

# **THE APPALACHIAN REGION: A DATA OVERVIEW FROM THE 2009-2013 AMERICAN COMMUNITY SURVEY Chartbook**

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## FOREWORD

The data contained in this chartbook come from the 2009-2013 American Community Survey. While the types of demographic and housing data included in Chapters 1 through 4 were also collected in the 2010 decennial census, the types of social and economic data included in Chapters 5 through 11 were not. This is because unlike previous censuses—which consisted of a “short form” of basic demographic and housing questions and a “long form” (used for a sample of households) that also asked detailed questions about social, economic, and housing characteristics—the 2010 census only had a short form.

The decennial long form has been replaced by the American Community Survey (ACS), a nationwide study collected continuously every year in every county in the United States. The ACS is designed to provide communities with reliable and timely demographic, social, economic, and housing data each year. However, the annual sample size of the ACS is much smaller than the sample size of the decennial census long form; therefore, data from five years must be combined to provide reliable estimates for geographic areas with fewer than 20,000 people. Since a number of counties in the Appalachian Region have fewer than 20,000 residents, we must use the 2009-2013 ACS data to have comparable statistics for all 420 counties in the Region.

The five-year ACS estimates for 2009-2013 represent concepts that are fundamentally different from those associated with data from the decennial census. While the main function of the census is to provide *counts* of people for congressional apportionment and legislative redistricting, the primary purpose of the ACS is to measure the changing *characteristics* of the U.S. population. Moreover, while the decennial census provides a “snapshot” of the U.S. population once every 10 years, the ACS has been described as a “moving video image” that is continually updated. Finally, while the census provides “point in time” estimates designed to approximate an area’s characteristics on a specific date, the ACS provides “period” estimates that represent data collected over a period of time. The five-year estimates in this chartbook, therefore, are data collected over the five-year (or 60-month) period from January 2009 through December 2013. These ACS estimates are *not* averages of monthly or annual values, but rather an *aggregation* of data collected over the five-year period.

For areas with consistent population characteristics throughout the calendar year, ACS period estimates might not differ much from those that would result from a point-in-time survey like the decennial census. However, ACS period estimates might be noticeably different from point-in-time estimates for areas with seasonal populations or those that experience a natural disaster such as a hurricane. For example, a resort community in the upper Midwest might be dominated by locals in the winter months and by temporary workers and tourists in the summer months, with a corresponding decrease in employment rates during the winter and increase in these rates during the summer. In such a community, the ACS period estimate of the percent of persons in the labor force, which is based on data across the entire calendar year, would likely be higher than the decennial census point-in-time estimate from April 1.

While five-year ACS data are needed to provide reliable estimates for areas with small populations, they can make it difficult to track trends in these areas. The 2009-2013 ACS data illustrate this problem. The 2009-2013 time period covers two distinct periods of economic activity: the last six months of the “Great Recession” of December 2007 through June 2009; and the four years of economic recovery that immediately followed the downturn. Since the 2009-2013 ACS pools data from both periods, it smooths out the extreme variations in economic measures that would be evident in annual data from this recent period.

In this year’s chartbook, Chapter 5, which covers education, contains a new table (Table 5.4) and figure (Figure 5.7). These items focus on the major degree field for adults ages 25 and over who have attained a bachelor’s degree or more. The ACS introduced a “field of degree” question in 2009, which means that the 2009-2013 time period is the first for which five-year data on this particular topic are available.



