



## Food Access - WIC-Authorized Food Stores

This indicator reports the number of food stores and other retail establishments per 100,000 population that are authorized to accept WIC Program (Special Supplemental Nutrition Program for Women, Infants, and Children) benefits and that carry designated WIC foods and food categories. This indicator is relevant because it provides a measure of food security and healthy food access for women and children in poverty as well as environmental influences on dietary behaviors.

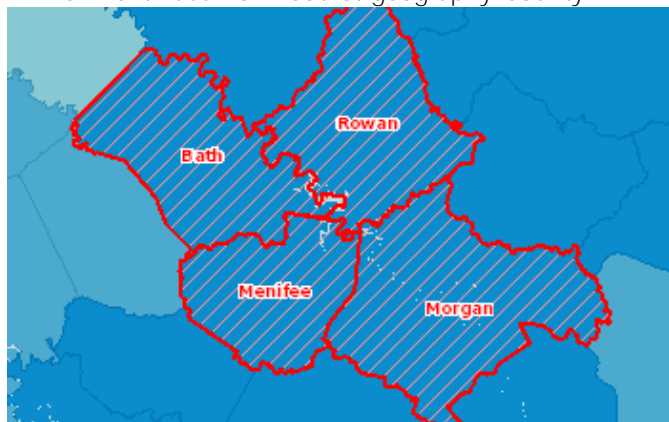
Report Area	Total Population (2011 Estimate)	Number WIC-Authorized Food Stores	WIC-Authorized Food Store Rate (Per 100,000 Pop.)
Report Area	55,584	31	55.7
Bath County, KY	11,742	4	34.1
Menifee County, KY	6,317	6	95
Morgan County, KY	13,943	9	64.5
Rowan County, KY	23,582	12	50.9
Kentucky	4,388,103	1,082	24.6
United States	318,921,538	50,042	15.6

WIC-Authorized Food Stores, Rate (Per 100,000 Population)



■ Report Area (55.7)  
■ Kentucky (24.6)  
■ United States (15.6)

Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Environment Atlas. 2011. Source geography: County



WIC-Authorized Stores, Rate (Per 100,000 Pop.) by County, FEA 2011

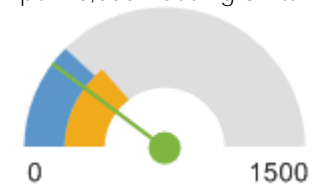
■ Over 30.0  
■ 15.1 - 30.0  
■ Under 15.1  
■ No WIC-Authorized Retailers  
■ No Data or Data Suppressed  
 Report Area

## Housing - Assisted Housing

This indicator reports the total number of HUD-funded assisted housing units available to eligible renters as well as the unit rate (per 10,000 total households).

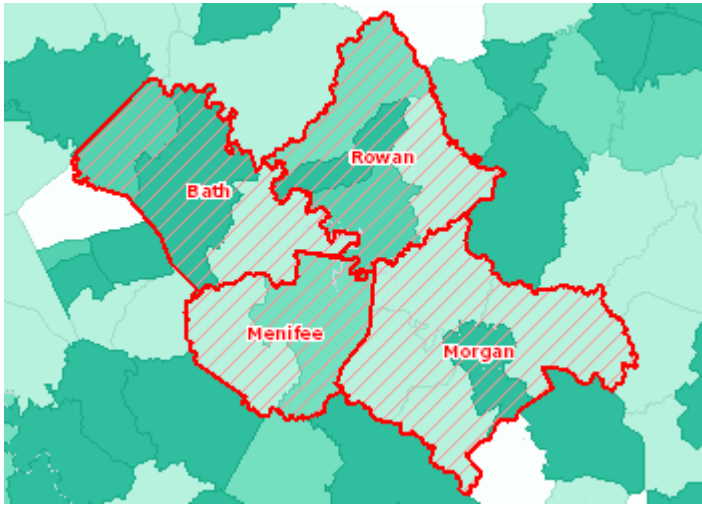
Report Area	Total Housing Units (2010)	Total HUD-Assisted Housing Units	HUD-Assisted Units, Rate per 10,000 Housing Units
Report Area	25,081	772	307.8
Bath County, KY	5,405	186	344.13
Menifee County, KY	3,744	35	93.48
Morgan County, KY	5,830	77	132.08
Rowan County, KY	10,102	474	469.21
Kentucky	1,927,164	83,819	434.93
United States	133,341,676	5,038,578	377.87

HUD-Assisted Units, Rate per 10,000 Housing Units



■ Report Area (307.8)  
■ Kentucky (434.93)  
■ United States (377.87)

Data Source: US Department of Housing and Urban Development. 2015. Source geography: County



Assisted Housing Units, All by Tract, HUD 2015

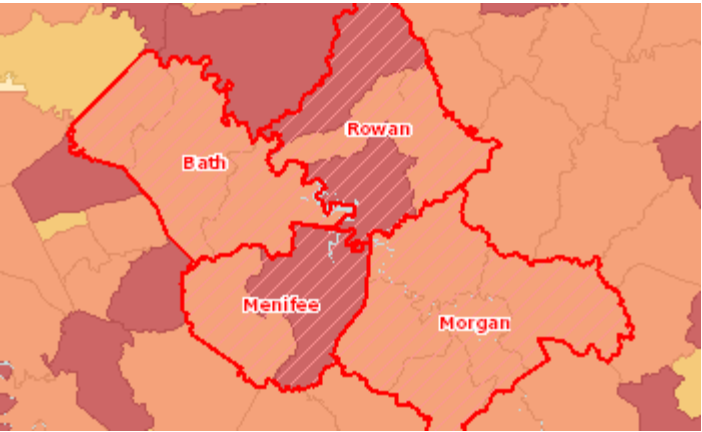
- Over 60
- 31 - 60
- 11 - 30
- 1 - 10
- No Units
- Report Area

### Housing - Housing Unit Age

This indicator reports, for a given geographic area, the median year in which all housing units (vacant and occupied) were first constructed. The year the structure was built provides information on the age of housing units. These data help identify new housing construction and measures the disappearance of old housing from the inventory, when used in combination with data from previous years. This data also serves to aid in the development of formulas to determine substandard housing and provide assistance in forecasting future services, such as energy consumption and fire protection.

Report Area	Total Housing Units	Median Year Structures Built
Report Area	25,241	
Bath County, KY	5,405	1980
Menifee County, KY	3,890	1989
Morgan County, KY	5,834	1982
Rowan County, KY	10,112	1985
Kentucky	1,938,836	1978
United States	132,741,032	1976

Data Source: US Census Bureau, American Community Survey, 2010-14, State geography: Tract



Median Year Structure Built by Tract, ACS 2010-14

- Newer than 1985
- 1976 - 1985
- 1966 - 1975
- Older than 1966
- No Data or Data Suppressed
- Report Area

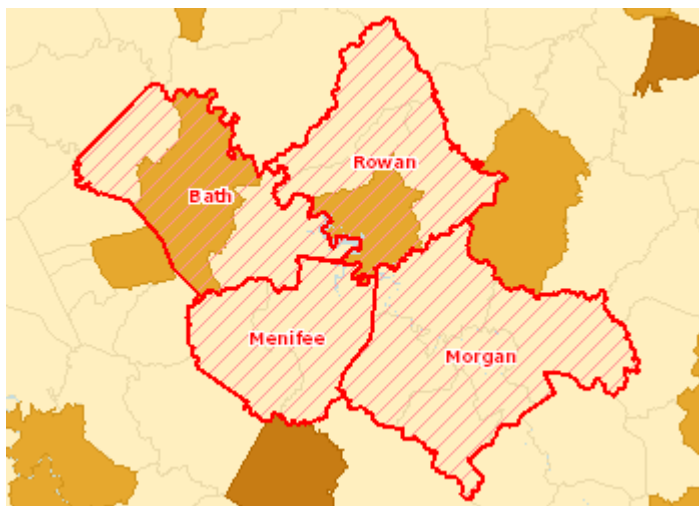


## Housing - LIHTC

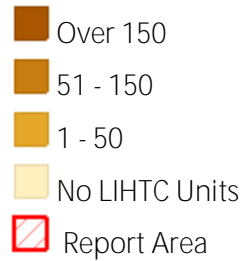
The Low Income Housing Tax Credit (LIHTC) program gives State and local LIHTC-allocating agencies the equivalent of nearly \$8 billion in annual budget authority to issue tax credits for the acquisition, rehabilitation, or new construction of rental housing targeted to lower-income households. This indicator reports the total number of housing units benefiting from Low Income Housing Tax Credits.

Report Area	LIHTC Properties	LIHTC Units
Report Area	2	46
Bath County, KY	1	22
Menifee County, KY	0	0
Morgan County, KY	0	0
Rowan County, KY	1	24
Kentucky	295	7,683
United States	35,399	2,358,947

Data Source: US Department of Housing and Urban Development. 2013. Source geography: County



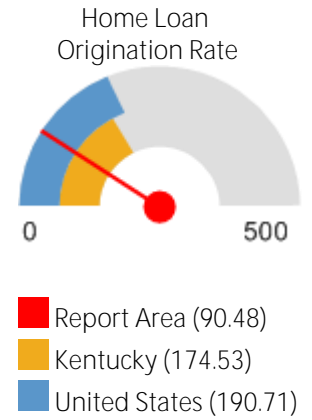
Low Income Housing Tax Credit (LIHTC) Units, Total by Tract, HUD 2013



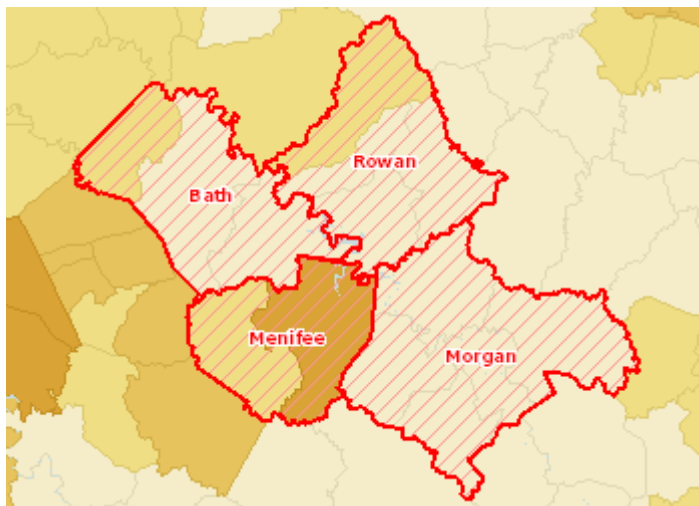
## Housing - Mortgage Lending

Lending institutions must report all loans for home purchases, home improvements, and mortgage refinancing based on the Home Mortgage Disclosure Act (HMDA) of 1975. This indicator displays information derived from the 2014 HMDA loan-level data files.

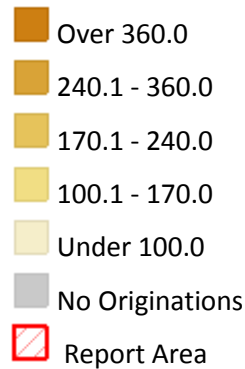
Report Area	Total Population (2010)	Number of Home Loans Originated	Loans Originations, Approval Rate	Loan Originations, Rate per 100,000 Population
Report Area	55,153	499	44.08%	90.48
Bath County, KY	11,591	110	41.83%	94.9
Menifee County, KY	6,306	137	53.1%	217.25
Morgan County, KY	13,923	30	27.03%	21.55
Rowan County, KY	23,333	222	44.4%	95.14
Kentucky	4,339,367	75,733	51.68%	174.53
United States	312,470,869	5,959,108	51.57%	190.71



Data Source: Federal Financial Institutions Examination Council, Home Mortgage Disclosure Act.  
Additional data analysis by CARES. 2014.



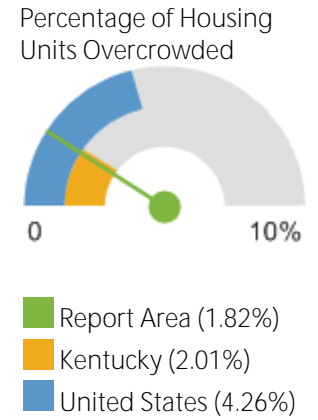
**All Home Loan Originations, Rate per 10,000 Population by Tract, HMDA 2014**



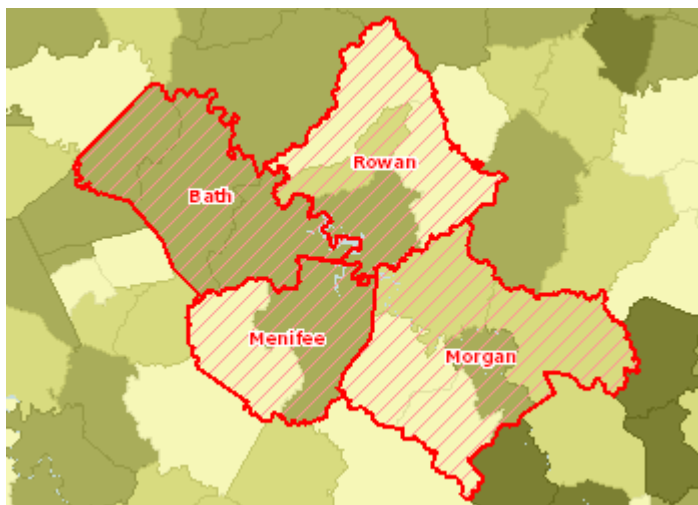
## Housing - Overcrowded Housing

This indicator reports data on overcrowded housing from the latest 5-year American Community Survey. The Census Bureau has no official definition of crowded units, but this report considers units with more than one occupant per room to be crowded.

Report Area	Total Occupied Housing Units	Overcrowded Housing Units	Percentage of Housing Units Overcrowded
Report Area	19,398	354	1.82%
Bath County, KY	4,217	126	2.99%
Menifee County, KY	2,355	37	1.57%
Morgan County, KY	4,694	71	1.51%
Rowan County, KY	8,132	120	1.48%
Kentucky	1,522,515	30,631	2.01%
United States	90,364,208	3,852,710	4.26%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



## Housing - Substandard Housing

This indicator reports the number and percentage of owner- and renter-occupied housing units having at least one of the following conditions: 1) lacking complete plumbing facilities, 2) lacking complete kitchen facilities, 3) with 1.01 or more occupants per room, 4) selected monthly owner costs as a percentage of household income greater than 30 percent, and 5) gross rent as a percentage of household income greater than 30 percent. Selected conditions provide information in assessing the quality of the housing inventory and its occupants. This data is used to easily identify homes where the quality of living and housing can be considered substandard.

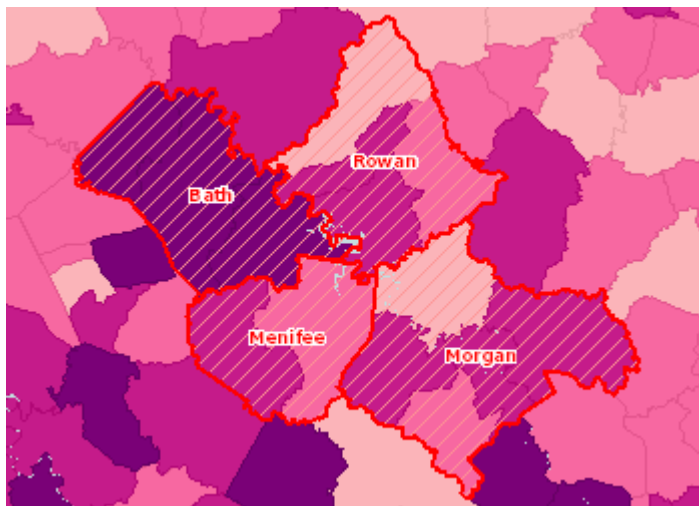
Report Area	Total Occupied Housing Units	Occupied Housing Units with One or More Substandard Conditions	Percent Occupied Housing Units with One or More Substandard Conditions
Report Area	20,013	5,893	29.45%
Bath County, KY	4,361	1,665	38.18%
Menifee County, KY	2,404	629	26.16%
Morgan County, KY	4,841	1,344	27.76%
Rowan County, KY	8,407	2,255	26.82%
Kentucky	1,702,235	482,424	28.34%
United States	116,211,088	41,333,888	35.57%

Percent Occupied Housing Units with One or More Substandard Conditions



- Report Area (29.45%)
- Kentucky (28.34%)
- United States (35.57%)

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



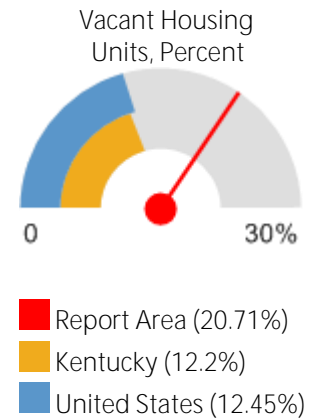
Substandard Housing Units, Percent of Total by Tract, ACS 2010-14

- Over 34.0%
- 28.1 - 34.0%
- 22.1 - 28.0%
- Under 22.1%
- No Data or Data Suppressed
- Report Area

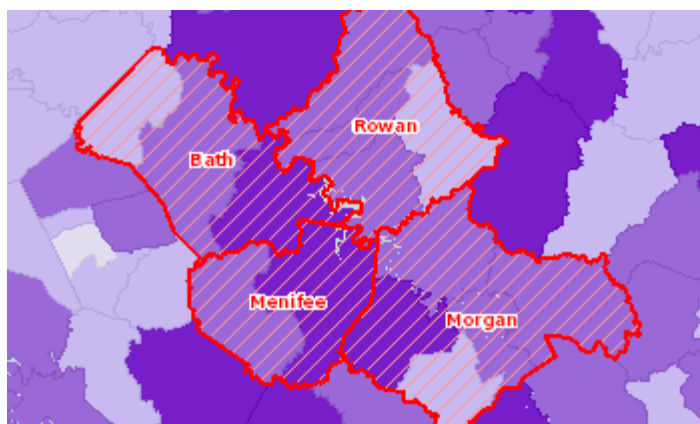
## Housing - Vacancy Rate

This indicator reports the number and percentage of housing units that are vacant. A housing unit is considered vacant by the American Community Survey if no one is living in it at the time of interview. Units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are considered to be temporarily occupied, and are classified as "vacant."

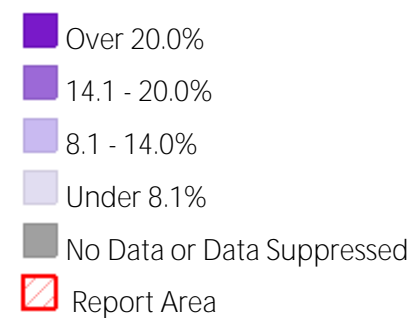
Report Area	Total Housing Units	Vacant Housing Units	Vacant Housing Units, Percent
Report Area	25,241	5,228	20.71%
Bath County, KY	5,405	1,044	19.32%
Menifee County, KY	3,890	1,486	38.2%
Morgan County, KY	5,834	993	17.02%
Rowan County, KY	10,112	1,705	16.86%
Kentucky	1,938,836	236,601	12.2%
United States	132,741,032	16,529,941	12.45%



Data Source: US Census Bureau, American Community Survey. 2010-14. Source geography: Tract



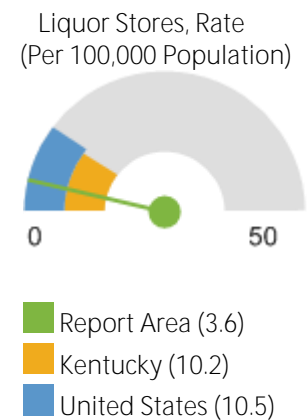
Vacant Housing Units, Percent by Tract, ACS 2010-14



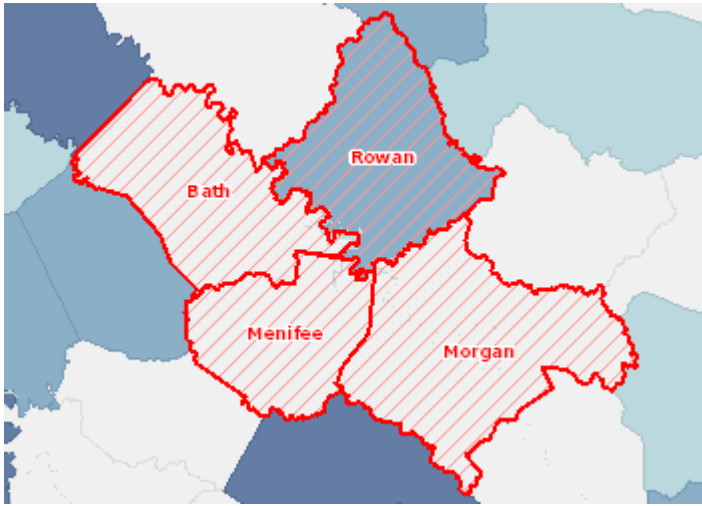
## Liquor Store Access

This indicator reports the number of beer, wine, and liquor stores per 100,000 population, as defined by North American Industry Classification System (NAICS) Code 445310. This indicator is relevant because it provides a measure of healthy food access and environmental influences on dietary behaviors.

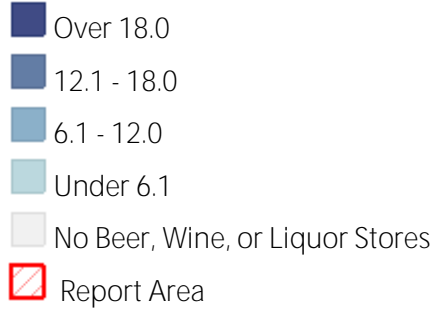
Report Area	Total Population	Number of Establishments	Establishments, Rate per 100,000 Population
Report Area	55,153	2	3.6
Bath County, KY	11,591	0	0
Menifee County, KY	6,306	0	0
Morgan County, KY	13,923	0	0
Rowan County, KY	23,333	2	8.57
Kentucky	4,339,367	442	10.2
United States	312,732,537	32,759	10.5



Data Source: US Census Bureau, County Business Patterns. Additional data analysis by CARES. 2013. Source geography: County



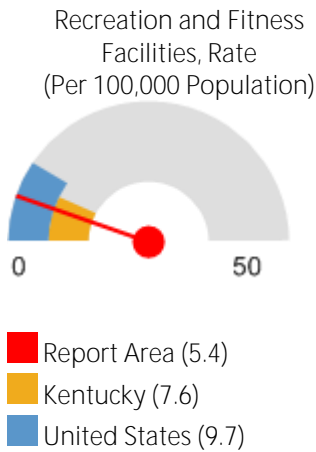
Beer, Wine and Liquor Stores, Rate (Per 100,000 Pop.) by County, CBP 2013



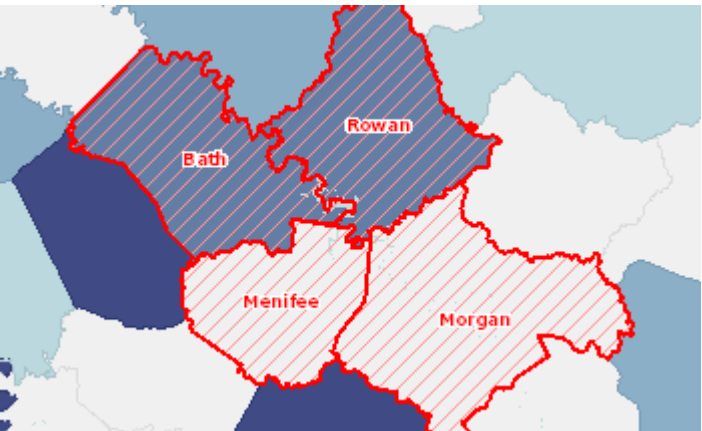
Recreation and Fitness Facility Access

This indicator reports the number per 100,000 population of recreation and fitness facilities as defined by North American Industry Classification System (NAICS) Code 713940. This indicator is relevant because access to recreation and fitness facilities encourages physical activity and other healthy behaviors.

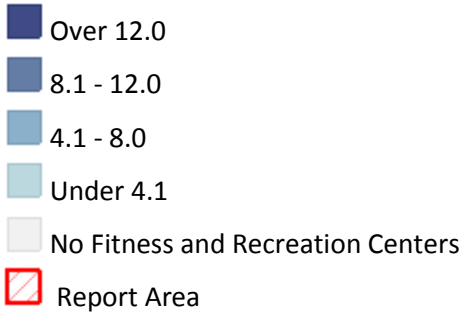
Report Area	Total Population	Number of Establishments	Establishments, Rate per 100,000 Population
Report Area	55,153	3	5.4
Bath County, KY	11,591	1	8.63
Menifee County, KY	6,306	0	0
Morgan County, KY	13,923	0	0
Rowan County, KY	23,333	2	8.57
Kentucky	4,339,367	328	7.6
United States	312,732,537	30,393	9.7



Data Source: US Census Bureau, County Business Patterns. Additional data analysis by CARES. 2013. Source geography: County



Recreation and Fitness Facilities, Rate (Per 100,000 Pop.) by County, CBP 2013

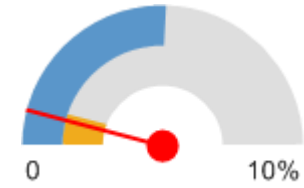


## Use of Public Transportation

This indicator reports the percentage of population using public transportation as their primary means of commute to work. Public transportation includes buses or trolley buses, streetcars or trolley cars, subway or elevated rails, and ferryboats.

