

APPENDIX D:

Socioeconomic Study

AA Highway - KY 9/KY 10 Study

Socioeconomic Study

January 2020

Prepared for
Kentucky Transportation Cabinet (KYTC) – Division of Planning



Prepared by
Buffalo Trace Area Development District



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Introduction

This report presents an overview of the findings for selected socioeconomic characteristics of the AA Highway. The purpose of this study is to improve safety, traffic operations, and the existing accessibility from Campbell County to Carter County KY-9 and from Lewis County to Greenup County KY-10.

The information in this report outlines 2013-2017 American Community Survey (ACS) statistics in and near the project area using tables, charts, and maps. The data presented in this document is intended to highlight areas of concern that will require additional analysis should any project be advanced to future phases. Statistics are provided for minority, elderly, poverty status, limited English proficiency (LEP), and disabled populations for the nation, state, region, county and block groups located within the project area.

This information is intended to aid the Kentucky Transportation Cabinet (KYTC) in making informed and prudent transportation decisions in the project area, especially with regard to the requirements of *Executive Order 12898: Federal Actions to Address Environmental Justice in Minority Populations and Poverty status, Populations* (signed February 11, 1994). Executive Order 12898 states:

“...each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its policies, and activities on minority populations and poverty status, populations...”

The project study area covers 7 counties and multiple block groups. Kentucky Route 9 is 116 miles long and starts in Campbell County crossing through Pendleton, Bracken, Mason, Lewis and ending in Carter County. Kentucky 10 splits off of KY 9 in Lewis County and travels through Greenup County ending at the Kentucky/Ohio state line totaling a little over 32 miles.

What is Socioeconomic Study?

The U.S. Department of Transportation (DOT) outlines three primary Environmental Justice Concepts as:

1. To avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority populations and poverty status, populations.
2. To ensure the full and fair participation by all potentially affected communities in the transportation decision-making process.
3. To prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority population and poverty status, populations.

The U.S. DOT order defines minority as:

1. Black (a person having origins in any of the black racial groups of Africa);
2. Hispanic (a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race);
3. Asian American (a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands); or
4. American Indian and Alaskan Native (a person having origins in any of the original people of North America and who maintains cultural identification through tribal affiliation or community recognition).

A minority population is “any readily identifiable groups of minority persons who live in geographic proximity, and if circumstances warrant geographically dispersed/transient persons...”

Low-income, is defined in U.S. DOT Order (5610.2) as “a person whose median household income is at or below the Department of Health and Human Services (HHS) poverty guidelines.” A low-income, population is “any readily identifiable group of low-income, persons who live in geographic proximity, and, if circumstances warrant, geographically dispersed/transient persons...”

A disproportionately high and adverse effect on a minority or low-income population means an adverse effect that:

1. Is predominately borne by a minority population and/or low-income population or
2. Will be suffered by the minority population and/or low-income population and is appreciably more severe or greater in magnitude than the adverse effect that will be suffered by the non-minority population and/or non-low-income population.

Elderly and disabled populations (also used in this analysis) are not specifically recognized under the definition of an Environmental Justice community. However, the U.S. DOT specifically encourages the early examination of potential population of the elderly, children, disabled, and other populations protected by the Title VI of the Civil Rights Act of 1964 and related nondiscrimination statuses.

Limited English proficiency (LEP) is a term used in the United States that refers to a person who is not fluent in the English language, often because it is not their native language. Both LEP and English-language learner (ELL) are terms used by the Office for Civil Rights, a sub-agency of the U.S. Department of Education.

Methodology

The data was collected using the method outlined by the KYTC document “Methodology for Assessing Potential Environmental Justice Concerns for KYTC Planning Studies”. The demographics of the affected area should be defined using U.S. Census Bureau data and the percentages for minorities, poverty status, elderly, LEP, and disabled populations should be compared to the Census tracts and block groups, the county as a whole, the entire state and the United States.

The primary source of data for this report is the 2011-2015 US Census Bureau American Community Survey including tables:

- B01001 - Sex by Age
- B03002 - Hispanic or Latino Origin by Race
- B16004 - Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over
- B17021 - Poverty Status of Individuals in the Past 12 Months by Living Arrangement
- C21007 - Age by Veteran Status by Poverty Status in the Past 12 Months by Disability Status

The data presented in this document is intended to highlight areas of concern that will require additional analysis should any project be advanced to future phases.

The Census tables in this report include the total number and percentages for minorities, elderly, low-income, LEP, and disabled population levels for the census tract block groups, county, region, state, and nation. This report uses the population percentages for the state as the reference threshold for identifying target populations. The state numbers were selected as the reference threshold because the project covers multiple counties and multiple block groups. The state numbers most likely provide a better snapshot of the overall population characteristics in the study area as opposed to the United States or county percentages.

The methodologies used in this planning document are appropriate for identifying areas of concern in small urban areas and potential project corridors. However, during future phases of project development a more detailed and robust analysis would be required for the NEPA documentation when assessing the potential for adverse and disproportionate impacts to poverty status, and minority populations.

AA Highway - KY9 \ KY10 Study Campbell County - Project Area

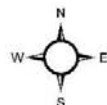
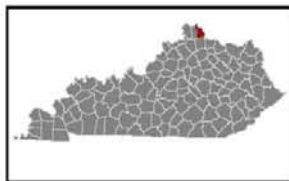
Legend

AA Highway - KY9 \ KY10

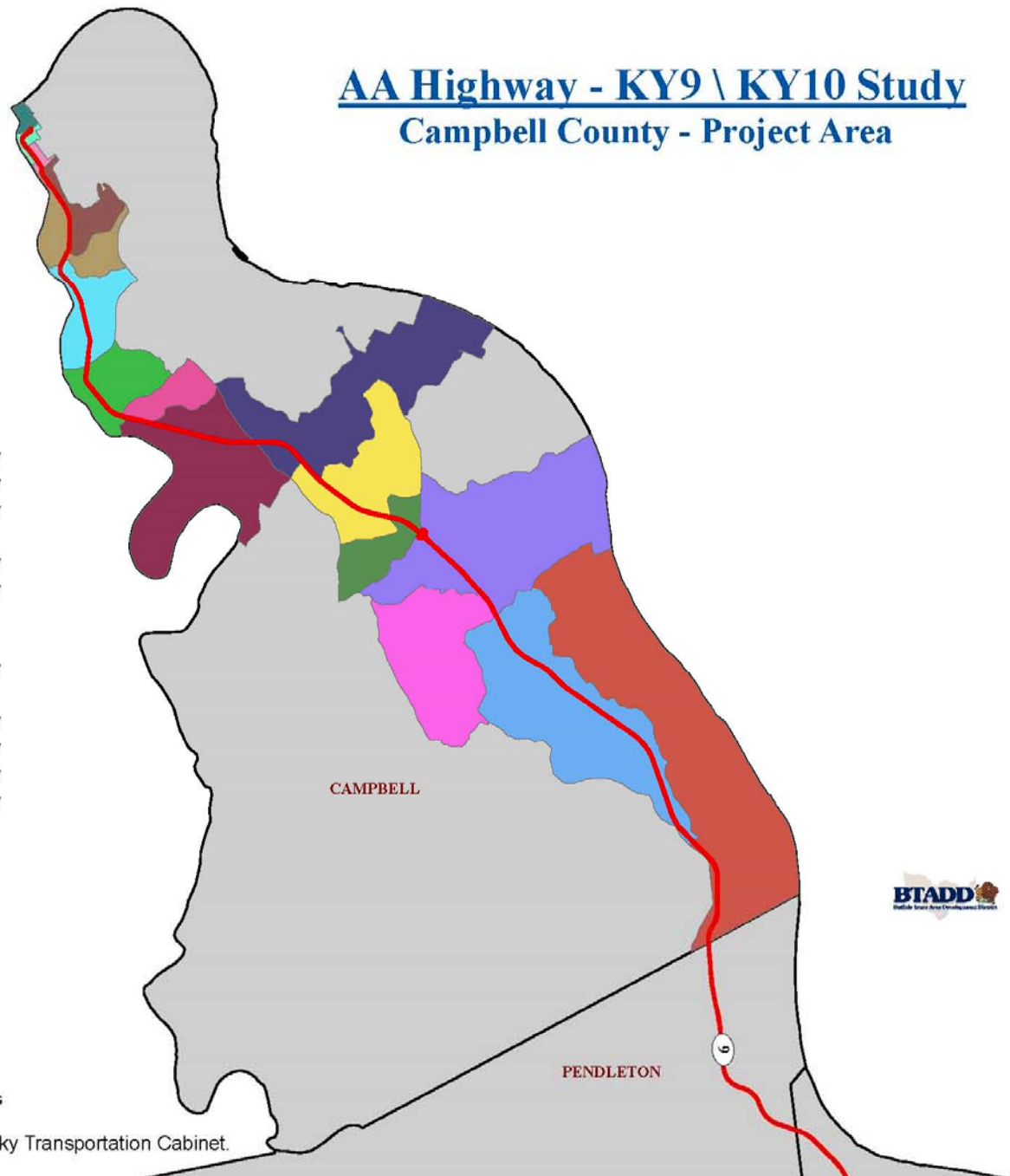
County Boundary

Census Block - Campbell County

- Block Group 1, Census Tract 501, Campbell County, Kentucky
- Block Group 1, Census Tract 519.01, Campbell County, Kentucky
- Block Group 1, Census Tract 519.03, Campbell County, Kentucky
- Block Group 1, Census Tract 520.02, Campbell County, Kentucky
- Block Group 1, Census Tract 531, Campbell County, Kentucky
- Block Group 1, Census Tract 533.01, Campbell County, Kentucky
- Block Group 1, Census Tract 533.02, Campbell County, Kentucky
- Block Group 2, Census Tract 501, Campbell County, Kentucky
- Block Group 2, Census Tract 506, Campbell County, Kentucky
- Block Group 2, Census Tract 520.02, Campbell County, Kentucky
- Block Group 2, Census Tract 531, Campbell County, Kentucky
- Block Group 2, Census Tract 533.02, Campbell County, Kentucky
- Block Group 3, Census Tract 519.01, Campbell County, Kentucky
- Block Group 3, Census Tract 519.03, Campbell County, Kentucky
- Block Group 3, Census Tract 533.01, Campbell County, Kentucky
- Block Group 4, Census Tract 525, Campbell County, Kentucky



0 1 2 4 6 8 Miles



This map was produced in cooperation with the Kentucky Transportation Cabinet.

AA Highway - KY9 \ KY10 Study Pendleton County - Project Area

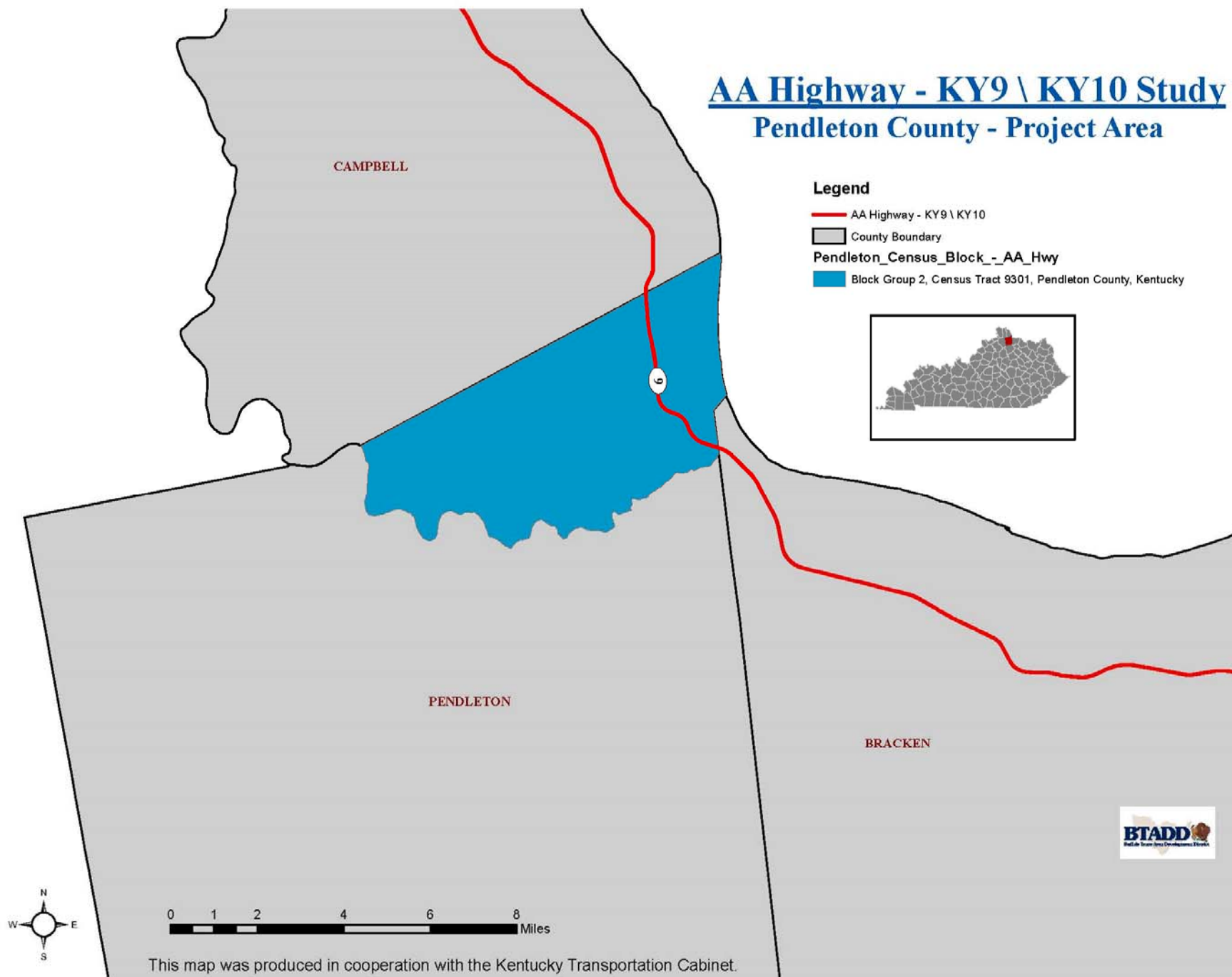
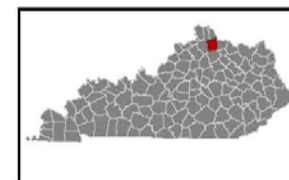
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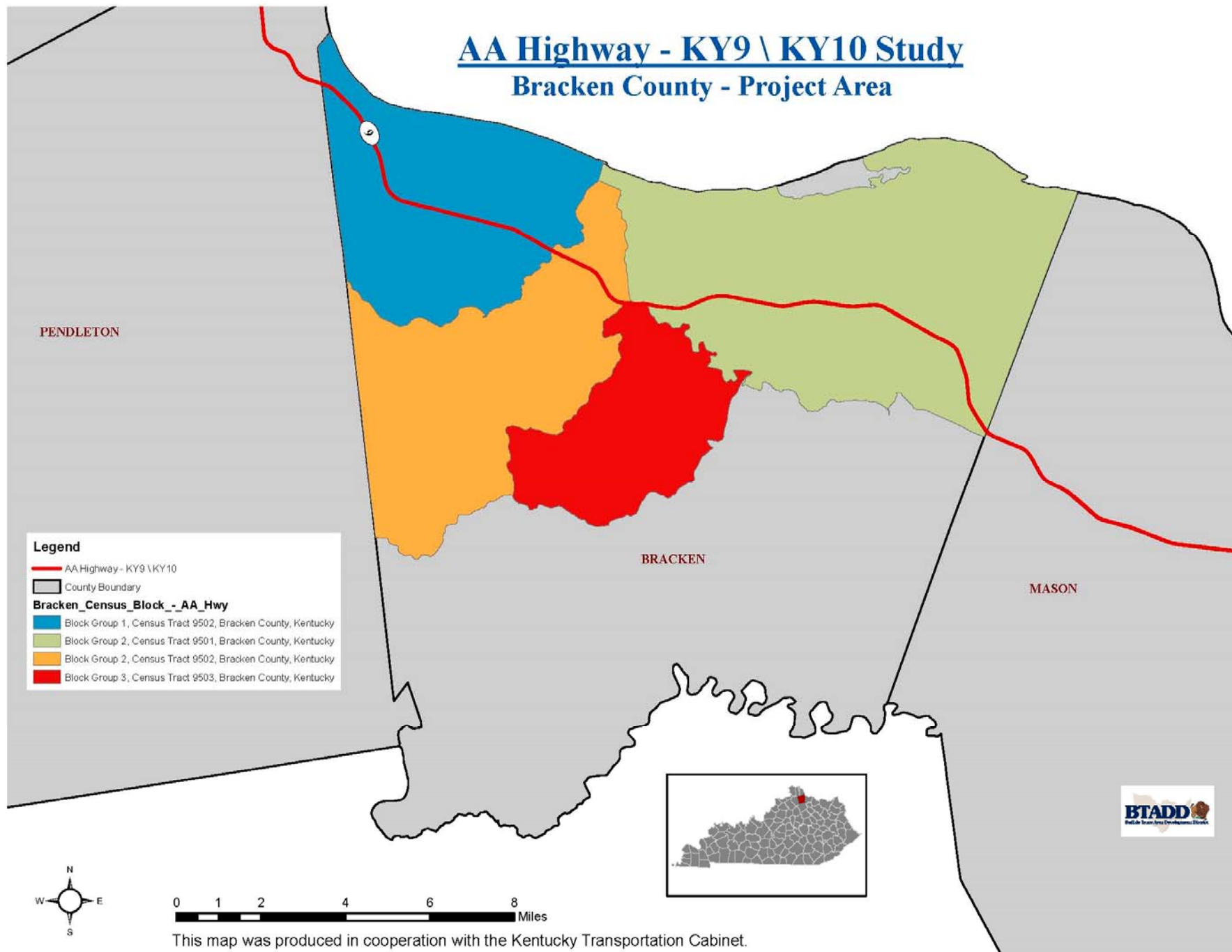
AA Highway - KY9 \ KY10