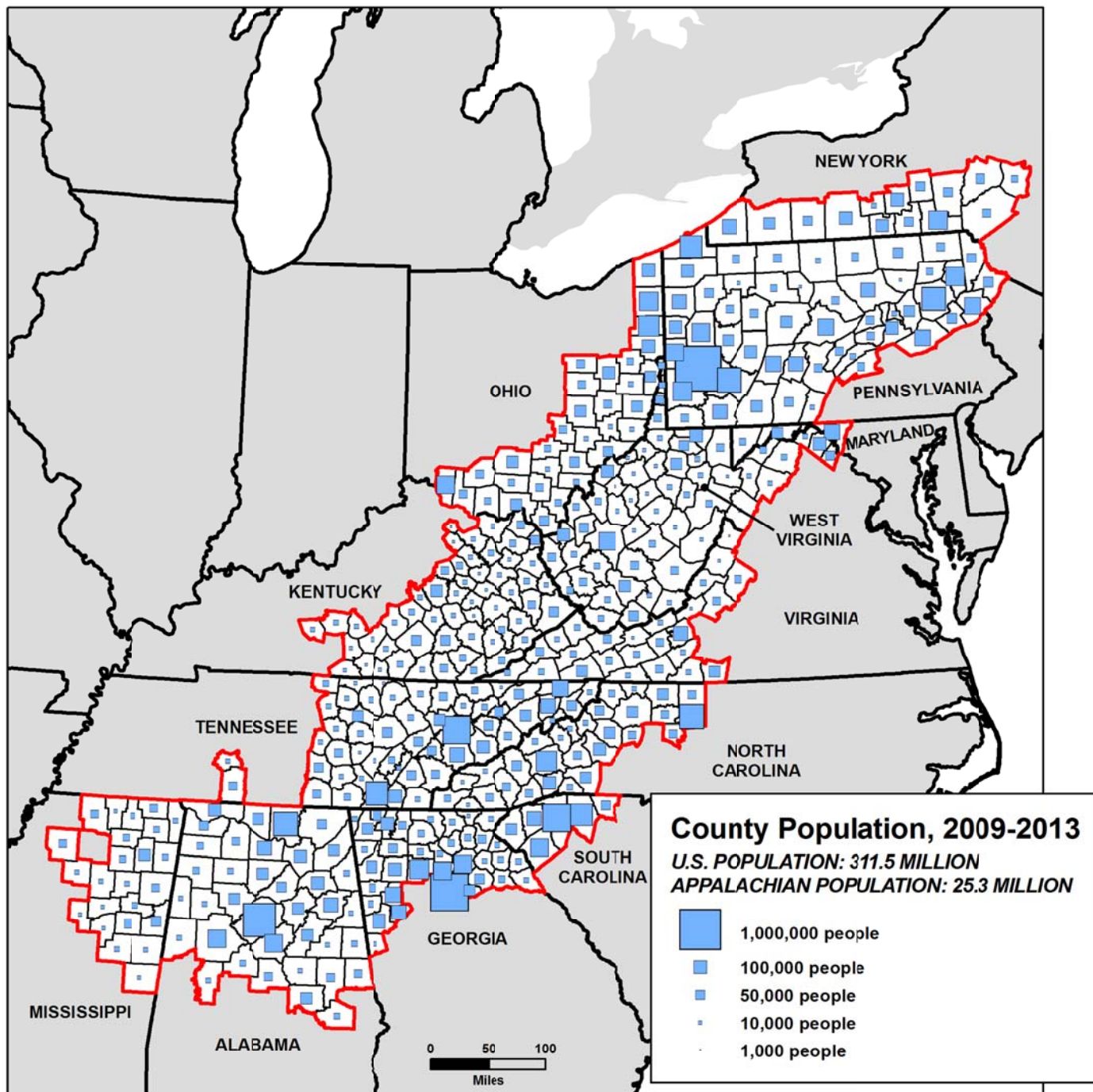
# CHAPTER 1: POPULATION BASICS

**Table 1.1: Population, Land Area, and Population Density in the Appalachian Region, 2009-2013**

| Population, Land Area, and Density    | Population,<br>2009-2013 | Land Area<br>(Square Miles) | Population per<br>Square Mile of Land<br>Area, 2009-2013 |
|---------------------------------------|--------------------------|-----------------------------|----------------------------------------------------------|
| <b>United States</b>                  | <b>311,536,594</b>       | <b>3,531,905</b>            | <b>88.2</b>                                              |
| <b>Appalachian Region</b>             | <b>25,305,488</b>        | <b>204,452</b>              | <b>123.8</b>                                             |
| <b>Subregions</b>                     |                          |                             |                                                          |
| Northern Appalachia                   | 8,367,896                | 56,980                      | 146.9                                                    |
| North Central Appalachia              | 2,425,370                | 29,337                      | 82.7                                                     |
| Central Appalachia                    | 1,912,621                | 29,773                      | 64.2                                                     |
| South Central Appalachia              | 4,738,508                | 34,997                      | 135.4                                                    |
| Southern Appalachia                   | 7,861,093                | 53,365                      | 147.3                                                    |
| <b>County Types</b>                   |                          |                             |                                                          |
| Large Metros (pop. 1 million +)       | 5,889,508                | 18,815                      | 313.0                                                    |
| Small Metros (pop. <1 million)        | 10,669,524               | 54,302                      | 196.5                                                    |
| Nonmetro, Adjacent to Large Metros    | 2,207,937                | 25,382                      | 87.0                                                     |
| Nonmetro, Adjacent to Small Metros    | 3,989,453                | 58,591                      | 68.1                                                     |
| Rural (nonmetro, not adj. to a metro) | 2,549,066                | 47,363                      | 53.8                                                     |
| <b>Alabama</b>                        | <b>4,799,277</b>         | <b>50,645</b>               | <b>94.8</b>                                              |
| Appalachian Alabama                   | 3,074,826                | 25,763                      | 119.4                                                    |
| Non-Appalachian Alabama               | 1,724,451                | 24,882                      | 69.3                                                     |
| <b>Georgia</b>                        | <b>9,810,417</b>         | <b>57,513</b>               | <b>170.6</b>                                             |
| Appalachian Georgia                   | 2,972,456                | 11,378                      | 261.2                                                    |
| Non-Appalachian Georgia               | 6,837,961                | 46,135                      | 148.2                                                    |
| <b>Kentucky</b>                       | <b>4,361,333</b>         | <b>39,486</b>               | <b>110.5</b>                                             |
| Appalachian Kentucky                  | 1,182,515                | 18,231                      | 64.9                                                     |
| Non-Appalachian Kentucky              | 3,178,818                | 21,256                      | 149.5                                                    |
| <b>Maryland</b>                       | <b>5,834,299</b>         | <b>9,707</b>                | <b>601.0</b>                                             |