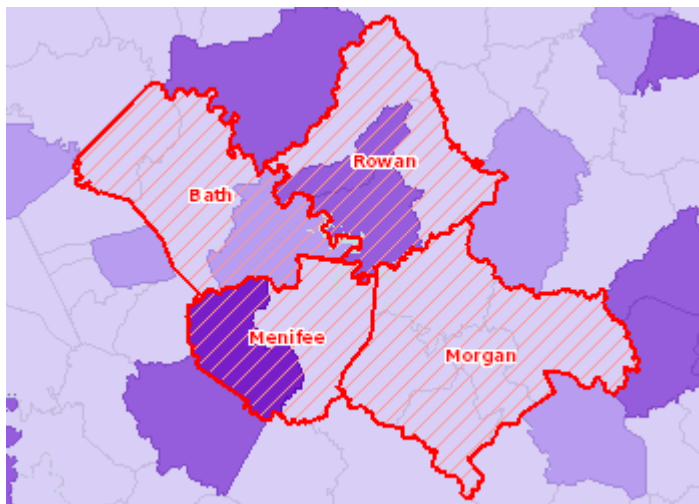
Report Area	Total Population Employed Age 16	Population Using Public Transit for Commute to Work	Percent Population Using Public Transit for Commute to Work
Report Area	19,095	158	0.83%
Bath County, KY	3,879	8	0.21%
Menifee County, KY	2,035	58	2.85%
Morgan County, KY	3,799	0	0%
Rowan County, KY	9,382	92	0.98%
Kentucky	1,845,143	19,839	1.08%
United States	141,337,152	7,157,671	5.06%

Percent Population Using Public Transit for Commute to Work



- Report Area (0.83%)
- Kentucky (1.08%)
- United States (5.06%)

Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Workers Traveling to Work Using Public Transit, Percent by Tract, ACS 2010-14

- Over 4.0%
- 1.1 - 4.0%
- 0.1 - 1.0%
- No Workers Using Public Transit
- No Data or Data Suppressed
- Report Area

## Notes





## Clinical Care

A lack of access to care presents barriers to good health. The supply and accessibility of facilities and physicians, the rate of uninsurance, financial hardship, transportation barriers, cultural competency, and coverage limitations affect access.

Rates of morbidity, mortality, and emergency hospitalizations can be reduced if community residents access services such as health screenings, routine tests, and vaccinations. Prevention indicators can call attention to a lack of access or knowledge regarding one or more health issues and can inform program interventions.

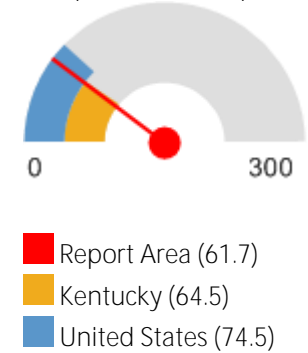
Clinical Care Indicators		
Access to Primary Care	HIV Screenings	Lack of Prenatal Care
Access to Dentists	Pneumonia Vaccination	Lack of a Consistent Source of Primary Care
Access to Mental Health Providers	Diabetes Management - Hemoglobin A1c Test	Population Living in a Health Professional Shortage Area
Cancer Screening - Mammogram	High Blood Pressure Management	Facilities Designated as Health Professional Shortage Areas
Cancer Screening - Pap Test	Dental Care Utilization	Preventable Hospital Events
Cancer Screening - Sigmoidoscopy or Colonoscopy	Federally Qualified Health Centers	

## Access to Primary Care

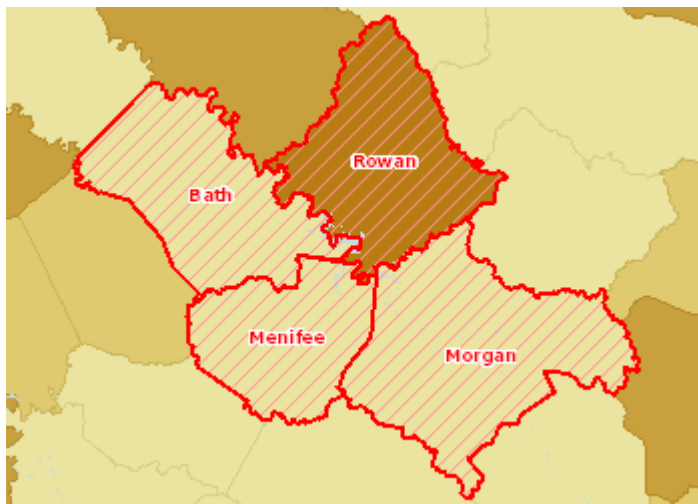
This indicator reports the number of primary care physicians per 100,000 population. Doctors classified as "primary care physicians" by the AMA include: General Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs and General Pediatrics MDs. Physicians age 75 and over and physicians practicing sub-specialties within the listed specialties are excluded. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Report Area	Total Population, 2012	Primary Care Physicians, 2012	Primary Care Physicians, Rate per 100,000 Pop.
Report Area	55,137	34	61.7
Bath County, KY	11,802	1	8.5
Menifee County, KY	6,220	2	32.2
Morgan County, KY	13,668	3	21.9
Rowan County, KY	23,447	28	119.4
Kentucky	4,380,415	2,824	64.5
United States	313,914,040	233,862	74.5

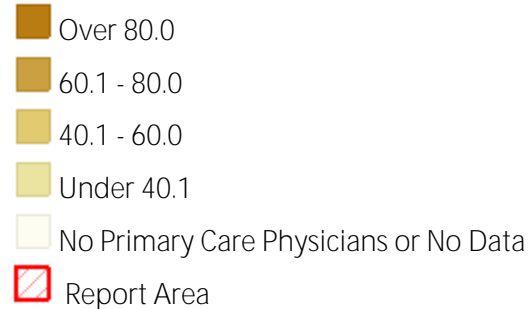
Primary Care Physicians, Rate per 100,000 Pop.



Data Source: US Department of Health Human Services, Health Resources and Services Administration, Area Health Resource File. 2012. Source geography: County



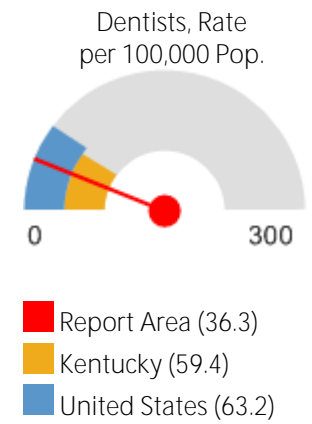
Access to Primary Care Physicians, Rate per 100,000 Pop. by County, AHRF 2012



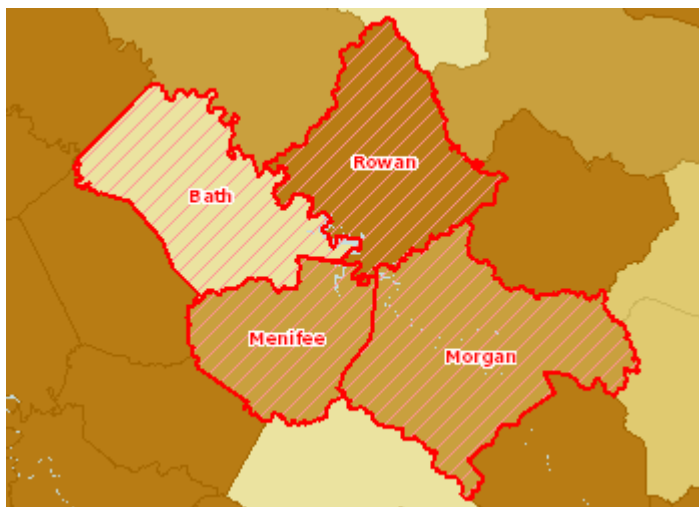
## Access to Dentists

This indicator reports the number of dentists per 100,000 population. This indicator includes all dentists - qualified as having a doctorate in dental surgery (D.D.S.) or dental medicine (D.M.D.), who are licensed by the state to practice dentistry and who are practicing within the scope of that license.

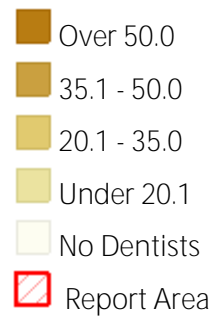
Report Area	Total Population, 2013	Dentists, 2013	Dentists, Rate per 100,000 Pop.
Report Area	55,156	20	36.3
Bath County, KY	11,961	1	8.4
Menifee County, KY	6,288	2	31.8
Morgan County, KY	13,380	4	29.9
Rowan County, KY	23,527	13	55.3
Kentucky	4,395,295	2,612	59.4
United States	316,128,839	199,743	63.2



Data Source: US Department of Health Human Services, Health Resources and Services Administration, Area Health Resource File. 2013. Source geography: County



Access to Dentists, Rate per 100,000 Pop. by County, AHRF 2013

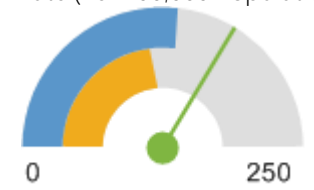


## Access to Mental Health Providers

This indicator reports the rate of the county population to the number of mental health providers including psychiatrists, psychologists, clinical social workers, and counsellors that specialize in mental health care.

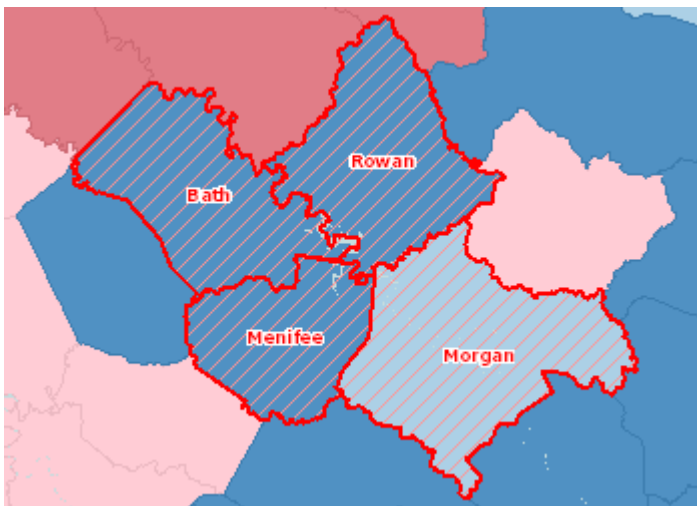
Report Area	Estimated Population	Number of Mental Health Providers	Ratio of Mental Health Providers to Population (1 Provider per x Persons)	Mental Health Care Provider Rate (Per 100,000 Population)
Report Area	59,880	101	592.9	168.6
Bath County, KY	11,905	21	566.9	176.4
Menifee County, KY	6,450	8	806.3	124
Morgan County, KY	15,644	13	1,203.4	83.1
Rowan County, KY	25,882	59	438.7	228
Kentucky	4,426,020	5,136	861.8	116
United States	318,306,896	426,991	745.5	134.1

Mental Health Care Provider Rate (Per 100,000 Population)



- Report Area (168.6)
- Kentucky (116)
- United States (134.1)

Data Source: University of Wisconsin Population Health Institute, County Health Rankings. 2014. Source geography: County



Access to Mental Health Care Providers, Rank by County, CHR 2014

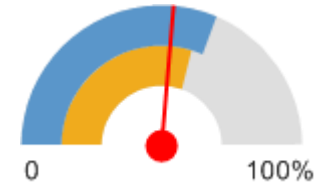
- 1st Quartile (Top 25%)
- 2nd Quartile
- 3rd Quartile
- 4th Quartile (Bottom 25%)
- Bottom Quintile (Rhode Island Only)
- No Data or Data Suppressed; -1
- Report Area

### Cancer Screening - Mammogram

This indicator reports the percentage of female Medicare enrollees, age 67-69, who have received one or more mammograms in the past two years. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

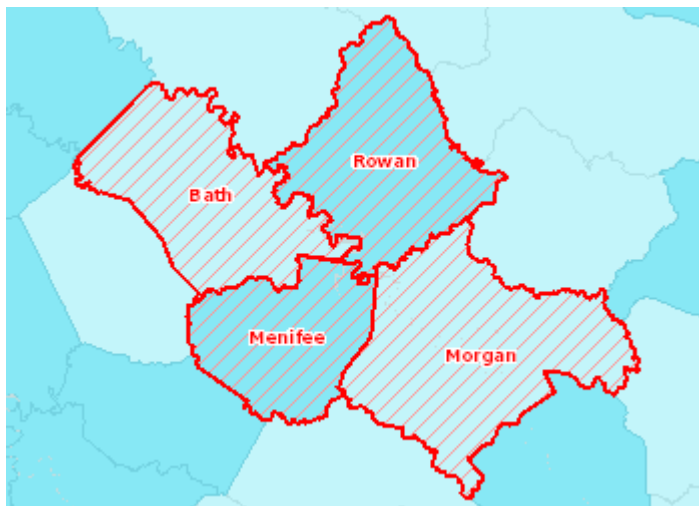
Report Area	Total Medicare Enrollees	Female Medicare Enrollees Age 67-69	Female Medicare Enrollees with Mammogram in Past 2 Years	Percent Female Medicare Enrollees with Mammogram in Past 2 Year
Report Area	5,437	437	231	52.9%
Bath County, KY	1,316	96	40	41.7%
Menifee County, KY	684	60	37	61.7%
Morgan County, KY	1,425	114	53	47.4%
Rowan County, KY	2,012	167	100	59.9%
Kentucky	452,344	39,535	23,775	60.1%
United States	53,131,712	4,402,782	2,772,990	63%

Percent Female Medicare Enrollees with Mammogram in Past 2 Year



- Report Area (52.9%)
- Kentucky (60.1%)
- United States (63%)

Data Source: Dartmouth College Institute for Health Policy Clinical Practice, Dartmouth Atlas of Health Care. 2012. Source geography: County



Mammogram (Past 2 Years), Percent of Female Medicare Enrollees, Age 67-69 by County, DA 2012

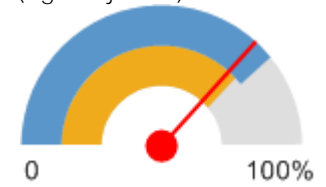
- Over 72.0%
- 64.1 - 72.0%
- 56.1 - 64.0%
- Under 56.1%
- No Data or Data Suppressed
- Report Area

## Cancer Screening - Pap Test

This indicator reports the percentage of women aged 18 and older who self-report that they have had a Pap test in the past three years. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

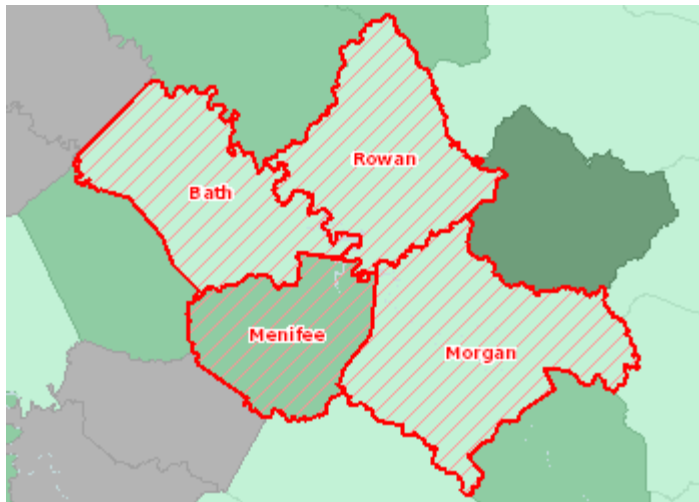
Report Area	Female Population Age 18	Estimated Number with Regular Pap Test	Crude Percentage	Age-Adjusted Percentage
Report Area	41,516	30,362	73.1%	73.2%
Bath County, KY	8,427	5,890	69.9%	70.3%
Menifee County, KY	4,710	3,664	77.8%	78.3%
Morgan County, KY	10,478	7,848	74.9%	74.2%
Rowan County, KY	17,901	12,960	72.4%	72.6%
Kentucky	2,950,550	2,239,467	75.9%	76.9%
United States	176,847,182	137,191,142	77.6%	78.5%

Percent Adults Females Age 18 with Regular Pap Test (Age-Adjusted)



- Report Area (73.2%)
- Kentucky (76.9%)
- United States (78.5%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Cervical Cancer Screening (Past 3 Years), Percent of Women Age 18 by County, BRFSS 2006-12

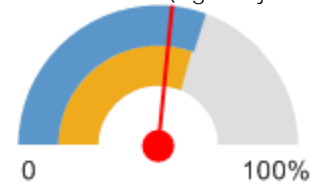
- Over 84.0%
- 80.1 - 84.0%
- 76.1 - 80.0%
- Under 76.1%
- No Data or Data Suppressed
- Report Area

## Cancer Screening - Sigmoidoscopy or Colonoscopy

This indicator reports the percentage of adults 50 and older who self-report that they have ever had a sigmoidoscopy or colonoscopy. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

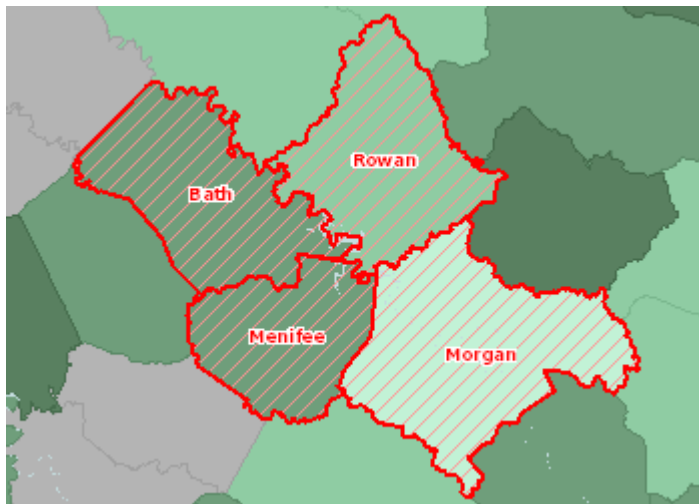
Report Area	Total Population Age 50	Estimated Population Ever Screened for Colon Cancer	Crude Percentage	Age-Adjusted Percentage
Report Area	13,839	7,841	56.7%	53.1%
Bath County, KY	3,188	1,989	62.4%	57.9%
Menifee County, KY	1,830	1,025	56%	56.1%
Morgan County, KY	3,550	1,722	48.5%	48%
Rowan County, KY	5,271	3,105	58.9%	52.6%
Kentucky	1,096,496	702,854	64.1%	61.4%
United States	75,116,406	48,549,269	64.6%	61.3%

Percent Adults Screened for Colon Cancer (Age-Adjusted)



- Report Area (53.1%)
- Kentucky (61.4%)
- United States (61.3%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Colon Cancer Screening (Ever), Percent of Adults Age 50 by County, BRFSS 2006-12

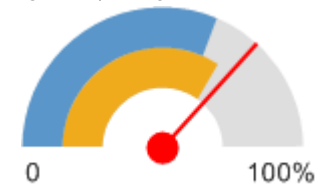
- Over 62.0%
- 55.1 - 62.0%
- 48.1 - 55.0%
- Under 48.1%
- No Data or Data Suppressed
- Report Area

## HIV Screenings

This indicator reports the percentage of adults age 18-70 who self-report that they have never been screened for HIV. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

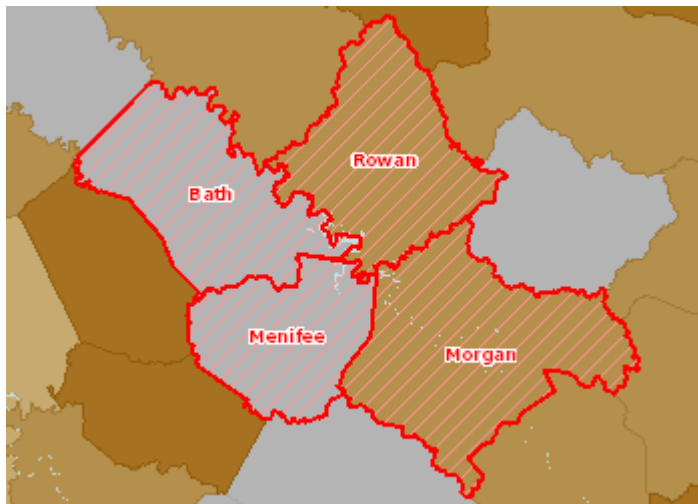
Report Area	Survey Population (Smokers Age 18 )	Total Adults Never Screened for HIV / AIDS	Percent Adults Never Screened for HIV / AIDS
Report Area	25,688	18,827	73.3%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	9,921	7,521	75.81%
Rowan County, KY	15,767	11,306	71.71%
Kentucky	2,990,034	2,062,719	68.99%
United States	214,984,421	134,999,025	62.79%

Percent Adults Never Screened for HIV / AIDS



- Report Area (73.3%)
- Kentucky (68.99%)
- United States (62.79%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



Adults Age 18 Never Screened for HIV / AIDS, Percent by County, BRFSS 2011-12

- Over 76.1%
- 68.1 - 76.0%
- 60.1 - 68.0%
- Under 60.1%
- No Data or Data Suppressed
- Report Area

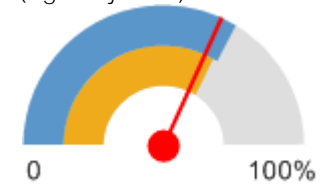
## Pneumonia Vaccination

This indicator reports the percentage of adults aged 65 and older who self-report that they have ever received a pneumonia vaccine. This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.



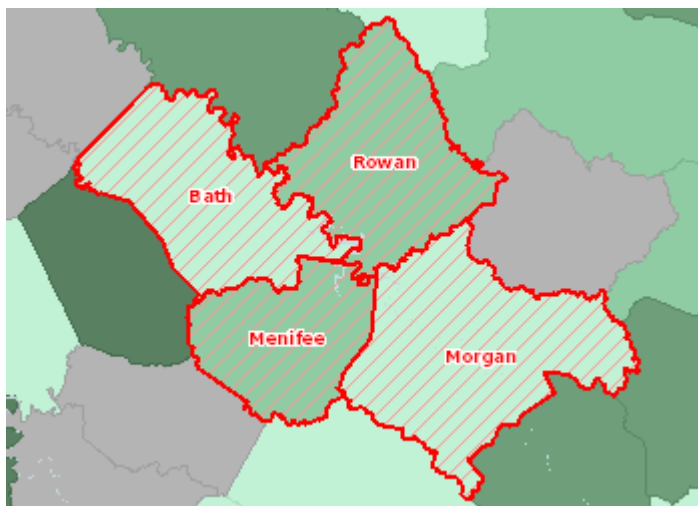
Report Area	Total Population Age 65	Estimated Population with Annual Pneumonia Vaccination	Crude Percentage	Age-Adjusted Percentage
Report Area	7,283	4,595	63.1%	63.4%
Bath County, KY	1,681	1,047	62.3%	62.9%
Menifee County, KY	960	638	66.5%	66.4%
Morgan County, KY	1,825	1,082	59.3%	58.3%
Rowan County, KY	2,817	1,828	64.9%	66%
Kentucky	570,856	379,048	66.4%	66.9%
United States	39,608,820	26,680,462	67.4%	67.5%

Percent Population Age 65 with Pneumonia Vaccination (Age-Adjusted)



- Report Area (63.4%)
- Kentucky (66.9%)
- United States (67.5%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Annual Pneumonia Vaccination, Percent of Adults Age 65 by County, BRFSS 2006-12

- Over 72.0%
- 68.1 - 72.0%
- 64.1 - 68.0%
- Under 64.1%
- No Data or Data Suppressed
- Report Area

## Diabetes Management - Hemoglobin A1c Test

This indicator reports the percentage of diabetic Medicare patients who have had a hemoglobin A1c (hA1c) test, a blood test which measures blood sugar levels, administered by a health care professional in the past year. In the report area, 730 Medicare enrollees with diabetes have had an annual exam out of 836 Medicare enrollees in the report area with diabetes, or 87.4%. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

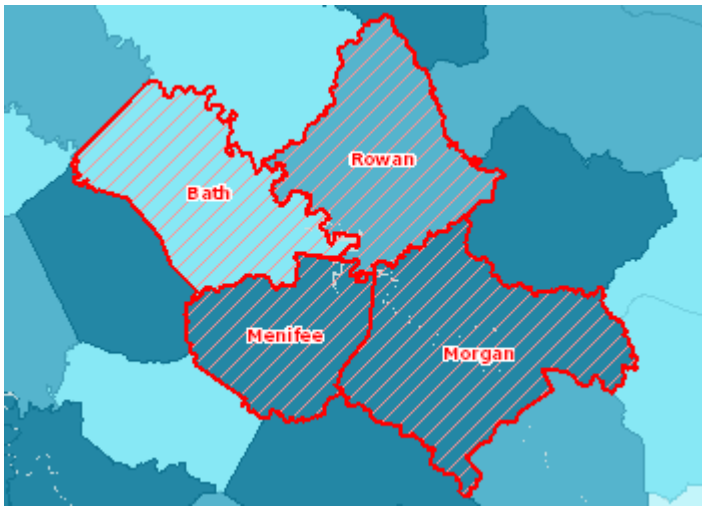
Report Area	Total Medicare Enrollees	Medicare Enrollees with Diabetes	Medicare Enrollees with Diabetes with Annual Exam	Percent Medicare Enrollees with Diabetes with Annual Exam
Report Area	5,437	836	730	87.4%
Bath County, KY	1,316	188	156	83.5%
Menifee County, KY	684	128	116	90.6%
Morgan County, KY	1,425	209	187	90%
Rowan County, KY	2,012	311	269	86.8%
Kentucky	452,344	66,548	56,725	85.2%
United States	53,131,712	6,517,150	5,511,632	84.6%

Percent Medicare Enrollees with Diabetes with Annual Exam



- Report Area (87.4%)
- Kentucky (85.2%)
- United States (84.6%)

Data Source: Dartmouth College Institute for Health Policy Clinical Practice, Dartmouth Atlas of Health Care. 2012. Source geography: County



Patients with Annual HA1C Test (Diabetes), Percent of Medicare Enrollees with Diabetes by County, DA 2012