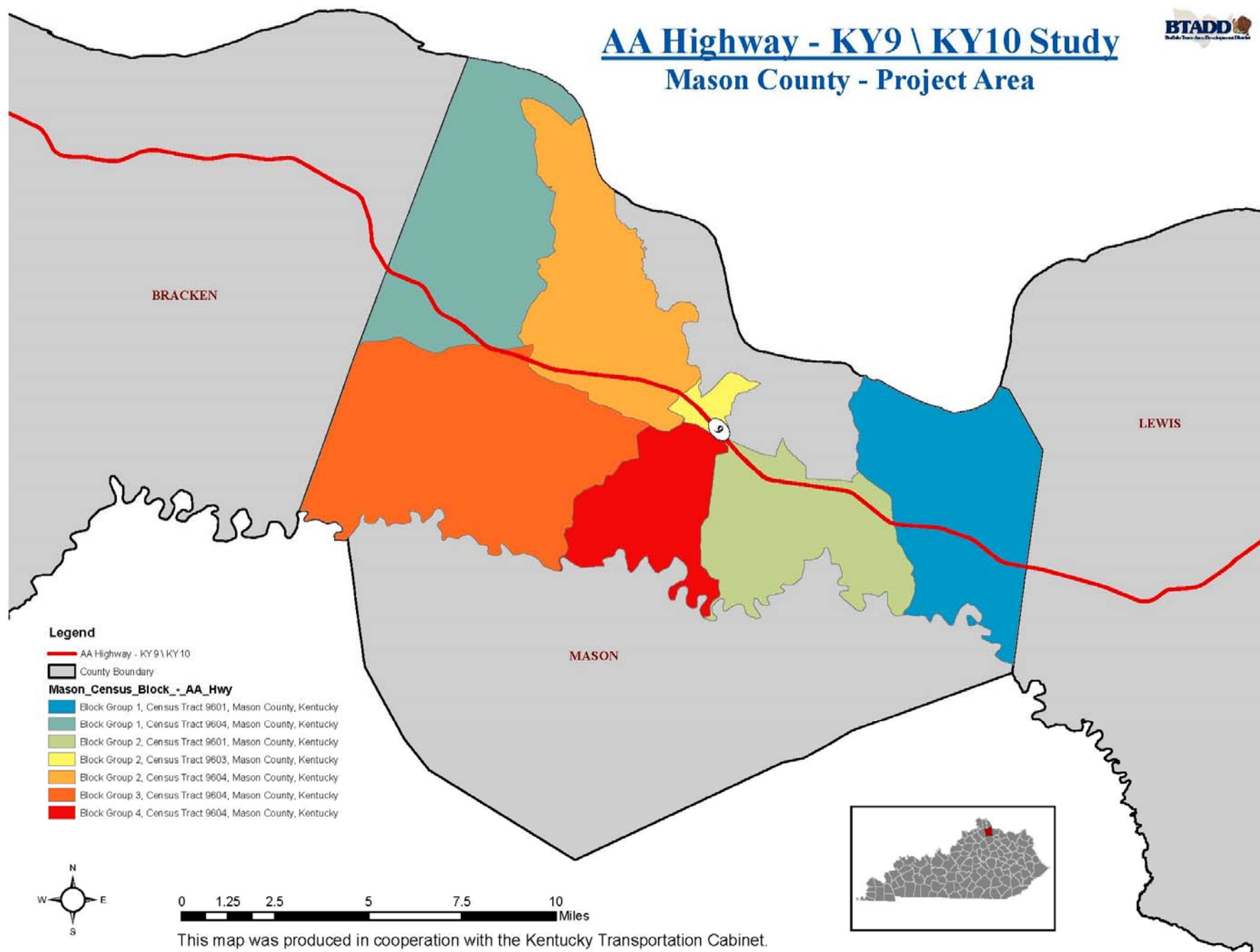
County Boundary

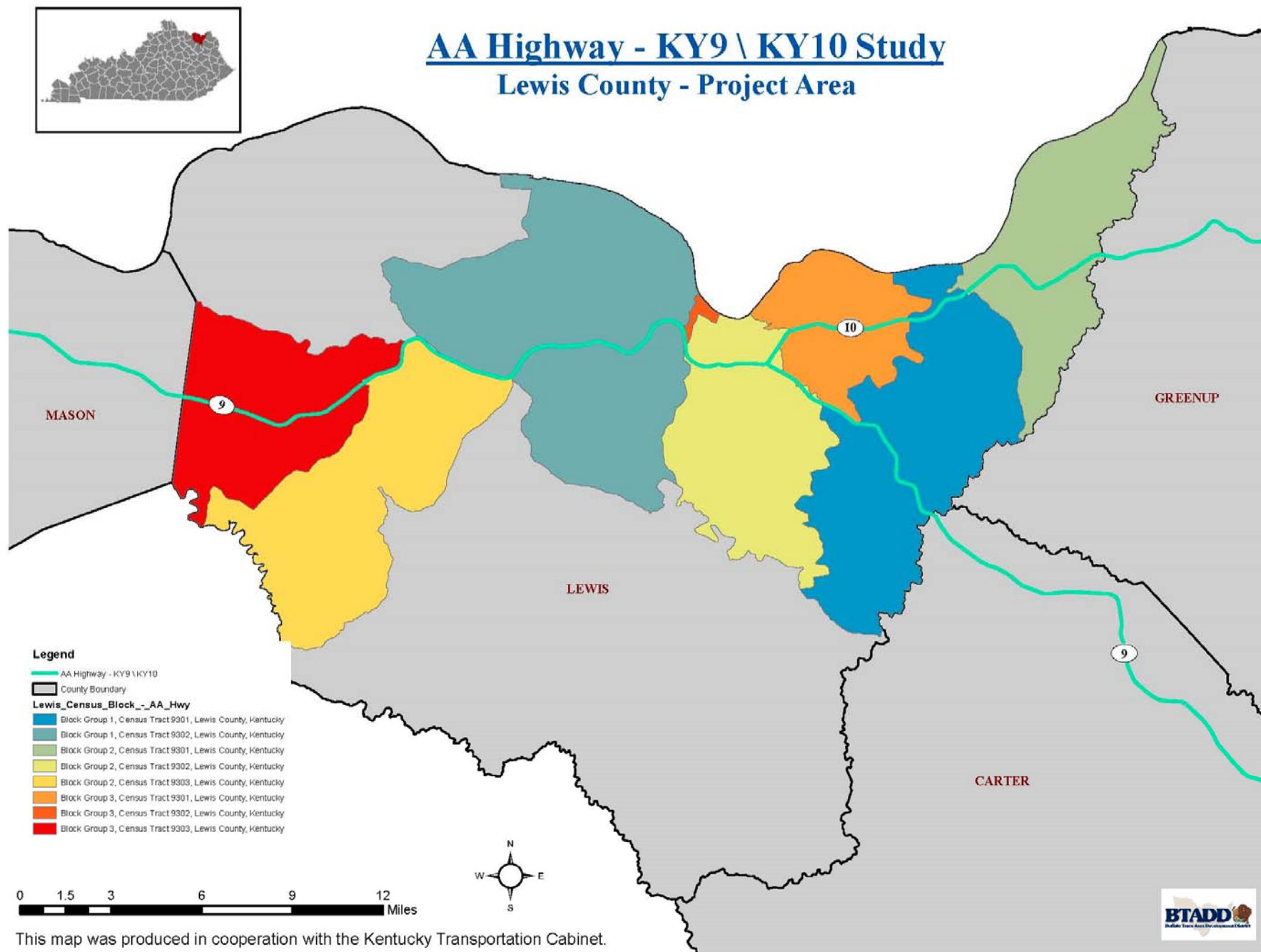
Pendleton_Census_Block_-_AA_Hwy

Block Group 2, Census Tract 9301, Pendleton County, Kentucky



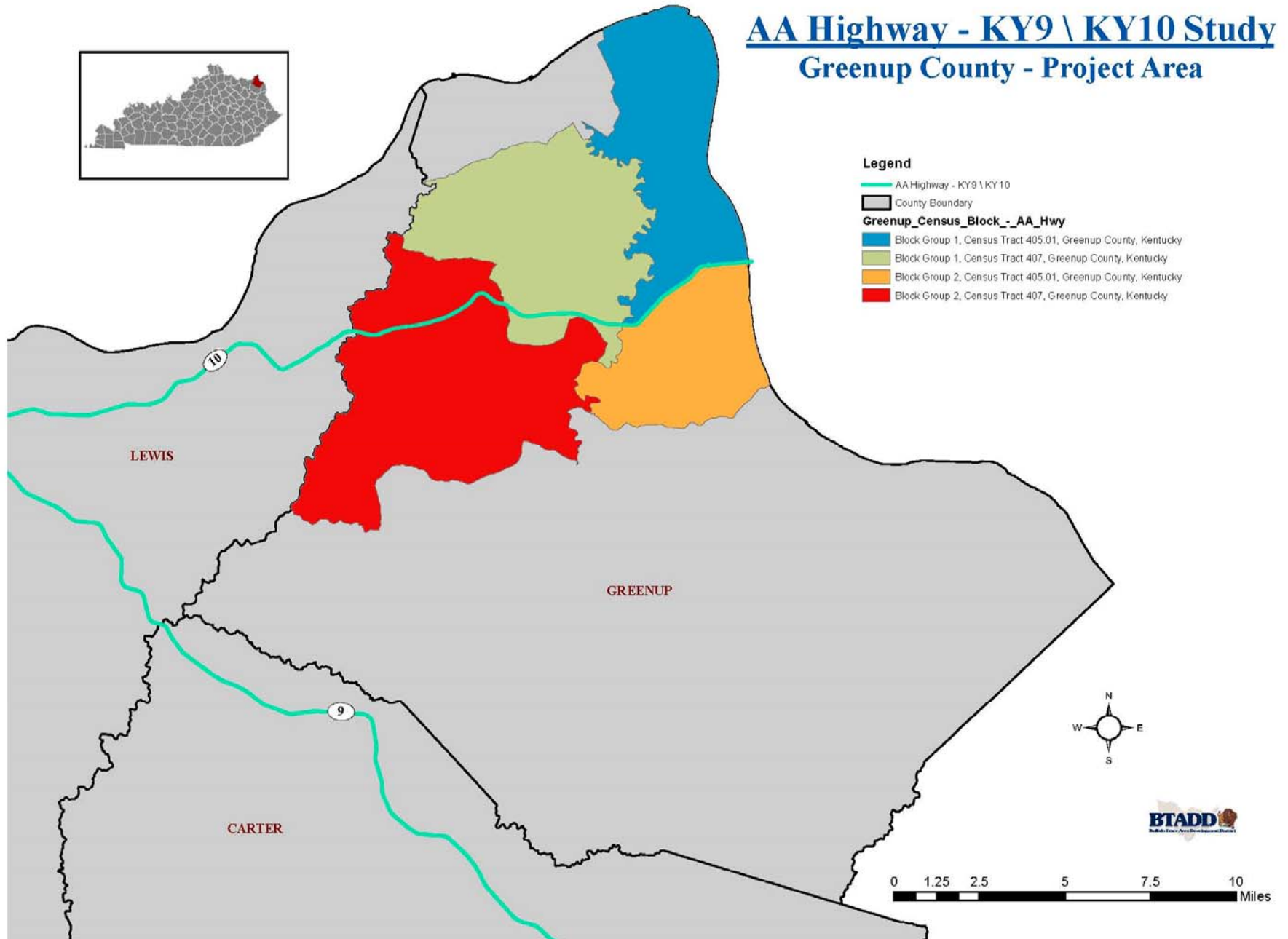


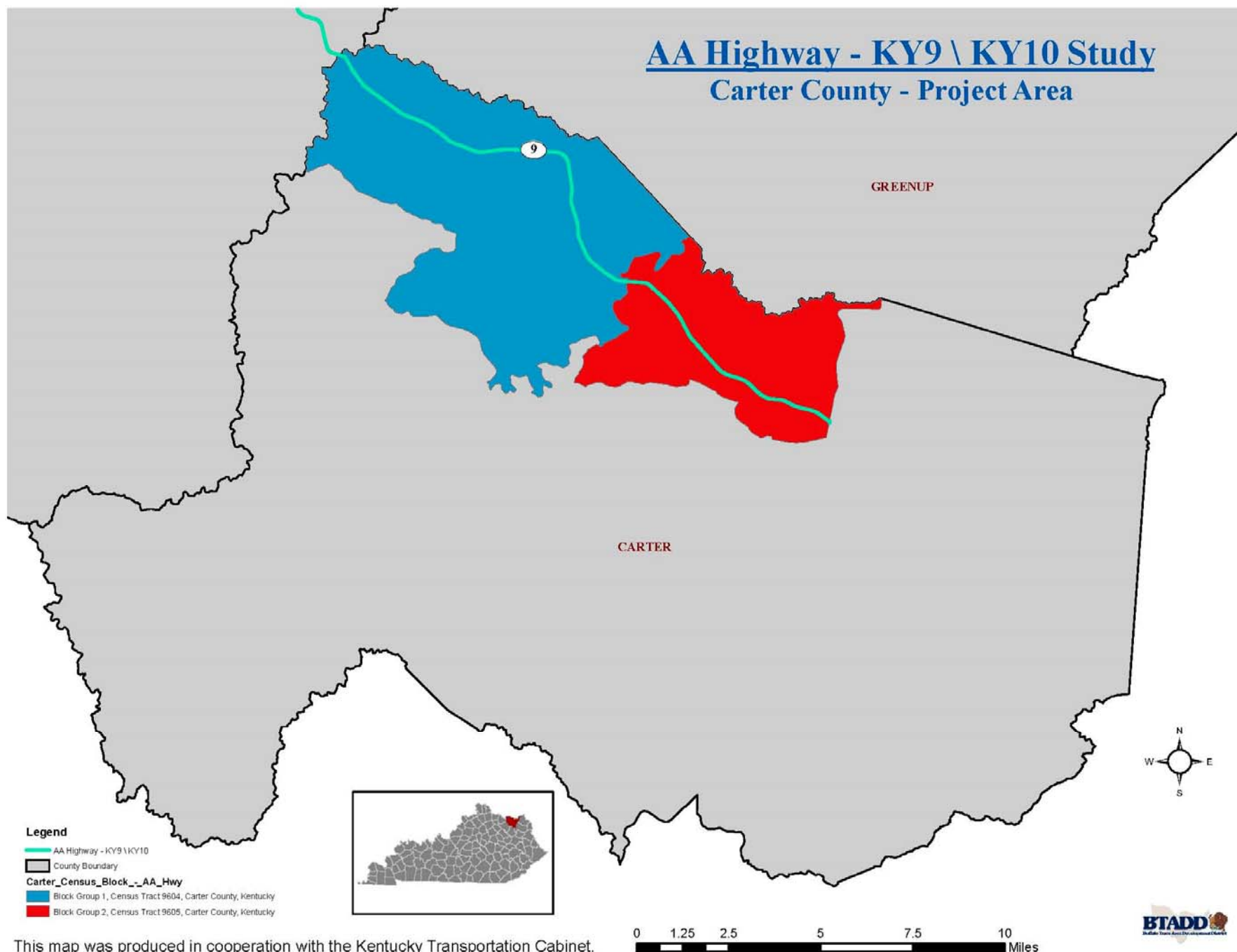




This map was produced in cooperation with the Kentucky Transportation Cabinet.

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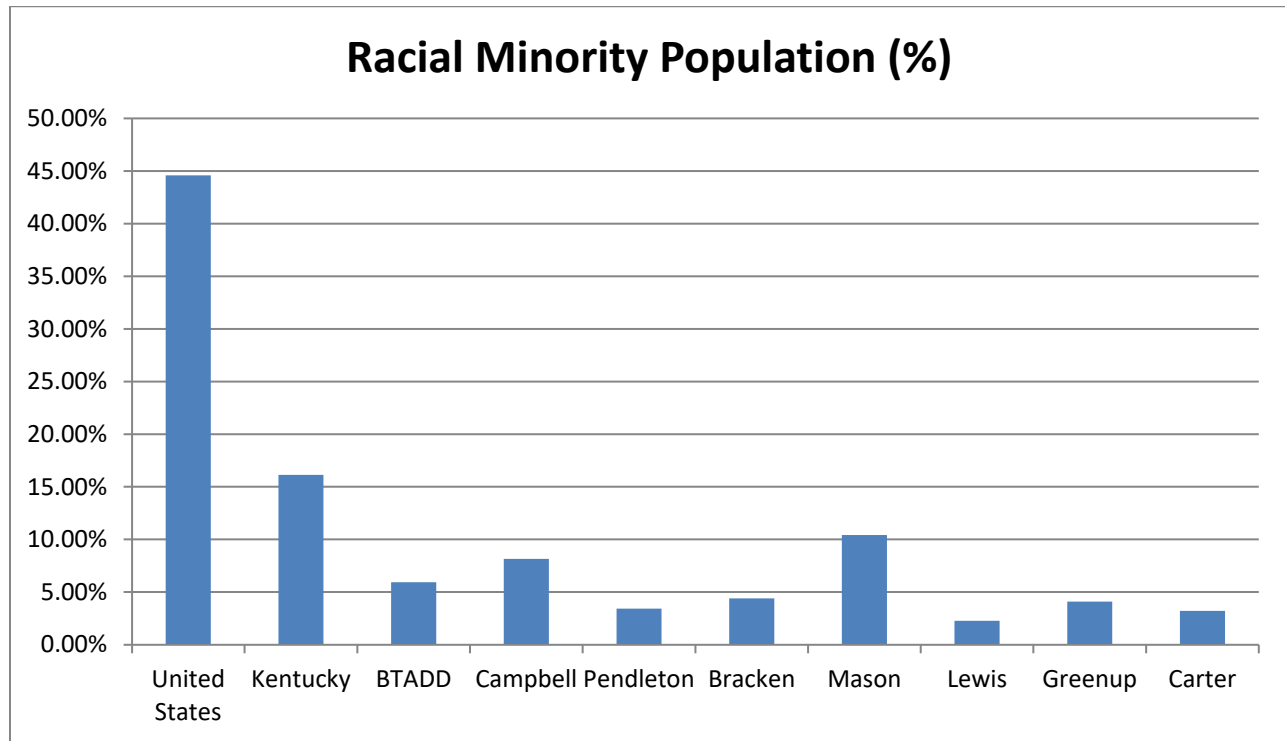




This map was produced in cooperation with the Kentucky Transportation Cabinet.

Study Findings

Population by Persons of Racial Minority Origin



Racial minorities in the United States make up 44.59% of the population, but in Kentucky that percentage drops significantly to just 16.13%. In regards to the AA Highway and the counties that it covers, they were all well below the state average. Mason County had the highest numbers at 10.41%. Campbell County came in second with 8.15% and the highest block group percentage of 38.36%. (Block Group 2 Census Tract 501)

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Campbell	91,804	7,478	8.15%
Pendleton	14,877	510	3.43%
Bracken	8,488	373	4.39%
Mason	17,490	1,820	10.41%
Lewis	13,565	308	2.27%
Greenup	36,012	1,473	4.09%
Carter	27,385	878	3.21%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Campbell	91,804	7,487	8.16%
Block Group 1, Census Tract 501	282	96	34.04%
Block Group 2, Census Tract 501	1374	527	38.36%
Block Group 2, Census Tract 506	735	127	17.28%
Block Group 1, Census Tract 519.01	2508	81	3.23%
Block Group 3, Census Tract 519.01	1848	0	0.00%
Block Group 1, Census Tract 519.03	1792	157	8.76%
Block Group 3, Census Tract 519.03	1094	139	12.71%
Block Group 1, Census Tract 520.02	1108	6	0.54%
Block Group 2, Census Tract 520.02	915	0	0.00%
Block Group 4, Census Tract 525	2555	536	20.98%
Block Group 1, Census Tract 531	1708	122	7.14%
Block Group 2, Census Tract 531	2985	6	0.20%
Block Group 1, Census Tract 533.01	2105	33	1.57%
Block Group 3, Census Tract 533.01	2279	128	5.62%
Block Group 1, Census Tract 533.02	1584	126	7.95%
Block Group 2, Census Tract 533.02	1291	15	1.16%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Pendleton	14,877	510	3.43%
Block Group 2, Census Tract 9301	1656	16	0.97%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Bracken	8,488	373	4.39%
Block Group 2, Census Tract 9501	1589	84	5.29%
Block Group 1, Census Tract 9502	851	17	2.00%
Block Group 2, Census Tract 9502	1061	0	0.00%
Block Group 3, Census Tract 9503	890	6	0.67%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002			

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Mason	17,490	1,820	10.41%
Block Group 1, Census Tract 9601	1832	122	6.66%
Block Group 2, Census Tract 9601	945	101	10.69%
Block Group 2, Census Tract 9603	1158	150	12.95%
Block Group 1, Census Tract 9604	928	17	1.83%
Block Group 2, Census Tract 9604	735	0	0.00%
Block Group 3, Census Tract 9604	1052	9	0.86%
Block Group 4, Census Tract 9604	1609	164	10.19%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002			

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Lewis	13,565	308	2.27%
Block Group 1, Census Tract 9301	968	22	2.27%
Block Group 2, Census Tract 9301	1620	7	0.43%
Block Group 3, Census Tract 9301	1764	20	1.13%
Block Group 1, Census Tract 9302	2090	140	6.70%
Block Group 2, Census Tract 9302	1297	22	1.70%
Block Group 3, Census Tract 9302	616	12	1.95%
Block Group 2, Census Tract 9303	636	0	0.00%
Block Group 3, Census Tract 9303	1933	0	0.00%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002			

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Greenup	36,012	1,473	4.09%
Block Group 1, Census Tract 405.01	1628	43	2.64%
Block Group 2, Census Tract 405.01	1644	61	3.71%
Block Group 1, Census Tract 407	1569	12	0.76%
Block Group 2, Census Tract 407	621	71	11.43%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002			

	Total Population	Minority Population	Minority Population (%)
United States	321,004,407	143,144,776	44.59%
Kentucky	4,424,376	713,768	16.13%
BTADD	56,219	3,333	5.93%
Carter	27,385	878	3.21%
Block Group 1, Census Tract 9604	1232	0	0.00%
Block Group 2, Census Tract 9605	1421	0	0.00%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B03002			

AA Highway - KY9 \ KY10 Study

Campbell County
Percent Minority Group
Block Group Level

Legend

AA Highway - KY9 \ KY10

County Boundary

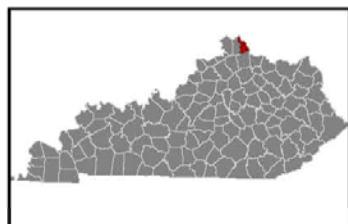
PopMin_Per

0.00% - 8.76%

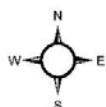
8.77% - 18.0%

18.1% - 34.0%

34.1% - 38.4%



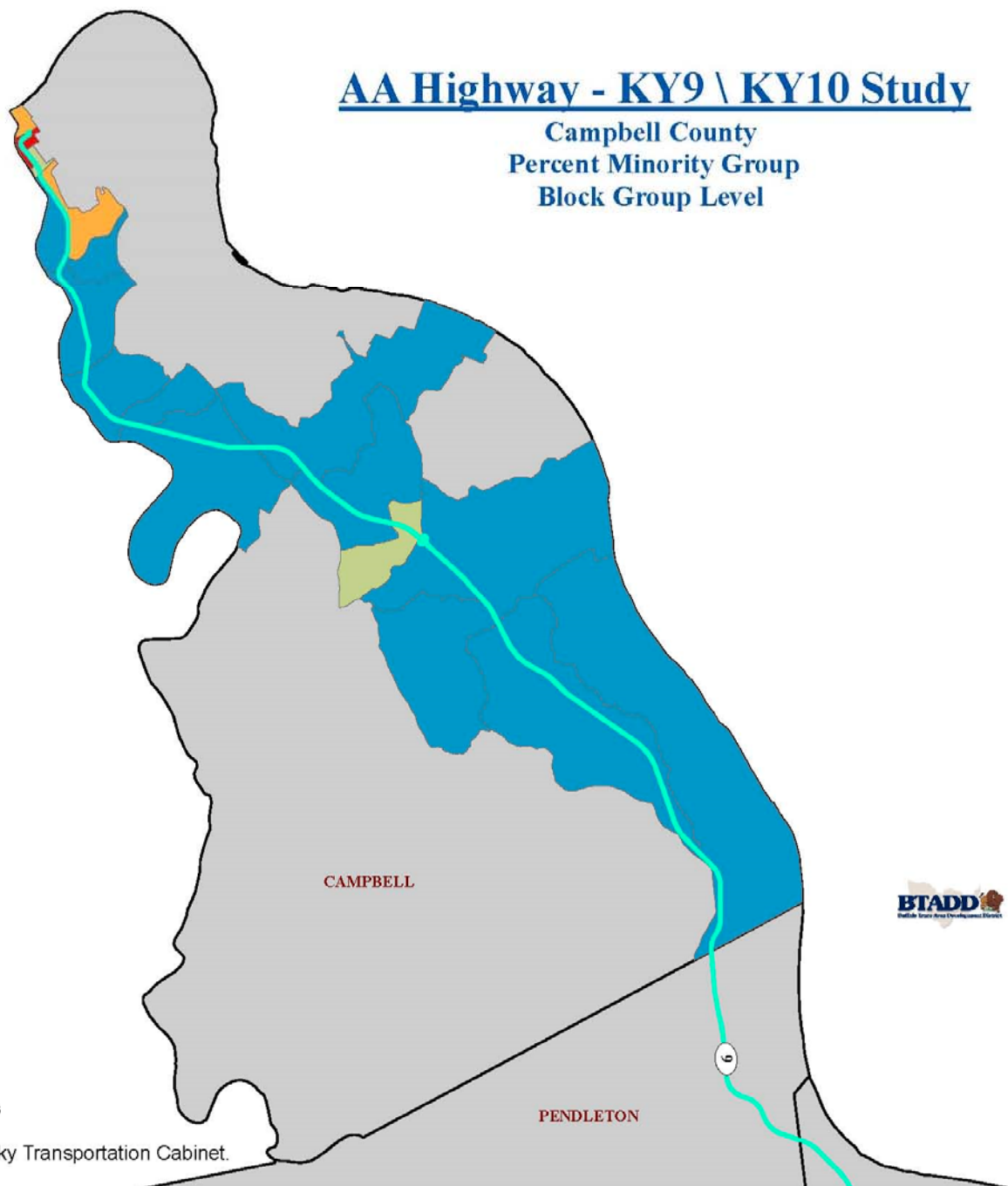
Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B03002 - Hispanic or Latino
Origin by Race



0 1 2 4 6 8 Miles



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AA Highway - KY9 \ KY10 Study

Pendleton County
Percent Minority Group
Block Group Level

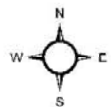
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AA Highway - KY9 \ KY10

PopMin_Per

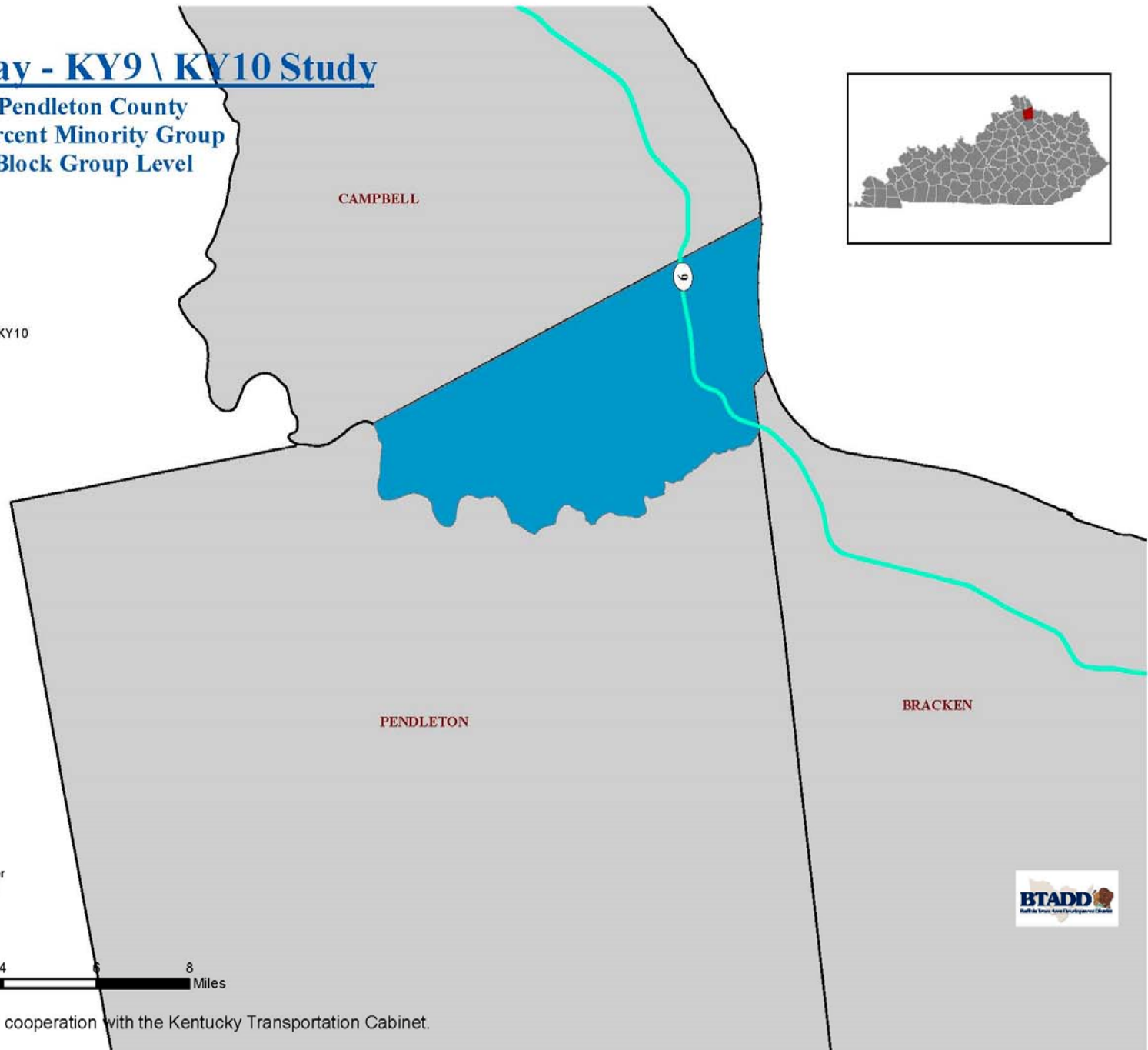
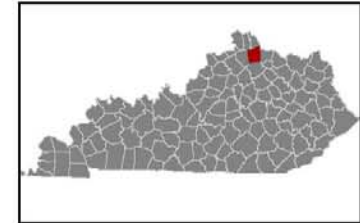
0.00% - 0.97%