| Appalachian Maryland                  | 252,843                  | 1,529                       | 165.4                                                    |
| Non-Appalachian Maryland              | 5,581,456                | 8,178                       | 682.5                                                    |
| <b>Mississippi</b>                    | <b>2,976,872</b>         | <b>46,923</b>               | <b>63.4</b>                                              |
| Appalachian Mississippi               | 629,196                  | 12,400                      | 50.7                                                     |
| Non-Appalachian Mississippi           | 2,347,676                | 34,523                      | 68.0                                                     |
| <b>New York</b>                       | <b>19,487,053</b>        | <b>47,126</b>               | <b>413.5</b>                                             |
| Appalachian New York                  | 1,062,441                | 11,681                      | 91.0                                                     |
| Non-Appalachian New York              | 18,424,612               | 35,445                      | 519.8                                                    |
| <b>North Carolina</b>                 | <b>9,651,380</b>         | <b>48,618</b>               | <b>198.5</b>                                             |
| Appalachian North Carolina            | 1,704,390                | 11,887                      | 143.4                                                    |
| Non-Appalachian North Carolina        | 7,946,990                | 36,731                      | 216.4                                                    |
| <b>Ohio</b>                           | <b>11,549,590</b>        | <b>40,861</b>               | <b>282.7</b>                                             |
| Appalachian Ohio                      | 2,034,561                | 15,978                      | 127.3                                                    |
| Non-Appalachian Ohio                  | 9,515,029                | 24,882                      | 382.4                                                    |
| <b>Pennsylvania</b>                   | <b>12,731,381</b>        | <b>44,743</b>               | <b>284.5</b>                                             |
| Appalachian Pennsylvania              | 5,786,018                | 36,444                      | 158.8                                                    |
| Non-Appalachian Pennsylvania          | 6,945,363                | 8,298                       | 837.0                                                    |
| <b>South Carolina</b>                 | <b>4,679,602</b>         | <b>30,061</b>               | <b>155.7</b>                                             |
| Appalachian South Carolina            | 1,184,615                | 3,824                       | 309.8                                                    |
| Non-Appalachian South Carolina        | 3,494,987                | 26,237                      | 133.2                                                    |
| <b>Tennessee</b>                      | <b>6,402,387</b>         | <b>41,235</b>               | <b>155.3</b>                                             |
| Appalachian Tennessee                 | 2,800,546                | 20,119                      | 139.2                                                    |
| Non-Appalachian Tennessee             | 3,601,841                | 21,116                      | 170.6                                                    |
| <b>Virginia</b>                       | <b>8,100,653</b>         | <b>39,490</b>               | <b>205.1</b>                                             |
| Appalachian Virginia                  | 767,462                  | 11,179                      | 68.7                                                     |
| Non-Appalachian Virginia              | 7,333,191                | 28,311                      | 259.0                                                    |
| <b>West Virginia (entire state)</b>   | <b>1,853,619</b>         | <b>24,038</b>               | <b>77.1</b>                                              |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