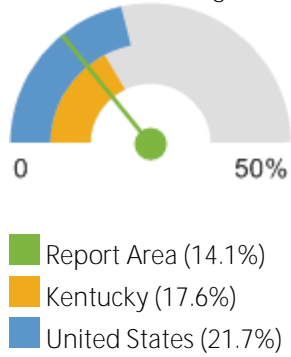
- Over 88.0%
- 84.1 - 88.0%
- 80.1 - 84.0%
- Under 80.1%
- No Data or Data Suppressed
- Report Area

### High Blood Pressure Management

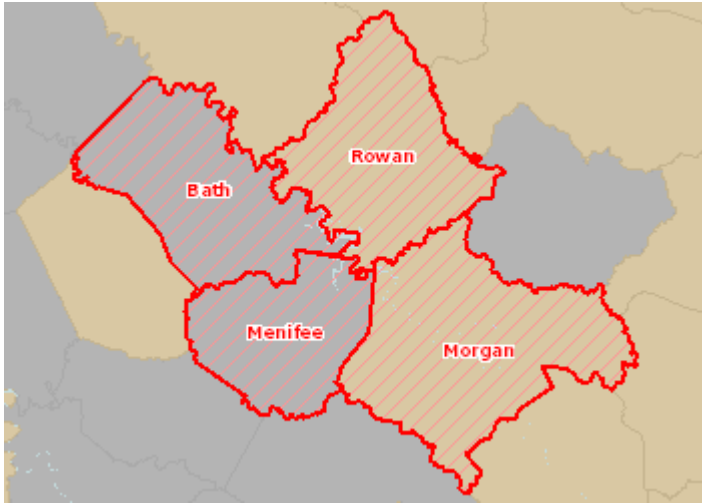
In the report area, 14.1% of adults, or 6,077, self-reported that they are not taking medication for their high blood pressure according to the CDC's Behavioural Risk Factor Surveillance System (2006-2010). This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. When considered with other indicators of poor health, this indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

Report Area	Total Population (Age 18 )	Total Adults Not Taking Blood Pressure Medication (When Needed)	Percent Adults Not Taking Medication
Report Area	43,167	6,077	14.1%
Bath County, KY	8,684	no data	no data
Menifee County, KY	4,988	no data	no data
Morgan County, KY	11,119	3,653	32.9%
Rowan County, KY	18,376	2,424	13.2%
Kentucky	3,294,652	580,000	17.6%
United States	235,375,690	51,175,402	21.7%

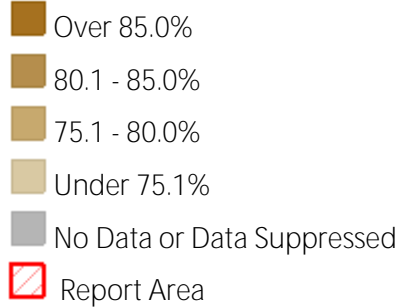
Percent Adults with High Blood Pressure Not Taking Medication



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County



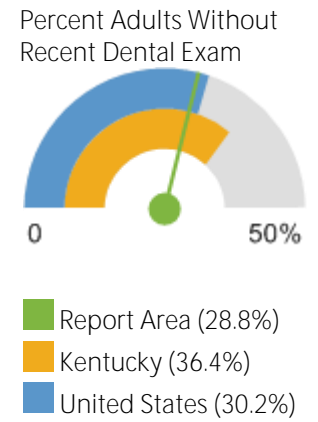
Adults Age 18 with High Blood Pressure, Not Taking Medication, Percent by County, BRFSS 2006-10



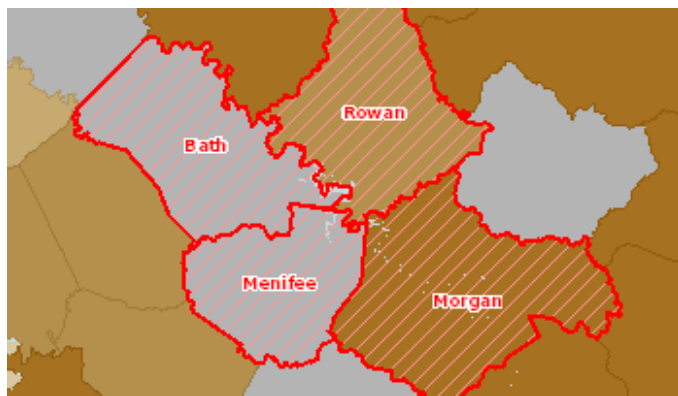
### Dental Care Utilization

This indicator reports the percentage of adults aged 18 and older who self-report that they have not visited a dentist, dental hygienist or dental clinic within the past year. This indicator is relevant because engaging in preventive behaviors decreases the likelihood of developing future health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

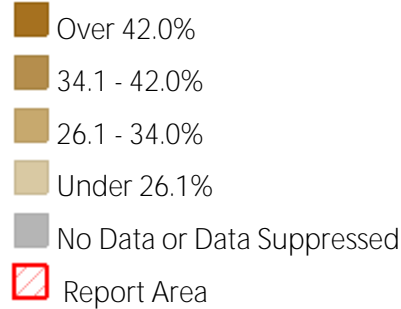
Report Area	Total Population (Age 18)	Total Adults Without Recent Dental Exam	Percent Adults with No Dental Exam
Report Area	43,167	12,415	28.8%
Bath County, KY	8,684	0	0%
Menifee County, KY	4,988	0	0%
Morgan County, KY	11,119	5,570	50.1%
Rowan County, KY	18,376	6,845	37.2%
Kentucky	3,294,652	1,197,883	36.4%
United States	235,375,690	70,965,788	30.2%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County



Adults Age 18 Without Dental Exam in Past 12 Months, Percent by County, BRFSS 2006-10



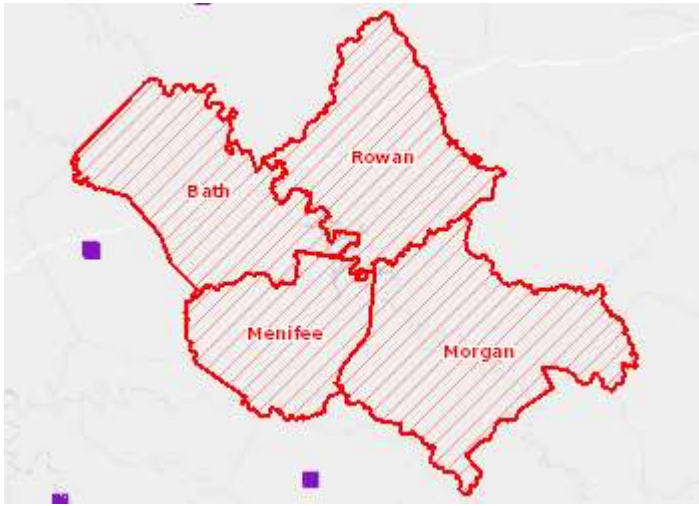
## Federally Qualified Health Centers

This indicator reports the number of Federally Qualified Health Centers (FQHCs) in the community. This indicator is relevant because FQHCs are community assets that provide health care to vulnerable populations; they receive extra funding from the federal government to promote access to ambulatory care in areas designated as medically underserved.

Report Area	Total Population	Number of Federally Qualified Health Centers	Rate of Federally Qualified Health Centers per 100,000 Population
Report Area	55,153	0	0
Bath County, KY	11,591	0	0
Menifee County, KY	6,306	0	0
Morgan County, KY	13,923	0	0
Rowan County, KY	23,333	0	0
Kentucky	4,339,367	0	0
United States	312,471,327	0	0

Note: This indicator is compared with the state average.

Data Source: US Department of Health Human Services, Center for Medicare Medicaid Services, Provider of Services File. Sept. 2015. Source geography: Address



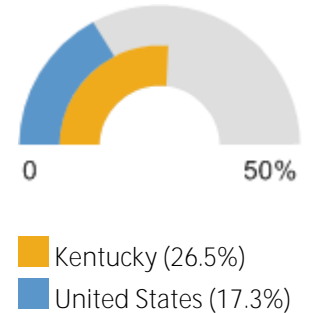
- Federally Qualified Health Centers, POS Sept. 2015
- Report Area

### Lack of Prenatal Care

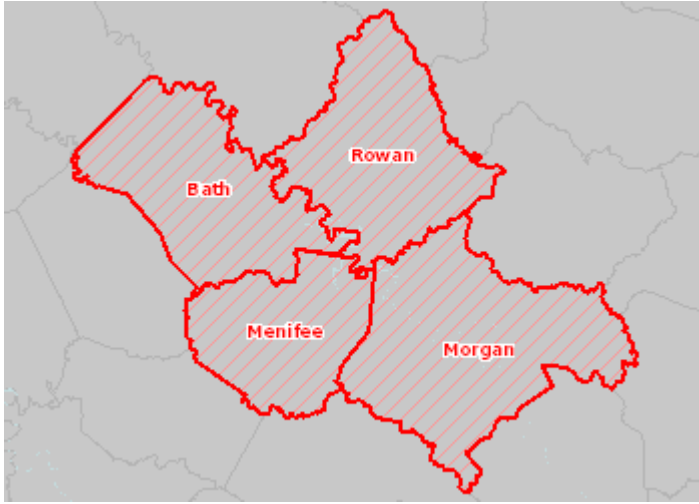
This indicator reports the percentage of women who do not obtain prenatal care during their first trimester of pregnancy. This indicator is relevant because engaging in prenatal care decreases the likelihood of maternal and infant health risks. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

Report Area	Total Births	Mothers Starting Prenatal Care in First Semester	Mothers with Late or No Prenatal Care	Prenatal Care Not Reported	Percentage Mothers with Late or No Prenatal Care
Report Area	no data	no data	no data	no data	no data
Bath County, KY	no data	no data	no data	no data	suppressed
Menifee County, KY	no data	no data	no data	no data	suppressed
Morgan County, KY	no data	no data	no data	no data	suppressed
Rowan County, KY	no data	no data	no data	no data	suppressed
Kentucky	231,078	161,563	61,123	8,392	26.5%
United States	16,693,978	7,349,554	2,880,098	6,464,326	17.3%

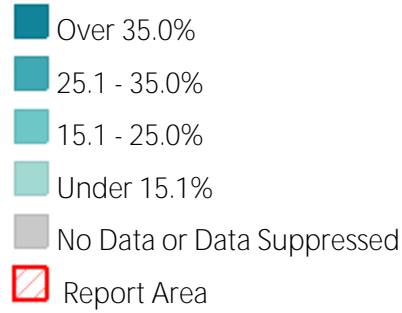
Percentage Mothers with Late or No Prenatal Care



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. Centers for Disease Control and Prevention, Wide-Ranging Online Data for Epidemiologic Research. 2007-10. Source geography: County



Mothers with Late or No Pre-Natal Care, Percent by County, NVSS 2007-10



### Lack of a Consistent Source of Primary Care

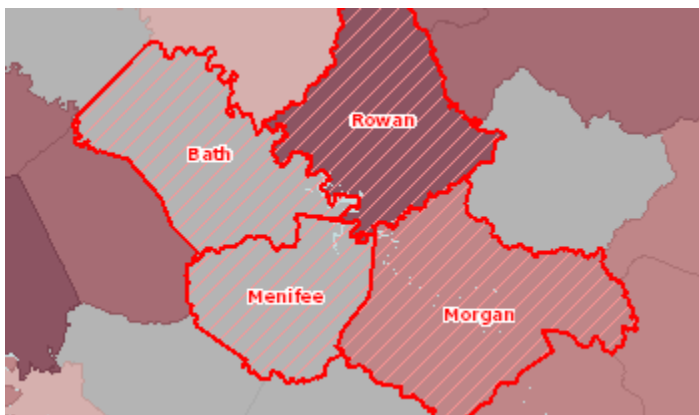
This indicator reports the percentage of adults aged 18 and older who self-report that they do not have at least one person who they think of as their personal doctor or health care provider. This indicator is relevant because access to regular primary care is important to preventing major health issues and emergency department visits.

Report Area	Survey Population (Adults Age 18)	Total Adults Without Any Regular Doctor	Percent Adults Without Any Regular Doctor
Report Area	27,727	6,505	23.5%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	10,991	2,014	18.32%
Rowan County, KY	16,736	4,491	26.84%
Kentucky	3,311,523	635,011	19.18%
United States	236,884,668	52,290,932	22.07%

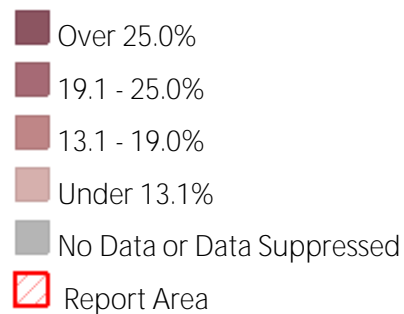
Percent Adults Without Any Regular Doctor



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



No Consistent Source of Primary Care, Percent of Adults Age 18 by County, BRFSS 2011-12

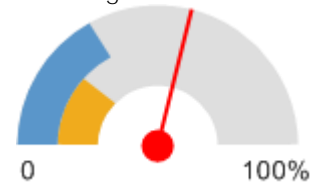


## Population Living in a Health Professional Shortage Area

This indicator reports the percentage of the population that is living in a geographic area designated as a "Health Professional Shortage Area" (HPSA), defined as having a shortage of primary medical care, dental or mental health professionals. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

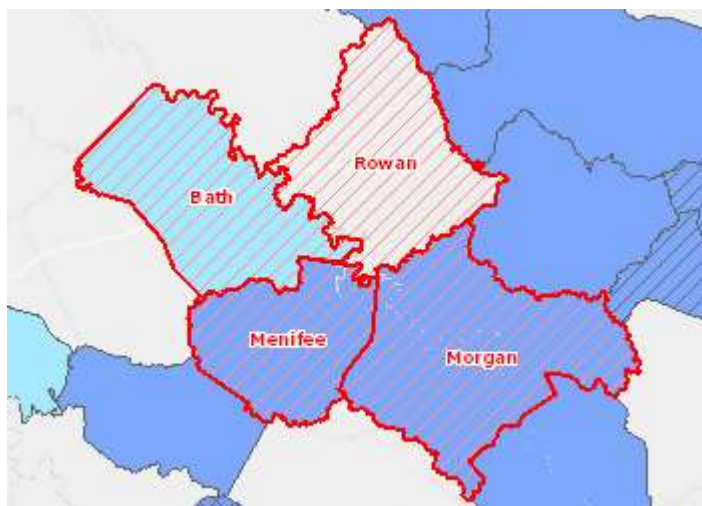
Report Area	Total Area Population	Population Living in a HPSA	Percentage of Population Living in a HPSA
Report Area	55,153	31,820	57.69%
Bath County, KY	11,591	11,591	100%
Menifee County, KY	6,306	6,306	100%
Morgan County, KY	13,923	13,923	100%
Rowan County, KY	23,333	0	0%
Kentucky	4,339,367	1,044,970	24.08%
United States	308,745,538	105,203,742	34.07%

Percentage of Population Living in a HPSA



- Report Area (57.69%)
- Kentucky (24.08%)
- United States (34.07%)

Data Source: US Department of Health Human Services, Health Resources and Services Administration, Health Resources and Services Administration. March 2015. Source geography: HPSA



Primary Care HPSA Components, Type and Degree of Shortage by Tract / County, HRSA HPSA Database March 2015

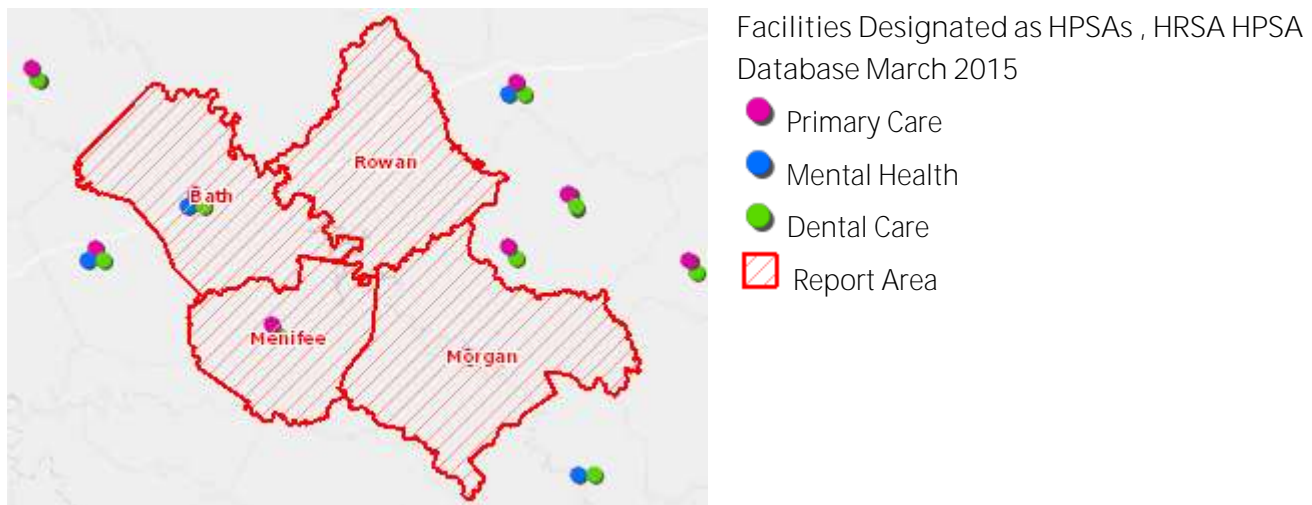
- ▨ Population Group; Over 20.0 FTE Needed
- ▨ Population Group; 1.1 - 20.0 FTE Needed
- Population Group; Under 1.1 FTE Needed
- ▨ Geographic Area; Over 20.0 FTE Needed
- ▨ Geographic Area; 1.1 - 20.0 FTE Needed
- Geographic Area; Under 1.1 FTE Needed
- ▭ Report Area

## Facilities Designated as Health Professional Shortage Areas

This indicator reports the number and location of health care facilities designated as "Health Professional Shortage Areas" (HPSAs), defined as having shortages of primary medical care, dental or mental health providers. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Report Area	Primary Care Facilities	Mental Health Care Facilities	Dental Health Care Facilities	Total HPSA Facility Designations
Report Area	3	1	2	6
Bath County, KY	1	1	1	3
Menifee County, KY	1	0	1	2
Morgan County, KY	1	0	0	1
Rowan County, KY	0	0	0	0
Kentucky	68	57	61	186
United States	3,427	3,060	2,915	8,810

Data Source: US Department of Health Human Services, Health Resources and Services Administration, Health Resources and Services Administration. March 2015. Source geography: Address



### Preventable Hospital Events

This indicator reports the discharge rate (per 1,000 Medicare enrollees) for conditions that are ambulatory care sensitive (ACS). ACS conditions include pneumonia, dehydration, asthma, diabetes, and other conditions which could have been prevented if adequate primary care resources were available and accessed by those patients. This indicator is relevant because analysis of ACS discharges allows demonstrating a possible “return on investment” from interventions that reduce admissions (for example, for uninsured or Medicaid patients) through better access to primary care resources.



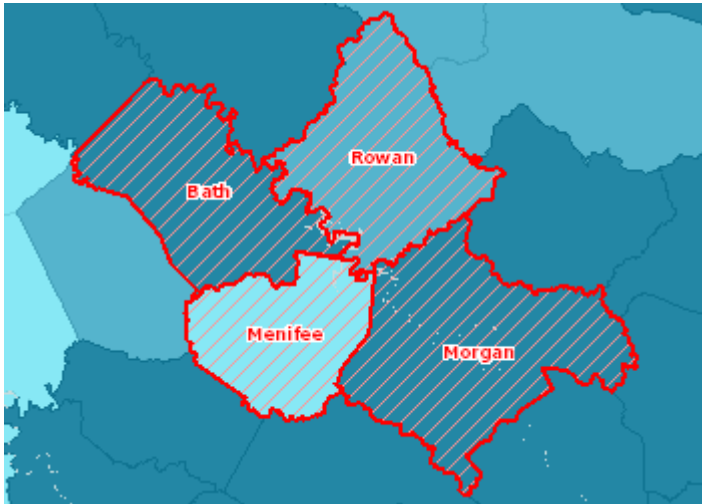
Report Area	Total Medicare Part A Enrollees	Ambulatory Care Sensitive Condition Hospital Discharges	Ambulatory Care Sensitive Condition Discharge Rate
Report Area	5,517	610	110.7
Bath County, KY	1,325	139	105.3
Menifee County, KY	699	46	66.1
Morgan County, KY	1,409	222	158.1
Rowan County, KY	2,084	202	97
Kentucky	474,007	44,747	94.4
United States	58,209,898	3,448,111	59.2

Preventable Hospital Events, Age-Adjusted Discharge Rate (Per 1,000 Medicare Enrollees)



- Report Area (110.7)
- Kentucky (94.4)
- United States (59.2)

Data Source: Dartmouth College Institute for Health Policy Clinical Practice, Dartmouth Atlas of Health Care. 2012. Source geography: County



Ambulatory Care Sensitive Conditions, Rate (Per 1,000 Medicare Enrollees) by County, DA 2012

- Over 100.0
- 80.1 - 100.0
- 60.1 - 80.0
- Under 60.1
- No Data or Data Suppressed
- Report Area

## Notes



## Health Behaviors

Health behaviors such as poor diet, a lack of exercise, and substance abuse contribute to poor health status.

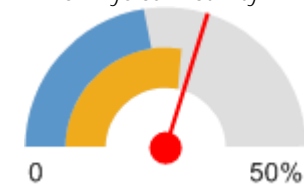
Health Behaviors Indicators		
Physical Inactivity	Alcohol Consumption	Tobacco Usage - Quit Attempt
Fruit/Vegetable Consumption	Alcohol Expenditures	Tobacco Expenditures
Fruit/Vegetable Expenditures	Tobacco Usage - Current Smokers	Walking or Biking to Work
Soda Expenditures	Tobacco Usage - Former or Current Smokers	

## Physical Inactivity

Within the report area, 12,643 or 29.9% of adults aged 20 and older self-report no leisure time for activity, based on the question: "During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?". This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as obesity and poor cardiovascular health.

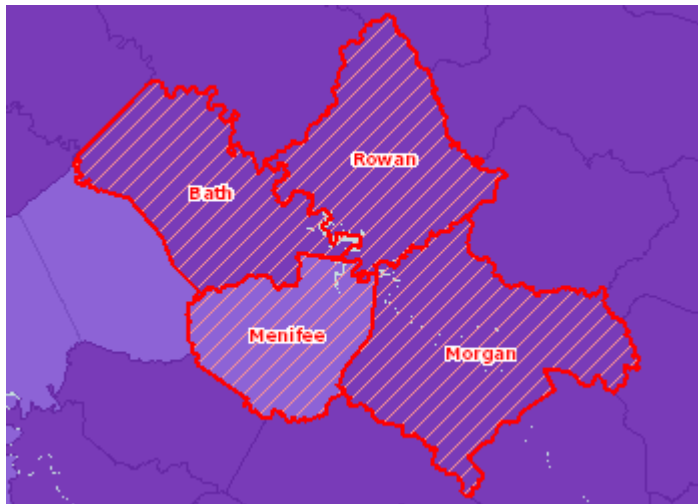
Report Area	Total Population Age 20	Population with no Leisure Time Physical Activity	Percent Population with no Leisure Time Physical Activity
Report Area	41,355	12,643	29.9%
Bath County, KY	8,618	2,620	29.1%
Menifee County, KY	4,756	1,365	27.2%
Morgan County, KY	10,622	3,537	32.7%
Rowan County, KY	17,359	5,121	29.4%
Kentucky	3,246,893	929,226	27.8%
United States	231,341,061	53,415,737	22.6%

Percent Population with no Leisure Time Physical Activity



- Report Area (29.9%)
- Kentucky (27.8%)
- United States (22.6%)

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2012. Source geography: County



No Leisure-Time Physical Activity, Adults Age 20 , Percent by County, CDC NCCDPHP 2012

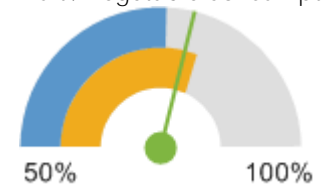
- Over 29.0%
- 26.1 - 29.0%
- 23.1 - 26.0%
- Under 23.1%
- Report Area

## Fruit/Vegetable Consumption

In the report area an estimated 33,769, or 78.8% of adults over the age of 18 are consuming less than 5 servings of fruits and vegetables each day. This indicator is relevant because current behaviors are determinants of future health, and because unhealthy eating habits may cause of significant health issues, such as obesity and diabetes.

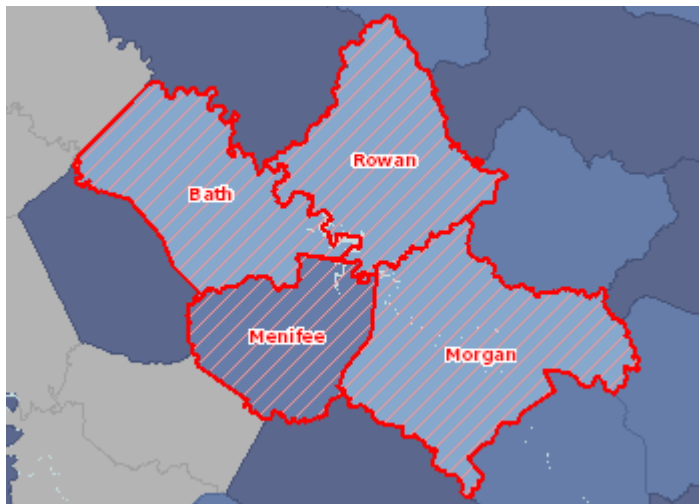
Report Area	Total Population (Age 18)	Total Adults with Inadequate Fruit / Vegetable Consumption	Percent Adults with Inadequate Fruit / Vegetable Consumption
Report Area	42,871	33,769	78.8%
Bath County, KY	8,765	6,793	77.5%
Menifee County, KY	5,157	4,358	84.5%
Morgan County, KY	11,252	8,867	78.8%
Rowan County, KY	17,697	13,751	77.7%
Kentucky	3,241,564	2,632,150	81.2%
United States	227,279,010	171,972,118	75.7%

Percent Adults with Inadequate Fruit / Vegetable Consumption



- Report Area (78.8%)
- Kentucky (81.2%)
- United States (75.7%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2005-09. Source geography: County



Inadequate Fruit/Vegetable Consumption, Percent of Adults Age 18 by County, BRFSS 2005-09

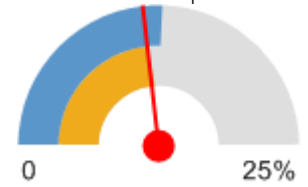
- Over 85.0%
- 80.1 - 85.0%
- 75.1 - 80.0%
- Under 75.1%
- No Data or Data Suppressed
- Report Area

## Fruit/Vegetable Expenditures

This indicator reports estimated expenditures for fruits and vegetables purchased for in-home consumption, as a percentage of total household expenditures. This indicator is relevant because current behaviors are determinants of future health, and because unhealthy eating habits may illustrate a cause of significant health issues, such as obesity and diabetes.