County Boundary

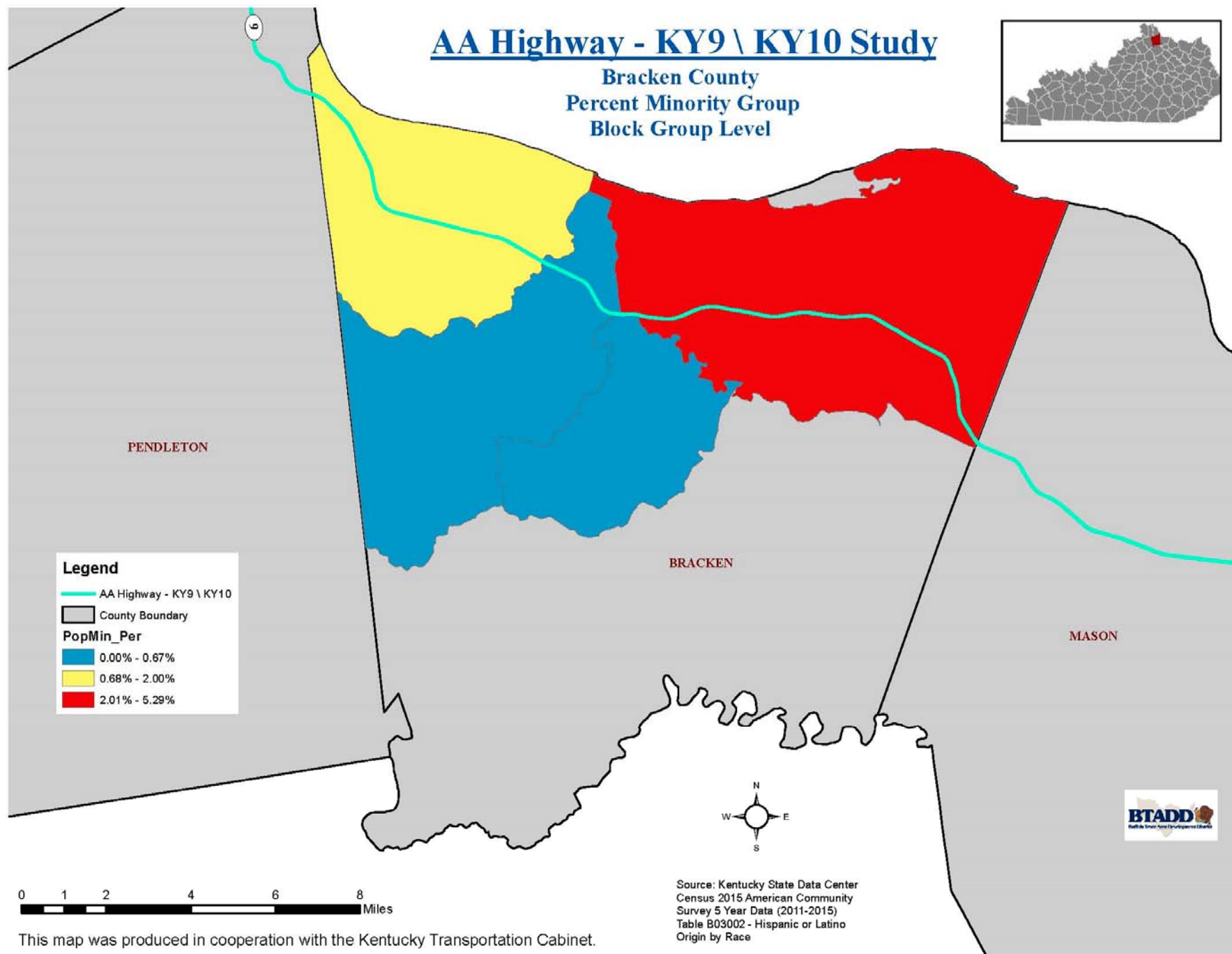


Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B03002 - Hispanic or Latino
Origin by Race

0 1 2 4 6 8 Miles



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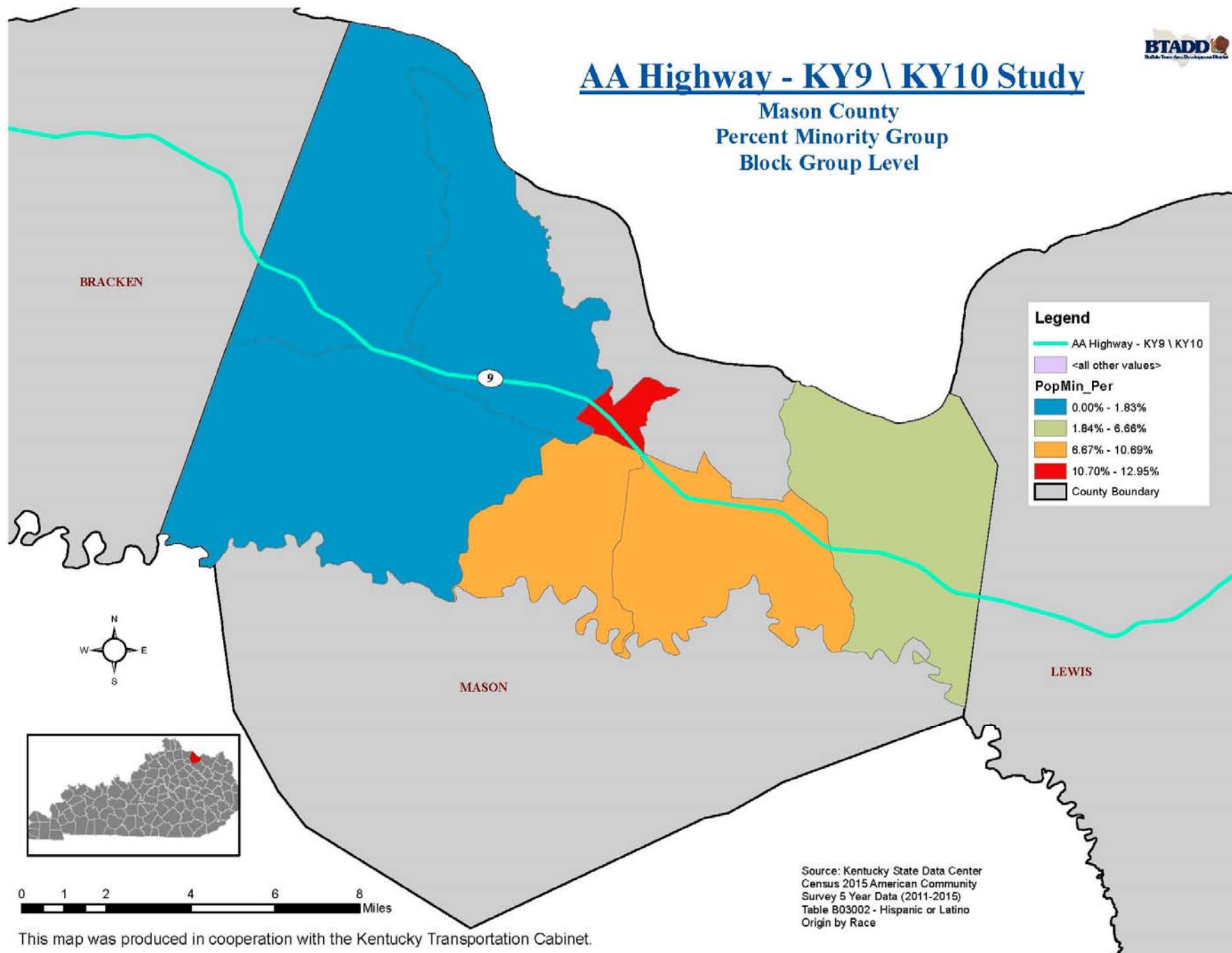


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AA Highway - KY9 \ KY10 Study

Mason County
Percent Minority Group
Block Group Level

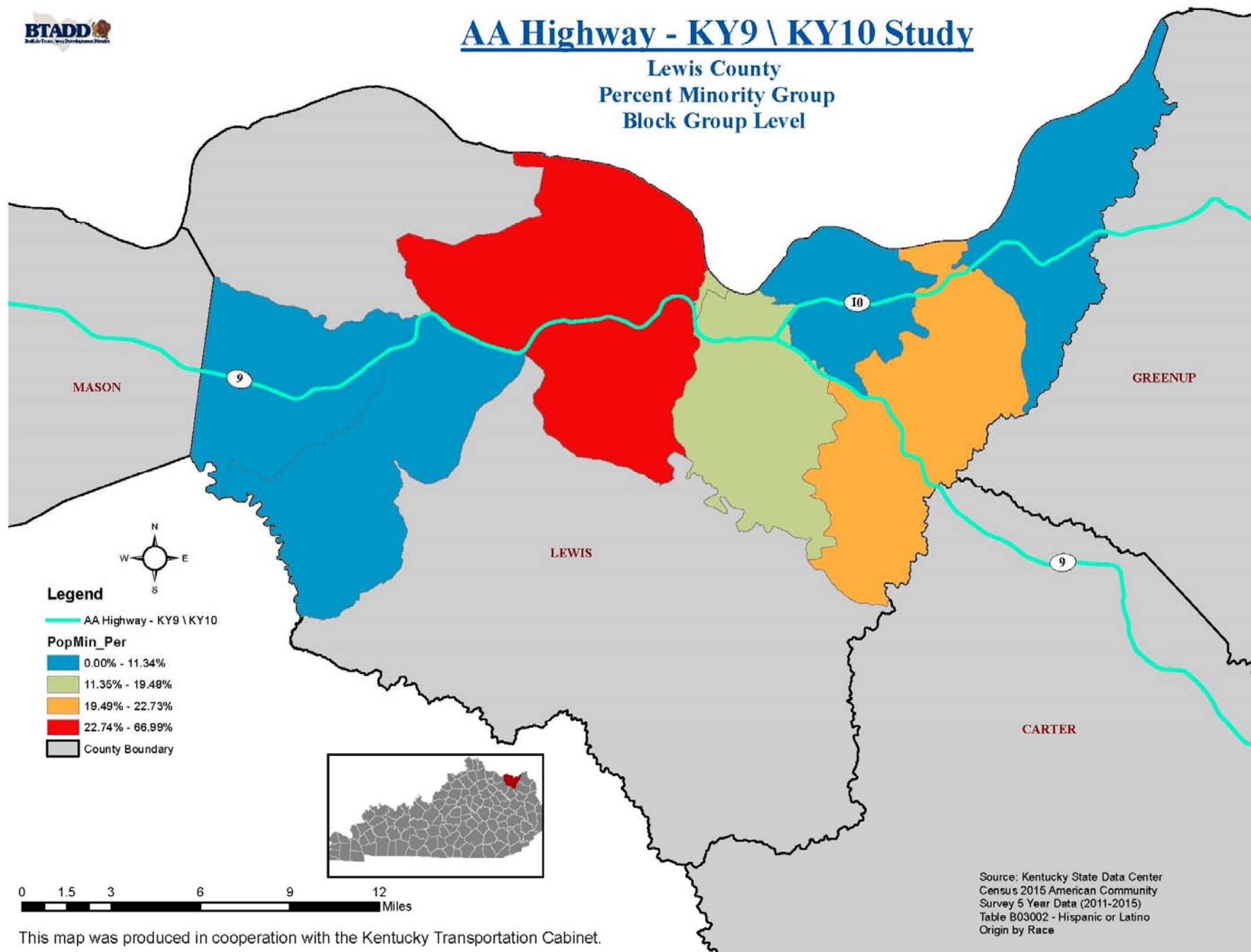


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Lewis County
Percent Minority Group
Block Group Level

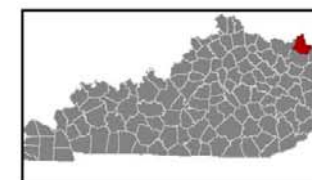
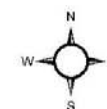
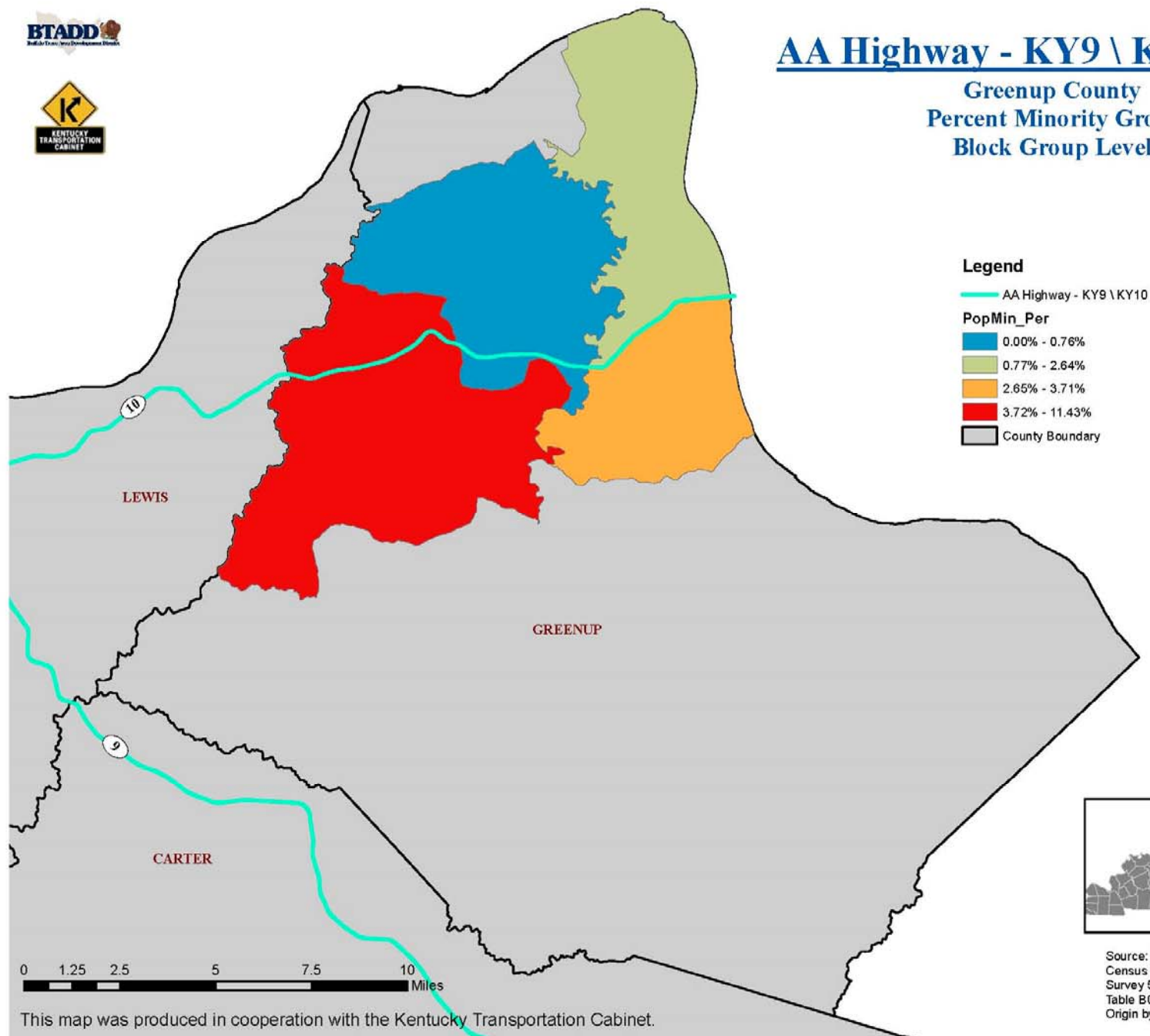


This map was produced in cooperation with the Kentucky Transportation Cabinet.

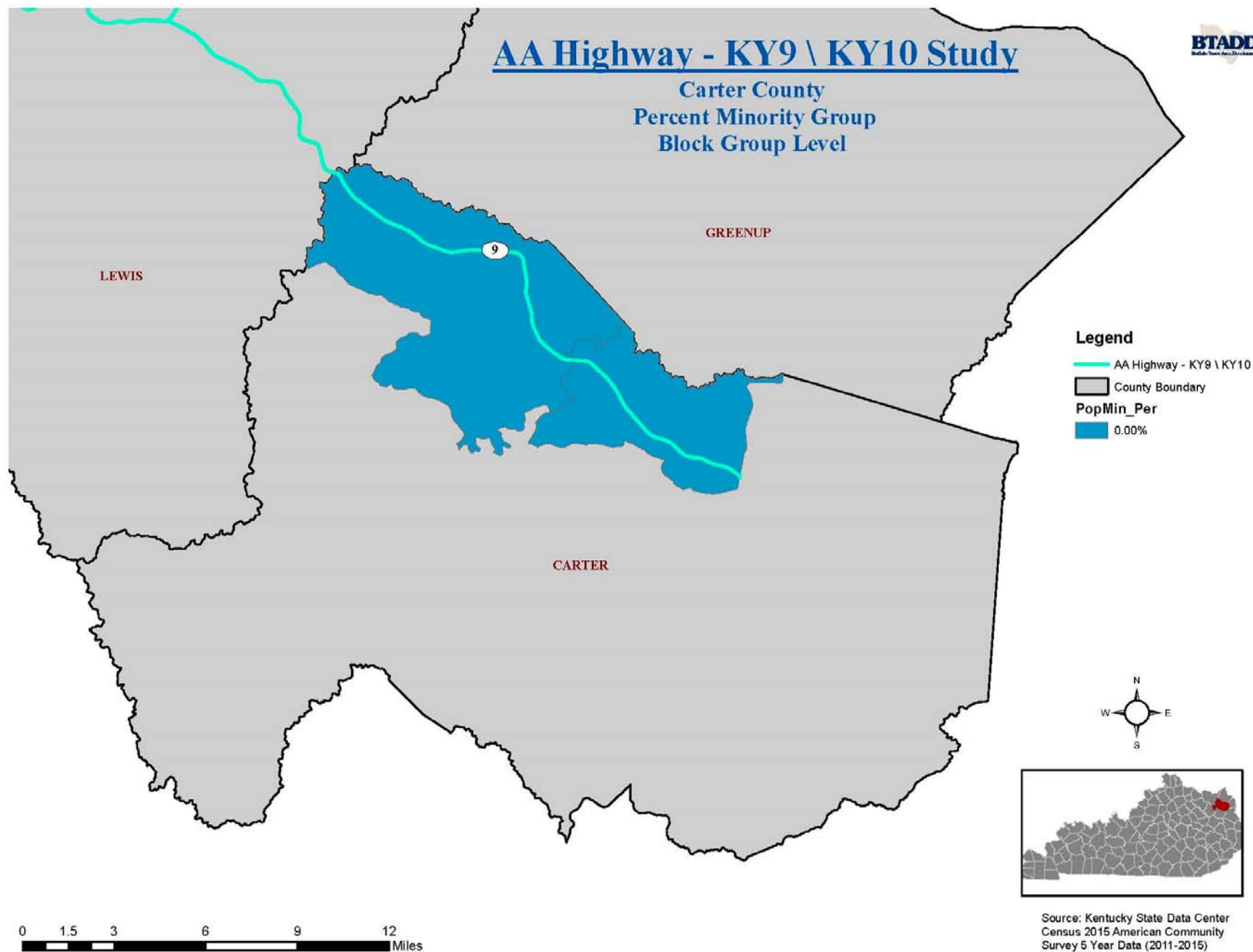


AA Highway - KY9 \ KY10 Study

Greenup County Percent Minority Group Block Group Level

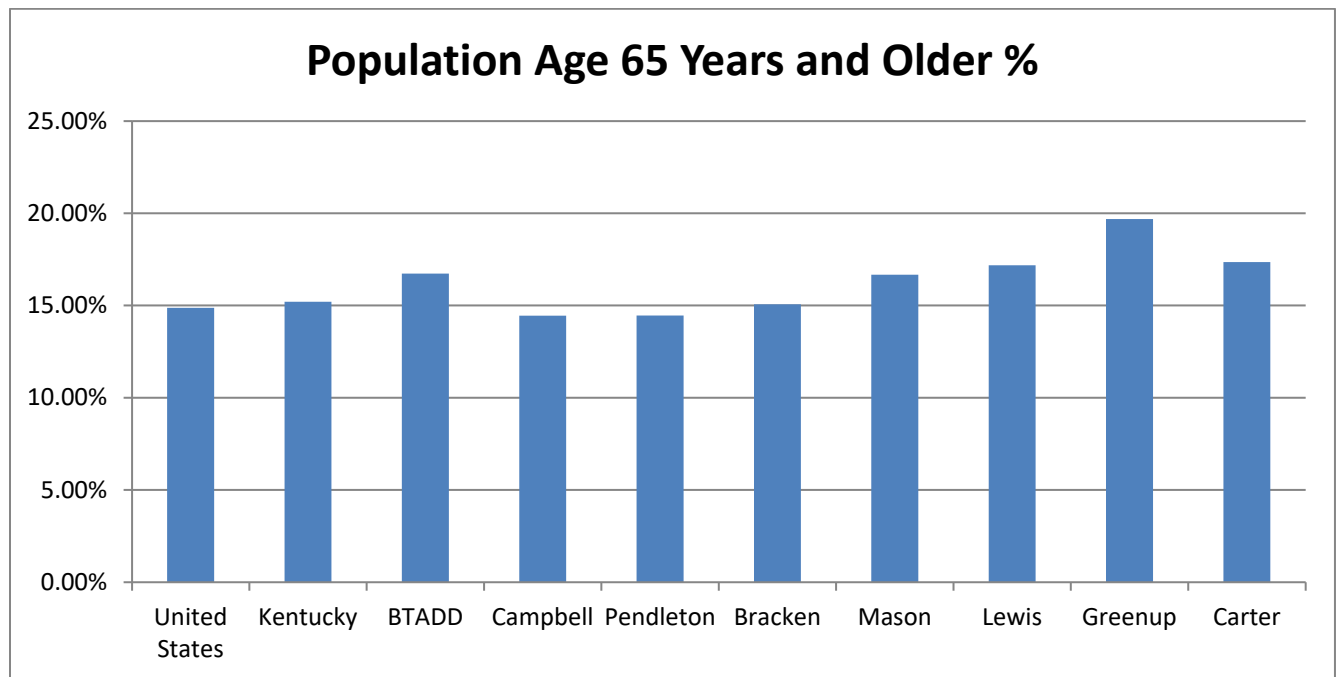


Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B03002 - Hispanic or Latino
Origin by Race



This map was produced in cooperation with the Kentucky Transportation Cabinet.

Population by Persons Age 65 Years and Older



Mason, Lewis, Greenup and Carter Counties all have a higher percentage of *Persons Age 65 Years and Older* than both the state (15.20%) and the U.S. (14.87%). Although those counties are higher as a whole, Bracken and Campbell County had Census Tracts with areas of higher concentrations with Campbell County having the highest of the seven counties. Block Group (BG) 3 of Census Tract (CT) 519.03 has a considerably higher percentage (29.80%) of elderly persons as well as Block Group (BG) 1 of Census Tract (CT) 533.01 (28.08%) .