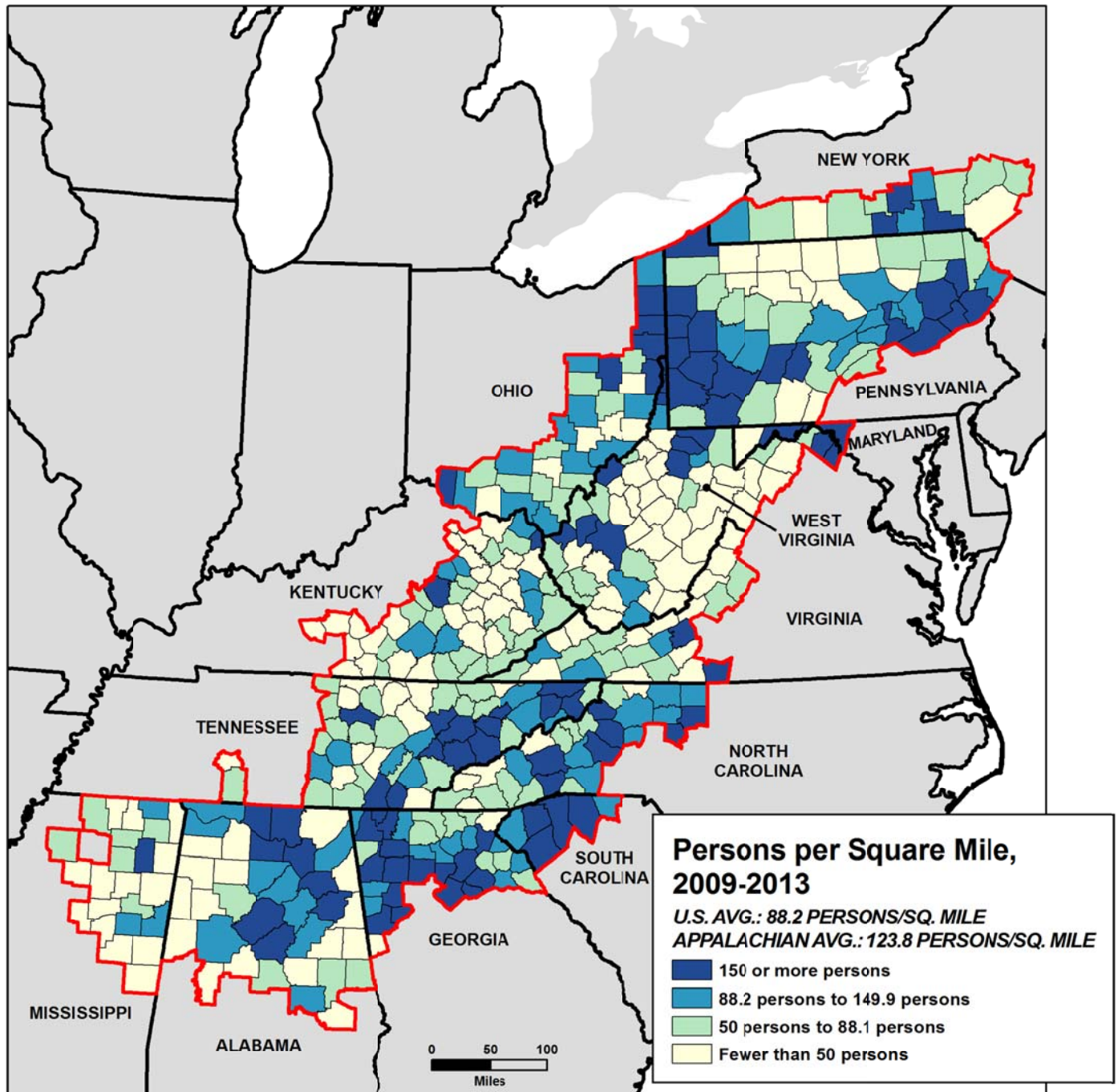
**Figure 1.1: Population Distribution in the Appalachian Region, 2009-2013**



Map Title: Population Distribution in the Appalachian Region, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Of the 311.5 million persons in the United States during the period from 2009-2013, 25.3 million lived in the Appalachian Region. Yet the population of the Region's 420 counties varied greatly. On one hand, two-thirds of the counties had populations of fewer than 50,000 people, and 126 counties had fewer than 20,000 residents. On the other hand, pockets of the Appalachian population lived in large and mid-sized metropolitan areas, including Pittsburgh, Birmingham, and the Atlanta suburbs. Allegheny County, Pa. (where Pittsburgh is located) had 1.2 million residents. It is important to note that the Appalachian population has continued to grow; the most recent population estimates indicated that the Region had 25.4 million residents in 2013 (out of 316.1 million nationwide), compared to 25.2 million in the 2010 Census.