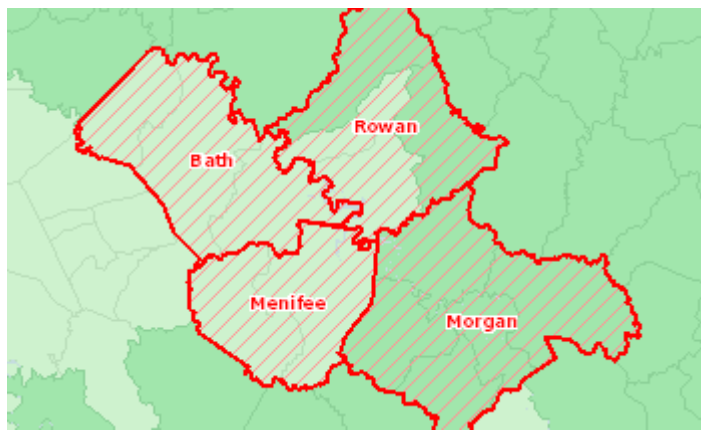
Report Area	State Rank	Z-Score (US)	Z-Score (State)	Average Expenditures (USD)	Percentage of Food-At-Home Expenditures
Report Area	no data	-0.77	-0.11	\$641.91	11.56%
Bath County, KY	117	-1.02	-0.46	suppressed	suppressed
Menifee County, KY	114	-1	-0.43	suppressed	suppressed
Morgan County, KY	34	-0.54	0.22	suppressed	suppressed
Rowan County, KY	92	-0.72	-0.04	suppressed	suppressed
Kentucky	no data	-0.64	0	\$635.77	11.73%
United States	no data	no data	no data	\$744.71	12.68%

Fruit / Vegetable Expenditures, Percentage of Total Food-At-Home Expenditures



■ Report Area (11.56%)  
■ Kentucky (11.73%)  
■ United States (12.68%)

Data Source: Nielsen, Nielsen SiteReports. 2014. Source geography: Tract



Fruit and Vegetable Expenditures, Percent of Food-At-Home Expenditures, National Rank by Tract, Nielsen 2014

- 1st Quintile (Highest Expenditures)
- 2nd Quintile
- 3rd Quintile
- 4th Quintile
- 5th Quintile (Lowest Expenditures)
- No Data or Data Suppressed
- Report Area

## Soda Expenditures

This indicator reports soft drink consumption by census tract by estimating expenditures for carbonated beverages, as a percentage of total household expenditures. This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues such as diabetes and obesity.

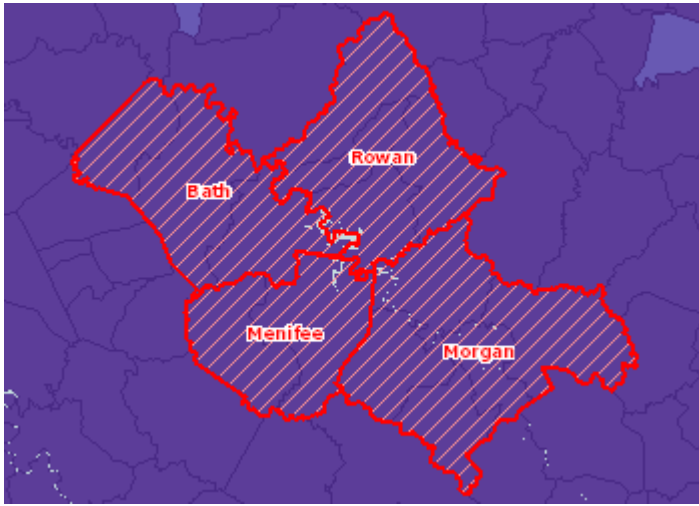
Report Area	State Rank	Z-Score (US)	Z-Score (State)	Average Expenditures (USD)	Percentage of Food-At-Home Expenditures
Report Area	no data	1.26	0.57	\$267.62	4.82%
Bath County, KY	5	1.58	1.03	suppressed	suppressed
Menifee County, KY	2	1.62	1.08	suppressed	suppressed
Morgan County, KY	57	0.98	0.15	suppressed	suppressed
Rowan County, KY	25	1.18	0.44	suppressed	suppressed
Kentucky	no data	0.87	0	\$248.17	4.58%
United States	no data	no data	no data	\$236.04	4.02%

Soda Expenditures, Percentage of Total Food-At-Home Expenditures

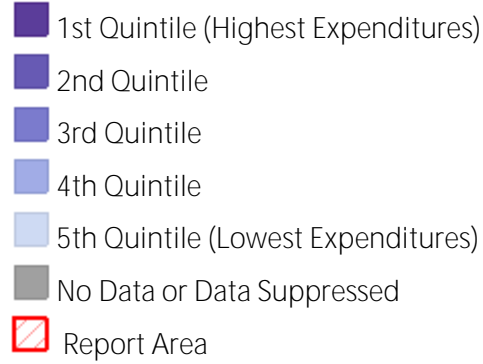


■ Report Area (4.82%)  
■ Kentucky (4.58%)  
■ United States (4.02%)

Data Source: Nielsen, Nielsen SiteReports. 2014. Source geography: Tract



Soda Expenditures, Percent of Food-At-Home Expenditures, National Rank by Tract, Nielsen 2014

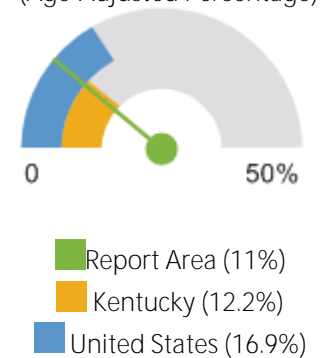


## Alcohol Consumption

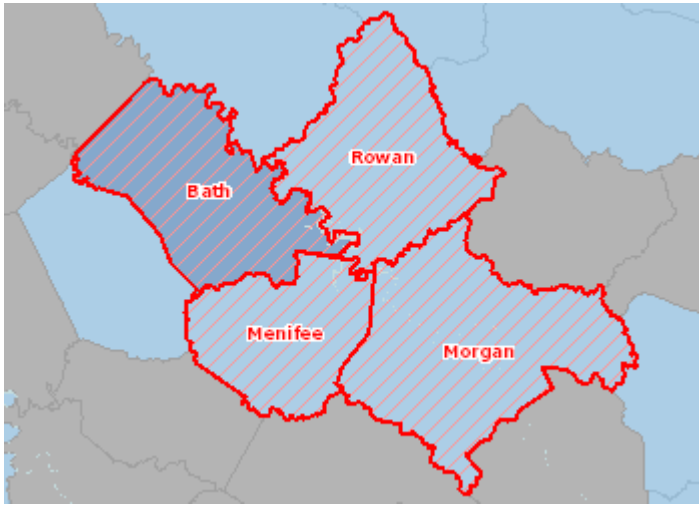
This indicator reports the percentage of adults aged 18 and older who self-report heavy alcohol consumption (defined as more than two drinks per day on average for men and one drink per day on average for women). This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as cirrhosis, cancers, and untreated mental and behavioral health needs.

Report Area	Total Population Age 18	Estimated Adults Drinking Excessively	Estimated Adults Drinking Excessively (Crude Percentage)	Estimated Adults Drinking Excessively (Age-Adjusted Percentage)
Report Area	43,369	4,745	10.9%	11%
Bath County, KY	8,716	1,159	13.3%	14.3%
Menifee County, KY	4,911	619	12.6%	12.4%
Morgan County, KY	11,118	1,123	10.1%	9.9%
Rowan County, KY	18,624	1,844	9.9%	9.8%
Kentucky	3,294,652	388,769	11.8%	12.2%
United States	232,556,016	38,248,349	16.4%	16.9%

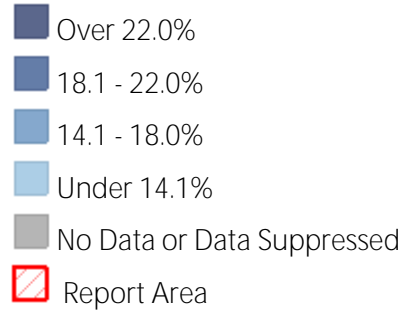
Estimated Adults Drinking Excessively (Age-Adjusted Percentage)



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Excessive Drinking, Percent of Adults Age 18 by County, BRFSS 2006-12

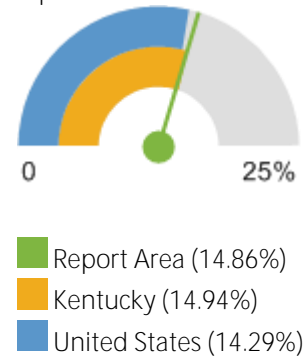


## Alcohol Expenditures

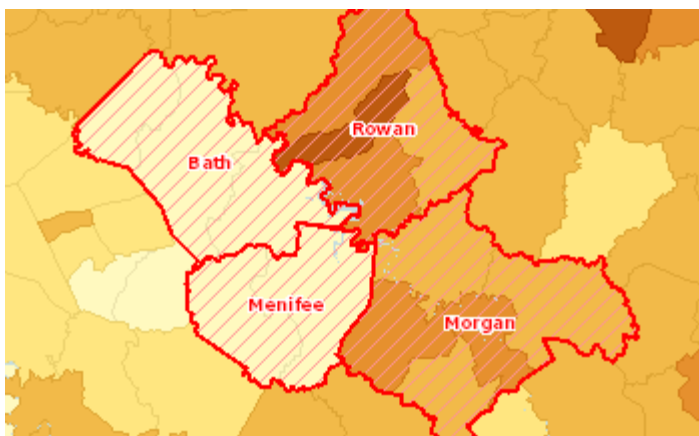
This indicator reports estimated expenditures for alcoholic beverages purchased at home, as a percentage of total household expenditures. This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as cirrhosis, cancers, and untreated mental and behavioral health needs.

Report Area	State Rank	Z-Score (US)	Z-Score (State)	Average Expenditures (USD)	Percentage of Food-At-Home Expenditures
Report Area	no data	0.3	0.11	\$824.99	14.86%
Bath County, KY	119	-1.19	-1.58	suppressed	suppressed
Menifee County, KY	120	-1.23	-1.62	suppressed	suppressed
Morgan County, KY	62	0.11	-0.11	suppressed	suppressed
Rowan County, KY	4	1.39	1.34	suppressed	suppressed
Kentucky	no data	0.33	0	\$809.86	14.94%
United States	no data	no data	no data	\$839.54	14.29%

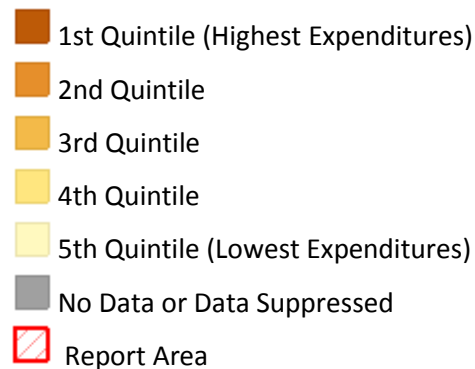
Alcoholic Beverage Expenditures, Percentage of Total Food-At-Home Expenditures



Data Source: Nielsen, Nielsen SiteReports. 2014. Source geography: Tract



Alcoholic Beverage Expenditures, Percent of Food-At-Home Expenditures, National Rank by Tract, Nielsen 2014

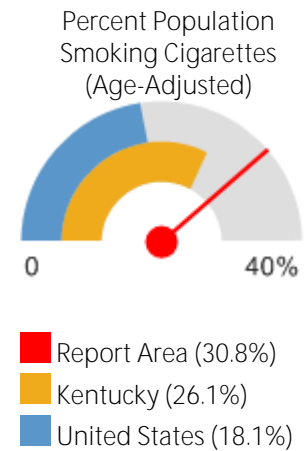




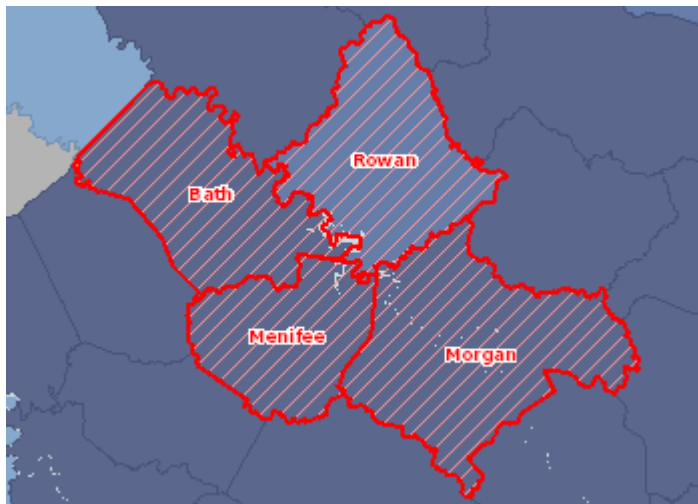
## Tobacco Usage - Current Smokers

In the report area an estimated 13,426, or 31% of adults age 18 or older self-report currently smoking cigarettes some days or every day. This indicator is relevant because tobacco use is linked to leading causes of death such as cancer and cardiovascular disease.

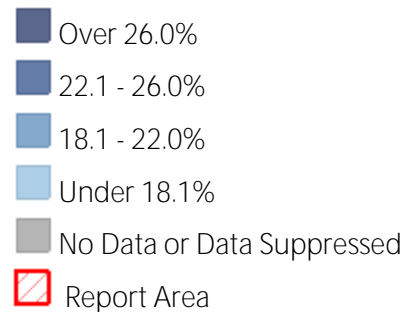
Report Area	Total Population Age 18	Total Adults Regularly Smoking Cigarettes	Percent Population Smoking Cigarettes (Crude)	Percent Population Smoking Cigarettes (Age-Adjusted)
Report Area	43,369	13,426	31%	30.8%
Bath County, KY	8,716	2,798	32.1%	32.8%
Menifee County, KY	4,911	1,773	36.1%	35.8%
Morgan County, KY	11,118	4,180	37.6%	36.7%
Rowan County, KY	18,624	4,675	25.1%	25%
Kentucky	3,294,652	843,431	25.6%	26.1%
United States	232,556,016	41,491,223	17.8%	18.1%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



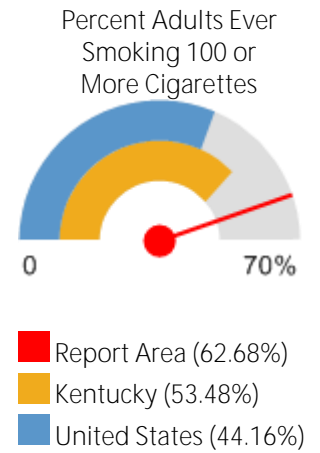
Current Smokers, Adult, Percent of Adults Age 18 by County, BRFSS 2006-12



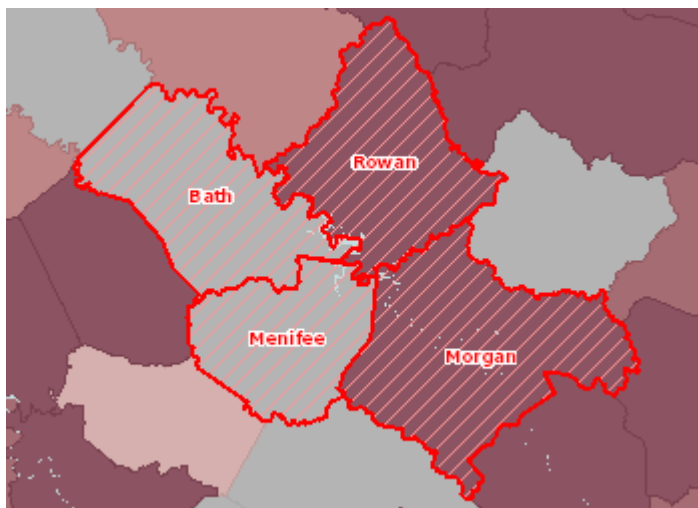
## Tobacco Usage - Former or Current Smokers

In the report area, an estimated 17,249 adults, or 62.68%, report ever smoking 100 or more cigarettes. This indicator is relevant because tobacco use is linked to leading causes of death such as cancer and cardiovascular disease.

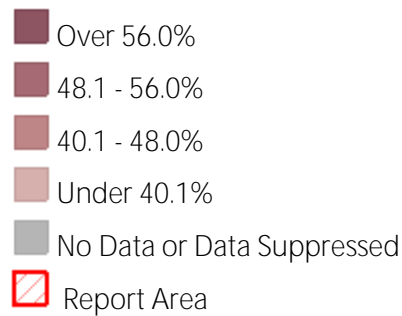
Report Area	Survey Population (Adults Age 18)	Total Adults Ever Smoking 100 or More Cigarettes	Percent Adults Ever Smoking 100 or More Cigarettes
Report Area	27,521	17,249	62.68%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	10,837	6,846	63.18%
Rowan County, KY	16,684	10,403	62.35%
Kentucky	3,267,380	1,747,341	53.48%
United States	235,151,778	103,842,020	44.16%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



Adults Age 18 Smoking > 99 Cigarettes (Ever), Percent by County, BRFSS 2011-12



### Tobacco Usage - Quit Attempt

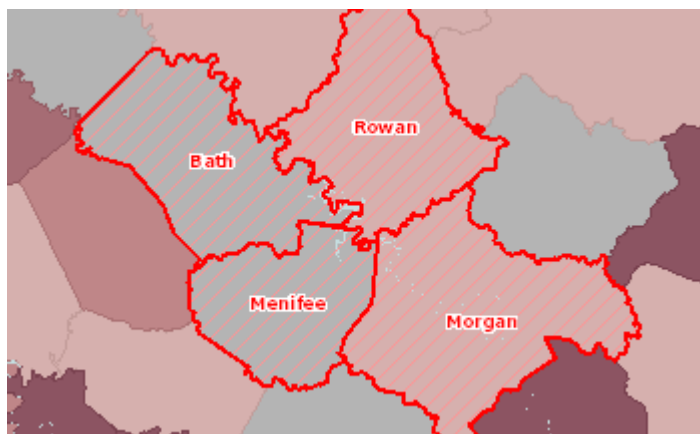
An estimated 49.62% of adult smokers in the report area attempted to quit smoking for at least 1 day in the past year. This indicator is relevant because tobacco use is linked to leading causes of death such as cancer and cardiovascular disease and supporting efforts to quit smoking may increase positive health outcomes.

Report Area	Survey Population (Smokers Age 18)	Total Smokers with Quit Attempt in Past 12 Months	Percent Smokers with Quit Attempt in Past 12 Months
Report Area	8,330	4,133	49.62%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	3,268	1,573	48.12%
Rowan County, KY	5,062	2,560	50.57%
Kentucky	932,684	506,412	54.30%
United States	45,526,654	27,323,073	60.02%

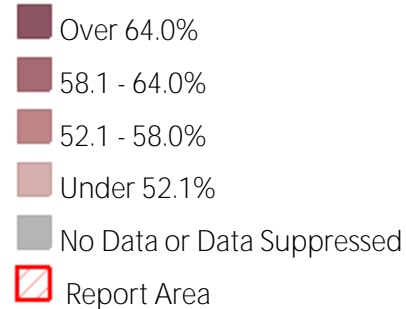
Percent Smokers with Quit Attempt in Past 12 Months



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



Smokers Who Quit / Attempted to Quit in Past 12 Months, Percent by County, BRFSS 2011-12

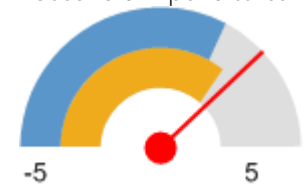


## Tobacco Expenditures

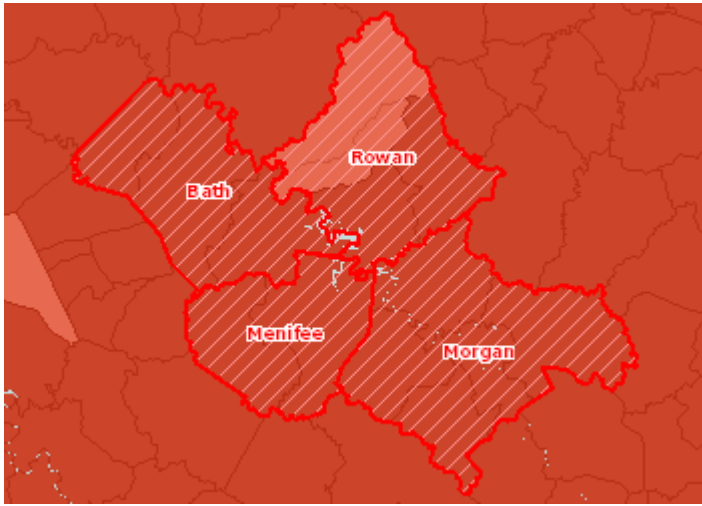
This indicator reports estimated expenditures for cigarettes, as a percentage of total household expenditures. This indicator is relevant because tobacco use is linked to leading causes of death such as cancer and cardiovascular disease.

Report Area	State Rank	Z-Score (US)	Z-Score (State)	Average Expenditures (USD)	Percentage of Food-At-Home Expenditures
Report Area	no data	1.45	0.4	\$1,162.78	2.57%
Bath County, KY	19	2	0.96	suppressed	suppressed
Menifee County, KY	7	2.3	1.28	suppressed	suppressed
Morgan County, KY	40	1.61	0.56	suppressed	suppressed
Rowan County, KY	78	1.02	-0.06	suppressed	suppressed
Kentucky	no data	0.8	0	\$1,020.11	2.18%
United States	no data	no data	no data	\$822.7	1.56%

Cigarette Expenditures, Percentage of Total Household Expenditures



Data Source: Nielsen, Nielsen SiteReports. 2014. Source geography: Tract



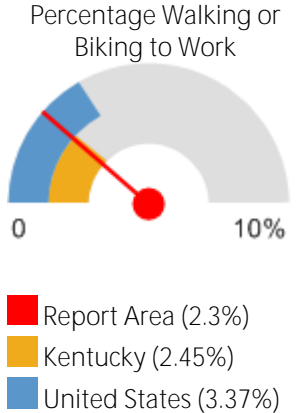
Cigarette Expenditures, Percent of Total Expenditures, National Rank by Tract, Nielsen 2014

- 1st Quintile (Highest Expenditures)
- 2nd Quintile
- 3rd Quintile
- 4th Quintile
- 5th Quintile (Lowest Expenditures)
- No Data or Data Suppressed
- Report Area

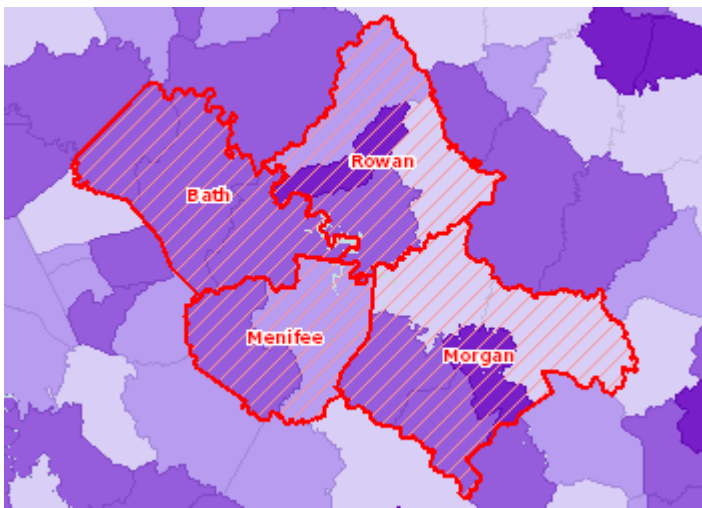
### Walking or Biking to Work

This indicator reports the percentage of the population that commutes to work by either walking or riding a bicycle.

Report Area	Population Age 16	Population Walking or Biking to Work	Percentage Walking or Biking to Work
Report Area	19,095	440	2.3%
Bath County, KY	3,879	87	2.24%
Menifee County, KY	2,035	20	0.98%
Morgan County, KY	3,799	88	2.32%
Rowan County, KY	9,382	245	2.61%
Kentucky	1,845,143	45,239	2.45%
United States	141,337,152	4,764,868	3.37%



Data Source: US Census Bureau, American Community Survey, 2010-14. Source geography: Tract



Workers Traveling to Work by Walking/Biking, Percent by Tract, ACS 2010-14

- Over 4.0%
- 1.1 - 4.0%
- 0.1 - 1.0%
- No Workers Walking or Biking
- No Data or Data Suppressed
- Report Area



## Health Outcomes

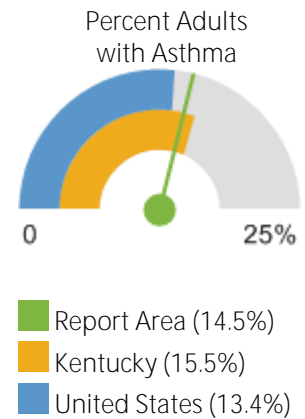
Measuring morbidity and mortality rates allows assessing linkages between social determinants of health and outcomes. By comparing, for example, the prevalence of certain chronic diseases to indicators in other categories (e.g., poor diet and exercise) with outcomes (e.g., high rates of obesity and diabetes), various causal relationships may emerge, allowing a better understanding of how certain community health needs may be addressed.