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Campbell	91,804	13,264	14.45%
Pendleton	14,877	2,151	14.46%
Bracken	8,488	1,278	15.06%
Mason	17,490	2,916	16.67%
Lewis	13,565	2,330	17.18%
Greenup	36,012	7,092	19.69%
Carter	27,385	4,752	17.35%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Campbell	91,804	13,264	14.45%
Block Group 1, Census Tract 501	282	13	4.61%
Block Group 2, Census Tract 501	1374	194	14.12%
Block Group 2, Census Tract 506	735	77	10.48%
Block Group 1, Census Tract 519.01	2508	280	11.16%
Block Group 3, Census Tract 519.01	1848	264	14.29%
Block Group 1, Census Tract 519.03	1792	271	15.12%
Block Group 3, Census Tract 519.03	1094	326	29.80%
Block Group 1, Census Tract 520.02	1108	131	11.82%
Block Group 2, Census Tract 520.02	915	157	17.16%
Block Group 4, Census Tract 525	2555	230	9.00%
Block Group 1, Census Tract 531	1708	203	11.89%
Block Group 2, Census Tract 531	2985	609	20.40%
Block Group 1, Census Tract 533.01	2105	591	28.08%
Block Group 3, Census Tract 533.01	2279	382	16.76%
Block Group 1, Census Tract 533.02	1584	179	11.30%
Block Group 2, Census Tract 533.02	1291	241	18.67%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001			

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Pendleton	14,877	2,151	14.46%
Block Group 2, Census Tract 9301	1656	196	11.84%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001			

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Bracken	8,488	1,278	15.06%
Block Group 2, Census Tract 9501	1589	257	16.17%
Block Group 1, Census Tract 9502	851	168	19.74%
Block Group 2, Census Tract 9502	1061	124	11.69%
Block Group 3, Census Tract 9503	890	196	22.02%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001			

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Mason	17,490	2,916	16.67%
Block Group 1, Census Tract 9601	1832	223	12.17%
Block Group 2, Census Tract 9601	945	186	19.68%
Block Group 2, Census Tract 9603	1158	285	24.61%
Block Group 1, Census Tract 9604	928	130	14.01%
Block Group 2, Census Tract 9604	735	157	21.36%
Block Group 3, Census Tract 9604	1052	106	10.08%
Block Group 4, Census Tract 9604	1609	288	17.90%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001			

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Lewis	13,565	2,330	17.18%
Block Group 1, Census Tract 9301	968	194	20.04%
Block Group 2, Census Tract 9301	1620	330	20.37%
Block Group 3, Census Tract 9301	1764	197	11.17%
Block Group 1, Census Tract 9302	2090	417	19.95%
Block Group 2, Census Tract 9302	1297	199	15.34%
Block Group 3, Census Tract 9302	616	108	17.53%
Block Group 2, Census Tract 9303	636	122	19.18%
Block Group 3, Census Tract 9303	1933	369	19.09%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Greenup	36,012	7,092	19.69%
Block Group 1, Census Tract 405.01	1628	291	17.87%
Block Group 2, Census Tract 405.01	1644	275	16.73%
Block Group 1, Census Tract 407	1569	244	15.55%
Block Group 2, Census Tract 407	621	92	14.81%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001

	Total Population	Population Age 65 Years and Older	Population Age 65 Years and Older (%)
United States	321,004,407	47,732,389	14.87%
Kentucky	4,424,376	672,706	15.20%
BTADD	56,219	9,406	16.73%
Carter	27,385	4,752	17.35%
Block Group 1, Census Tract 9604	1232	243	19.72%
Block Group 2, Census Tract 9605	1421	216	15.20%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B01001

AA Highway - KY9 \ KY10 Study

Campbell County
Percent Population Age 65 Years and Older
Block Group Level

Legend

AA Highway - KY9 \ KY10

County Boundary

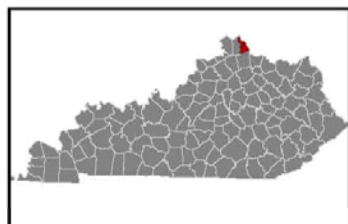
Ageov65_Pe

0.00% - 10.4%

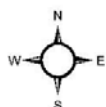
10.5% - 15.0%

15.1% - 20.0%

20.1% - 29.8%



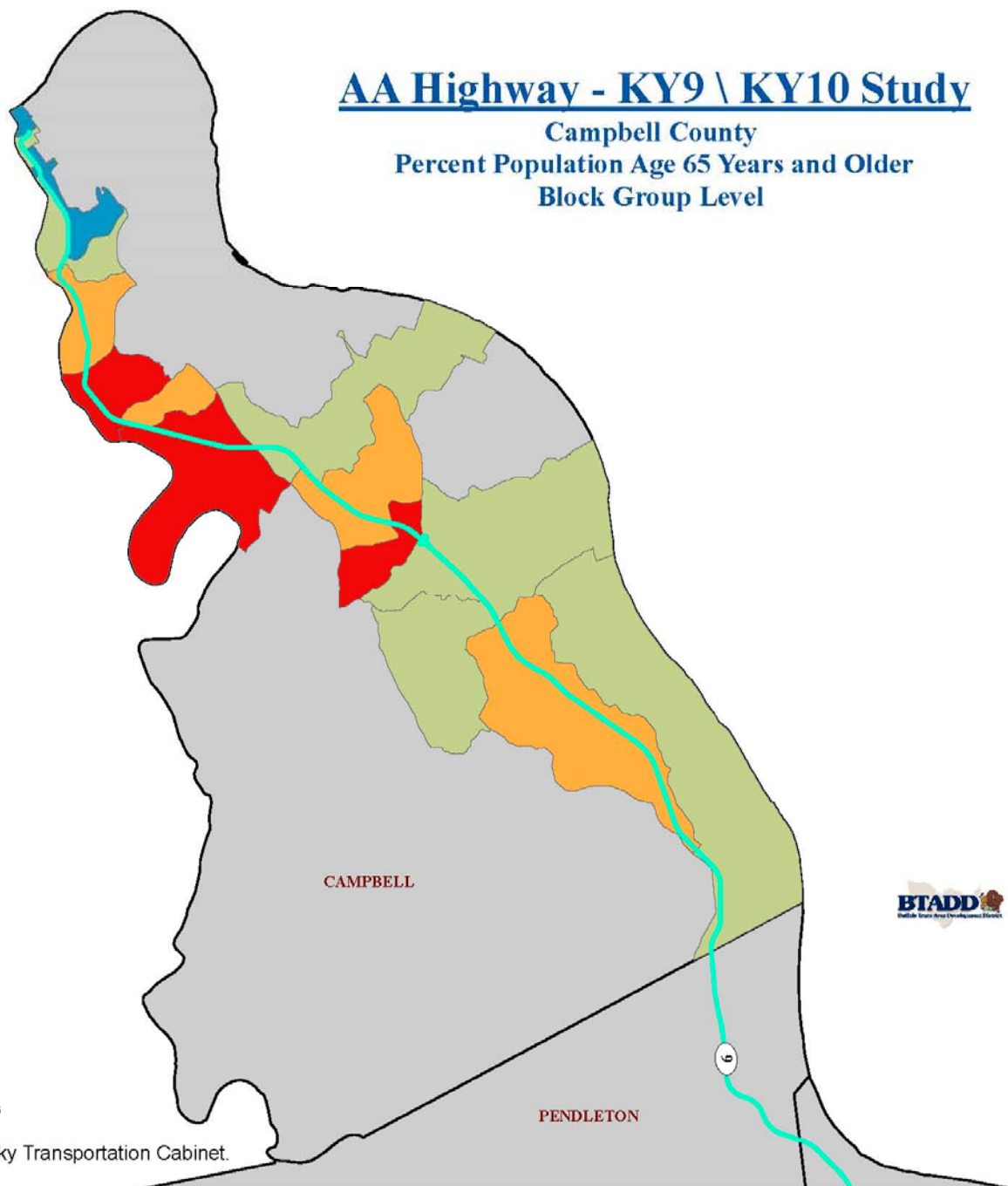
Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B01001 - Sex by Age



0 1 2 4 6 8 Miles



This map was produced in cooperation with the Kentucky Transportation Cabinet.

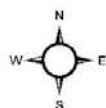
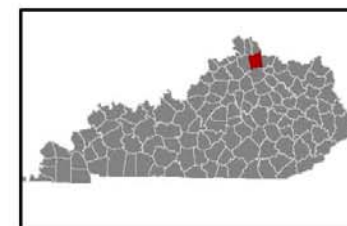


AA Highway - KY9 \ KY10 Study

Pendleton County
Percent Population Age 65 Years and Older
Block Group Level

Legend

- AA Highway - KY9 \ KY10
- County Boundary
- <all other values>
- Ageov65_Pe
- 0.00% - 11.84%

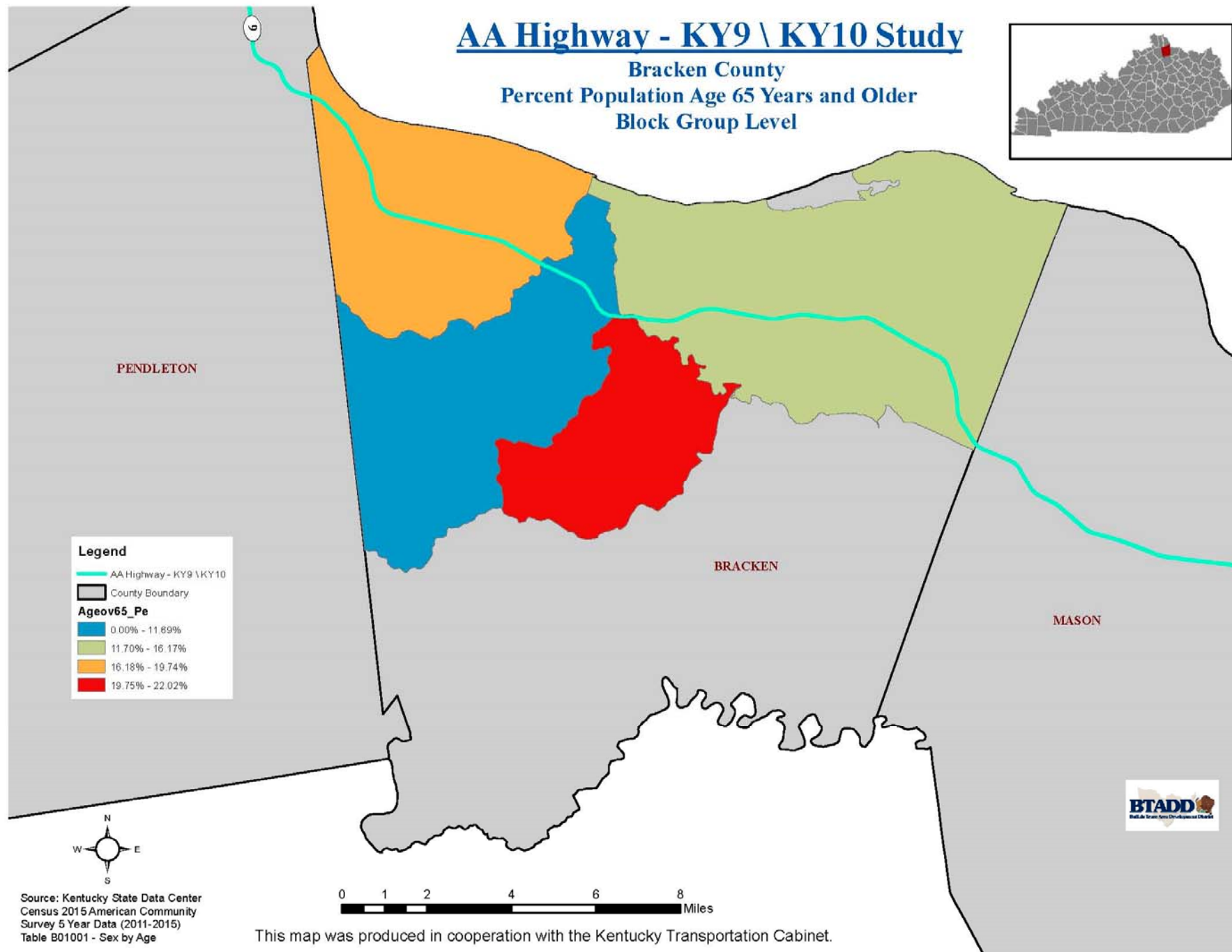


Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B01001 - Sex by Age

0 1 2 4 6 8 Miles

This map was produced in cooperation with the Kentucky Transportation Cabinet.

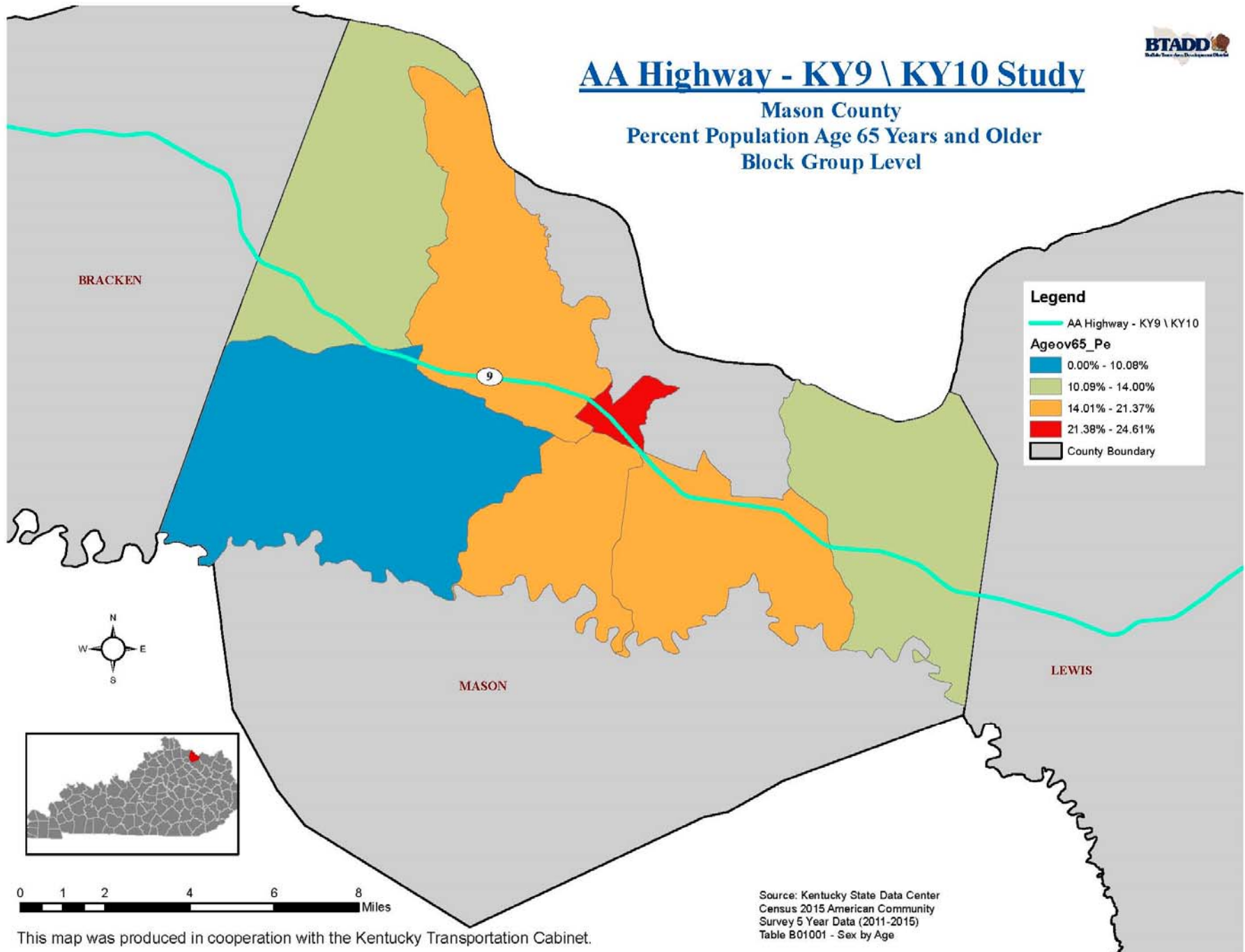






AA Highway - KY9 \ KY10 Study

Mason County
Percent Population Age 65 Years and Older
Block Group Level

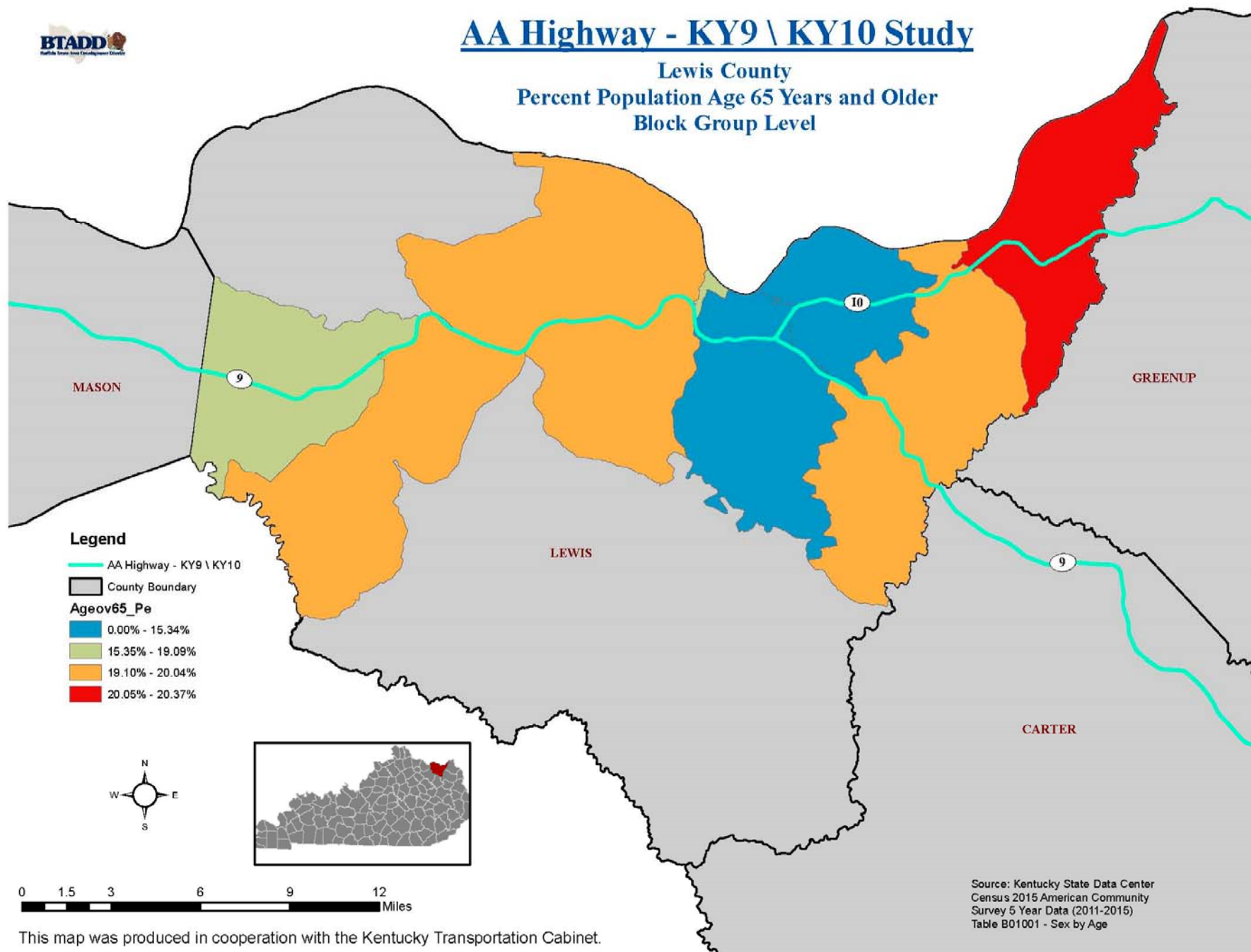


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Lewis County
Percent Population Age 65 Years and Older
Block Group Level

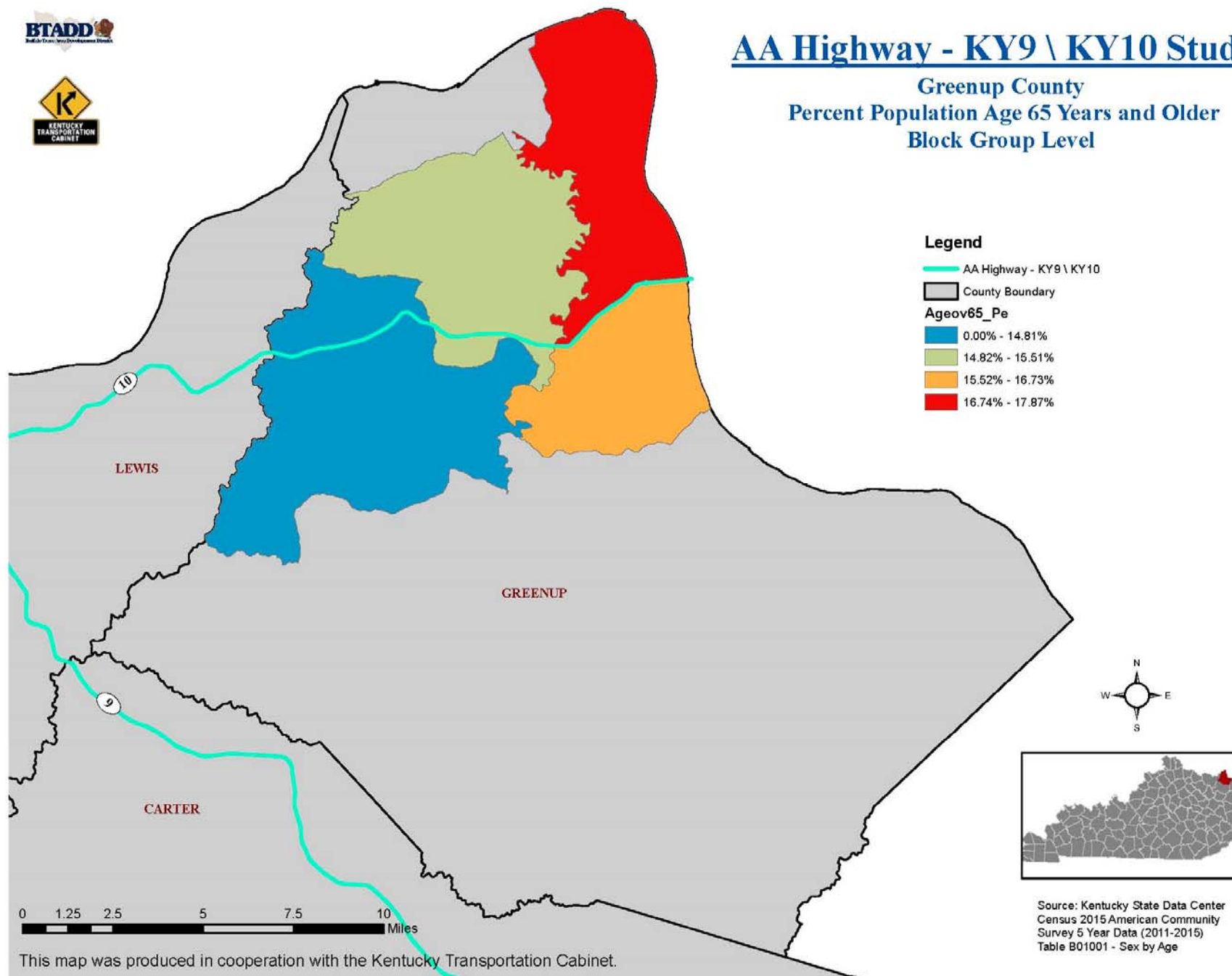


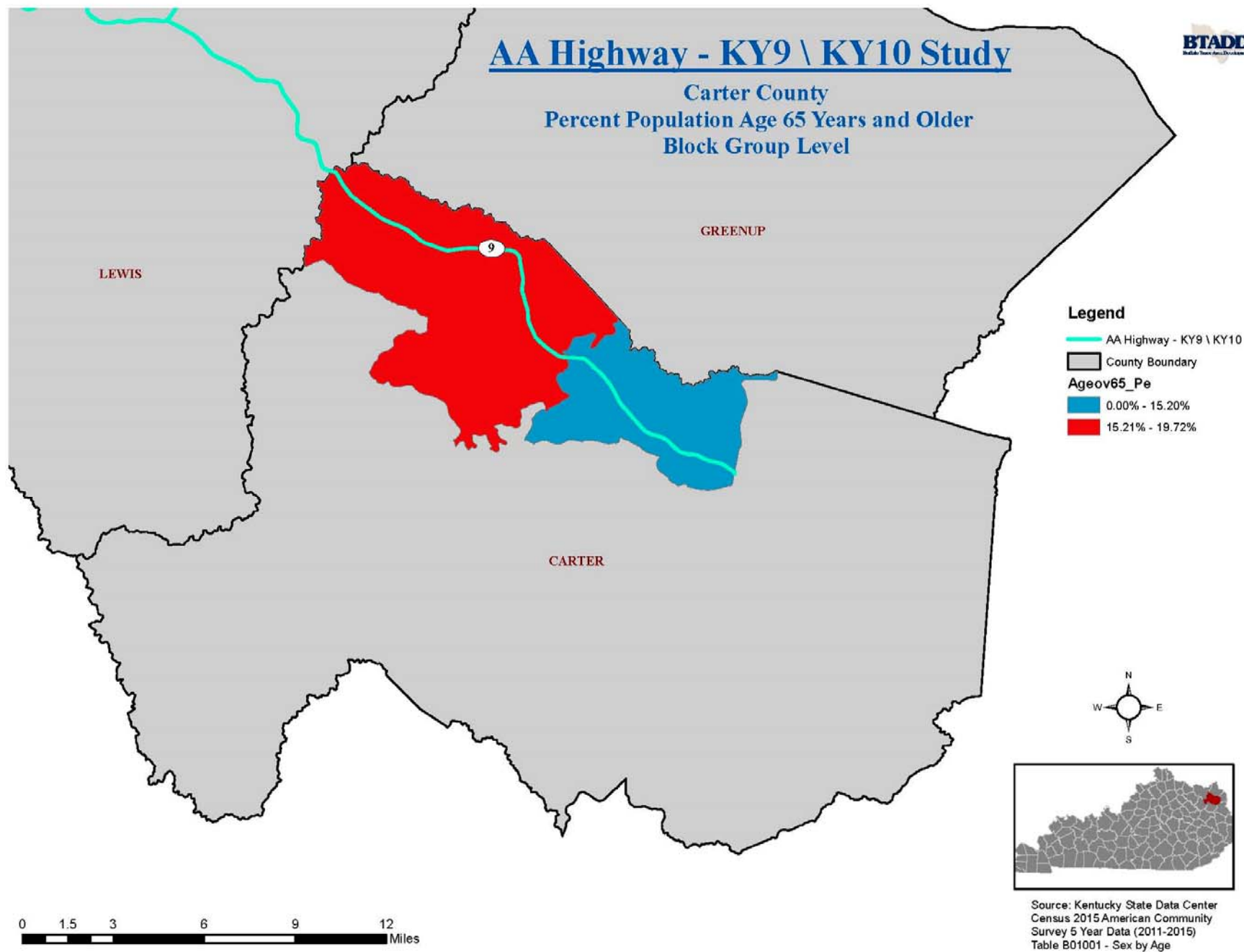
This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

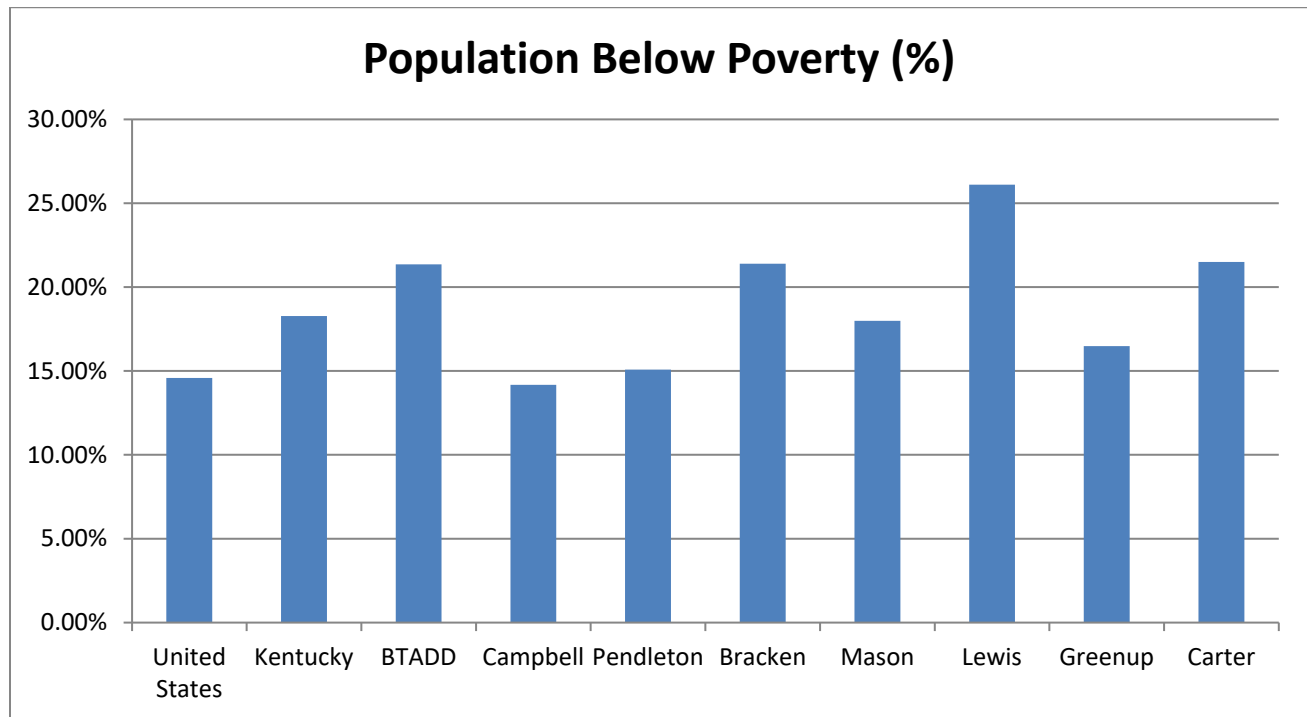
Greenup County
Percent Population Age 65 Years and Older
Block Group Level





This map was produced in cooperation with the Kentucky Transportation Cabinet.