**Figure 1.2: Population per Square Mile of Land Area in the Appalachian Region, 2009-2013**



Map Title: Population per Square Mile of Land Area in the Appalachian Region, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

While Appalachia's population density was noticeably greater than the United States as a whole over the 2009-2013 period, just two-fifths of the Region's counties had population concentrations at or above the national average. Most of the high-density counties were in metropolitan areas, both large (Pittsburgh, Birmingham, suburban Atlanta) and small (Winston-Salem, N.C.; Knoxville, Tenn.).

## CHAPTER 2: AGE

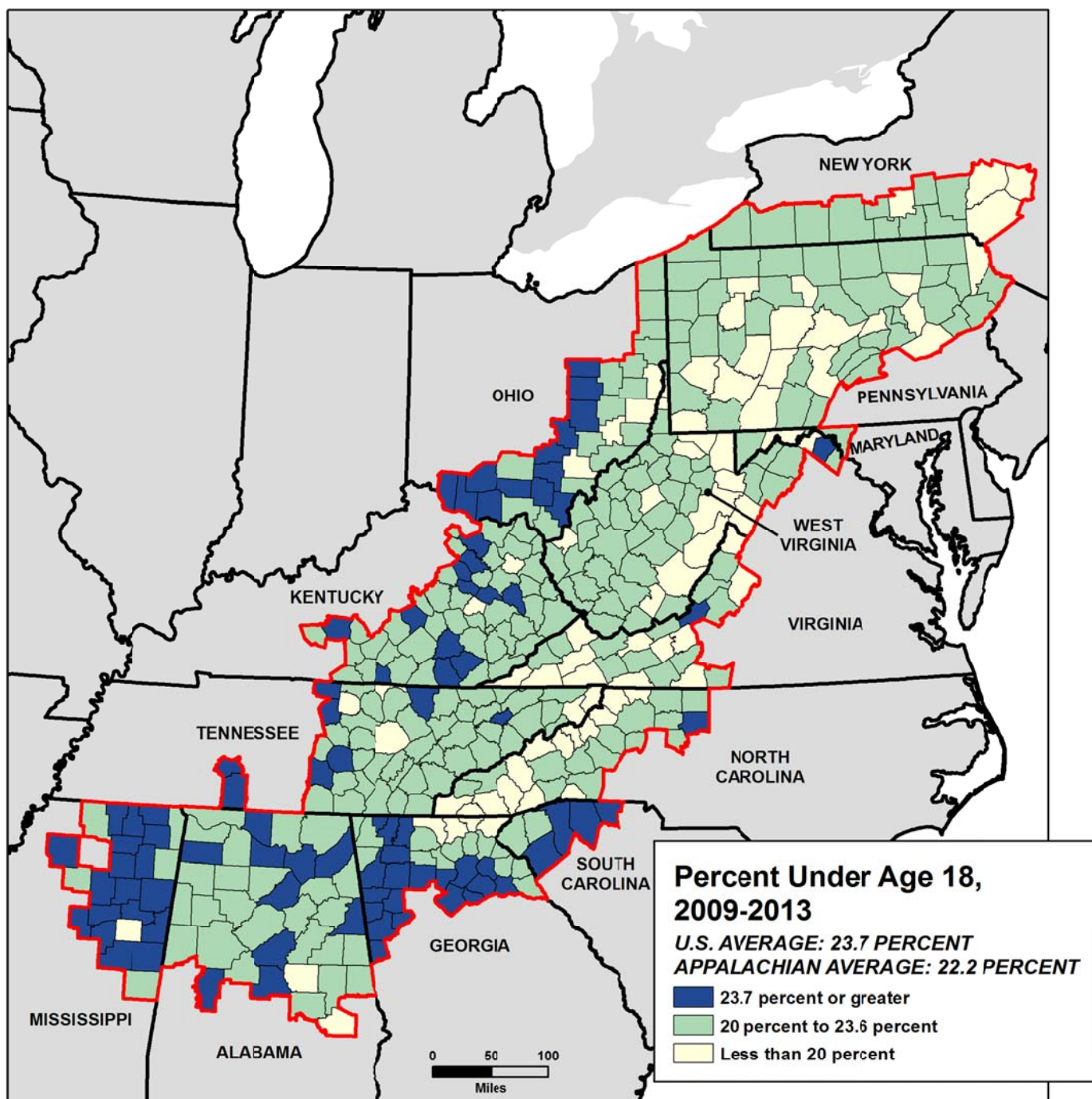
**Table 2.1: Population in the Appalachian Region by Age Group, 2009-2013**