Health Outcomes Indicators		
Asthma Prevalence	High Blood Pressure (Medicare Population)	Mortality - Premature Death
Cancer Incidence - Breast	High Cholesterol (Adult)	Mortality - Stroke
Cancer Incidence - Cervical	High Cholesterol (Medicare Population)	Mortality - Suicide
Cancer Incidence - Colon and Rectum	Infant Mortality	Mortality - Unintentional Injury
Cancer Incidence - Lung	Low Birth Weight	Obesity
Cancer Incidence - Prostate	Mortality - Cancer	Overweight
Depression (Medicare Population)	Mortality - Heart Disease	Poor Dental Health
Diabetes (Adult)	Mortality - Homicide	Poor General Health
Diabetes (Medicare Population)	Mortality - Ischaemic Heart Disease	STI - Chlamydia Incidence
Heart Disease (Adult)	Mortality - Lung Disease	STI - Gonorrhoea Incidence
Heart Disease (Medicare Population)	Mortality - Motor Vehicle Accident	STI - HIV Prevalence
High Blood Pressure (Adult)	Mortality - Pedestrian Accident	

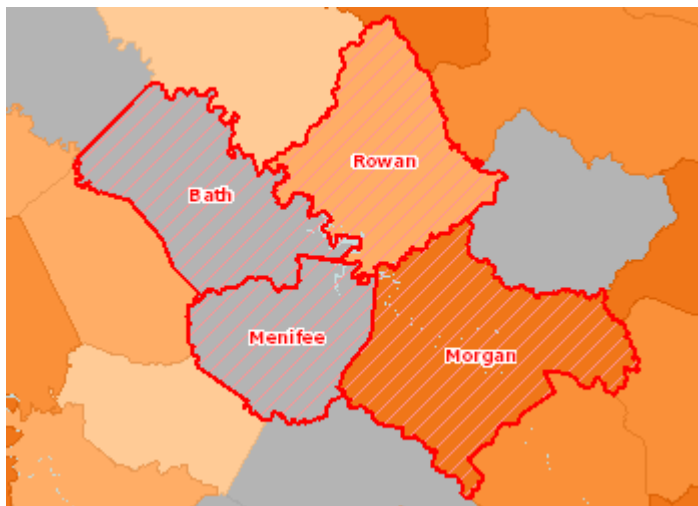
## Asthma Prevalence

This indicator reports the percentage of adults aged 18 and older who self-report that they have ever been told by a doctor, nurse, or other health professional that they had asthma. This indicator is relevant because asthma is a prevalent problem in the U.S. that is often exacerbated by poor environmental conditions.

Report Area	Survey Population (Adults Age 18 )	Total Adults with Asthma	Percent Adults with Asthma
Report Area	27,245	3,944	14.5%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	10,547	2,015	19.1%
Rowan County, KY	16,698	1,929	11.6%
Kentucky	3,308,269	513,969	15.5%
United States	237,197,465	31,697,608	13.4%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



## Cancer Incidence - Breast

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of females with breast cancer adjusted to 2000 U.S. standard population age groups (Under Age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

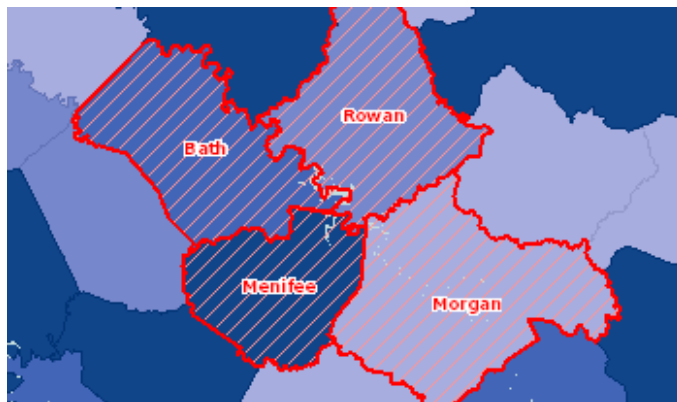
Report Area	Sample Population (Female)	New Cases (Annual Average)	Cancer Incidence Rate (Per 100,000 Pop.)
Report Area	3,171	36	113.51
Bath County, KY	700	9	128.4
Menifee County, KY	401	6	149.5
Morgan County, KY	821	7	85.2
Rowan County, KY	1,247	14	112.2
Kentucky	259,604	3,149	121.3
United States	17,902,845	220,205	123

Annual Breast Cancer Incidence Rate (Per 100,000 Pop.)



■ Report Area (113.51)  
■ Kentucky (121.3)  
■ United States (123)

Data Source: National Institutes of Health, National Cancer Institute, Surveillance, Epidemiology, and End Results Program. State Cancer Profiles. 2008-12. Source geography: County



Breast Cancer, Incidence Rate (Per 100,000 Pop.) by County, State Cancer Profiles 2008-12

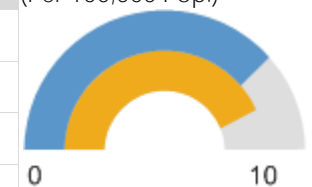
- Over 130.0
- 115.1 - 130.0
- 100.1 - 115.0
- 0.1 - 100.0
- Data Suppressed (<16 Cases)
- No Data
- Report Area

## Cancer Incidence - Cervical

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of females with cervical cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

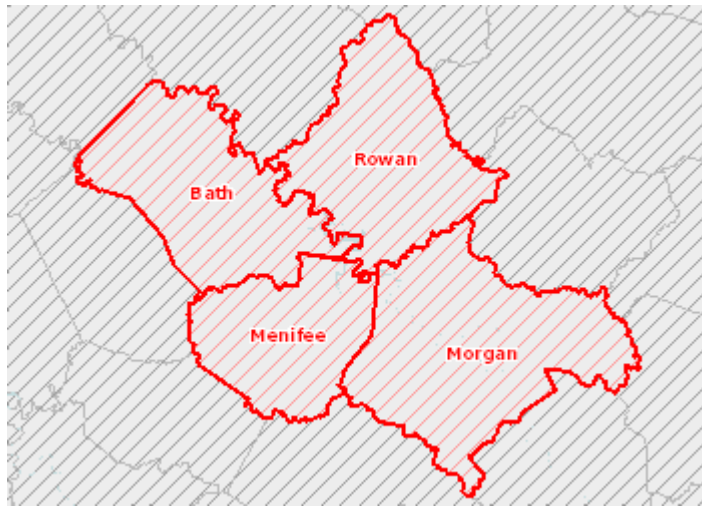
Report Area	Sample Population (Female)	New Cases (Annual Average)	Cancer Incidence Rate (Per 100,000 Pop.)
Report Area	no data	no data	no data
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	no data	no data	no data
Rowan County, KY	no data	no data	no data
Kentucky	228,735	199	8.7
United States	16,202,597	12,476	7.7
<a href="#">HP 2020 Target</a>			<= 7.1

Annual Cervical Cancer Incidence Rate (Per 100,000 Pop.)

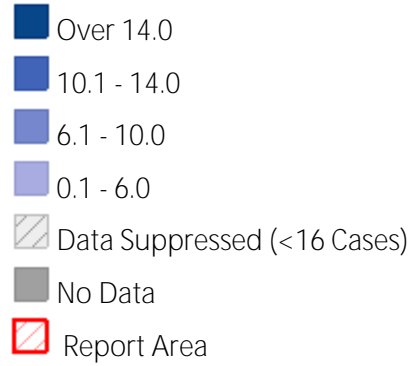


■ Kentucky (8.7)  
■ United States (7.7)

Data Source: National Institutes of Health, National Cancer Institute, Surveillance, Epidemiology, and End Results Program. State Cancer Profiles. 2008-12. Source geography: County



Cervical Cancer, Incidence Rate (Per 100,000 Pop.) by County, State Cancer Profiles 2008-12



### Cancer Incidence - Colon and Rectum

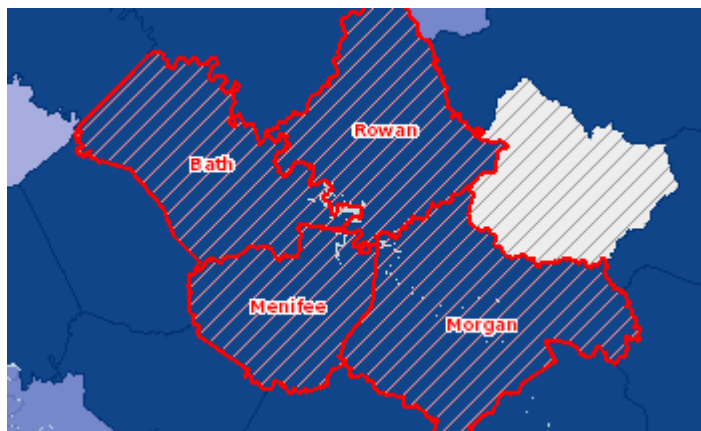
This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of colon and rectum cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

Report Area	Sample Population	New Cases (Annual Average)	Cancer Incidence Rate (Per 100,000 Pop.)
Report Area	5,926	36	60.74
Bath County, KY	1,372	8	58.3
Menifee County, KY	836	5	59.8
Morgan County, KY	1,477	10	67.7
Rowan County, KY	2,241	13	58
Kentucky	480,933	2,472	51.4
United States	33,516,229	140,433	41.9
<a href="#">HP 2020 Target</a>			<= 38.7

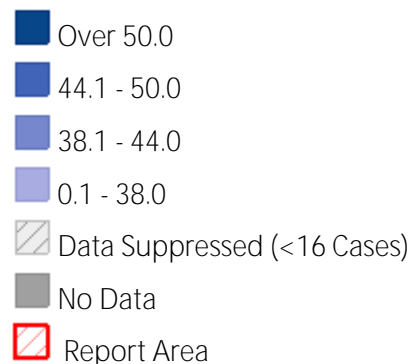
Annual Colon and Rectum Cancer Incidence Rate (Per 100,000 Pop.)



Data Source: National Institutes of Health, National Cancer Institute, Surveillance, Epidemiology, and End Results Program. State Cancer Profiles. 2008-12. Source geography: County



Colo-Rectal Cancer, Incidence Rate (Per 100,000 Pop.) by County, State Cancer Profiles 2008-12

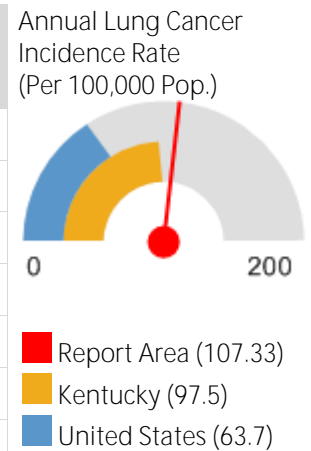




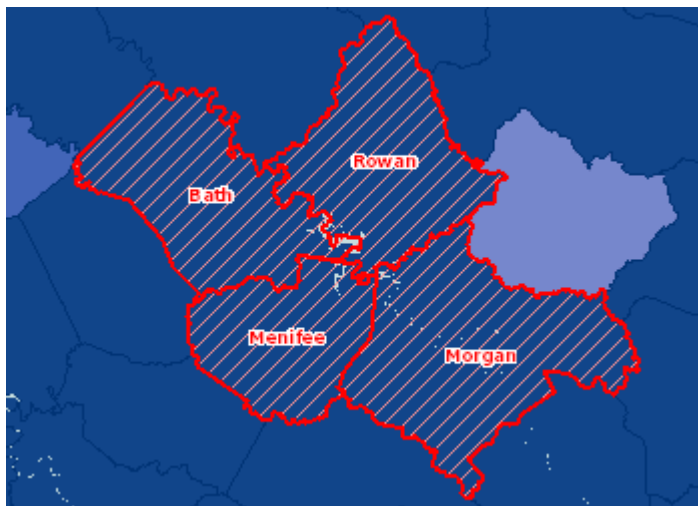
## Cancer Incidence - Lung

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of colon and rectum cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

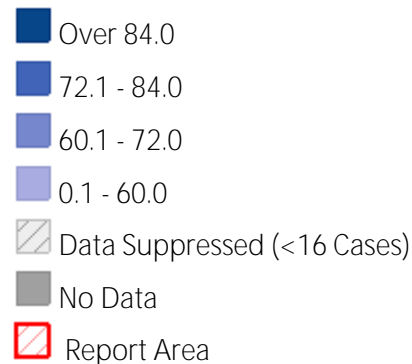
Report Area	Sample Population	New Cases (Annual Average)	Cancer Incidence Rate (Per 100,000 Pop.)
Report Area	6,149	66	107.33
Bath County, KY	1,418	16	112.8
Menifee County, KY	832	11	132.2
Morgan County, KY	1,577	16	101.4
Rowan County, KY	2,320	23	99.1
Kentucky	489,538	4,773	97.5
United States	33,565,463	213,812	63.7



Data Source: National Institutes of Health, National Cancer Institute, Surveillance, Epidemiology, and End Results Program. State Cancer Profiles. 2008-12. Source geography: County



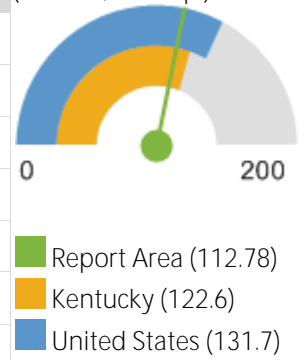
Lung Cancer, Incidence Rate (Per 100,000 Pop.) by County, State Cancer Profiles 2008-12



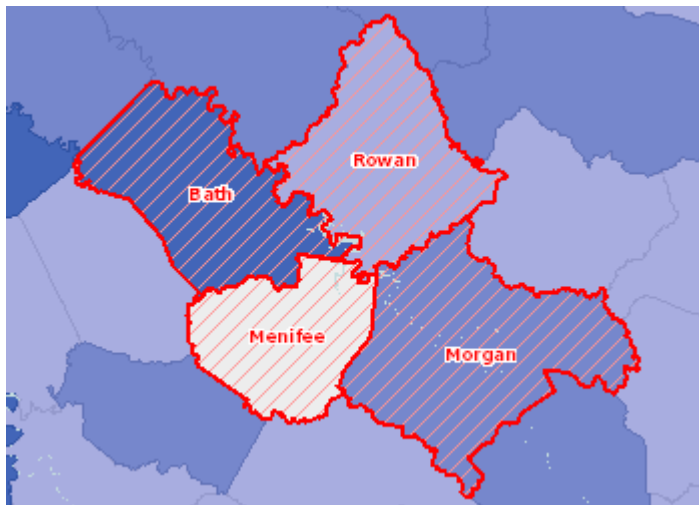
## Cancer Incidence - Prostate

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of males with prostate cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older). This indicator is relevant because cancer is a leading cause of death and it is important to identify cancers separately to better target interventions.

Report Area	Sample Population (Male)	New Cases (Annual Average)	Cancer Incidence Rate (Per 100,000 Pop.)	Annual Prostate Cancer Incidence Rate (Per 100,000 Pop.)
Report Area	2,482	28	112.78	
Bath County, KY	663	9	135.6	
Menifee County, KY	no data	no data	no data	
Morgan County, KY	688	8	116.2	
Rowan County, KY	1,130	11	97.3	
Kentucky	231,239	2,835	122.6	
United States	15,967,881	210,297	131.7	



Data Source: National Institutes of Health, National Cancer Institute, Surveillance, Epidemiology, and End Results Program. State Cancer Profiles. 2008-12. Source geography: County



Prostate Cancer, Incidence Rate (Per 100,000 Pop.) by County, State Cancer Profiles 2008-12

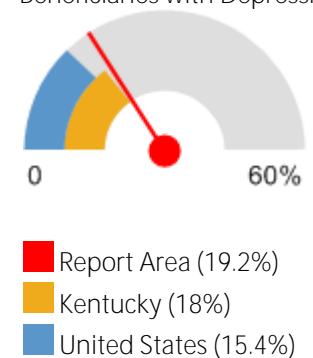
- Over 150.0
- 130.1 - 150.0
- 110.1 - 130.0
- 0.1 - 110.0
- Data Suppressed (<16 Cases)
- No Data
- Report Area

## Depression (Medicare Population)

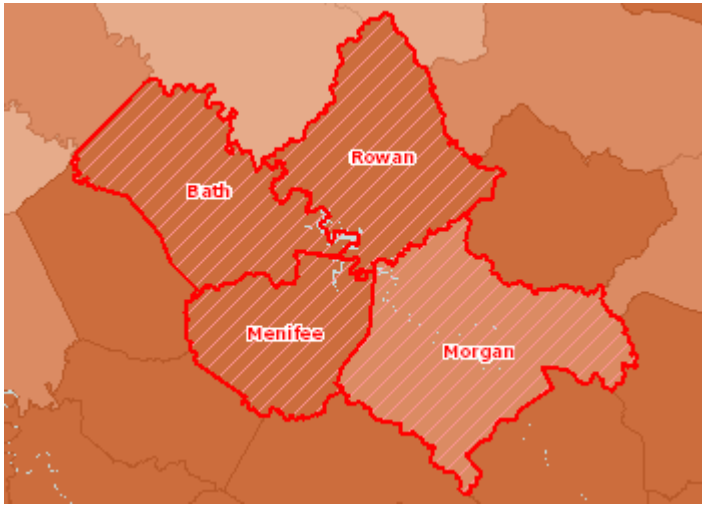
This indicator reports the percentage of the Medicare fee-for-service population with depression.

Report Area	Total Medicare Beneficiaries	Beneficiaries with Depression	Percent with Depression
Report Area	7,792	1,493	19.2%
Bath County, KY	1,687	317	18.8%
Menifee County, KY	1,184	215	18.2%
Morgan County, KY	1,946	325	16.7%
Rowan County, KY	2,975	636	21.4%
Kentucky	641,129	115,667	18%
United States	34,126,305	5,271,176	15.4%

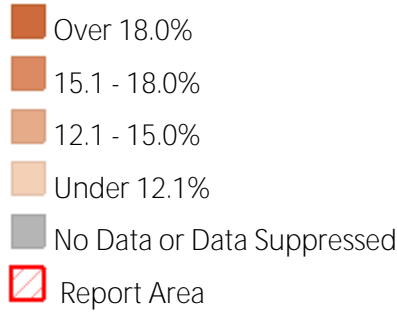
Percentage of Medicare Beneficiaries with Depression



Data Source: Centers for Medicare and Medicaid Services. 2012. Source geography: County



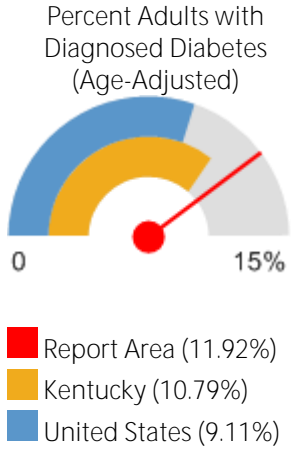
Beneficiaries with Depression, Percent by County, CMS 2012



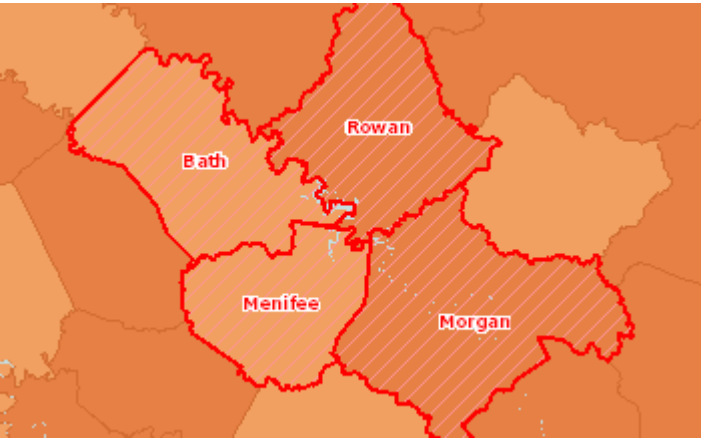
### Diabetes (Adult)

This indicator reports the percentage of adults aged 20 and older who have ever been told by a doctor that they have diabetes. This indicator is relevant because diabetes is a prevalent problem in the U.S.; it may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

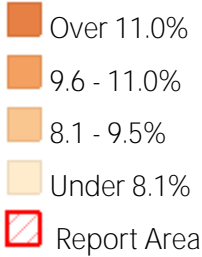
Report Area	Total Population Age 20	Population with Diagnosed Diabetes	Population with Diagnosed Diabetes, Crude Rate	Population with Diagnosed Diabetes, Age-Adjusted Rate
Report Area	41,388	5,275	12.75	11.92%
Bath County, KY	8,624	1,078	12.5	10.9%
Menifee County, KY	4,762	600	12.6	10.7%
Morgan County, KY	10,590	1,525	14.4	13.6%
Rowan County, KY	17,412	2,072	11.9	11.8%
Kentucky	3,250,667	383,077	11.78	10.79%
United States	234,058,710	23,059,940	9.85	9.11%



Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2012. Source geography: County



Diabetes Prevalence, Percent of Adults Age 20 by County, CDC NCCDPHP 2012



## Diabetes (Medicare Population)

This indicator reports the percentage of the Medicare fee-for-service population with diabetes.

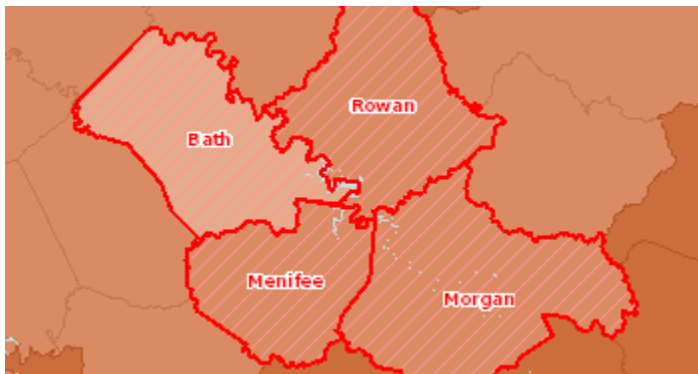
Report Area	Total Medicare Beneficiaries	Beneficiaries with Diabetes	Percent with Diabetes
Report Area	7,792	2,201	28.25%
Bath County, KY	1,687	452	26.79%
Menifee County, KY	1,184	331	27.96%
Morgan County, KY	1,946	547	28.11%
Rowan County, KY	2,975	871	29.28%
Kentucky	641,129	182,952	28.54%
United States	34,126,305	9,224,278	27.03%

Percentage of Medicare Beneficiaries with Diabetes



■ Report Area (28.25%)  
■ Kentucky (28.54%)  
■ United States (27.03%)

Data Source: Centers for Medicare and Medicaid Services. 2012. Source geography: County



Beneficiaries with Diabetes, Percent by County, CMS 2012

■ Over 30.0%  
■ 27.1 - 30.0%  
■ 24.1 - 27.0%  
■ Under 24.1%  
■ No Data or Data Suppressed  
 Report Area

## Heart Disease (Adult)

2,248, or 8.2% of adults aged 18 and older have ever been told by a doctor that they have coronary heart disease or angina. This indicator is relevant because coronary heart disease is a leading cause of death in the U.S. and is also related to high blood pressure, high cholesterol, and heart attacks.

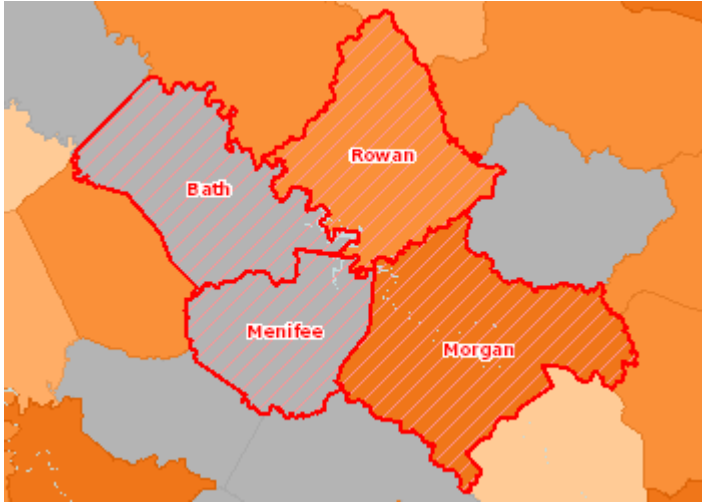
Report Area	Survey Population (Adults Age 18)	Total Adults with Heart Disease	Percent Adults with Heart Disease
Report Area	27,366	2,248	8.2%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	10,781	1,170	10.8%
Rowan County, KY	16,585	1,078	6.5%
Kentucky	3,286,020	194,665	5.9%
United States	236,406,904	10,407,185	4.4%

Percent Adults with Heart Disease

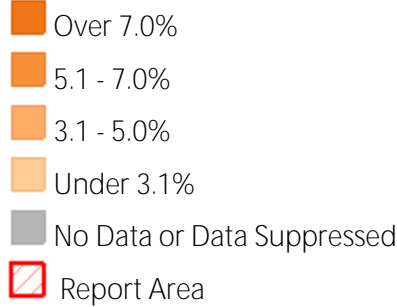


■ Report Area (8.2%)  
■ Kentucky (5.9%)  
■ United States (4.4%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



Heart Disease (Diagnosed), Percent of Adults Age 18 by County, BRFSS 2011-12

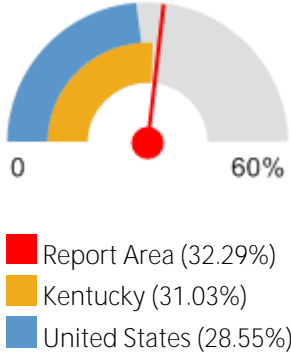


### Heart Disease (Medicare Population)

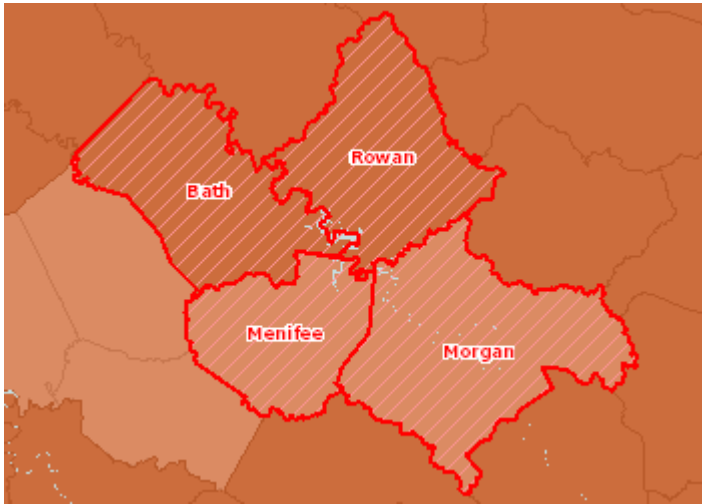
This indicator reports the percentage of the Medicare fee-for-service population with ischaemic heart disease.