Population by Persons below Poverty Level



The percentage of persons living below the poverty level in Kentucky (18.27%) is higher than that of the United States (14.58%). The counties that the AA highway cover all have a higher percentage than that of state with the exception of Campbell County (14.17%), which has the highest percentage in Block Group (BG) 2 of Census Tract (CT) 501 (70.14%).

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Campbell	88,483	12,541	14.17%
Pendleton	14,345	2,163	15.08%
Bracken	8,252	1,765	21.39%
Mason	16,733	3,011	17.99%
Lewis	13,361	3,487	26.10%
Greenup	35,469	5,846	16.48%
Carter	26,567	5,711	21.50%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021			

Socioeconomic Study, AA Highway

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Campbell	88,483	12,541	14.17%
Block Group 1, Census Tract 501	282	56	19.86%
Block Group 2, Census Tract 501	1343	942	70.14%
Block Group 2, Census Tract 506	735	296	40.27%
Block Group 1, Census Tract 519.01	2508	103	4.11%
Block Group 3, Census Tract 519.01	1848	94	5.09%
Block Group 1, Census Tract 519.03	1792	326	18.19%
Block Group 3, Census Tract 519.03	1094	344	31.44%
Block Group 1, Census Tract 520.02	1087	70	6.44%
Block Group 2, Census Tract 520.02	915	66	7.21%
Block Group 4, Census Tract 525	2555	500	19.57%
Block Group 1, Census Tract 531	1703	380	22.31%
Block Group 2, Census Tract 531	2985	84	2.81%
Block Group 1, Census Tract 533.01	2105	421	20.00%
Block Group 3, Census Tract 533.01	2255	74	3.28%
Block Group 1, Census Tract 533.02	1544	261	16.90%
Block Group 2, Census Tract 533.02	1291	101	7.82%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021			

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Pendleton	14,345	2,163	15.08%
Block Group 2, Census Tract 9301	1656	82	4.95%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021			

Socioeconomic Study, AA Highway

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Bracken	8,252	1,765	21.39%
Block Group 2, Census Tract 9501	1555	416	26.75%
Block Group 1, Census Tract 9502	845	173	20.47%
Block Group 2, Census Tract 9502	1061	82	7.73%
Block Group 3, Census Tract 9503	886	227	25.62%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Mason	16,733	3,011	17.99%
Block Group 1, Census Tract 9601	1747	518	29.65%
Block Group 2, Census Tract 9601	938	41	4.37%
Block Group 2, Census Tract 9603	1024	120	11.72%
Block Group 1, Census Tract 9604	928	36	3.88%
Block Group 2, Census Tract 9604	735	66	8.98%
Block Group 3, Census Tract 9604	1052	87	8.27%
Block Group 4, Census Tract 9604	1609	235	14.61%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Lewis	13,361	3,487	26.10%
Block Group 1, Census Tract 9301	968	270	27.89%
Block Group 2, Census Tract 9301	1620	172	10.62%
Block Group 3, Census Tract 9301	1764	405	22.96%
Block Group 1, Census Tract 9302	2090	503	24.07%
Block Group 2, Census Tract 9302	1181	601	50.89%
Block Group 3, Census Tract 9302	563	249	44.23%
Block Group 2, Census Tract 9303	636	152	23.90%
Block Group 3, Census Tract 9303	1919	444	23.14%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021			

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Greenup	35,469	5,846	16.48%
Block Group 1, Census Tract 405.01	1628	250	15.36%
Block Group 2, Census Tract 405.01	1631	220	13.49%
Block Group 1, Census Tract 407	1569	170	10.83%
Block Group 2, Census Tract 407	605	159	26.28%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021			

	Total Population	Population Below Poverty	Population Below Poverty (%)
United States	313,048,563	45,650,345	14.58%
Kentucky	4,287,887	783,586	18.27%
BTADD	54,897	11,722	21.35%
Carter	26,567	5,711	21.50%
Block Group 1, Census Tract 9604	1225	260	21.22%
Block Group 2, Census Tract 9605	1395	184	13.19%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B17021			

AA Highway - KY9 \ KY10 Study

Campbell County
Percent Poverty Status of Individuals
Block Group Level

Legend

AA Highway - KY9 \ KY10

County Boundary

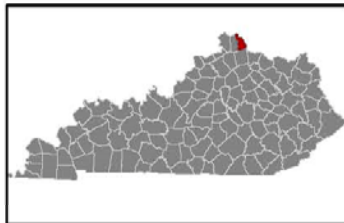
Pov_Perc

0.00% - 7.82%

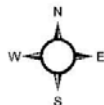
7.82% - 20.00%

20.01% - 31.44%

31.45% - 70.14%

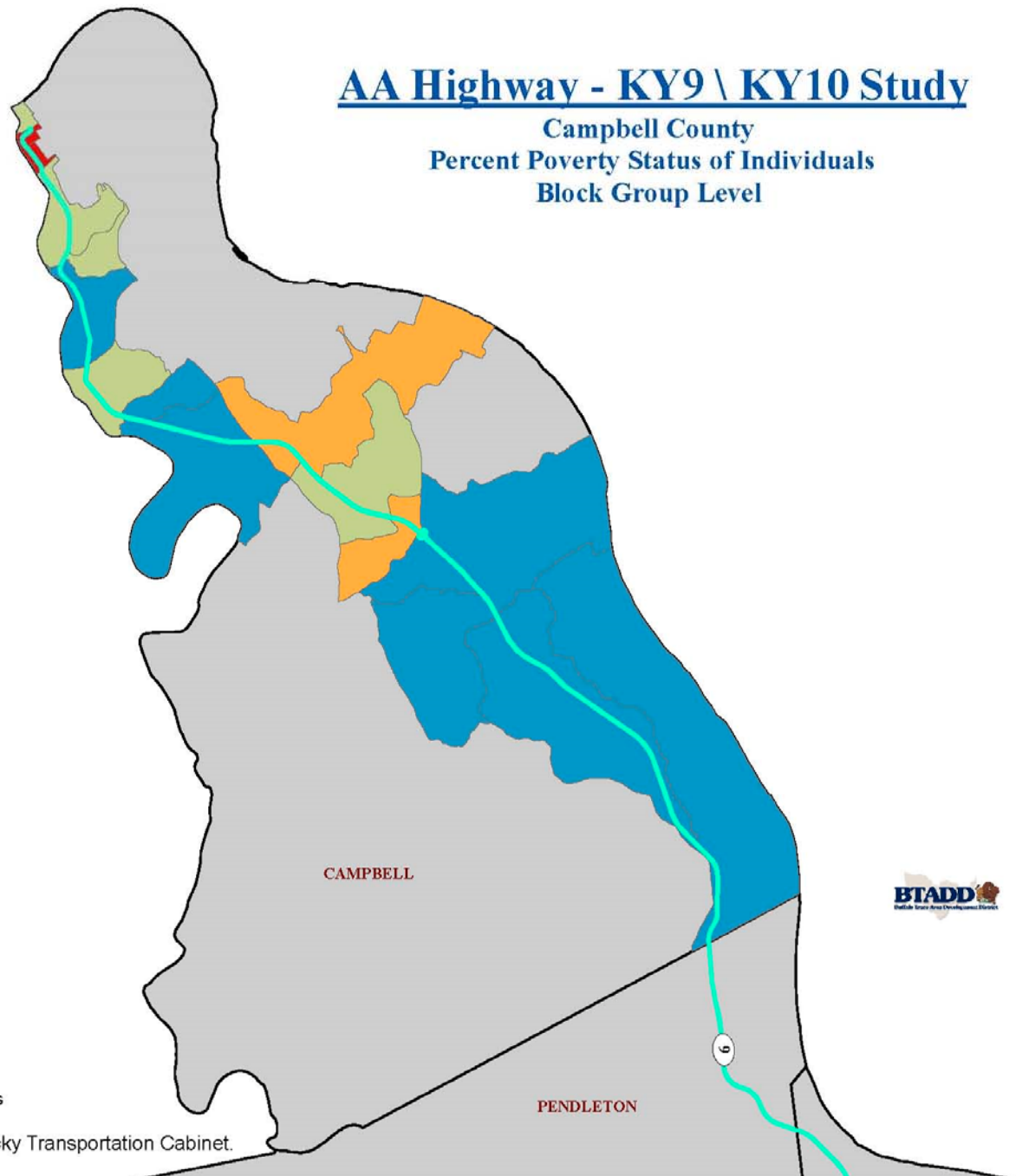


Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B17021 - Poverty Status of Individuals
in the Past 12 Months by Living Arrangement



0 1 2 4 6 8 Miles

This map was produced in cooperation with the Kentucky Transportation Cabinet.

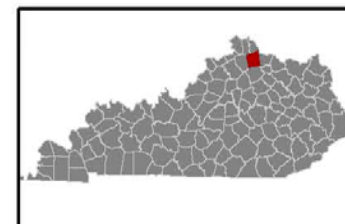


AA Highway - KY9 \ KY10 Study

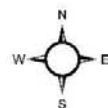
Pendleton County Percent Poverty Status of Individuals Block Group Level

Legend

- AA Highway - KY9 \ KY10
- County Boundary
- % Poverty
- 0.00% - 4.95%



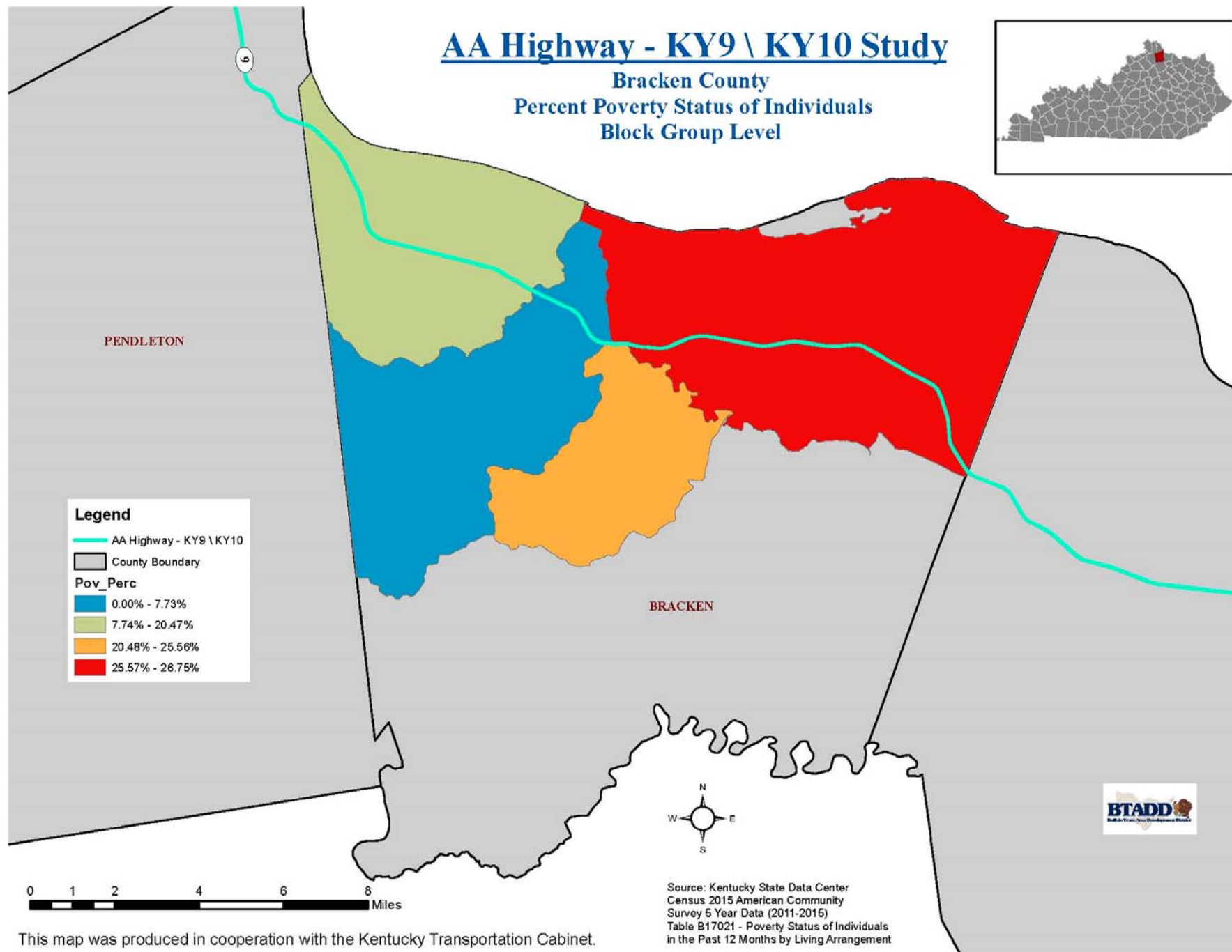
Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B17021 - Poverty Status of Individuals
in the Past 12 Months by Living Arrangement



0 1 2 4 6 8 Miles

This map was produced in cooperation with the Kentucky Transportation Cabinet.

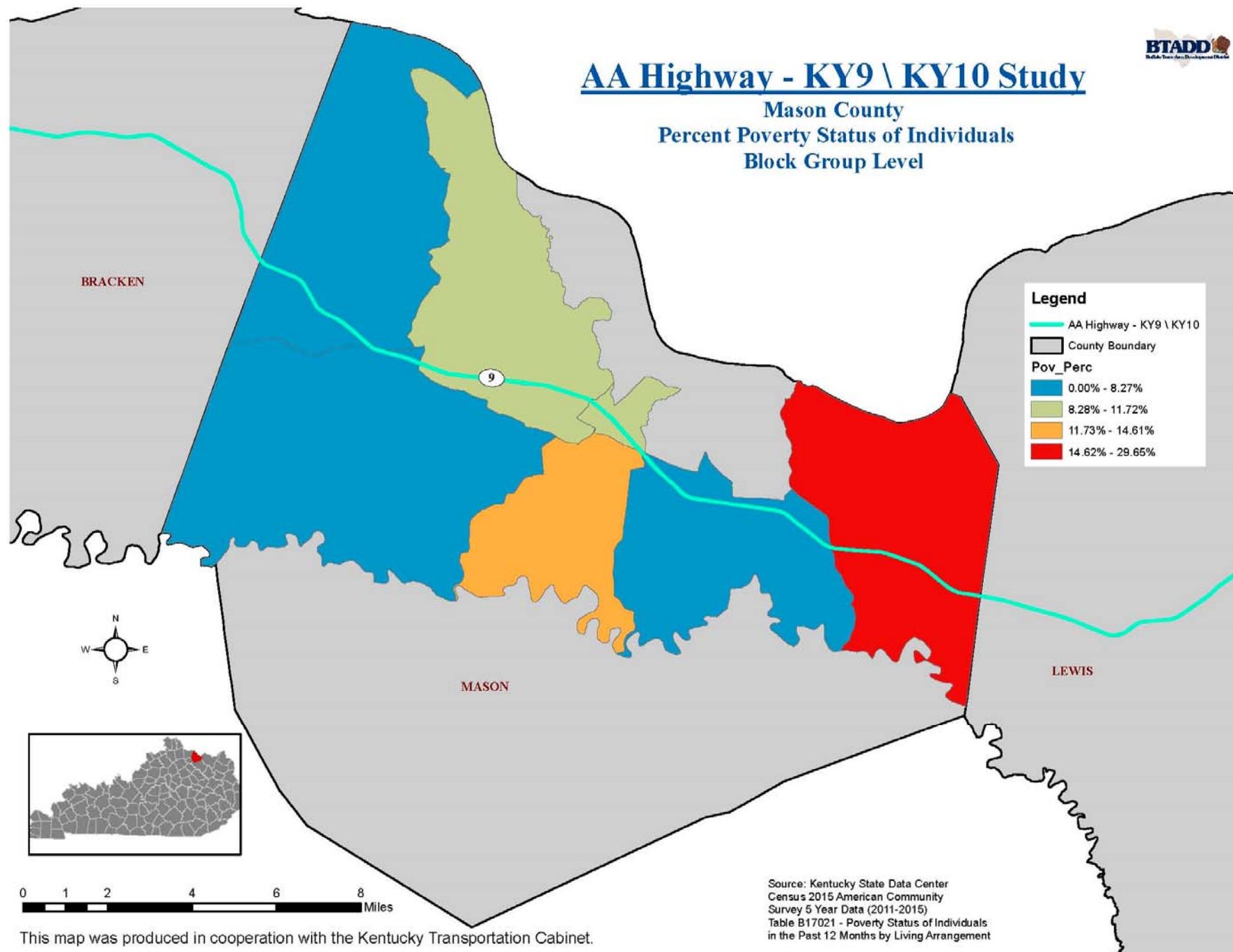






AA Highway - KY9 \ KY10 Study

Mason County
Percent Poverty Status of Individuals
Block Group Level

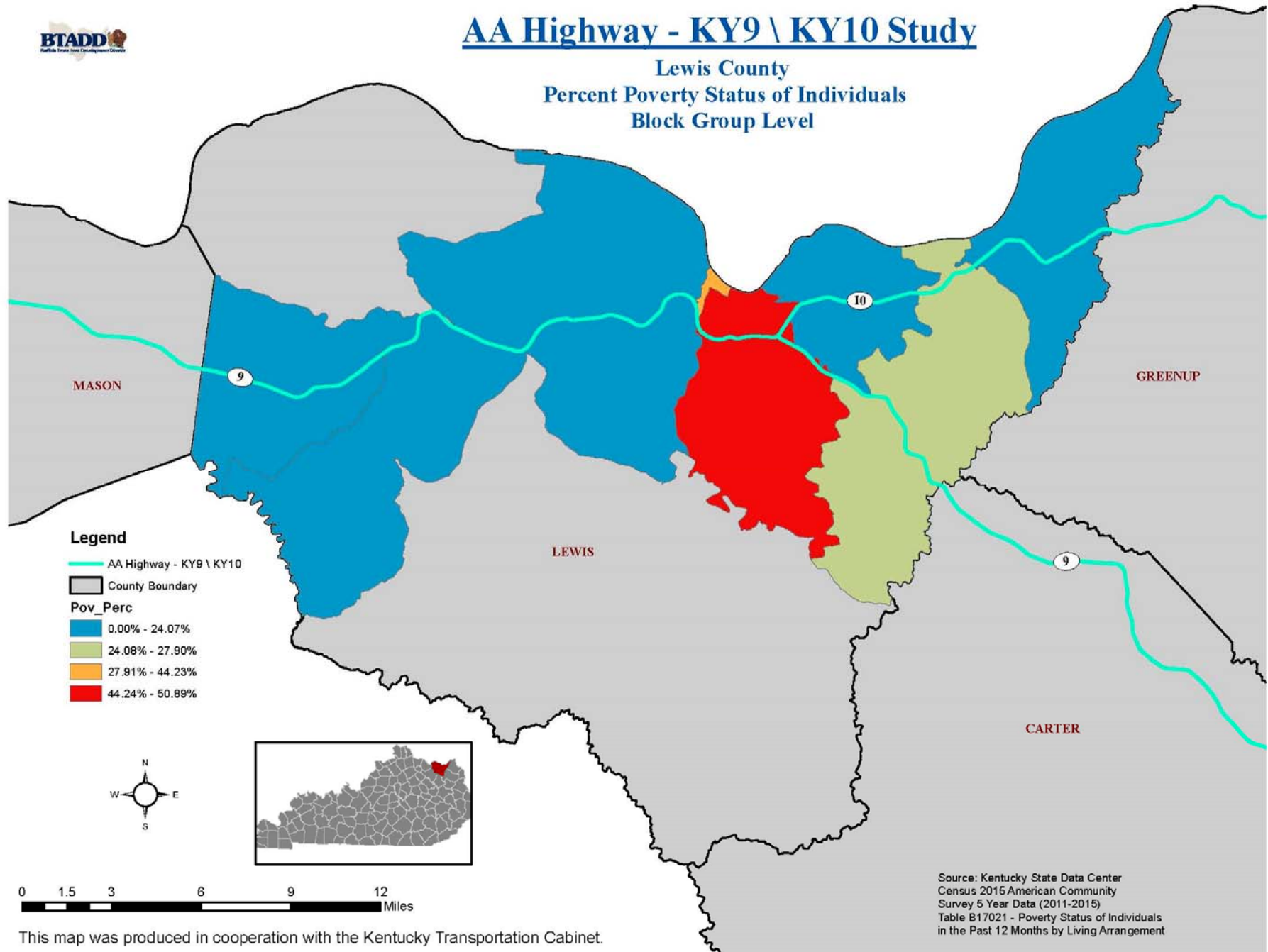


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Lewis County
Percent Poverty Status of Individuals
Block Group Level