| Population by Age Group               | Total Population, 2009-2013 | Percent of Population |             |             |                  | Median Age (Years) |
|---------------------------------------|-----------------------------|-----------------------|-------------|-------------|------------------|--------------------|
|                                       |                             | Under Age 18          | Ages 18-24  | Ages 25-64  | Ages 65 and over |                    |
| <b>United States</b>                  | <b>311,536,594</b>          | <b>23.7</b>           | <b>10.0</b> | <b>52.9</b> | <b>13.4</b>      | <b>37.3</b>        |
| <b>Appalachian Region</b>             | <b>25,305,488</b>           | <b>22.2</b>           | <b>9.8</b>  | <b>52.5</b> | <b>15.5</b>      | <b>40.1</b>        |
| <b>Subregions</b>                     |                             |                       |             |             |                  |                    |
| Northern Appalachia                   | 8,367,896                   | 20.6                  | 10.1        | 52.2        | 17.1             | 41.9               |
| North Central Appalachia              | 2,425,370                   | 21.6                  | 9.7         | 53.0        | 15.7             | 40.6               |
| Central Appalachia                    | 1,912,621                   | 22.1                  | 8.8         | 53.6        | 15.5             | 40.7               |
| South Central Appalachia              | 4,738,508                   | 21.2                  | 9.9         | 52.1        | 16.9             | 41.1               |
| Southern Appalachia                   | 7,861,093                   | 24.6                  | 9.6         | 52.7        | 13.1             | 37.4               |
| <b>County Types</b>                   |                             |                       |             |             |                  |                    |
| Large Metros (pop. 1 million +)       | 5,889,508                   | 23.6                  | 8.8         | 53.9        | 13.7             | 38.8               |
| Small Metros (pop. <1 million)        | 10,669,524                  | 21.7                  | 10.5        | 52.3        | 15.6             | 39.9               |
| Nonmetro, Adjacent to Large Metros    | 2,207,937                   | 22.3                  | 9.9         | 51.8        | 16.1             | 40.5               |
| Nonmetro, Adjacent to Small Metros    | 3,989,453                   | 21.4                  | 9.0         | 52.1        | 17.5             | 42.0               |
| Rural (nonmetro, not adj. to a metro) | 2,549,066                   | 21.9                  | 9.9         | 51.8        | 16.4             | 40.7               |
| <b>Alabama</b>                        | <b>4,799,277</b>            | <b>23.4</b>           | <b>10.1</b> | <b>52.4</b> | <b>14.2</b>      | <b>38.1</b>        |
| Appalachian Alabama                   | 3,074,826                   | 23.1                  | 9.8         | 52.9        | 14.2             | 38.4               |
| Non-Appalachian Alabama               | 1,724,451                   | 23.9                  | 10.6        | 51.4        | 14.1             | 37.3               |
| <b>Georgia</b>                        | <b>9,810,417</b>            | <b>25.4</b>           | <b>10.2</b> | <b>53.3</b> | <b>11.1</b>      | <b>35.6</b>        |
| Appalachian Georgia                   | 2,972,456                   | 26.7                  | 8.8         | 53.4        | 11.1             | 36.2               |
| Non-Appalachian Georgia               | 6,837,961                   | 24.8                  | 10.8        | 53.3        | 11.1             | 35.2               |
| <b>Kentucky</b>                       | <b>4,361,333</b>            | <b>23.4</b>           | <b>9.6</b>  | <b>53.3</b> | <b>13.7</b>      | <b>38.2</b>        |
| Appalachian Kentucky                  | 1,182,515                   | 22.6                  | 9.3         | 53.3        | 14.9             | 39.9               |
| Non-Appalachian Kentucky              | 3,178,818                   | 23.7                  | 9.8         | 53.2        | 13.3             | 37.5               |