Report Area	Total Medicare Beneficiaries	Beneficiaries with Heart Disease	Percent with Heart Disease
Report Area	7,792	2,516	32.29%
Bath County, KY	1,687	555	32.9%
Menifee County, KY	1,184	361	30.49%
Morgan County, KY	1,946	606	31.14%
Rowan County, KY	2,975	994	33.41%
Kentucky	641,129	198,925	31.03%
United States	34,126,305	9,744,058	28.55%

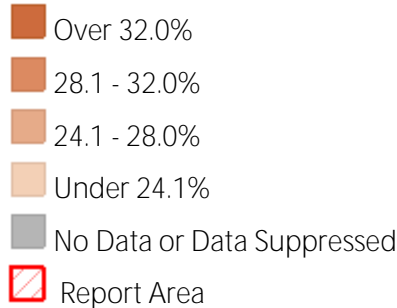
Percentage of Medicare Beneficiaries with Heart Disease



Data Source: Centers for Medicare and Medicaid Services. 2012. Source geography: County



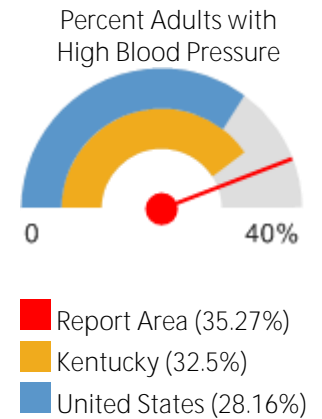
Beneficiaries with Ischemic Heart Disease, Percent by County, CMS 2012



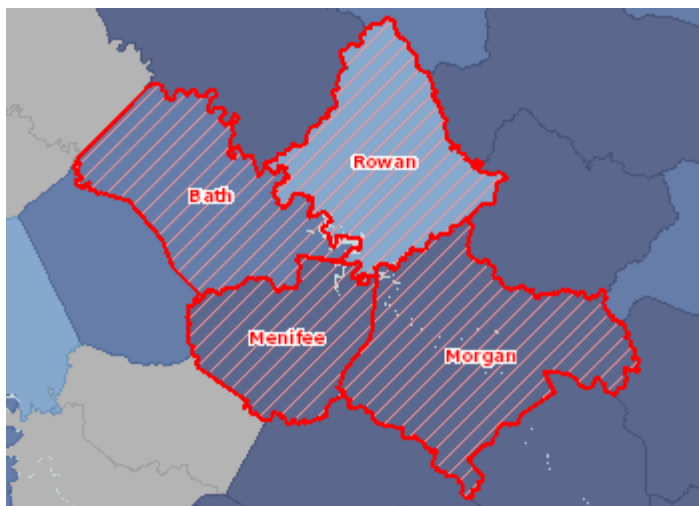
## High Blood Pressure (Adult)

15,297, or 35.27% of adults aged 18 and older have ever been told by a doctor that they have high blood pressure or hypertension.

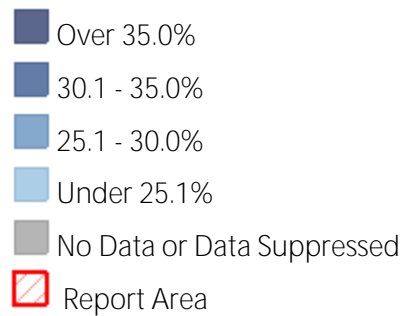
Report Area	Total Population (Age 18 )	Total Adults with High Blood Pressure	Percent Adults with High Blood Pressure
Report Area	43,369	15,297	35.27%
Bath County, KY	8,716	2,929	33.6%
Menifee County, KY	4,911	2,171	44.2%
Morgan County, KY	11,118	4,647	41.8%
Rowan County, KY	18,624	5,550	29.8%
Kentucky	3,294,652	1,070,762	32.5%
United States	232,556,016	65,476,522	28.16%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-12. Source geography: County



High Blood Pressure, Percent of Adults Age 18 by County, BRFSS 2006-12



## High Blood Pressure (Medicare Population)

This indicator reports the percentage of the Medicare fee-for-service population with hypertension (high blood pressure).

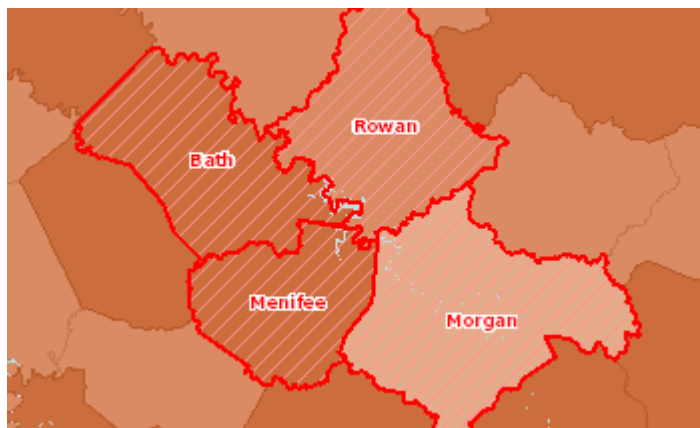
Report Area	Total Medicare Beneficiaries	Beneficiaries with High Blood Pressure	Percent with High Blood Pressure
Report Area	7,792	4,414	56.65%
Bath County, KY	1,687	1,023	60.64%
Menifee County, KY	1,184	716	60.47%
Morgan County, KY	1,946	998	51.28%
Rowan County, KY	2,975	1,677	56.37%
Kentucky	641,129	380,969	59.42%
United States	34,126,305	18,936,118	55.49%

Percentage of Medicare Beneficiaries with High Blood Pressure

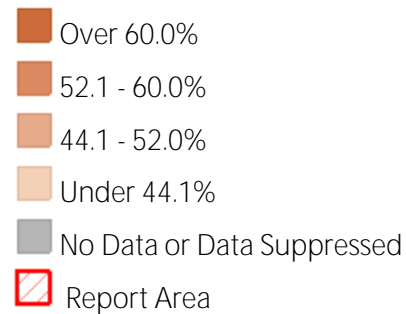


■ Report Area (56.65%)  
■ Kentucky (59.42%)  
■ United States (55.49%)

Data Source: Centers for Medicare and Medicaid Services. 2012. Source geography: County



Beneficiaries with High Blood Pressure, Percent by County, CMS 2012



## High Cholesterol (Adult)

This indicator reports the percentage of adults aged 18 and older who self-report that they have ever been told by a doctor, nurse, or other health professional that they had high blood cholesterol.

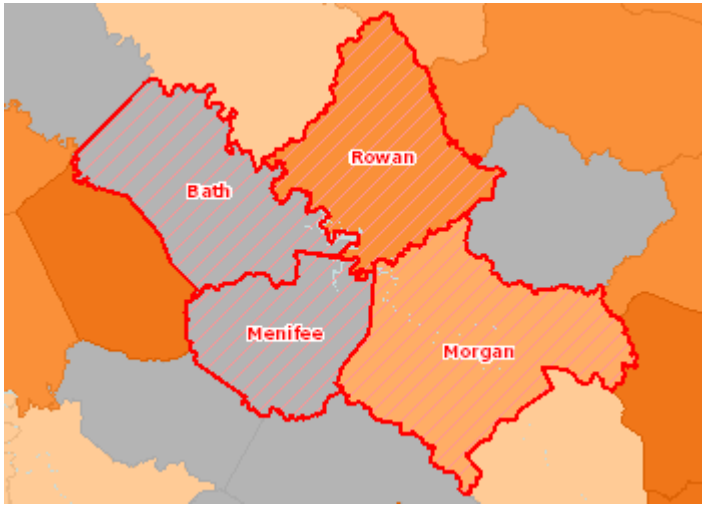
Report Area	Survey Population (Adults Age 18)	Total Adults with High Cholesterol	Percent Adults with High Cholesterol
Report Area	22,828	9,890	43.32%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	9,570	3,948	41.24%
Rowan County, KY	13,258	5,942	44.82%
Kentucky	2,556,032	1,055,799	41.31%
United States	180,861,326	69,662,357	38.52%

Percent Adults with High Cholesterol

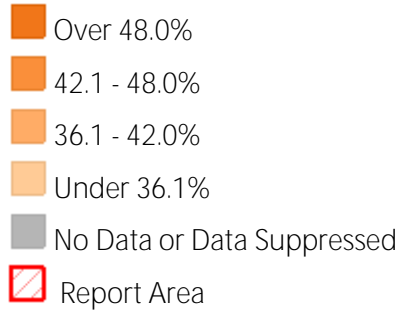


■ Report Area (43.32%)  
■ Kentucky (41.31%)  
■ United States (38.52%)

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



High Cholesterol (Diagnosed), Percent of Adults Age 18 by County, BRFSS 2011-12

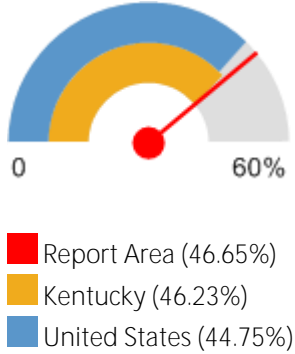


### High Cholesterol (Medicare Population)

This indicator reports the percentage of the Medicare fee-for-service population with hyperlipidemia, which is typically associated with high cholesterol.

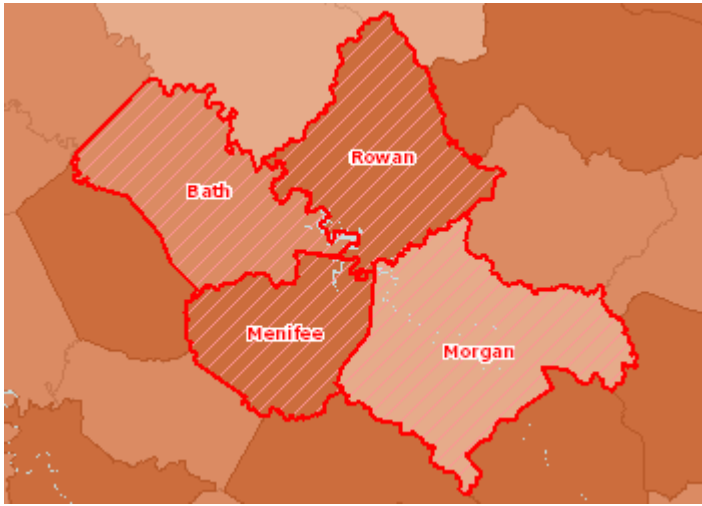
Report Area	Total Medicare Beneficiaries	Beneficiaries with High Cholesterol	Percent with High Cholesterol
Report Area	7,792	3,635	46.65%
Bath County, KY	1,687	781	46.3%
Menifee County, KY	1,184	598	50.51%
Morgan County, KY	1,946	769	39.52%
Rowan County, KY	2,975	1,487	49.98%
Kentucky	641,129	296,376	46.23%
United States	34,126,305	15,273,052	44.75%

Percentage of Medicare Beneficiaries with High Cholesterol

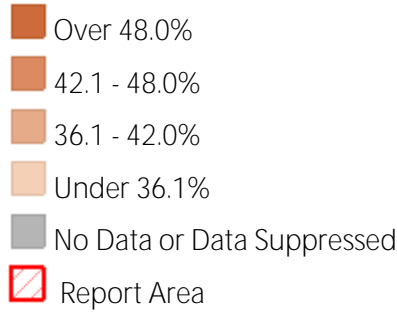


Data Source: Centers for Medicare and Medicaid Services. 2012. Source geography: County





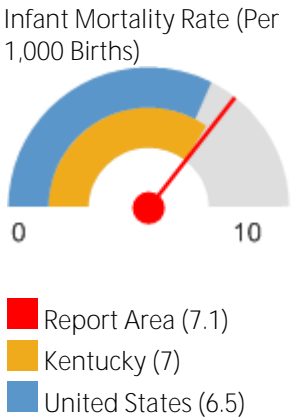
Beneficiaries with High Cholesterol, Percent by County, CMS 2012



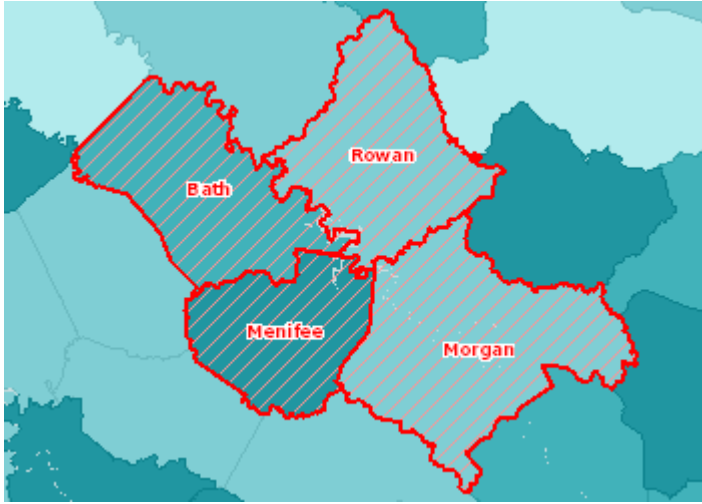
### Infant Mortality

This indicator reports the rate of deaths to infants less than one year of age per 1,000 births. This indicator is relevant because high rates of infant mortality indicate the existence of broader issues pertaining to access to care and maternal and child health.

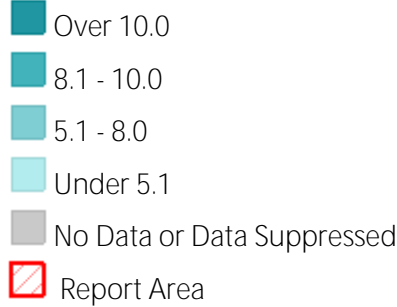
Report Area	Total Births	Total Infant Deaths	Infant Mortality Rate (Per 1,000 Births)
Report Area	3,250	23	7.1
Bath County, KY	800	7	8.4
Menifee County, KY	365	4	11.1
Morgan County, KY	725	4	5.2
Rowan County, KY	1,360	8	5.7
Kentucky	285,390	1,998	7
United States	20,913,535	136,369	6.5
<a href="#">HP 2020 Target</a>			<= 6.0



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. Centers for Disease Control and Prevention, Wide-Ranging Online Data for Epidemiologic Research. 2006-10. Source geography: County



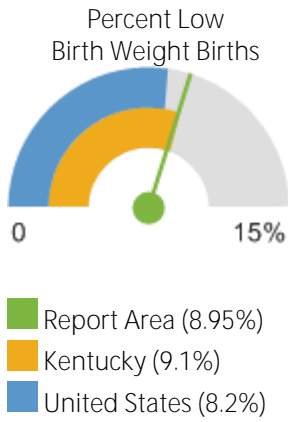
Infant Mortality, Rate (Per 1,000 Live Births) by County, AHRF 2006-10



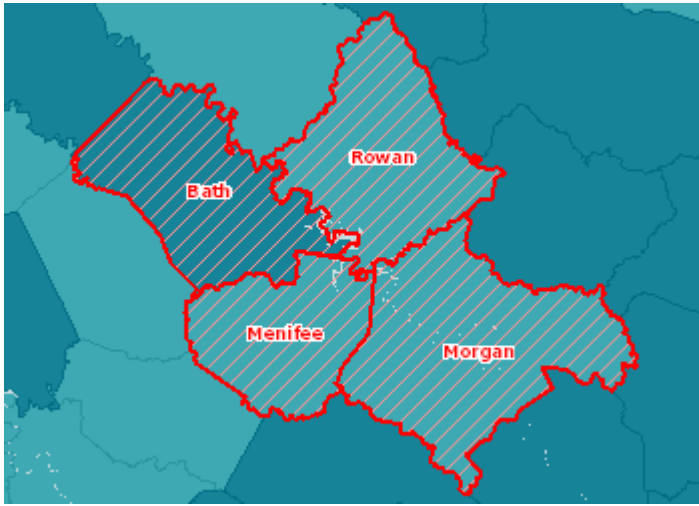
### Low Birth Weight

This indicator reports the percentage of total births that are low birth weight (Under 2500g). This indicator is relevant because low birth weight infants are at high risk for health problems. This indicator can also highlight the existence of health disparities.

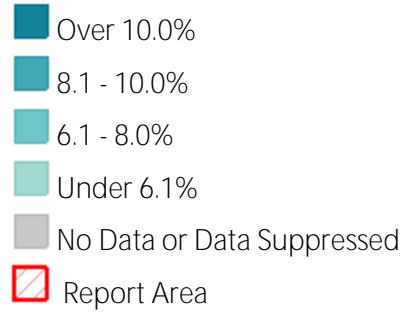
Report Area	Total Live Births	Low Weight Births (Under 2500g)	Low Weight Births, Percent of Total
Report Area	4,683	419	8.95%
Bath County, KY	1,155	119	10.3%
Menifee County, KY	525	52	9.9%
Morgan County, KY	1,106	92	8.3%
Rowan County, KY	1,897	156	8.2%
Kentucky	400,946	36,486	9.1%
United States	29,300,495	2,402,641	8.2%
<a href="#">HP 2020 Target</a>			<= 7.8%



Data Source: US Department of Health Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2006-12. Source geography: County



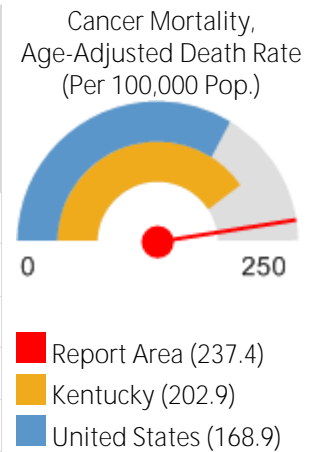
Low Birth Weight, Percent of Live Births by County, NVSS 2006-12



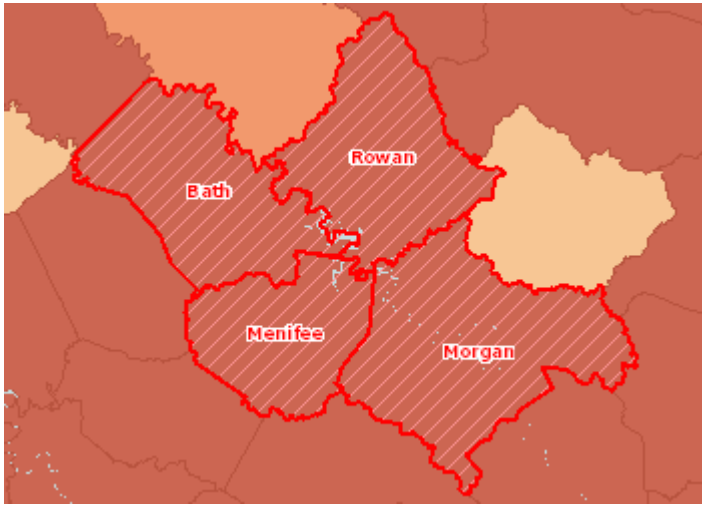
### Mortality - Cancer

This indicator reports the rate of death due to malignant neoplasm (cancer) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because cancer is a leading cause of death in the United States.

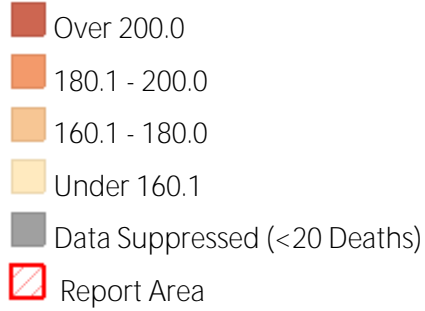
Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	143	258.5	237.4
Bath County, KY	11,728	33	284.8	238.6
Menifee County, KY	6,290	19	295.7	236.6
Morgan County, KY	13,768	36	264.4	241.7
Rowan County, KY	23,446	54	232	234.5
Kentucky	4,360,301	9,879	226.6	202.9
United States	311,430,373	577,313	185.4	168.9
<a href="#">HP 2020 Target</a>				<= 160.6



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



Cancer Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13

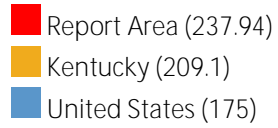
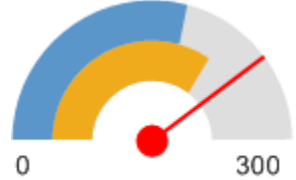


Mortality - Heart Disease

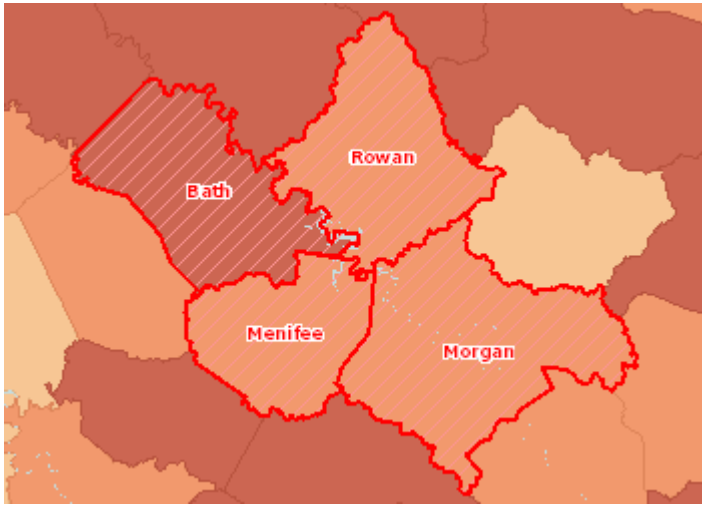
Within the report area the rate of death due to coronary heart disease per 100,000 population is 237.94. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because heart disease is a leading cause of death in the United States.

Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	135	244.79	237.94
Bath County, KY	11,728	38	322.31	294.6
Menifee County, KY	6,290	16	260.75	223.1
Morgan County, KY	13,768	33	242.58	232.3
Rowan County, KY	23,446	48	203.02	216.9
Kentucky	4,360,301	9,858	226.09	209.1
United States	311,430,373	600,899	192.95	175

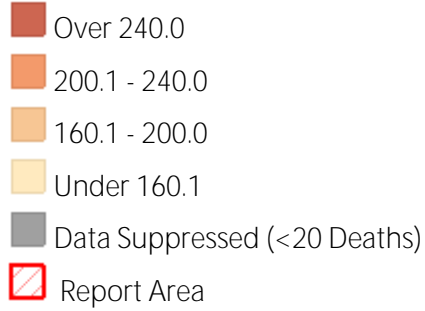
Heart Disease Mortality, Age-Adjusted Death Rate (Per 100,000 Pop.)



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



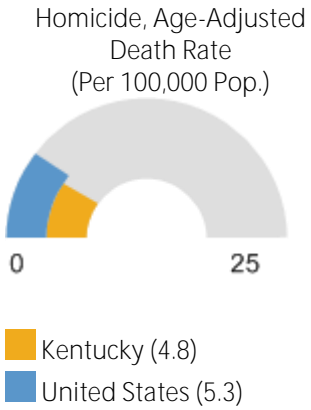
Heart Disease Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13



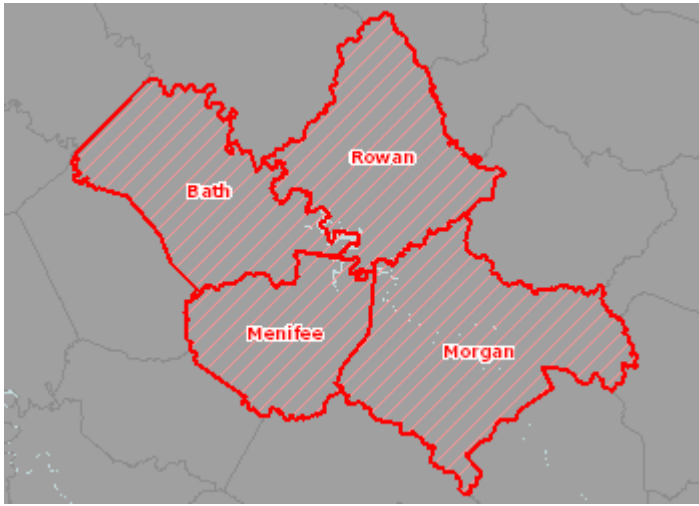
### Mortality - Homicide

This indicator reports the rate of death due to assault (homicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because homicide rate is a measure of poor community safety and is a leading cause of premature death.