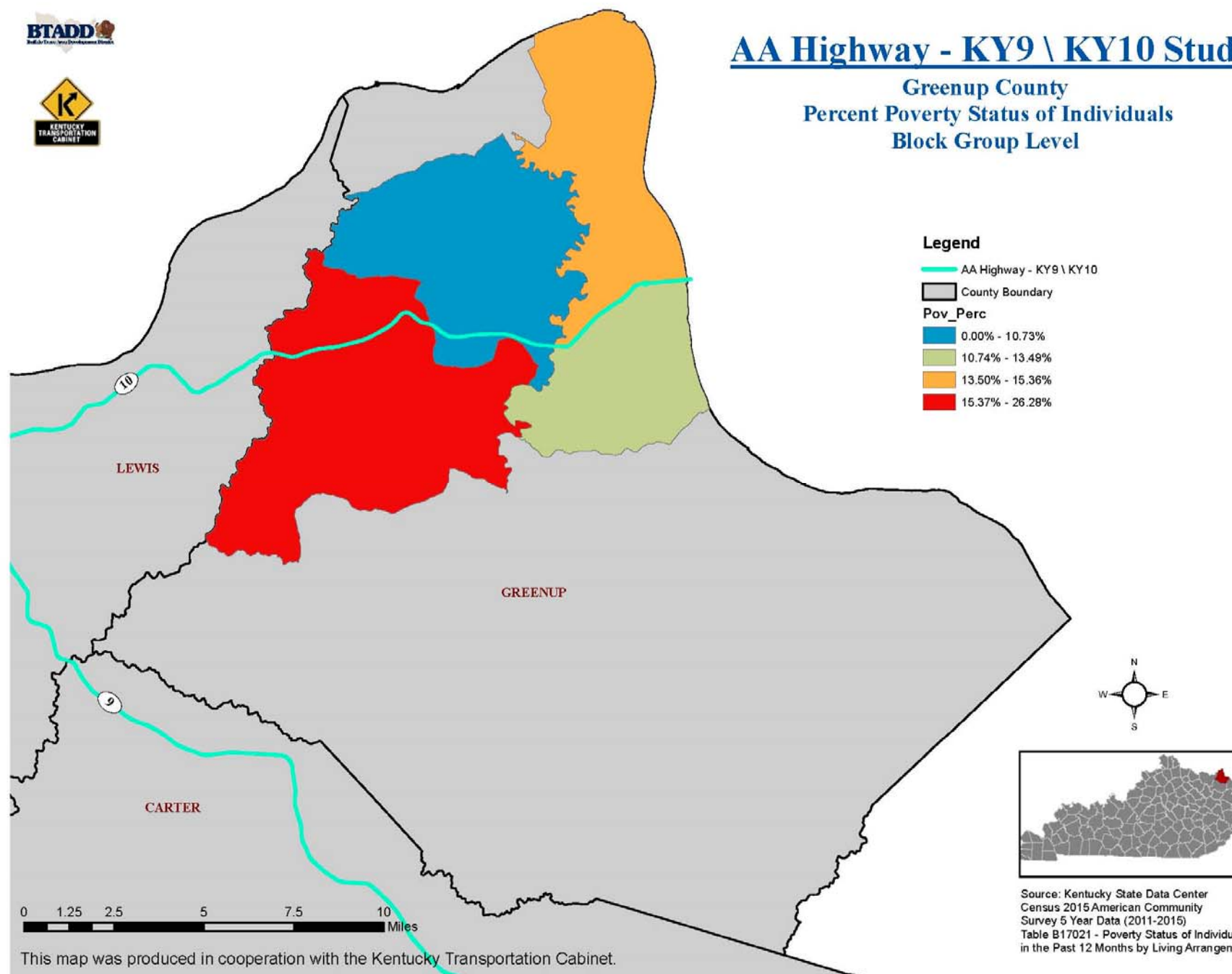


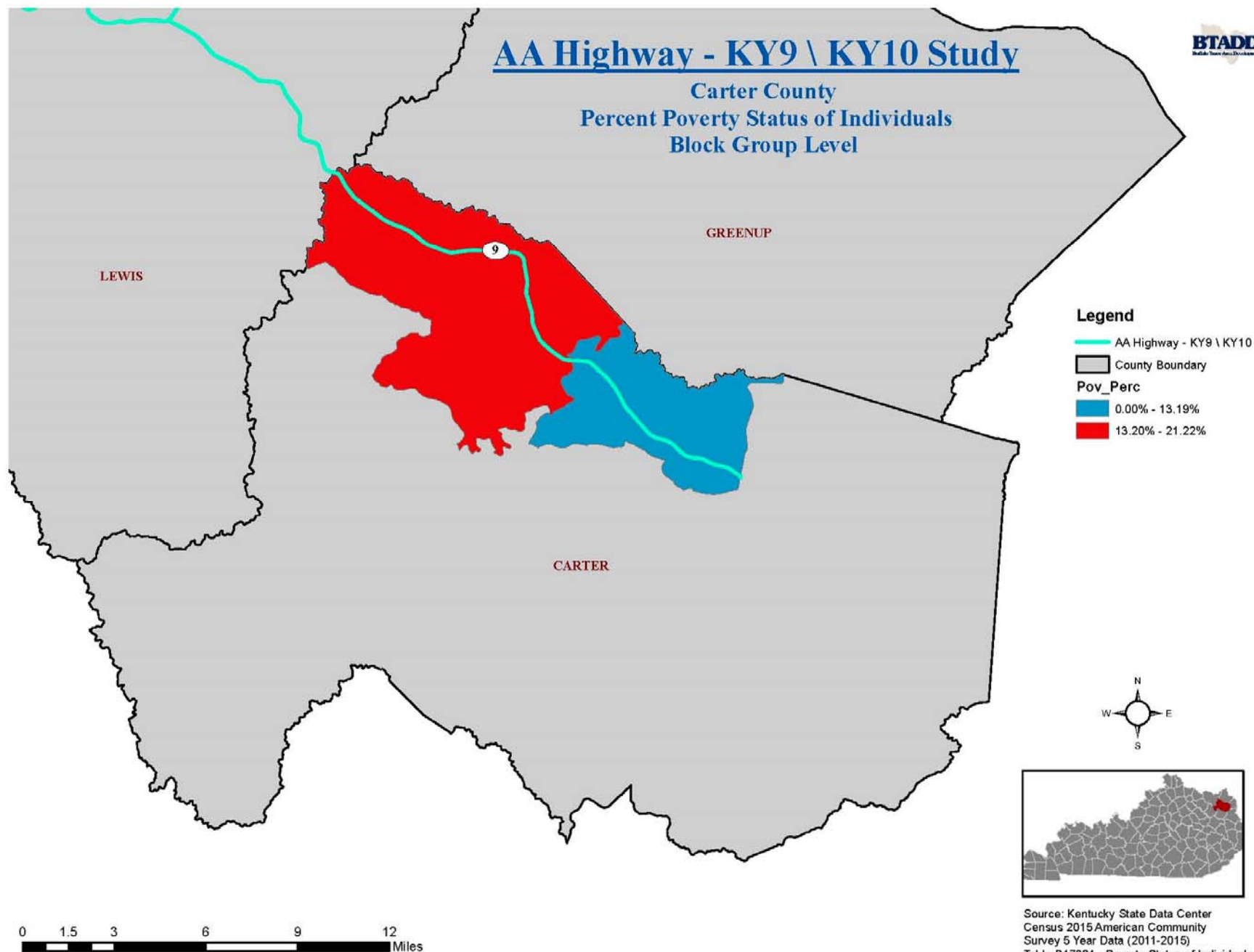
This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

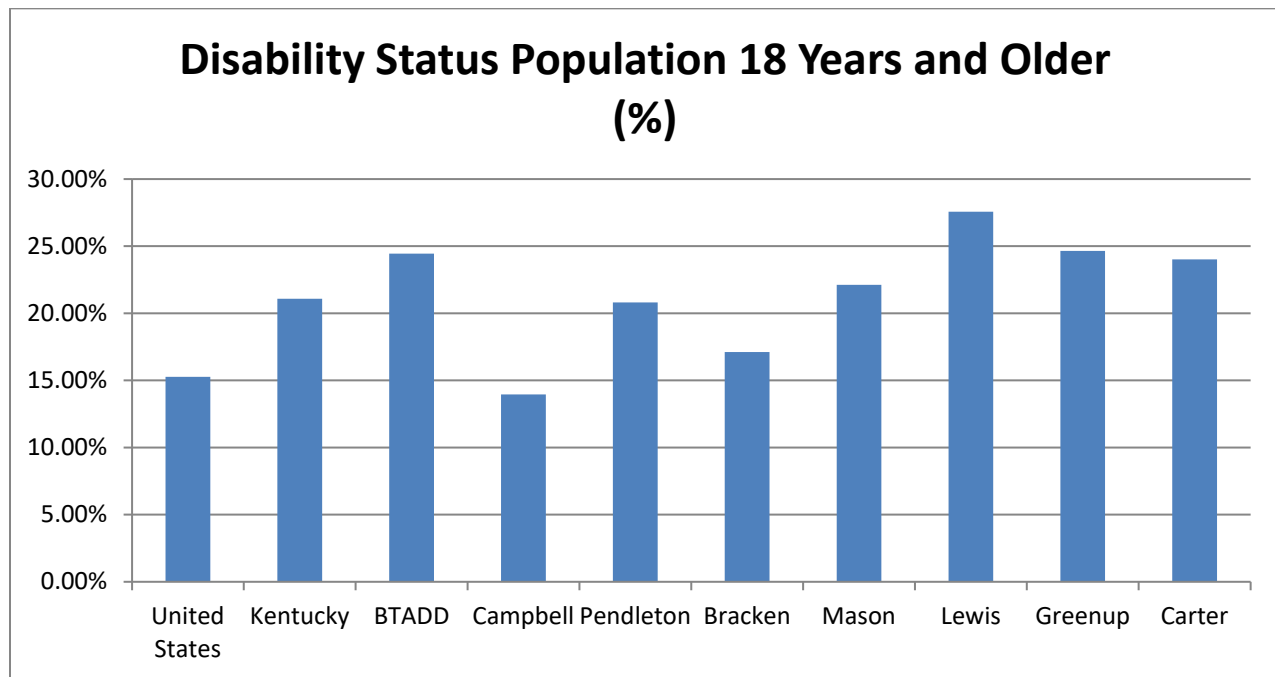
Greenup County Percent Poverty Status of Individuals Block Group Level





This map was produced in cooperation with the Kentucky Transportation Cabinet.

Population by Disability Status



According to 2013-2017 American Community Survey numbers, Kentucky had 21.08% percent of its population age 18 years and older with some type of disability. This is higher than the national percentage (15.26%). Lewis County reported the highest (27.57%) with Campbell County reporting the lowest (13.95%). Lewis County's Block Group (BG) 2 of Census Tract (CT) 9302 also reported the highest in the target areas

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Campbell	69,088	9,635	13.95%
Pendleton	11,141	2,318	20.81%
Bracken	6,237	1,067	17.11%
Mason	12,837	2,839	22.12%
Lewis	10,404	2,868	27.57%
Greenup	27,792	6,851	24.65%
Carter	20,513	4,927	24.02%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Campbell	69,088	9,635	13.95%
Block Group 1, Census Tract 501	251	17	6.77%
Block Group 2, Census Tract 501	895	216	24.13%
Block Group 2, Census Tract 506	534	163	30.52%
Block Group 1, Census Tract 519.01	1899	159	8.37%
Block Group 3, Census Tract 519.01	1359	199	14.64%
Block Group 1, Census Tract 519.03	1213	72	5.94%
Block Group 3, Census Tract 519.03	955	144	15.08%
Block Group 1, Census Tract 520.02	810	73	9.01%
Block Group 2, Census Tract 520.02	737	132	17.91%
Block Group 4, Census Tract 525	1870	224	11.98%
Block Group 1, Census Tract 531	1310	201	15.34%
Block Group 2, Census Tract 531	2418	380	15.72%
Block Group 1, Census Tract 533.01	1937	265	13.68%
Block Group 3, Census Tract 533.01	1722	226	13.12%
Block Group 1, Census Tract 533.02	1361	187	13.74%
Block Group 2, Census Tract 533.02	1107	113	10.21%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Pendleton	11,141	2,318	20.81%
Block Group 2, Census Tract 9301	1258	116	9.22%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Bracken	6,237	1,067	17.11%
Block Group 2, Census Tract 9501	1125	183	16.27%
Block Group 1, Census Tract 9502	656	128	19.51%
Block Group 2, Census Tract 9502	806	116	14.39%
Block Group 3, Census Tract 9503	714	191	26.75%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Mason	12,837	2,839	22.12%
Block Group 1, Census Tract 9601	1363	368	27.00%
Block Group 2, Census Tract 9601	727	139	19.12%
Block Group 2, Census Tract 9603	886	205	23.14%
Block Group 1, Census Tract 9604	747	119	15.93%
Block Group 2, Census Tract 9604	610	72	11.80%
Block Group 3, Census Tract 9604	743	60	8.08%
Block Group 4, Census Tract 9604	1124	198	17.62%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Lewis	10,404	2,868	27.57%
Block Group 1, Census Tract 9301	782	225	28.77%
Block Group 2, Census Tract 9301	1322	302	22.84%
Block Group 3, Census Tract 9301	1333	363	27.23%
Block Group 1, Census Tract 9302	1550	460	29.68%
Block Group 2, Census Tract 9302	911	428	46.98%
Block Group 3, Census Tract 9302	464	189	40.73%
Block Group 2, Census Tract 9303	546	116	21.25%
Block Group 3, Census Tract 9303	1376	271	19.69%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Greenup	27,792	6,851	24.65%
Block Group 1, Census Tract 405.01	1307	409	31.29%
Block Group 2, Census Tract 405.01	1198	320	26.71%
Block Group 1, Census Tract 407	1145	251	21.92%
Block Group 2, Census Tract 407	461	130	28.20%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

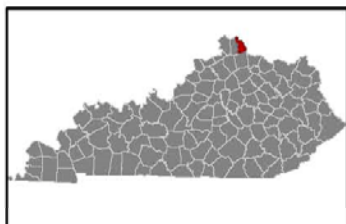
	Total Population Age 16-64 Years	Disability Status Population Age 16-64	Disability Status Population 18 Years and Older
United States	239,923,407	36,619,327	15.26%
Kentucky	3,288,295	693,113	21.08%
BTADD	42,103	10,288	24.44%
Carter	20,513	4,927	24.02%
Block Group 1, Census Tract 9604	926	285	30.78%
Block Group 2, Census Tract 9605	1,021	190	18.61%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007			

AA Highway - KY9 \ KY10 Study

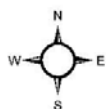
Campbell County
Percent Disability Status
Block Group Level

Legend

- AA Highway - KY9 \ KY10
- County Boundary
- PopDis_Per**
- 0.00% - 9.01%
- 9.02% - 13.74%
- 13.75% - 17.91%
- 17.92% - 30.52%



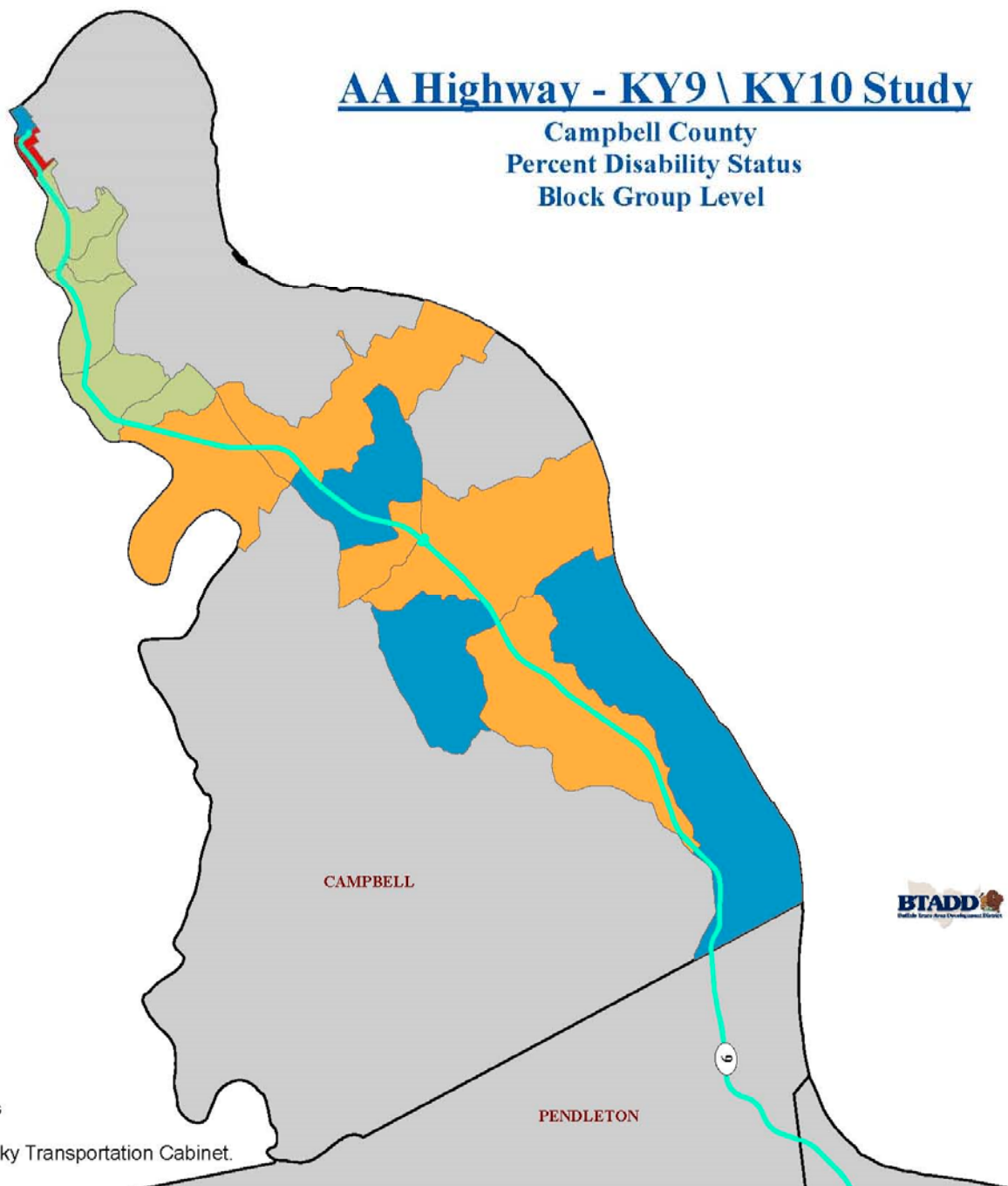
Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table C21007 - Age by Veteran Status
by Poverty Status in the Past 12 Months
by Disability Status

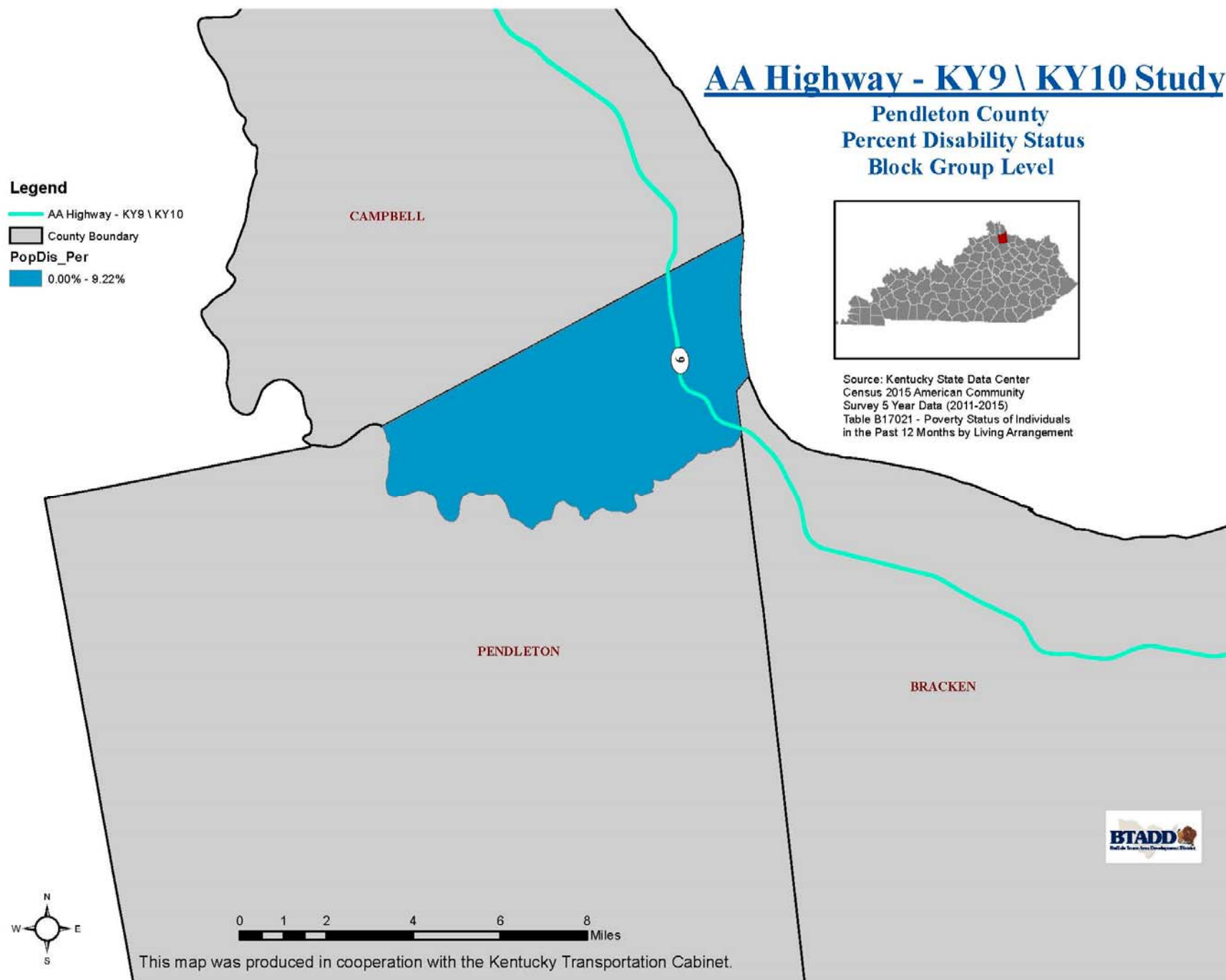


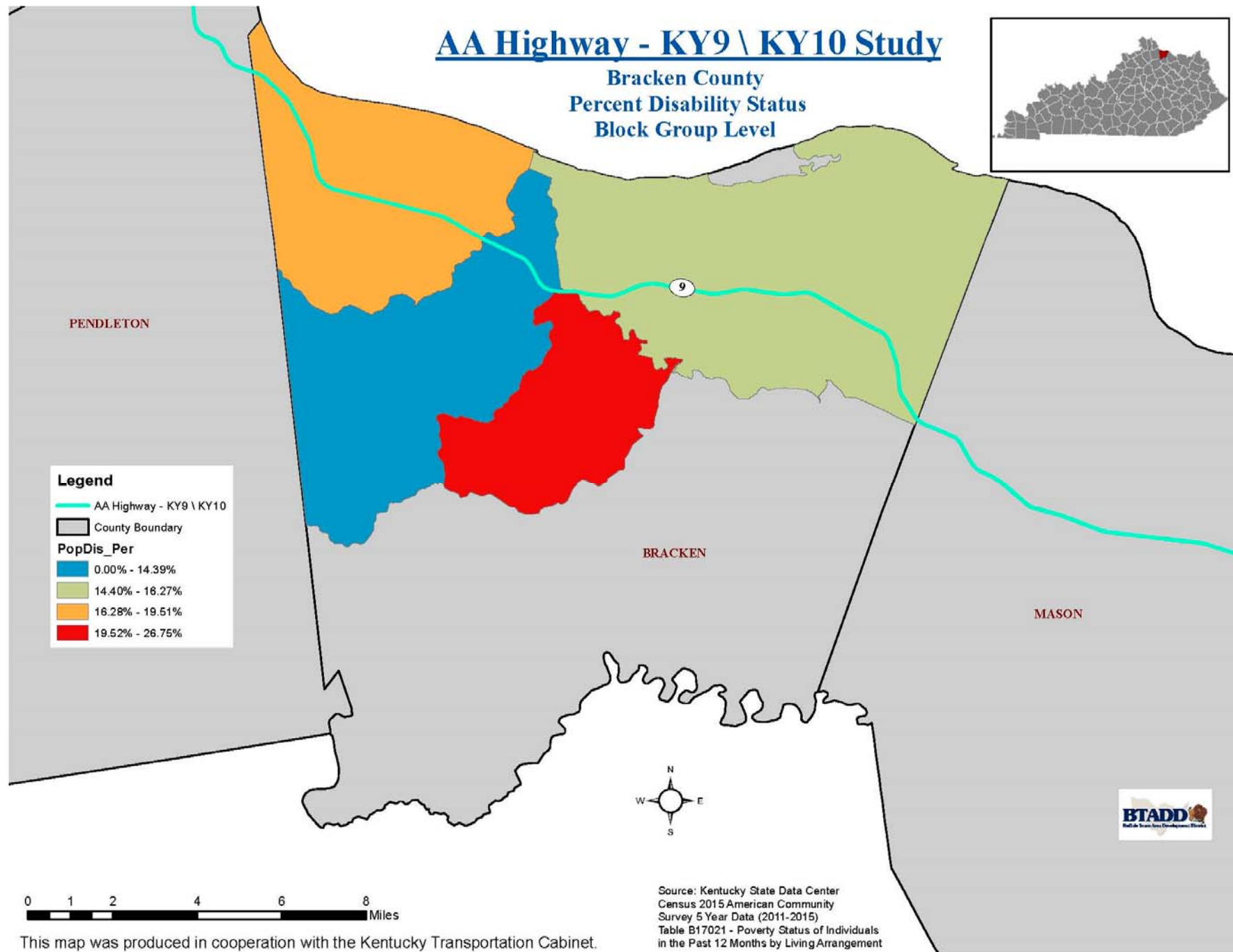
0 1 2 4 6 8 Miles



This map was produced in cooperation with the Kentucky Transportation Cabinet.