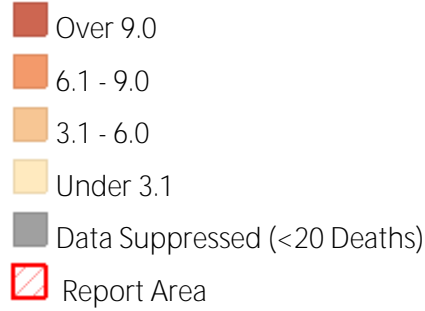
Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	0	no data	no data
Bath County, KY	11,728	0	no data	no data
Menifee County, KY	6,290	0	no data	no data
Morgan County, KY	13,768	0	no data	no data
Rowan County, KY	23,446	0	no data	no data
Kentucky	4,360,301	207	4.8	4.8
United States	311,430,373	16,421	5.3	5.3
<a href="#">HP 2020 Target</a>				<= 5.5



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



Homicide Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13

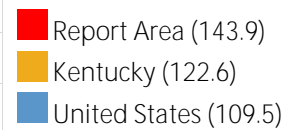
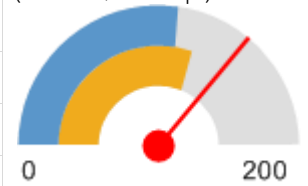


### Mortality - Ischaemic Heart Disease

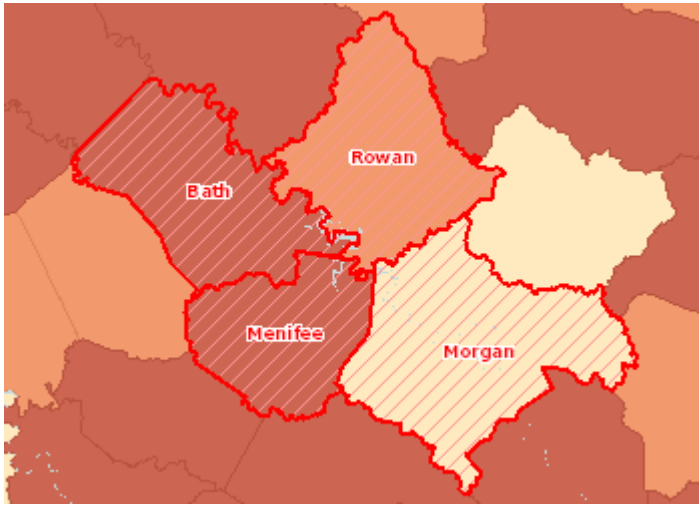
Within the report area the rate of death due to coronary heart disease per 100,000 population is 143.9. This rate is greater than than the Healthy People 2020 target of less than or equal to 103.4. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because heart disease is a leading cause of death in the United States.

Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	82	149.2	143.9
Bath County, KY	11,728	26	223.4	201.7
Menifee County, KY	6,290	12	190.8	160.8
Morgan County, KY	13,768	14	98.8	95.2
Rowan County, KY	23,446	31	130.5	139
Kentucky	4,360,301	5,823	133.5	122.6
United States	311,430,373	376,572	120.9	109.5
<a href="#">HP 2020 Target</a>				<= 103.4

Coronary Heart Disease Mortality, Age-Adjusted Death Rate (Per 100,000 Pop.)



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



Ischaemic Heart Disease Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13



### Mortality - Lung Disease

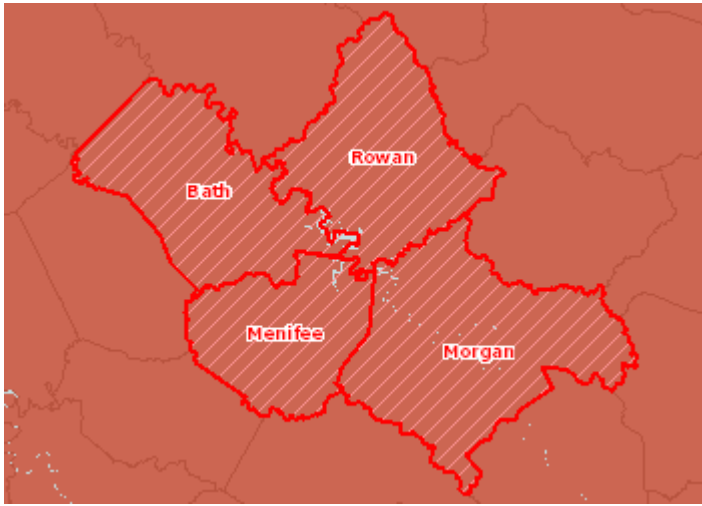
This indicator reports the rate of death due to chronic lower respiratory disease per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because lung disease is a leading cause of death in the United States.

Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	44	79.3	74.21
Bath County, KY	11,728	9	80.15	67.9
Menifee County, KY	6,290	4	63.6	50.7
Morgan County, KY	13,768	12	85.7	77.9
Rowan County, KY	23,446	19	79.33	81.5
Kentucky	4,360,301	2,988	68.53	63.1
United States	311,430,373	142,214	45.66	42.2

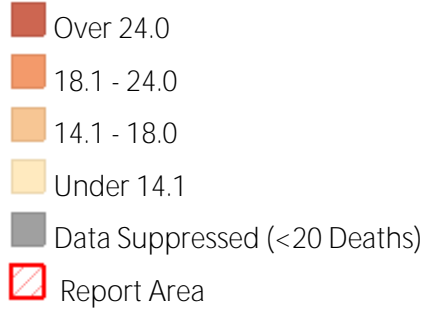
Lung Disease Mortality, Age-Adjusted Death Rate (Per 100,000 Pop.)



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



Lung Disease Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13

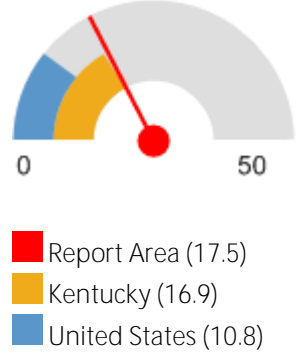


Mortality - Motor Vehicle Accident

This indicator reports the rate of death due to motor vehicle crashes per 100,000 population, which include collisions with another motor vehicle, a nonmotorist, a fixed object, and a non-fixed object, an overturn, and any other non-collision. This indicator is relevant because motor vehicle crash deaths are preventable and they are a cause of premature death.

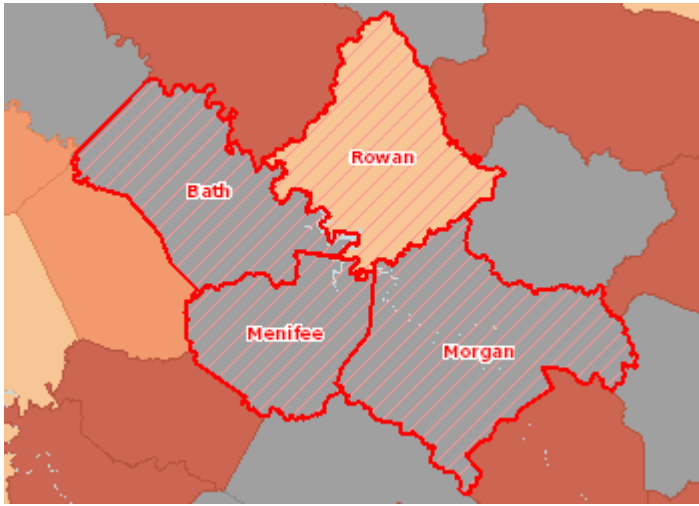
Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	10	21.2	17.5
Bath County, KY	11,728	3	29	no data
Menifee County, KY	6,290	0	no data	no data
Morgan County, KY	13,768	3	21.8	no data
Rowan County, KY	23,446	4	17.1	17.5
Kentucky	4,360,301	744	17.1	16.9
United States	311,430,373	34,139	11	10.8

Motor Vehicle Crash Death, Age-Adjusted Death Rate (Per 100,000 Pop.)

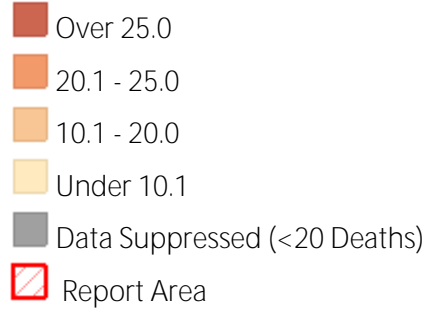


Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County





Motor Vehicle Accident Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13

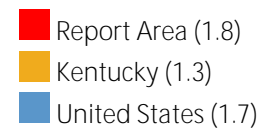
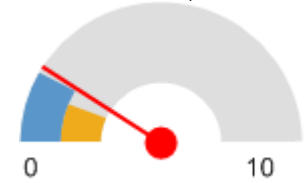


### Mortality - Pedestrian Accident

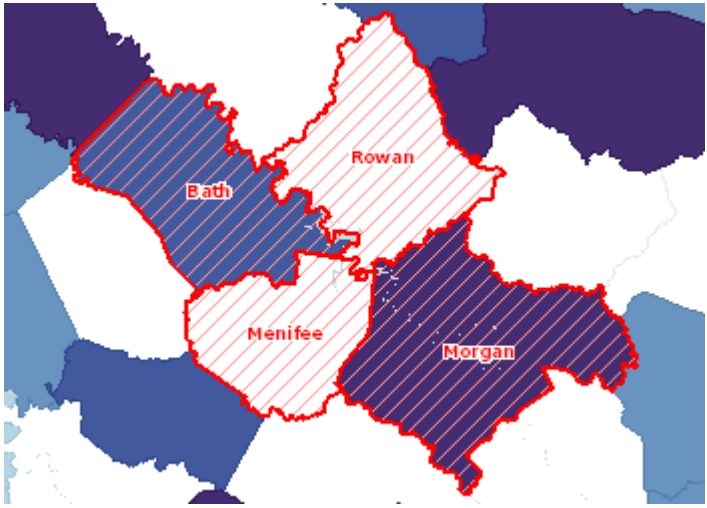
This indicator reports the crude rate of pedestrians killed by motor vehicles per 100,000 population. This indicator is relevant because pedestrian-motor vehicle crash deaths are preventable and they are a cause of premature death.

Report Area	Total Population (2010)	Total Pedestrian Deaths, 2011-2013	Average Annual Deaths, Rate per 100,000 Pop.
Report Area	55,153	3	1.8
Bath County, KY	11,591	1	2.9
Menifee County, KY	6,306	0	0
Morgan County, KY	13,923	2	4.8
Rowan County, KY	23,333	0	0
Kentucky	4,339,367	173	1.3
United States	312,732,537	15,591	1.7
<a href="#">HP 2020 Target</a>			<= 1.3

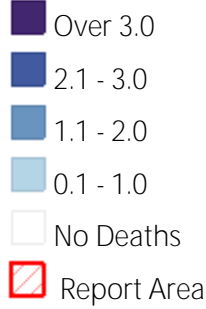
Pedestrian Motor Vehicle Mortality, Age-Adjusted Death Rate (Per 100,000 Pop.)



Data Source: US Department of Transportation, National Highway Traffic Safety Administration, Fatality Analysis Reporting System. 2011-13. Source geography: County



Pedestrian Motor Vehicle Crash Mortality, Rate (Per 100,000 Pop.) by County, NHTSA 2011-13

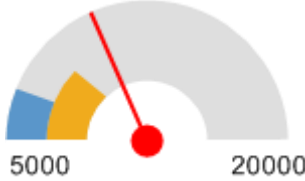


### Mortality - Premature Death

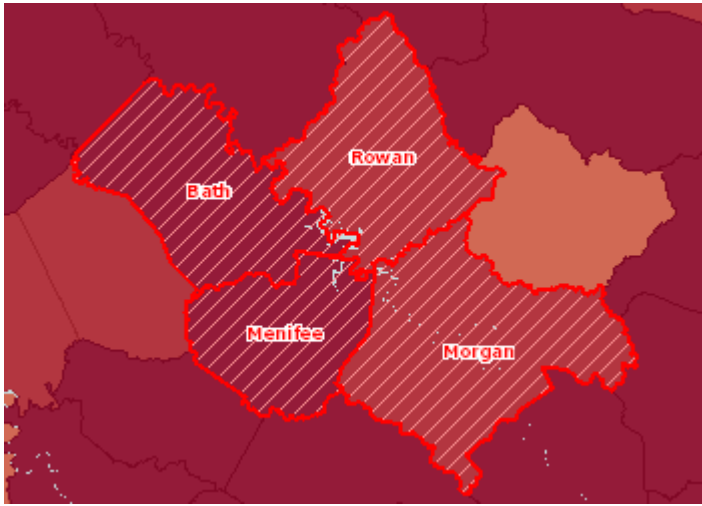
This indicator reports Years of Potential Life Lost (YPLL) before age 75 per 100,000 population for all causes of death, age-adjusted to the 2000 standard. YPLL measures premature death and is calculated by subtracting the age of death from the 75 year benchmark. This indicator is relevant because a measure of premature death can provide a unique and comprehensive look at overall health status.

Report Area	Total Population, 2008-2010 Average	Total Premature Deaths, 2008-2010 Average	Total Years of Potential Life Lost, 2008-2010 Average	Years of Potential Life Lost, Rate per 100,000 Population
Report Area	55,584	300	5,849	10,523
Bath County, KY	11,742	73	1,536	13,080
Menifee County, KY	6,317	43	898	14,212
Morgan County, KY	13,943	74	1,292	9,264
Rowan County, KY	23,582	110	2,124	9,005
Kentucky	4,369,356	20,416	383,442	8,776
United States	311,616,188	1,074,667	21,327,690	6,851

Years of Potential Life Lost, Rate per 100,000 Population



Data Source: University of Wisconsin Population Health Institute, County Health Rankings. Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2008-10. Source geography: County



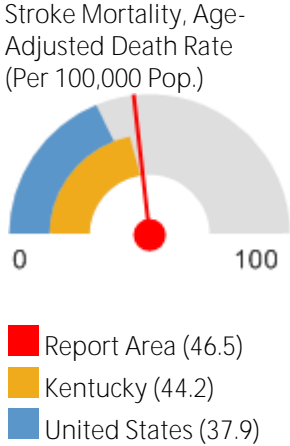
Premature Death, Years Lost Rate (Per 100,000 Pop.) by County, CHR 2008-10

- Over 10,000
- 8,001 - 10,000
- 6,001 - 8,000
- Under 6,001
- No Data or Data Suppressed
- Report Area

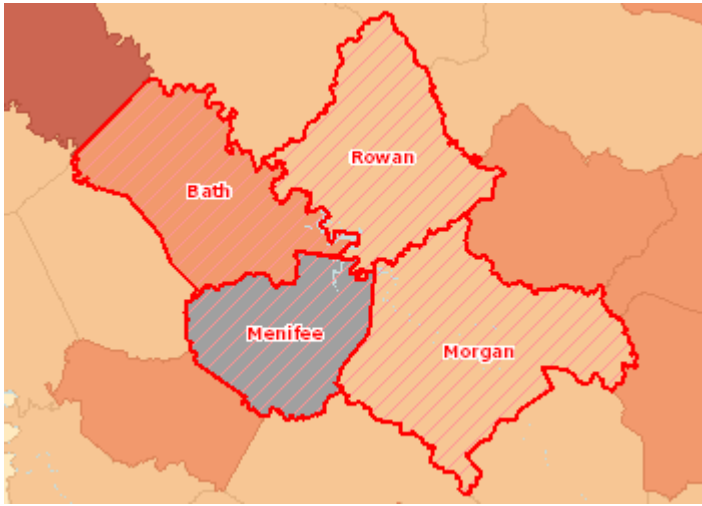
### Mortality - Stroke

Within the report area there are an estimated 46.5 deaths due to cerebrovascular disease (stroke) per 100,000 population. This is greater than than the Healthy People 2020 target of less than or equal to 33.8. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because stroke is a leading cause of death in the United States.

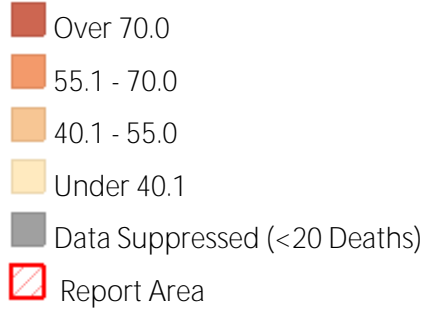
Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	26	47.4	46.5
Bath County, KY	11,728	7	61.4	56.2
Menfee County, KY	6,290	4	60.4	no data
Morgan County, KY	13,768	6	40.7	40.3
Rowan County, KY	23,446	10	40.9	45.2
Kentucky	4,360,301	2,037	46.7	44.2
United States	311,430,373	128,955	41.4	37.9
<a href="#">HP 2020 Target</a>				<= 33.8



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



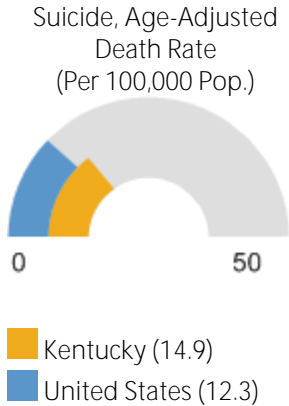
Stroke Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13



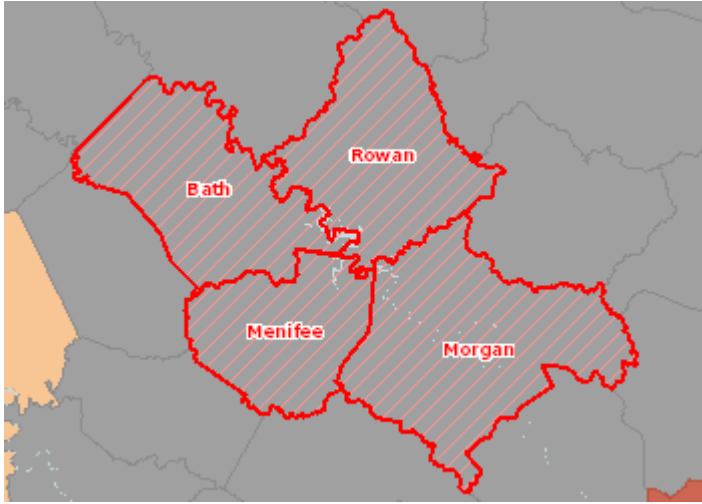
Mortality - Suicide

This indicator reports the rate of death due to intentional self-harm (suicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because suicide is an indicator of poor mental health.

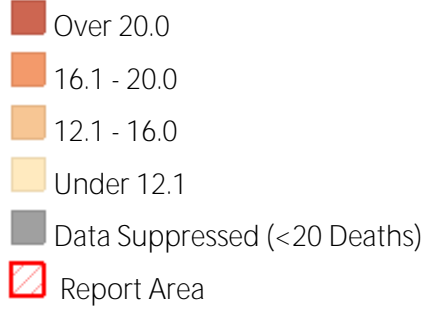
Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	7	13.5	no data
Bath County, KY	11,728	2	20.5	no data
Menifee County, KY	6,290	0	no data	no data
Morgan County, KY	13,768	2	16	no data
Rowan County, KY	23,446	2	8.5	no data
Kentucky	4,360,301	665	15.2	14.9
United States	311,430,373	39,308	12.6	12.3
<a href="#">HP 2020 Target</a>				<= 10.2



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



Suicide Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13

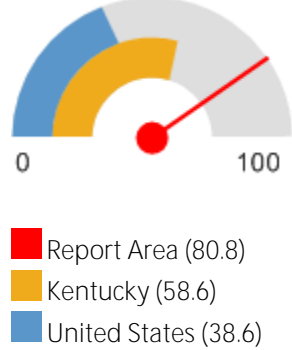


**Mortality - Unintentional Injury**

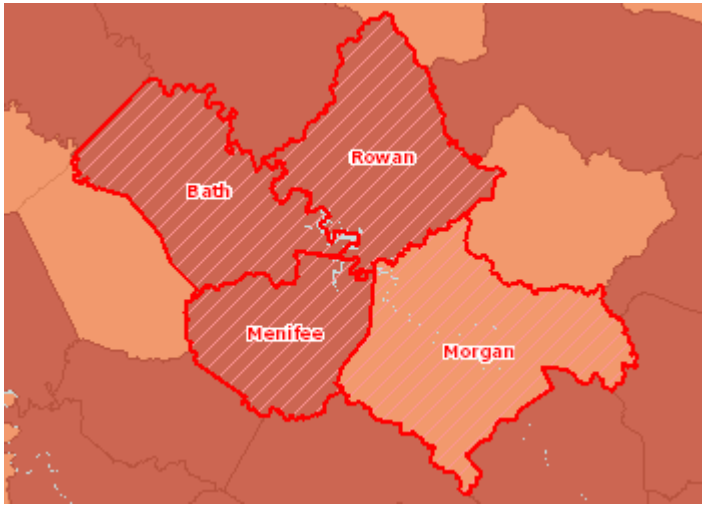
This indicator reports the rate of death due to unintentional injury (accident) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because accidents are a leading cause of death in the U.S.

Report Area	Total Population	Average Annual Deaths, 2007-2011	Crude Death Rate (Per 100,000 Pop.)	Age-Adjusted Death Rate (Per 100,000 Pop.)
Report Area	55,232	43	77.49	80.8
Bath County, KY	11,728	10	85.27	89.3
Menifee County, KY	6,290	6	101.76	100.5
Morgan County, KY	13,768	9	66.82	66.1
Rowan County, KY	23,446	17	73.36	79.9
Kentucky	4,360,301	2,578	59.12	58.6
United States	311,430,373	124,733	40.05	38.6
<a href="#">HP 2020 Target</a>				<= 36.0

Unintentional Injury (Accident) Mortality, Age-Adjusted Death Rate (Per 100,000 Pop.)



Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. 2009-13. Source geography: County



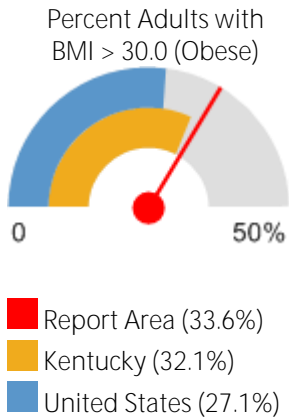
**Unintentional Injury (Accident) Mortality, Age Adj. Rate (Per 100,000 Pop.) by County, NVSS 2009-13**

- Over 70.0
- 50.1 - 70.0
- 40.1 - 50.0
- Under 40.1
- Data Suppressed (<20 Deaths)
- Report Area

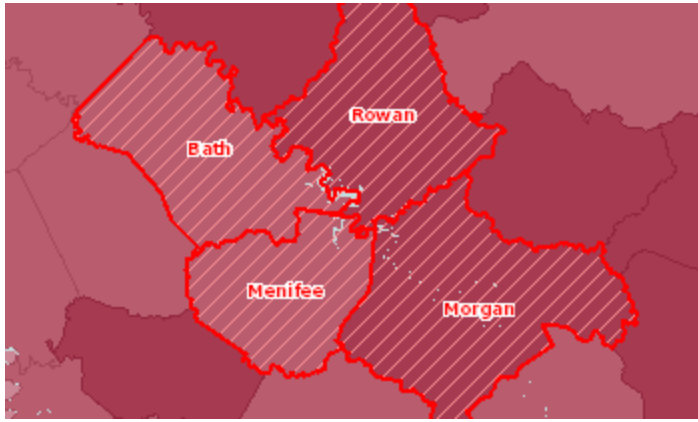
**Obesity**

33.6% of adults aged 20 and older self-report that they have a Body Mass Index (BMI) greater than 30.0 (obese) in the report area. Excess weight may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

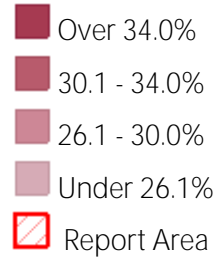
Report Area	Total Population Age 20	Adults with BMI > 30.0 (Obese)	Percent Adults with BMI > 30.0 (Obese)
Report Area	41,381	13,968	33.6%
Bath County, KY	8,619	2,672	30.6%
Menifee County, KY	4,760	1,585	33.2%
Morgan County, KY	10,629	3,752	35.2%
Rowan County, KY	17,373	5,959	34.3%
Kentucky	3,248,518	1,048,808	32.1%
United States	231,417,834	63,336,403	27.1%



Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2012. Source geography: County



Obese (BMI  $\geq$  30), Adults Age 20 , Percent by County, CDC NCCDPHP 2012

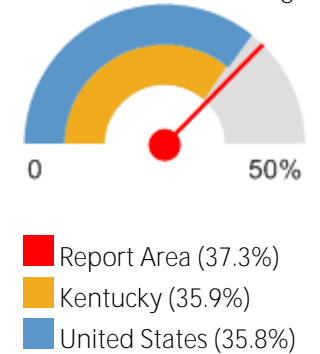


## Overweight

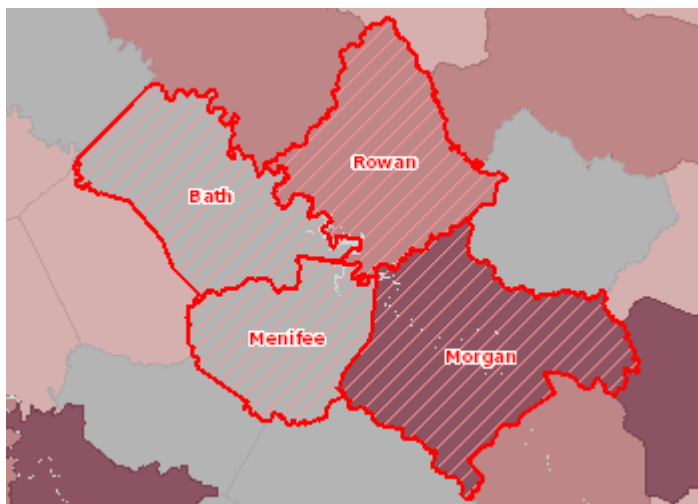
37.3% of adults aged 18 and older self-report that they have a Body Mass Index (BMI) between 25.0 and 30.0 (overweight) in the report area. Excess weight may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

Report Area	Survey Population (Adults Age 18 )	Total Adults Overweight	Percent Adults Overweight
Report Area	26,479	9,872	37.3%
Bath County, KY	no data	no data	no data
Menifee County, KY	no data	no data	no data
Morgan County, KY	10,207	4,147	40.6%
Rowan County, KY	16,272	5,725	35.2%
Kentucky	3,128,385	1,123,704	35.9%
United States	224,991,207	80,499,532	35.8%

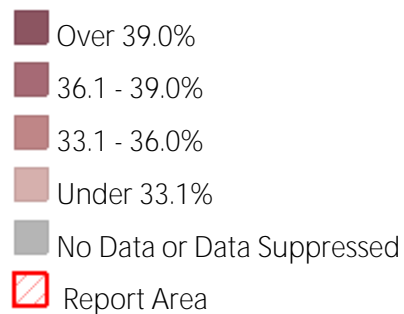
Percent Adults Overweight



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2011-12. Source geography: County



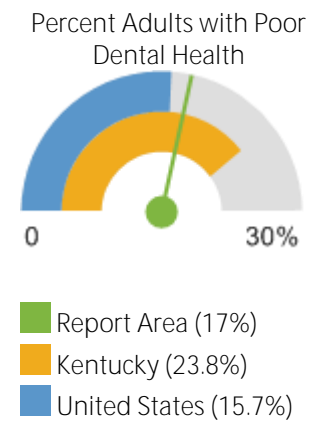
Overweight (BMI 25.0-29.9), Adults Age 18 , Percent by County, BRFSS 2011-12



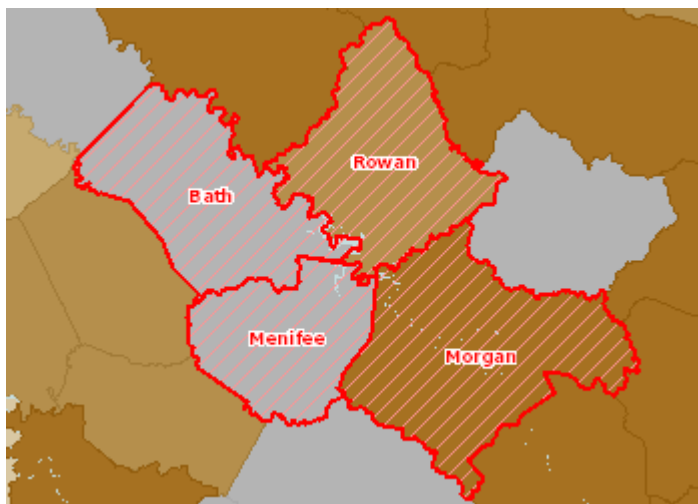
## Poor Dental Health

This indicator reports the percentage of adults age 18 and older who self-report that six or more of their permanent teeth have been removed due to tooth decay, gum disease, or infection. This indicator is relevant because it indicates lack of access to dental care and/or social barriers to utilization of dental services.