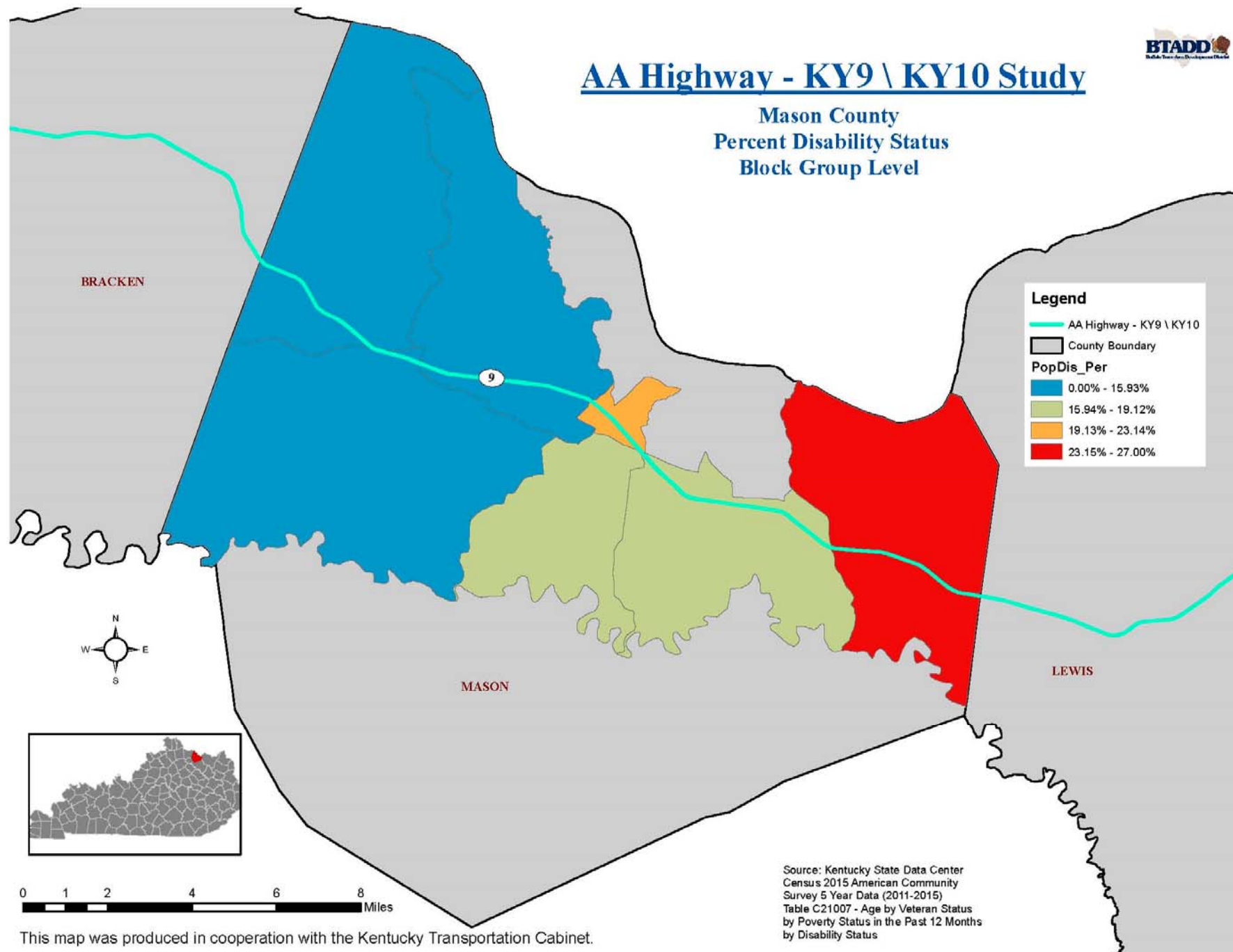


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Mason County
Percent Disability Status
Block Group Level

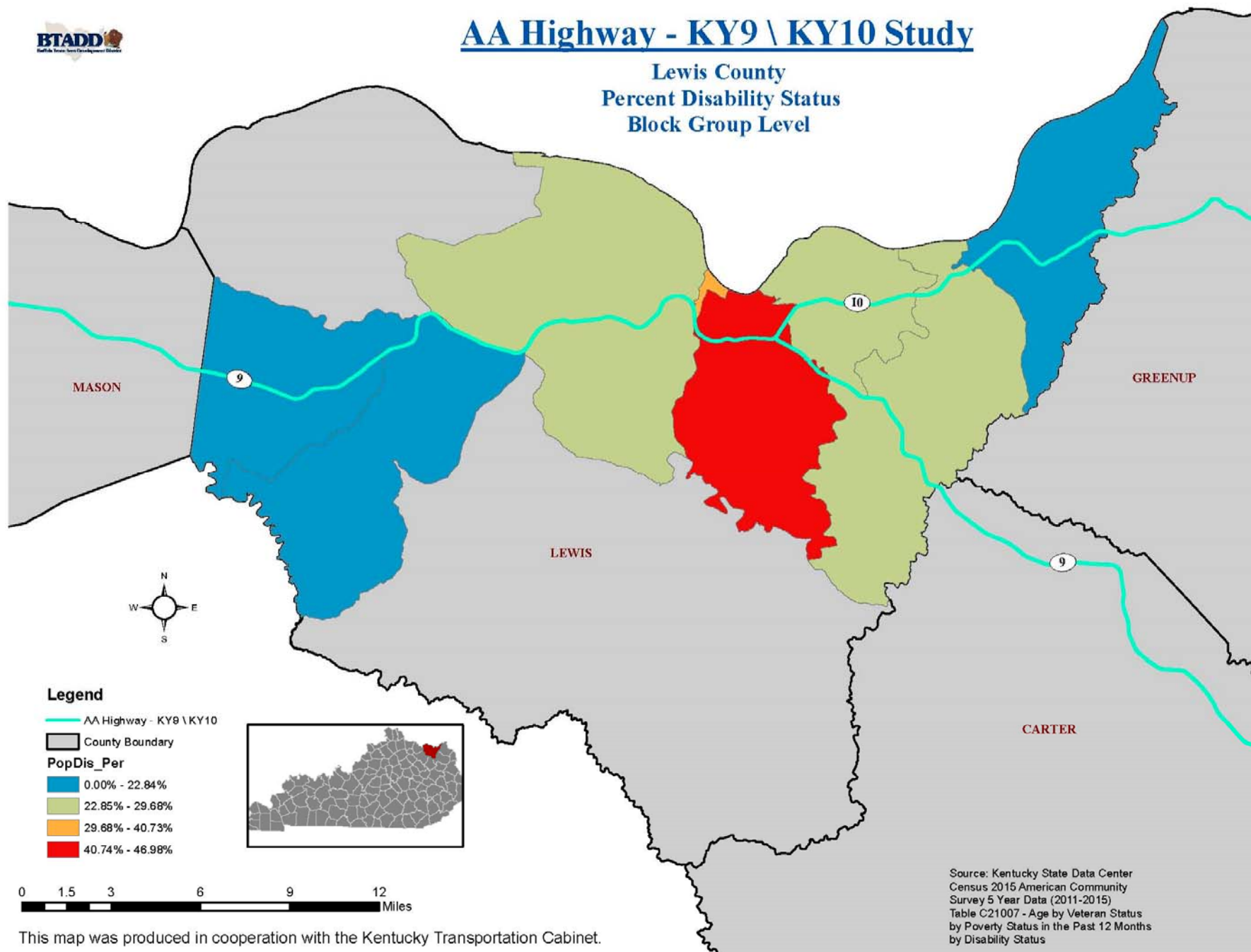


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Lewis County
Percent Disability Status
Block Group Level



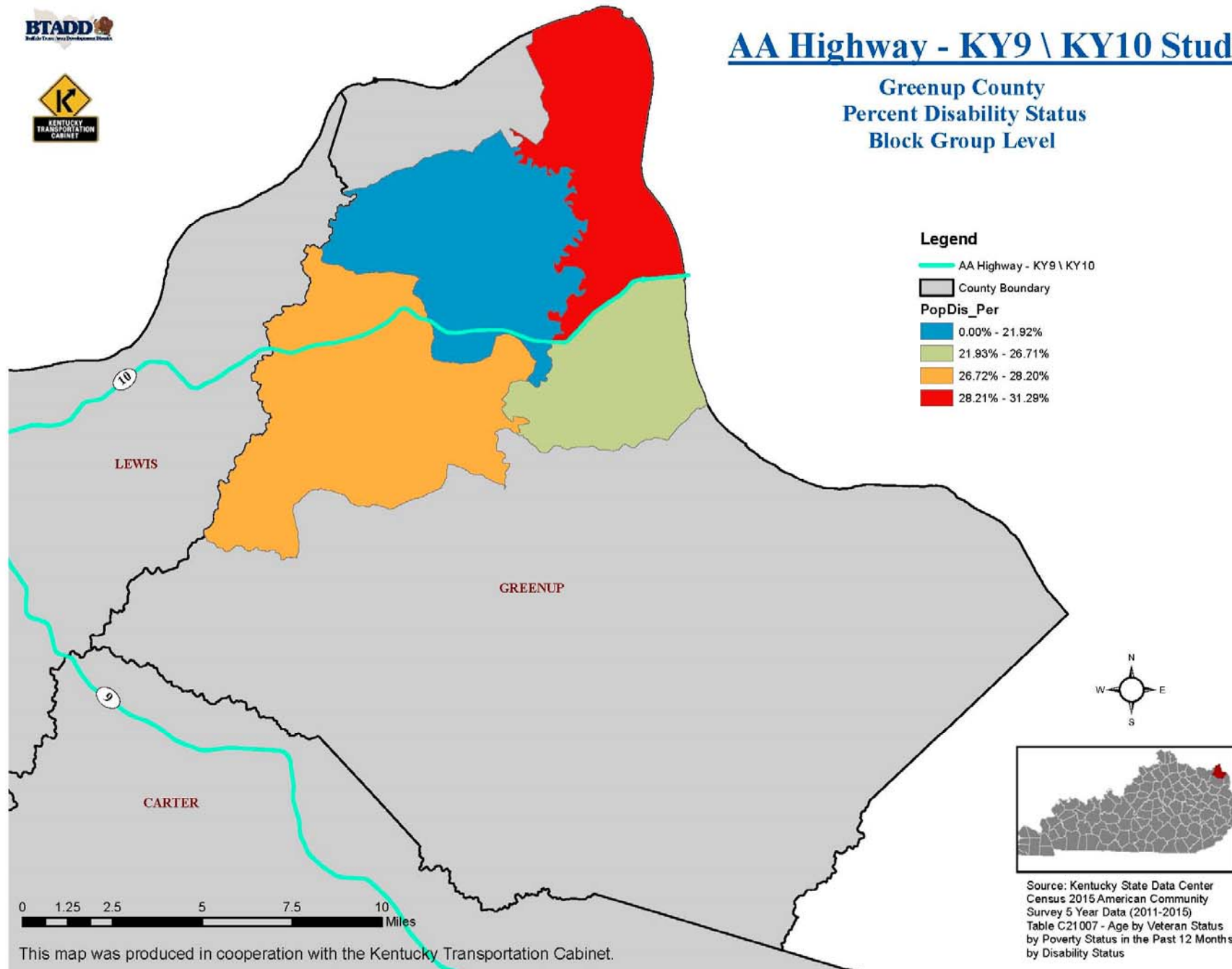
0 1.5 3 6 9 12 Miles

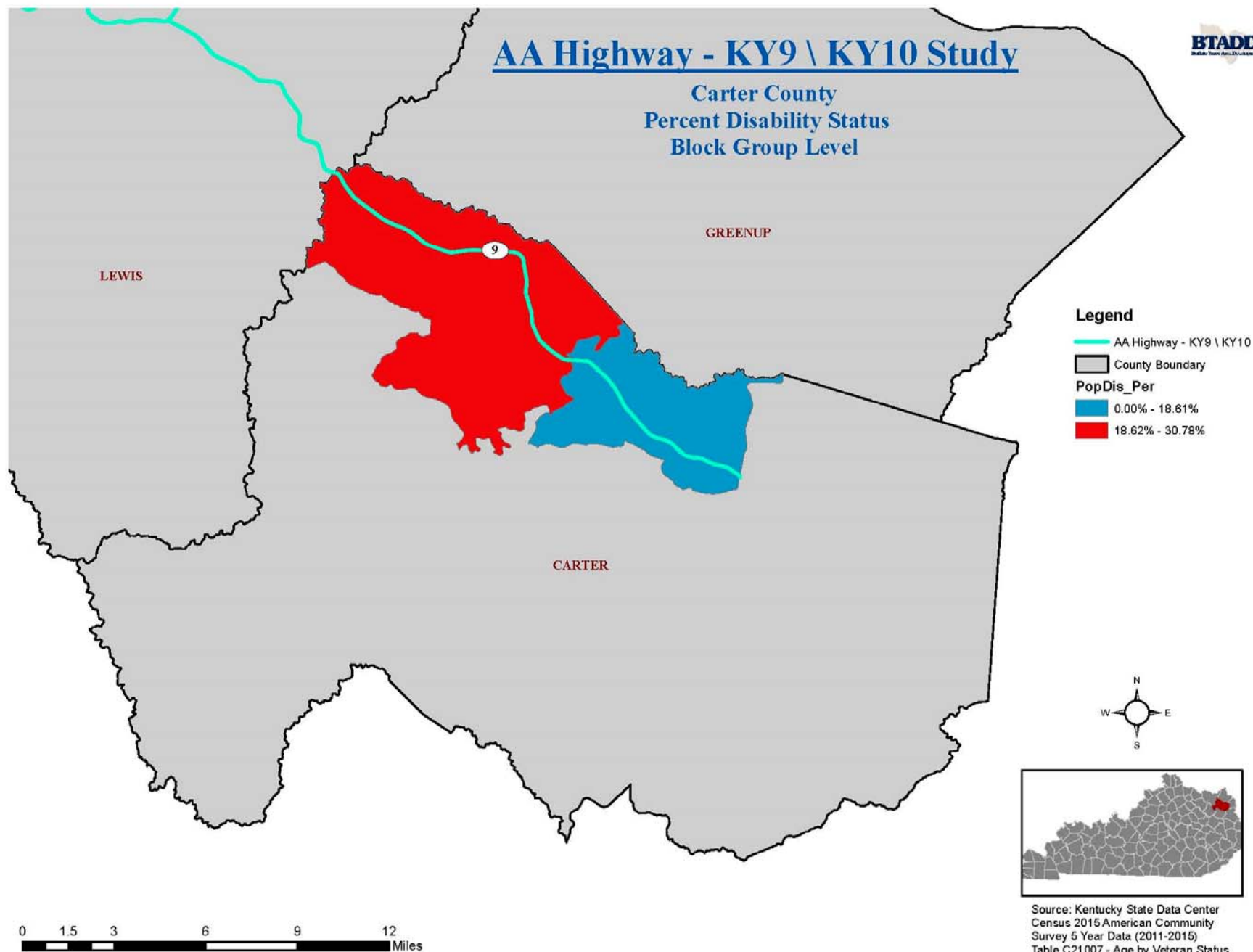
This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Greenup County Percent Disability Status Block Group Level

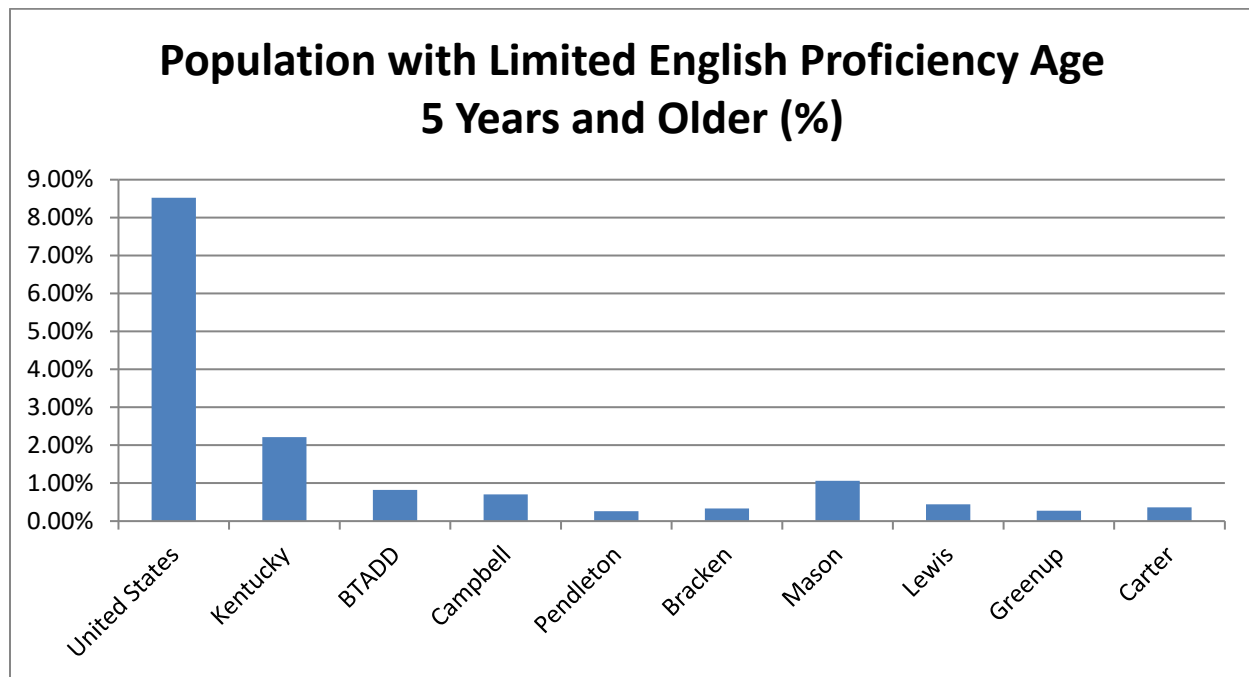




This map was produced in cooperation with the Kentucky Transportation Cabinet.

Source: Kentucky State Data Center
 Census 2015 American Community
 Survey 5 Year Data (2011-2015)
 Table C21007 - Age by Veteran Status
 by Poverty Status in the Past 12 Months
 by Disability Status

Population by Persons with Limited English Proficiency



Persons with Limited English Proficiency (LEP) in the United States make up 8.52% of the population, but in Kentucky that percentage decreases to just 2.21%. The BTADD Region has an even lower percentage of persons with LEP than that of the state and United States with 0.82% being reported for the region. All the AA Highway counties report lower than the state average as well with the exceptions of a few target areas. Block Group (BG) 1 and 2 for Census Tract (CT) 501 and Block Group (BG) 1 Census Tract 533.01 in Campbell County and Block Group (BG) 2 Census Tract (CT) 9603 and Block Group (BG) 4 Census Tract (CT) 9604 in Mason County.

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Campbell	86,457	605	0.70%
Pendleton	13,732	36	0.26%
Bracken	7,781	26	0.33%
Mason	16,104	170	1.06%
Lewis	12,805	56	0.44%
Greenup	34,068	93	0.27%
Carter	25,712	93	0.36%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Campbell	86,457	605	0.70%
Block Group 1, Census Tract 501	282	21	7.45%
Block Group 2, Census Tract 501	1182	39	3.30%
Block Group 2, Census Tract 506	655	5	0.76%
Block Group 1, Census Tract 519.01	2417	0	0.00%
Block Group 3, Census Tract 519.01	1651	0	0.00%
Block Group 1, Census Tract 519.03	1643	0	0.00%
Block Group 3, Census Tract 519.03	1094	0	0.00%
Block Group 1, Census Tract 520.02	1064	0	0.00%
Block Group 2, Census Tract 520.02	813	0	0.00%
Block Group 4, Census Tract 525	2432	28	1.15%
Block Group 1, Census Tract 531	1563	0	0.00%
Block Group 2, Census Tract 531	2780	0	0.00%
Block Group 1, Census Tract 533.01	2074	83	4.00%
Block Group 3, Census Tract 533.01	2138	8	0.37%
Block Group 1, Census Tract 533.02	1551	0	0.00%
Block Group 2, Census Tract 533.02	1210	0	0.00%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004			

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Pendleton	13,732	36	0.26%
Block Group 2, Census Tract 9301	1,501	0	0.00%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004			

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Bracken	7,781	26	0.33%
Block Group 2, Census Tract 9501	1456	25	1.72%
Block Group 1, Census Tract 9502	804	0	0.00%
Block Group 2, Census Tract 9502	985	0	0.00%
Block Group 3, Census Tract 9503	859	1	0.12%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004			

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Mason	16,104	170	1.06%
Block Group 1, Census Tract 9601	1714	0	0.00%
Block Group 2, Census Tract 9601	900	0	0.00%
Block Group 2, Census Tract 9603	1142	76	6.65%
Block Group 1, Census Tract 9604	857	0	0.00%
Block Group 2, Census Tract 9604	701	0	0.00%
Block Group 3, Census Tract 9604	949	0	0.00%
Block Group 4, Census Tract 9604	1532	68	4.44%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004			

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Lewis	12,805	56	0.44%
Block Group 1, Census Tract 9301	935	0	0.00%
Block Group 2, Census Tract 9301	1529	7	0.46%
Block Group 3, Census Tract 9301	1628	0	0.00%
Block Group 1, Census Tract 9302	1936	0	0.00%
Block Group 2, Census Tract 9302	1204	0	0.00%
Block Group 3, Census Tract 9302	566	0	0.00%
Block Group 2, Census Tract 9303	611	0	0.00%
Block Group 3, Census Tract 9303	1881	34	1.81%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004			

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Greenup	34,068	93	0.27%
Block Group 1, Census Tract 405.01	1536	0	0.00%
Block Group 2, Census Tract 405.01	1440	4	0.28%
Block Group 1, Census Tract 407	1547	0	0.00%
Block Group 2, Census Tract 407	575	0	0.00%
Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table B16004			

	Total Population Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older	Population with Limited English Proficiency Age 5 Years and Older (%)
United States	301,150,892	25,654,421	8.52%
Kentucky	4,150,236	91,813	2.21%
BTADD	52,234	427	0.82%
Carter	25,712	93	0.36%
Block Group 1, Census Tract 9604	1,123	4	0.36%
Block Group 2, Census Tract 9605	1,342	0	0.00%

Source: US Census Bureau, 2013-2017 American Community Survey 5-Year Estimates Table C21007

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Campbell County
Percent Speak English Less Than
"Very Well" Age 5 Years and Older
Block Group Level

Legend

AA Highway - KY9 \ KY10

County Boundary

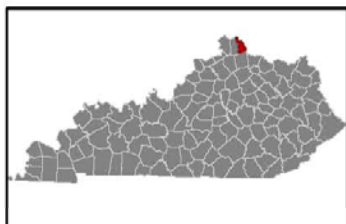
% Speak English Less Than Very Well

0.00% - 1.00%

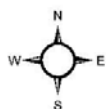
1.01% - 3.30%

3.31% - 4.00%

4.01% - 7.45%



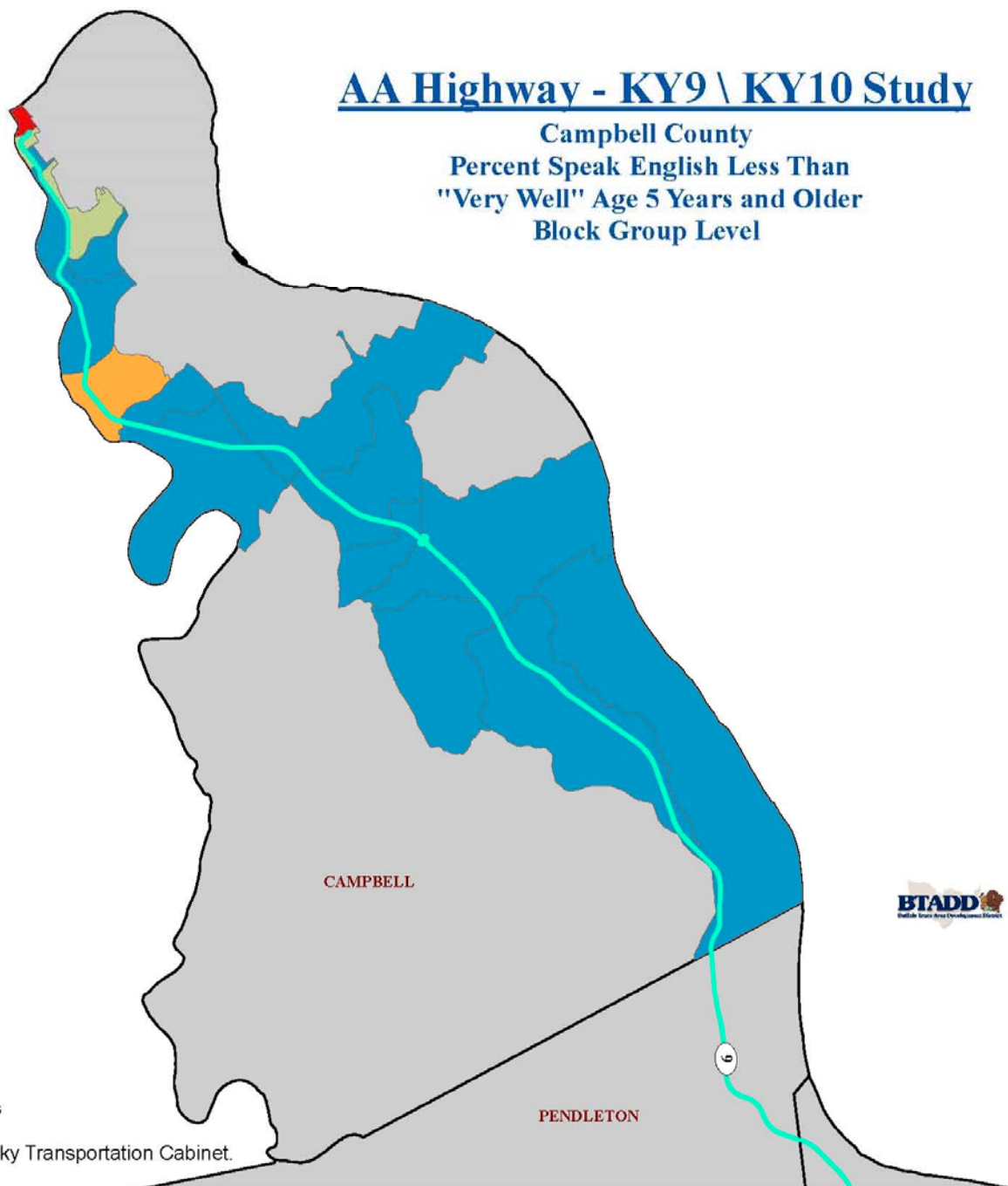
Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B16004 - Age by Language
Spoken at Home by Ability to Speak
English for the Populations 5 Years
and Over



0 1 2 4 6 8 Miles



This map was produced in cooperation with the Kentucky Transportation Cabinet.