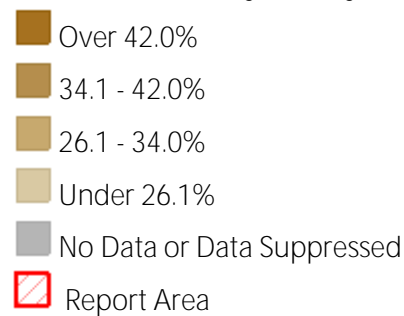
Report Area	Total Population (Age 18 )	Total Adults with Poor Dental Health	Percent Adults with Poor Dental Health
Report Area	43,167	7,317	17%
Bath County, KY	8,684	0	0%
Menifee County, KY	4,988	0	0%
Morgan County, KY	11,119	3,642	32.8%
Rowan County, KY	18,376	3,675	20%
Kentucky	3,294,652	782,958	23.8%
United States	235,375,690	36,842,620	15.7%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Additional data analysis by CARES. 2006-10. Source geography: County



Adults Age 18 Without Dental Exam in Past 12 Months, Percent by County, BRFSS 2006-10

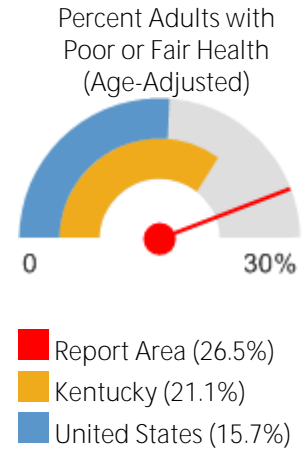


## Poor General Health

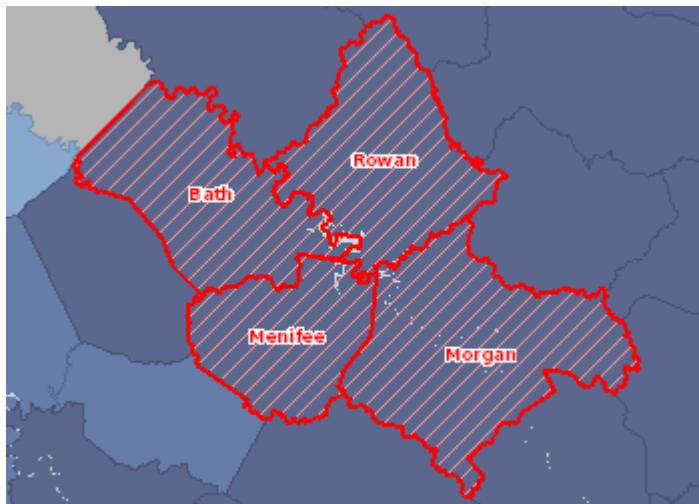
Within the report area 26.5% of adults age 18 and older self-report having poor or fair health in response to the question "Would you say that in general your health is excellent, very good, good, fair, or poor?". This indicator is relevant because it is a measure of general poor health status.



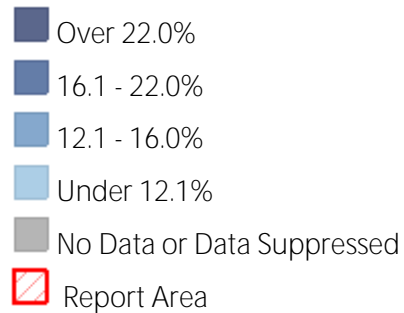
Report Area	Total Population Age 18	Estimated Population with Poor or Fair Health	Crude Percentage	Age-Adjusted Percentage
Report Area	43,369	11,497	26.5%	26.5%
Bath County, KY	8,716	2,318	26.6%	25.5%
Menifee County, KY	4,911	1,552	31.6%	31.4%
Morgan County, KY	11,118	3,213	28.9%	29.1%
Rowan County, KY	18,624	4,414	23.7%	24.2%
Kentucky	3,294,652	724,823	22%	21.1%
United States	232,556,016	37,766,703	16.2%	15.7%



Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the Health Indicators Warehouse. US Department of Health Human Services, Health Indicators Warehouse. 2006-12. Source geography: County



Adults with Poor or Fair Health, Percent by County, BRFSS 2006-12

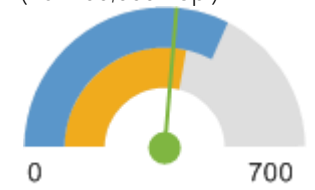


## STI - Chlamydia Incidence

This indicator reports incidence rate of chlamydia cases per 100,000 population. This indicator is relevant because it is a measure of poor health status and indicates the prevalence of unsafe sex practices.

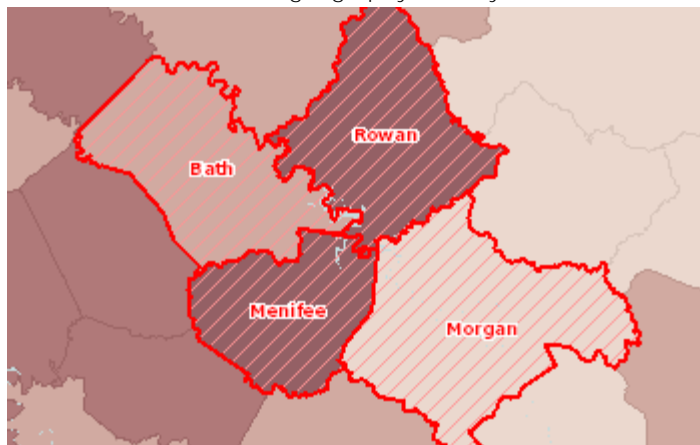
Report Area	Total Population	Total Chlamydia Infections	Chlamydia Infection Rate (Per 100,000 Pop.)
Report Area	55,156	203	368.05
Bath County, KY	11,961	25	209.01
Menifee County, KY	6,288	38	604.33
Morgan County, KY	13,380	12	89.69
Rowan County, KY	23,527	128	544.06
Kentucky	4,395,105	17,598	400.4
United States	316,128,839	1,441,789	456.08

Chlamydia Infection Rate (Per 100,000 Pop.)



- Report Area (368.05)
- Kentucky (400.4)
- United States (456.08)

Data Source: US Department of Health Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2014. Source geography: County



Chlamydia, Infection Rate per 100,000 Population by County, NCHHSTP 2014

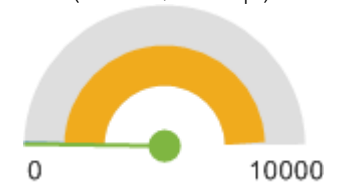
- Over 500.0
- 300.1 - 500.0
- 150.1 - 300.0
- 0.1 - 150.0
- Suppressed (< 4 Cases)
- Report Area

## STI - Gonorrhea Incidence

This indicator reports incidence rate of Gonorrhea cases per 100,000 population. This indicator is relevant because it is a measure of poor health status and indicates the prevalence of unsafe sex practices.

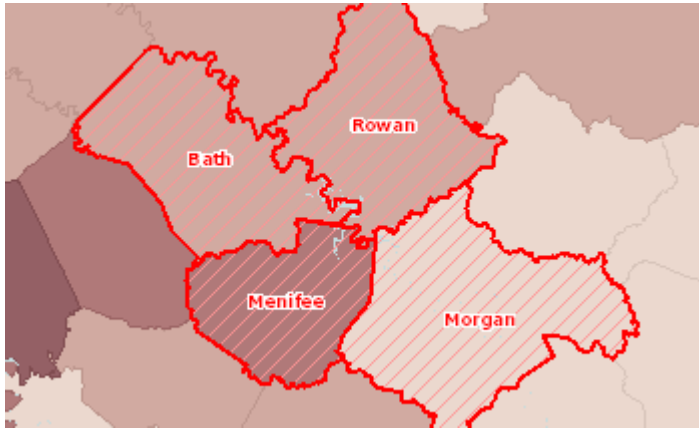
Report Area	Total Population	Total Gonorrhea Infections	Gonorrhea Infection Rate (Per 100,000 Pop.)
Report Area	55,156	18	32.63
Bath County, KY	11,961	5	41.8
Menifee County, KY	6,288	4	63.61
Morgan County, KY	13,380	0	0
Rowan County, KY	23,527	9	38.25
Kentucky	43,970	4,353	9,899.93
United States	316,128,839	350,062	110.73

Gonorrhea Infection Rate (Per 100,000 Pop.)

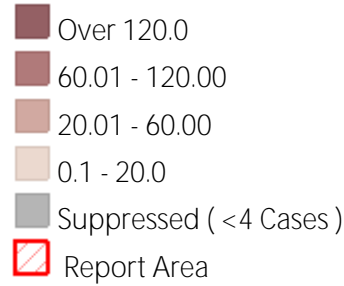


- Report Area (32.63)
- Kentucky (9,899.93)
- United States (110.73)

Data Source: US Department of Health Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2014. Source geography: County



Gonorrhea, Infection Rate per 100,000 Population by County, NCHHSTP 2014

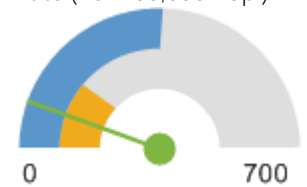


## STI - HIV Prevalence

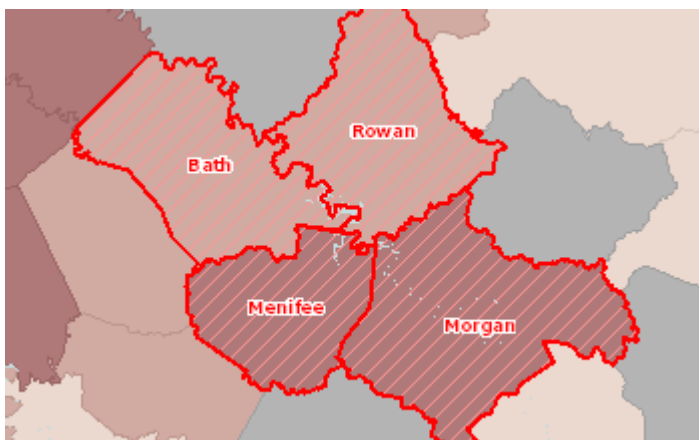
This indicator reports prevalence rate of HIV per 100,000 population. This indicator is relevant because HIV is a life-threatening communicable disease that disproportionately affects minority populations and may also indicate the prevalence of unsafe sex practices.

Report Area	Population Age 13	Population with HIV / AIDS	Population with HIV / AIDS, Rate (Per 100,000 Pop.)
Report Area	47,045	37	78.65
Bath County, KY	9,871	5	50.65
Menifee County, KY	5,417	8	147.68
Morgan County, KY	11,545	12	103.94
Rowan County, KY	20,212	12	59.37
Kentucky	3,669,673	5,849	159.39
United States	263,765,822	931,526	353.16

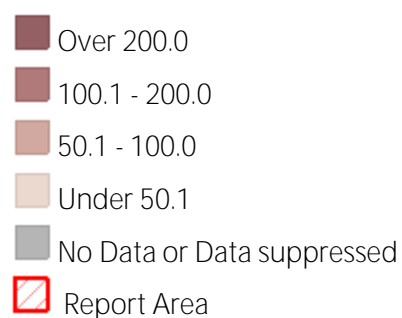
Population with HIV / AIDS, Rate (Per 100,000 Pop.)



Data Source: US Department of Health Human Services, Health Indicators Warehouse. Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2013. Source geography: County



HIV Prevalence, Rate (Per 100,000 Pop.) by County, NCHHSTP 2013



## Notes



## County Health Rankings

Available at [www.countyhealthrankings.org](http://www.countyhealthrankings.org). The rankings are based on a model of population health that emphasizes the many factors that, if improved, can help make communities healthier places to live, learn, work and play. More information can be found at [www.countyhealthrankings.org/our-approach](http://www.countyhealthrankings.org/our-approach).

[www.countyhealthrankings.org](http://www.countyhealthrankings.org)

Bath County

Menifee County

Morgan County

Rowan County

# County Health Rankings & Roadmaps

Building a Culture of Health, County by County

## Bath (BT)

	Bath County	Error Margin	Top U.S. Performers <sup>^</sup>	Kentucky	Rank (of 120)
<b>Health Outcomes</b>					<b>95</b>
<b>Length of Life</b>					<b>92</b>
Premature death	11,400	9,200-13,700	5,200	8,800	
<b>Quality of Life</b>					<b>100</b>
Poor or fair health**	27%	26-28%	12%	24%	
Poor physical health days**	5.5	5.3-5.7	2.9	5.0	
Poor mental health days**	4.7	4.5-4.9	2.8	4.6	
Low birthweight	10%	8-12%	6%	9%	
<b>Health Factors</b>					<b>87</b>
<b>Health Behaviors</b>					<b>72</b>
Adult smoking**	27%	26-28%	14%	26%	
Adult obesity	31%	26-36%	25%	32%	
Food environment index	7.2		8.3	7.1	
Physical inactivity	30%	26-35%	20%	29%	
Access to exercise opportunities	48%		91%	70%	
Excessive drinking**	11%	10-11%	12%	14%	
Alcohol-impaired driving deaths	12%	2-27%	14%	29%	
Sexually transmitted infections	177.9		134.1	391.2	
Teen births	78	67-89	19	47	
<b>Clinical Care</b>					<b>83</b>
Uninsured	20%	18-22%	11%	17%	
Primary care physicians	11,960:1		1,040:1	1,500:1	
Dentists	12,210:1		1,340:1	1,610:1	
Mental health providers	490:1		370:1	560:1	
Preventable hospital stays	73	57-88	38	85	
Diabetic monitoring	89%	75-100%	90%	86%	
Mammography screening	44%	30-58%	71%	58%	
<b>Social &amp; Economic Factors</b>					<b>90</b>
High school graduation	88%		93%	88%	
Some college	56%	45-67%	72%	59%	
Unemployment	9.0%		3.5%	6.5%	
Children in poverty	34%	24-44%	13%	26%	
Income inequality	5.0	4.1-5.9	3.7	5.1	
Children in single-parent households	33%	23-42%	21%	34%	
Social associations	5.9		22.1	10.8	
Violent crime			59	235	
Injury deaths	109	84-139	51	82	
<b>Physical Environment</b>					<b>56</b>
Air pollution - particulate matter	13.0		9.5	13.5	
Drinking water violations	No		No		
Severe housing problems	20%	15-24%	9%	14%	
Driving alone to work	81%	77-85%	71%	82%	
Long commute - driving alone	28%	21-35%	15%	28%	

<sup>^</sup> 10th/90th percentile, i.e., only 10% are better.

Note: Blank values reflect unreliable or missing data

\*\* Data should not be compared with prior years due to changes in definition/methods

2016

# County Health Rankings & Roadmaps

Building a Culture of Health, County by County

## Menifee (ME)

	Menifee County	Error Margin	Top U.S. Performers <sup>^</sup>	Kentucky	Rank (of 120)
<b>Health Outcomes</b>					79
<b>Length of Life</b>					67
Premature death	9,800	6,700-12,800	5,200	8,800	
<b>Quality of Life</b>					84
Poor or fair health**	25%	24-26%	12%	24%	
Poor physical health days**	5.4	5.2-5.7	2.9	5.0	
Poor mental health days**	4.5	4.3-4.7	2.8	4.6	
Low birthweight	9%	7-12%	6%	9%	
<b>Health Factors</b>					92
<b>Health Behaviors</b>					45
Adult smoking**	26%	25-27%	14%	26%	
Adult obesity	33%	28-39%	25%	32%	
Food environment index	6.9		8.3	7.1	
Physical inactivity	29%	23-34%	20%	29%	
Access to exercise opportunities	90%		91%	70%	
Excessive drinking**	11%	10-11%	12%	14%	
Alcohol-impaired driving deaths	0%	0-28%	14%	29%	
Sexually transmitted infections	192.9		134.1	391.2	
Teen births	56	45-69	19	47	
<b>Clinical Care</b>					89
Uninsured	23%	20-25%	11%	17%	
Primary care physicians	3,140:1		1,040:1	1,500:1	
Dentists	3,140:1		1,340:1	1,610:1	
Mental health providers	700:1		370:1	560:1	
Preventable hospital stays	77	54-99	38	85	
Diabetic monitoring	90%	72-100%	90%	86%	
Mammography screening	48%	28-68%	71%	58%	
<b>Social &amp; Economic Factors</b>					102
High school graduation	93%		93%	88%	
Some college	43%	34-51%	72%	59%	
Unemployment	9.9%		3.5%	6.5%	
Children in poverty	42%	30-54%	13%	26%	
Income inequality	5.0	4.0-6.0	3.7	5.1	
Children in single-parent households	41%	26-56%	21%	34%	
Social associations	3.2		22.1	10.8	
Violent crime	32		59	235	
Injury deaths	130	94-177	51	82	
<b>Physical Environment</b>					99
Air pollution - particulate matter	13.0		9.5	13.5	
Drinking water violations	Yes		No		
Severe housing problems	15%	10-21%	9%	14%	
Driving alone to work	80%	74-87%	71%	82%	
Long commute - driving alone	58%	46-69%	15%	28%	

<sup>^</sup> 10th/90th percentile, i.e., only 10% are better.

Note: Blank values reflect unreliable or missing data.

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2016

# County Health Rankings & Roadmaps

Building a Culture of Health, County by County

## Morgan (MA)

	Morgan County	Error Margin	Top U.S. Performers <sup>^</sup>	Kentucky	Rank (of 120)
<b>Health Outcomes</b>					<b>76</b>
<b>Length of Life</b>					<b>54</b>
Premature death	9,400	7,500-11,200	5,200	8,800	
<b>Quality of Life</b>					<b>88</b>
Poor or fair health**	29%	28-30%	12%	24%	
Poor physical health days**	5.6	5.4-5.8	2.9	5.0	
Poor mental health days**	4.4	4.2-4.6	2.8	4.6	
Low birthweight	9%	7-10%	6%	9%	
<b>Health Factors</b>					<b>104</b>
<b>Health Behaviors</b>					<b>105</b>
Adult smoking**	30%	29-31%	14%	26%	
Adult obesity	35%	31-40%	25%	32%	
Food environment index	6.4		8.3	7.1	
Physical inactivity	33%	29-38%	20%	29%	
Access to exercise opportunities	31%		91%	70%	
Excessive drinking**	12%	11-13%	12%	14%	
Alcohol-impaired driving deaths	23%	9-39%	14%	29%	
Sexually transmitted infections	51.2		134.1	391.2	
Teen births	47	38-55	19	47	
<b>Clinical Care</b>					<b>99</b>
Uninsured	19%	17-21%	11%	17%	
Primary care physicians	3,350:1		1,040:1	1,500:1	
Dentists	3,330:1		1,340:1	1,610:1	
Mental health providers	630:1		370:1	560:1	
Preventable hospital stays	139	116-161	38	85	
Diabetic monitoring	84%	70-97%	90%	86%	
Mammography screening	44%	31-57%	71%	58%	
<b>Social &amp; Economic Factors</b>					<b>100</b>
High school graduation	88%		93%	88%	
Some college	45%	39-51%	72%	59%	
Unemployment	9.4%		3.5%	6.5%	
Children in poverty	40%	30-49%	13%	26%	
Income inequality	5.3	4.4-6.2	3.7	5.1	
Children in single-parent households	35%	26-43%	21%	34%	
Social associations	5.2		22.1	10.8	
Violent crime			59	235	
Injury deaths	89	68-114	51	82	
<b>Physical Environment</b>					<b>21</b>
Air pollution - particulate matter	13.0		9.5	13.5	
Drinking water violations	No		No		
Severe housing problems	12%	8-16%	9%	14%	
Driving alone to work	85%	80-89%	71%	82%	
Long commute - driving alone	37%	30-44%	15%	28%	

<sup>^</sup> 10th/90th percentile, i.e., only 10% are better.

Note: Blank values reflect unreliable or missing data.

\*\* Data should not be compared with prior years due to changes in definition/methods.

2016



# County Health Rankings & Roadmaps

Building a Culture of Health, County by County

## Rowan (RW)

	Rowan County	Error Margin	Top U.S. Performers <sup>^</sup>	Kentucky	Rank (of 120)
<b>Health Outcomes</b>					<b>70</b>
<b>Length of Life</b>					<b>75</b>
Premature death	10,300	8,700-11,900	5,200	8,800	
<b>Quality of Life</b>					<b>63</b>
Poor or fair health**	21%	20-22%	12%	24%	
Poor physical health days**	5.1	4.9-5.3	2.9	5.0	
Poor mental health days**	4.3	4.1-4.4	2.8	4.6	
Low birthweight	9%	8-10%	6%	9%	
<b>Health Factors</b>					<b>45</b>
<b>Health Behaviors</b>					<b>64</b>
Adult smoking**	24%	23-25%	14%	26%	
Adult obesity	34%	30-39%	25%	32%	
Food environment index	6.8		8.3	7.1	
Physical inactivity	30%	26-33%	20%	29%	
Access to exercise opportunities	94%		91%	70%	
Excessive drinking**	13%	12-14%	12%	14%	
Alcohol-impaired driving deaths	30%	19-40%	14%	29%	
Sexually transmitted infections	418.0		134.1	391.2	
Teen births	24	20-27	19	47	
<b>Clinical Care</b>					<b>28</b>
Uninsured	19%	16-21%	11%	17%	
Primary care physicians	940:1		1,040:1	1,500:1	
Dentists	1,480:1		1,340:1	1,610:1	
Mental health providers	310:1		370:1	560:1	
Preventable hospital stays	84	70-98	38	85	
Diabetic monitoring	86%	75-96%	90%	86%	
Mammography screening	52%	40-63%	71%	58%	
<b>Social &amp; Economic Factors</b>					<b>40</b>
High school graduation	92%		93%	88%	
Some college	62%	52-71%	72%	59%	
Unemployment	7.0%		3.5%	6.5%	
Children in poverty	30%	21-38%	13%	26%	
Income inequality	5.6	4.5-6.7	3.7	5.1	
Children in single-parent households	25%	15-35%	21%	34%	
Social associations	8.9		22.1	10.8	
Violent crime	79		59	235	
Injury deaths	85	69-102	51	82	
<b>Physical Environment</b>					<b>91</b>
Air pollution - particulate matter	13.0		9.5	13.5	
Drinking water violations	Yes		No		
Severe housing problems	15%	11-19%	9%	14%	
Driving alone to work	84%	80-87%	71%	82%	
Long commute - driving alone	21%	16-26%	15%	28%	

<sup>^</sup> 10th/90th percentile, i.e., only 10% are better.

Note: Blank values reflect unreliable or missing data.

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2016

## Notes