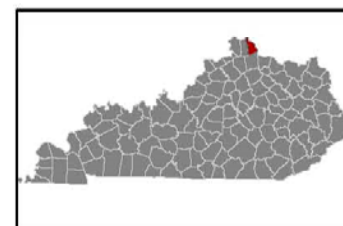


AA Highway - KY9 \ KY10 Study

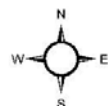
Pendleton County
Percent Speak English Less Than
"Very Well" Age 5 Years and Older
Block Group Level

Legend

- AA Highway - KY9 \ KY10
- County Boundary
- % Speak English Less Than Very Well
- 0.00%



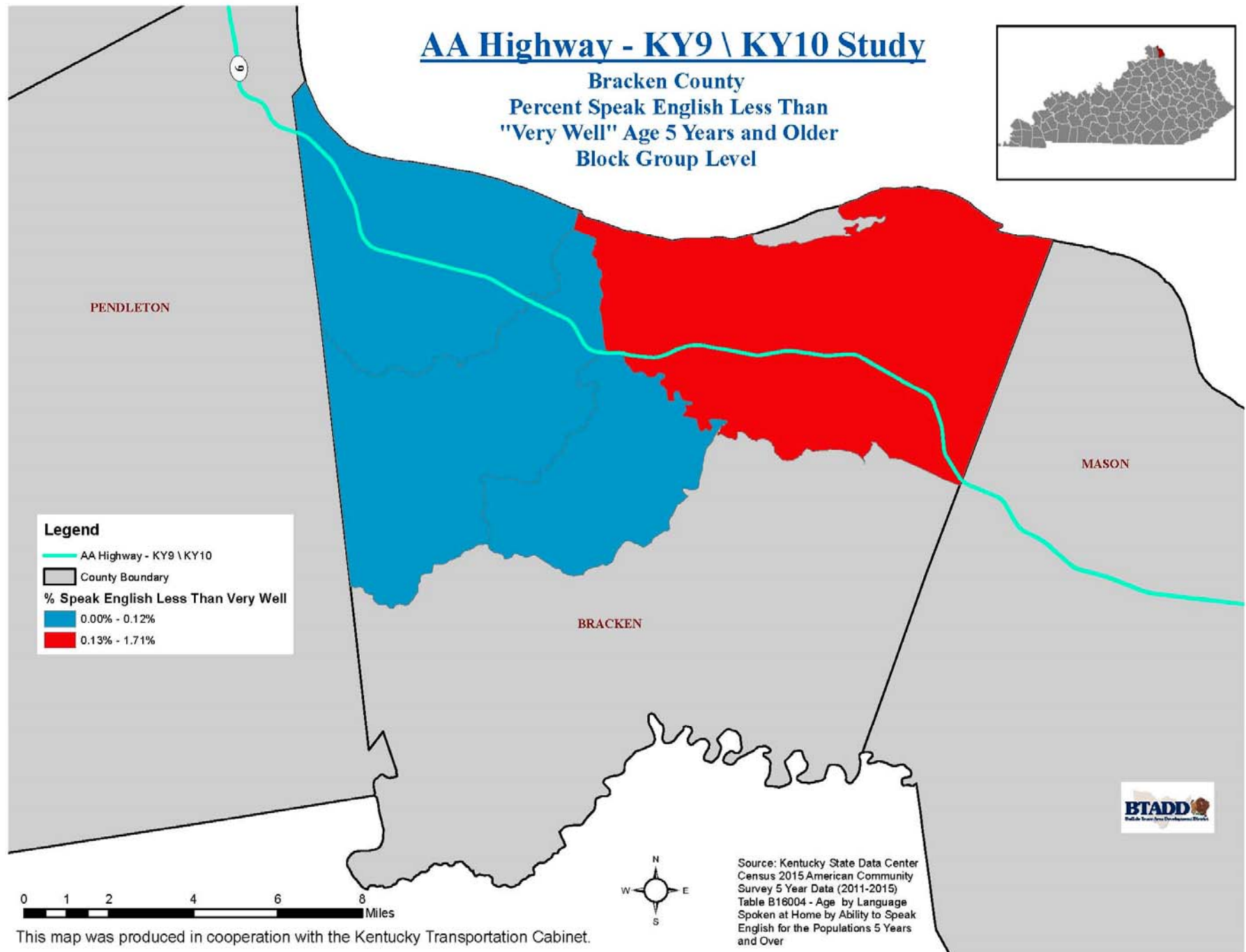
Source: Kentucky State Data Center
Census 2015 American Community
Survey 5 Year Data (2011-2015)
Table B16004 - Age by Language
Spoken at Home by Ability to Speak
English for the Populations 5 Years
and Over



0 1 2 4 6 8 Miles

This map was produced in cooperation with the Kentucky Transportation Cabinet.



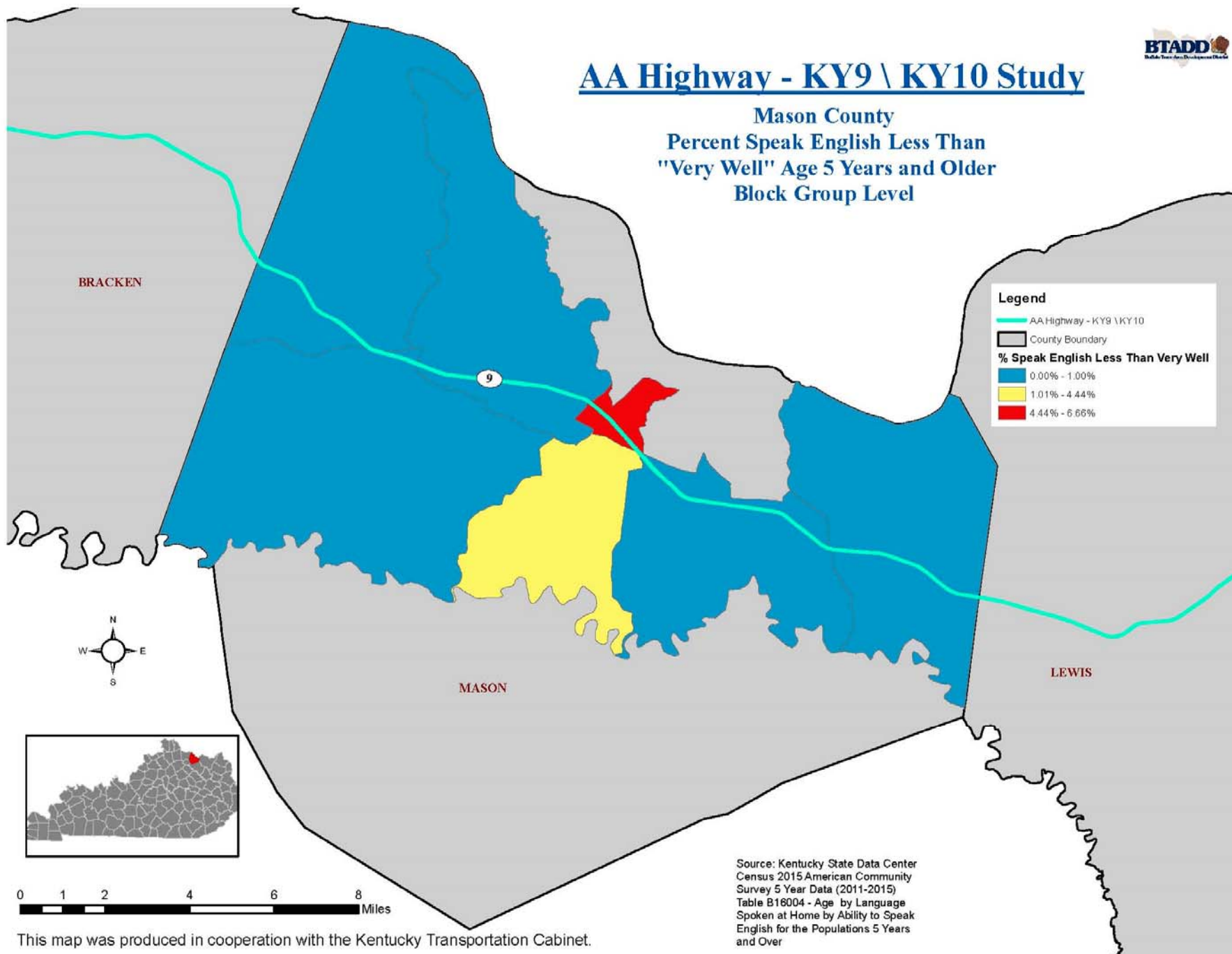


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Mason County
Percent Speak English Less Than
"Very Well" Age 5 Years and Older
Block Group Level

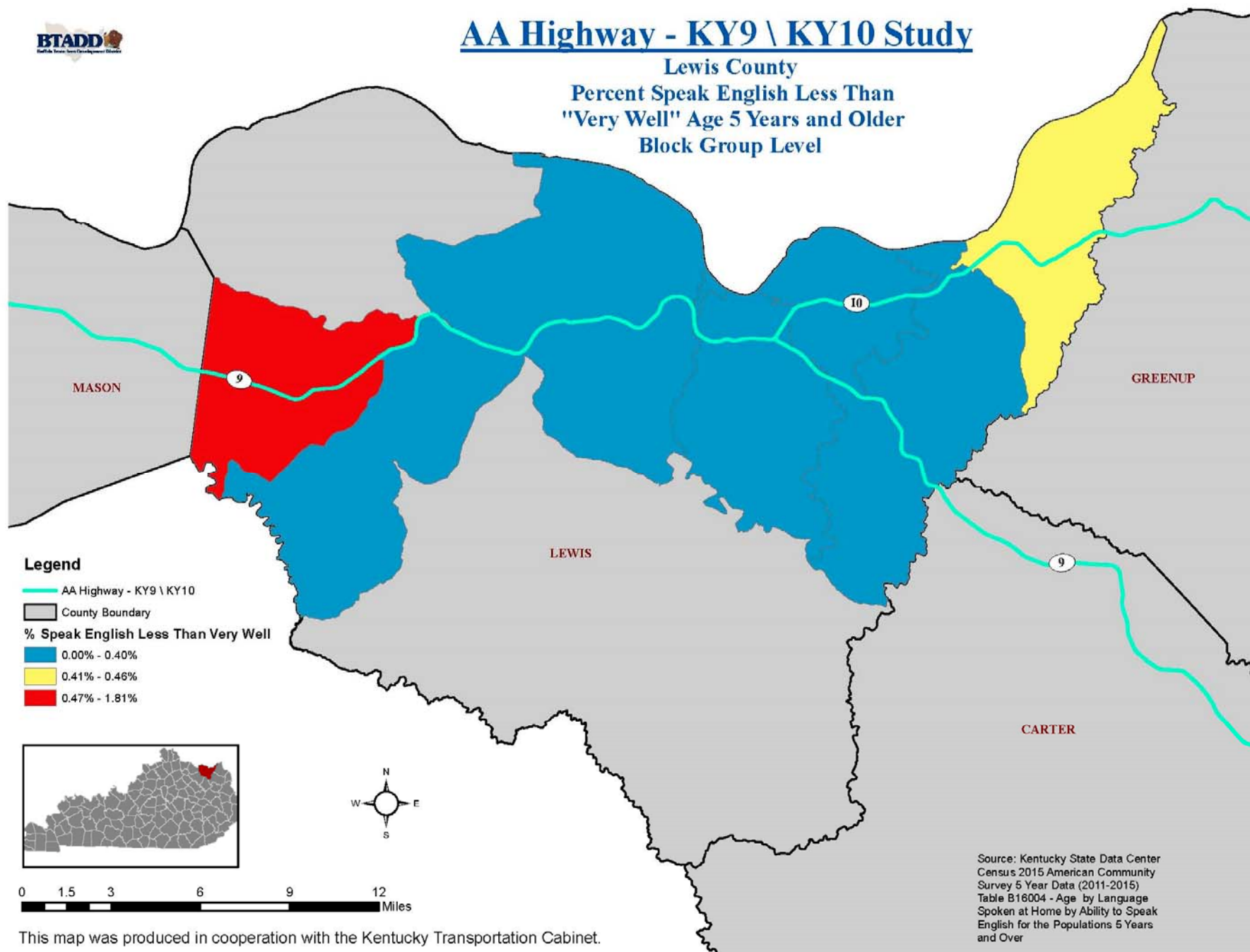


This map was produced in cooperation with the Kentucky Transportation Cabinet.



AA Highway - KY9 \ KY10 Study

Lewis County
Percent Speak English Less Than
"Very Well" Age 5 Years and Older
Block Group Level

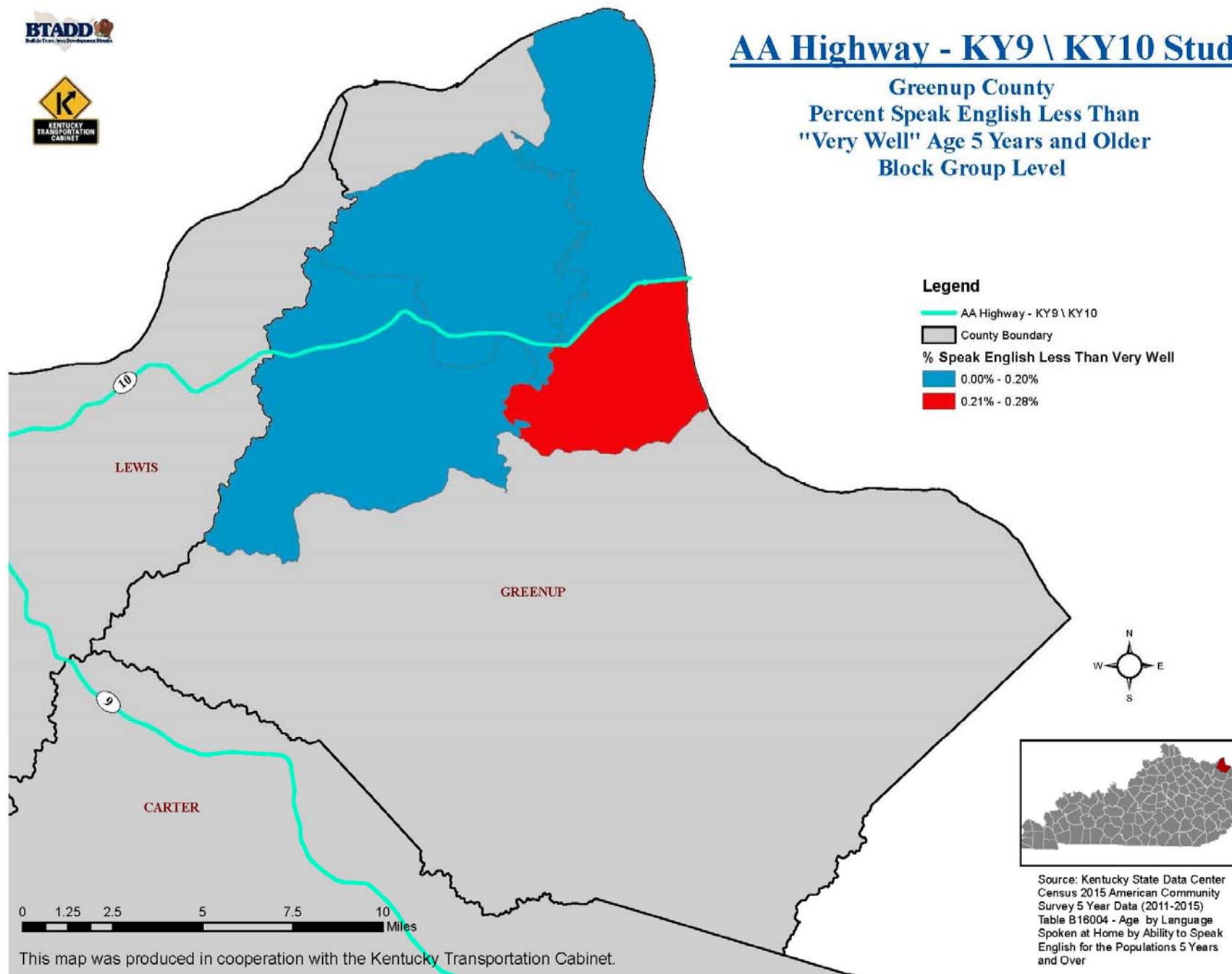


This map was produced in cooperation with the Kentucky Transportation Cabinet.

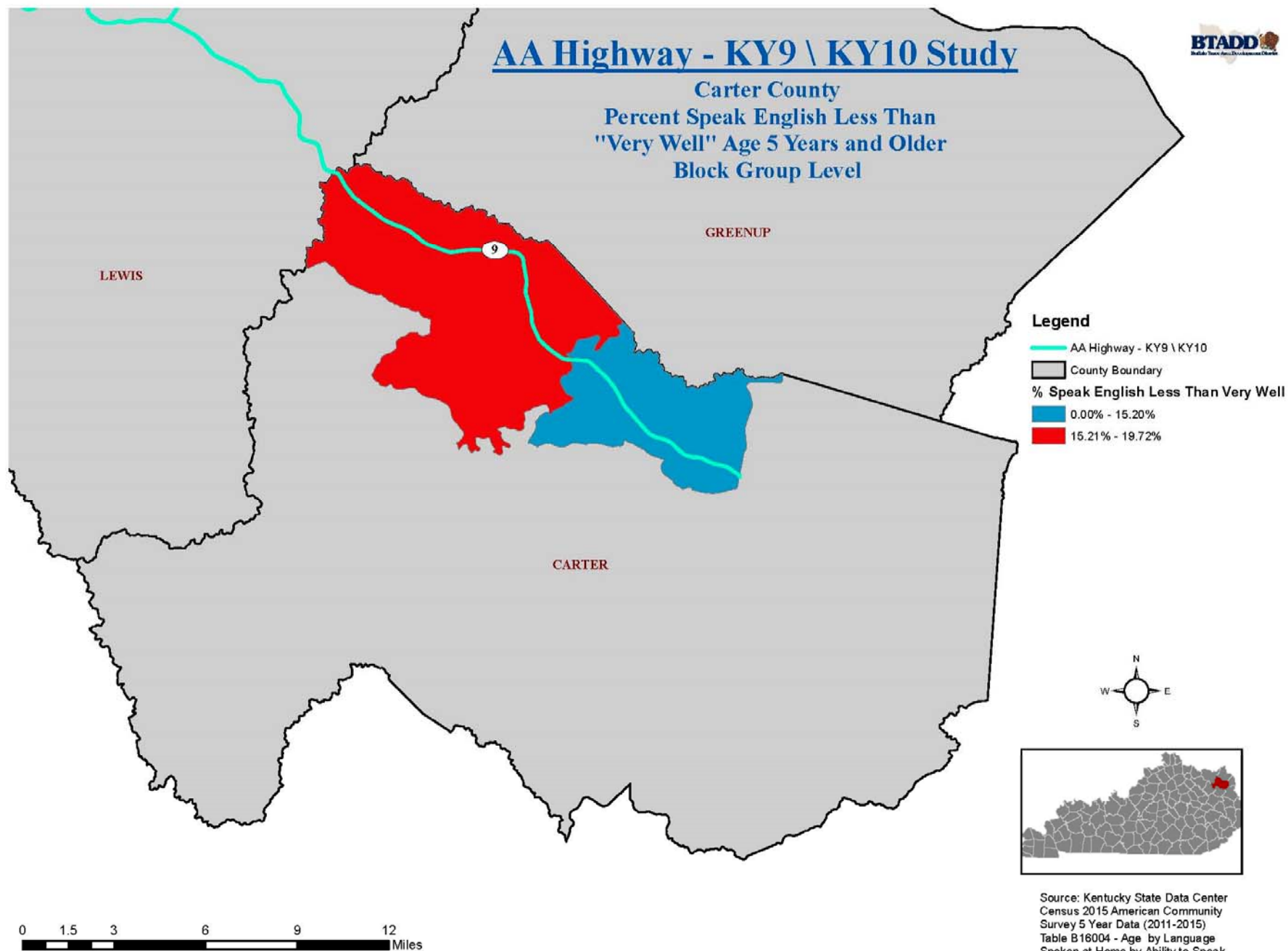


AA Highway - KY9 \ KY10 Study

**Greenup County
Percent Speak English Less Than
"Very Well" Age 5 Years and Older
Block Group Level**



This map was produced in cooperation with the Kentucky Transportation Cabinet.



This map was produced in cooperation with the Kentucky Transportation Cabinet.

Conclusion

Minority populations in the county as a whole are less than the state average but Block Group 1 and 2 of Census Tract 501 (34.04% & 38.36%), Block Group 2 Census Tract 506 (17.28%) and Block Group 4 Census Tract 525 (20.98%) in Campbell County all surpass the state average.

Mason, Lewis, Greenup and Carter Counties all have a higher population age 65 years and older than that of the state and the nation. All the counties with the exception of Pendleton County had elevated number in multiple Census Tracts.

The populations below the poverty level are higher in Bracken, Lewis and Carter Counties. All the counties have Census Tracts with higher percentages with the exception of Pendleton County. Campbell County has the highest concentrated area in Block Group 2 Census Tract 501 at 70.14%.

Mason, Lewis Greenup and Carter counties all have a higher percentage than the state in persons with a disability. All the counties with the exception of Pendleton County have Census Tracts with higher percentages. Lewis County has the highest in Block Group 2 Census Tract 9302 with 46.98%

None of the county averages were above the state average, but Campbell and Mason have census tracts that are higher than the state. Mason County has the highest in Block Group 2 Census Tract 9603 with 6.65%

During future phases of project development a more detailed and robust analysis would be required for the NEPA documentation when assessing the potential for adverse and disproportionate impacts to those with disabilities, poverty status, and minority populations.

Appendix: Methodology from KYTC

Updated: November 2019

Methodology for Assessing Underserved Populations including Environmental Justice, Title VI, Age and Disability considerations in conjunction with KYTC Planning Studies

Cover Page

Title: Insert specific study type/area

Subtitle: Socioeconomic Study

Date:

Author:

Analysis

Environmental Justice (EJ) refers to the fair treatment of all people regardless of race, color, national origin or income. Specifically, agencies must demonstrate meaningful involvement with the above stated groups with respect to development, implementation and enforcement of environmental laws, regulations and policies. EJ analysis is undertaken for any study that may result in impacts on a minority and/or low income population that has a federal nexus (funding or approval).

Additionally KYTC works to identify potential populations of the Elderly, Disabled, Limited English Proficiency and Limited Transportation Options that may be impacted in or near the Affected Community (AC) should highway improvements take place in the future.

Examples of these studies include, but are not limited to:

- Corridor Studies
- Traffic Studies
- Small Urban Area Studies
- Feasibility Studies
- Interchange Justification Studies
- Interchange Modification Reports

Affected Community with potential environmental justice impacts are determined by locating populations of minority, low-income, disabled or elderly and calculating their percentage in the area relative to a reference community of comparison (COC).

Communities of comparison:

- The county percentage
- Kentucky percentage
- Block groups within reasonable proximity of the study area
- United States
- ADD Region

The demographics of the study area should be defined using block group data accessed via the American Community Survey 5 year data. KYTC will work in conjunction with the State Data Center to provide pertinent spatial data on a yearly basis for the following, as the update schedule allows:

- Minority
- Low-income
- Elderly
- Disabled populations
- Limited English Proficiency

Sample Analysis

The percentage of persons living below the poverty level in Kentucky (18.60%) is significantly higher than that of the United States (14.90%). Poverty levels in Metcalfe County are slightly lower than that of the state with 16.10% of Metcalfe County residents living below the poverty level. CT 9601 has greater levels of poverty than does the county, state and U.S. with 17.90% of persons living below the poverty level. CT 9603 however has a lower level of poverty than Metcalfe County as a whole and the state, with 13.40% of residents living below the poverty.

*****The following disclaimer should be included in the document in the Socioeconomic Study methodologies Section:*****

The methodologies used in this planning document are appropriate for identifying possible areas of concern in small urban areas and potential project corridors. However, during future phases of project development a more detailed and robust analysis would be required for the NEPA documentation when assessing the potential for adverse and disproportionate impacts to low-income and minority populations.

A map or shapefile of the alternatives will be provided by the consultant or KYTC to the applicable Area Development District (ADD). KYTC, in conjunction with the consultant, will review the ADD data for quality and completeness. The consultant will summarize the information provided by the ADD in the final report. The full Socioeconomic analysis should be placed in an Appendix for reference as necessary.