| <b>Maryland</b>                       | <b>5,834,299</b>            | <b>23.1</b>           | <b>9.6</b>  | <b>54.6</b> | <b>12.7</b>      | <b>38.0</b>        |
| Appalachian Maryland                  | 252,843                     | 21.1                  | 9.7         | 53.1        | 16.1             | 40.7               |
| Non-Appalachian Maryland              | 5,581,456                   | 23.2                  | 9.6         | 54.6        | 12.5             | 37.9               |
| <b>Mississippi</b>                    | <b>2,976,872</b>            | <b>25.1</b>           | <b>10.4</b> | <b>51.2</b> | <b>13.2</b>      | <b>36.2</b>        |
| Appalachian Mississippi               | 629,196                     | 24.3                  | 11.0        | 50.2        | 14.5             | 37.2               |
| Non-Appalachian Mississippi           | 2,347,676                   | 25.4                  | 10.3        | 51.5        | 12.9             | 35.9               |
| <b>New York</b>                       | <b>19,487,053</b>           | <b>22.0</b>           | <b>10.2</b> | <b>54.0</b> | <b>13.8</b>      | <b>38.1</b>        |
| Appalachian New York                  | 1,062,441                   | 20.7                  | 13.0        | 50.3        | 16.0             | 40.1               |
| Non-Appalachian New York              | 18,424,612                  | 22.1                  | 10.0        | 54.2        | 13.7             | 37.9               |
| <b>North Carolina</b>                 | <b>9,651,380</b>            | <b>23.6</b>           | <b>10.0</b> | <b>53.0</b> | <b>13.4</b>      | <b>37.6</b>        |
| Appalachian North Carolina            | 1,704,390                   | 21.2                  | 9.3         | 52.1        | 17.4             | 41.6               |
| Non-Appalachian North Carolina        | 7,946,990                   | 24.2                  | 10.1        | 53.2        | 12.6             | 36.8               |
| <b>Ohio</b>                           | <b>11,549,590</b>           | <b>23.3</b>           | <b>9.6</b>  | <b>52.6</b> | <b>14.4</b>      | <b>39.0</b>        |
| Appalachian Ohio                      | 2,034,561                   | 22.7                  | 9.0         | 52.3        | 16.0             | 40.8               |
| Non-Appalachian Ohio                  | 9,515,029                   | 23.5                  | 9.7         | 52.7        | 14.1             | 38.5               |
| <b>Pennsylvania</b>                   | <b>12,731,381</b>           | <b>21.7</b>           | <b>9.9</b>  | <b>52.7</b> | <b>15.7</b>      | <b>40.3</b>        |
| Appalachian Pennsylvania              | 5,786,018                   | 20.2                  | 10.0        | 52.5        | 17.3             | 42.1               |
| Non-Appalachian Pennsylvania          | 6,945,363                   | 22.9                  | 9.8         | 52.8        | 14.4             | 38.7               |
| <b>South Carolina</b>                 | <b>4,679,602</b>            | <b>23.1</b>           | <b>10.3</b> | <b>52.4</b> | <b>14.2</b>      | <b>38.1</b>        |
| Appalachian South Carolina            | 1,184,615                   | 23.4                  | 10.3        | 52.0        | 14.3             | 38.2               |
| Non-Appalachian South Carolina        | 3,494,987                   | 22.9                  | 10.3        | 52.5        | 14.2             | 38.1               |
| <b>Tennessee</b>                      | <b>6,402,387</b>            | <b>23.3</b>           | <b>9.6</b>  | <b>53.2</b> | <b>13.9</b>      | <b>38.2</b>        |
| Appalachian Tennessee                 | 2,800,546                   | 21.6                  | 9.3         | 52.6        | 16.4             | 40.8               |
| Non-Appalachian Tennessee             | 3,601,841                   | 24.6                  | 9.9         | 53.6        | 11.9             | 36.1               |
| <b>Virginia</b>                       | <b>8,100,653</b>            | <b>22.9</b>           | <b>10.1</b> | <b>54.4</b> | <b>12.6</b>      | <b>37.5</b>        |
| Appalachian Virginia                  | 767,462                     | 19.3                  | 11.9        | 51.5        | 17.3             | 41.6               |
| Non-Appalachian Virginia              | 7,333,191                   | 23.3                  | 9.9         | 54.7        | 12.1             | 37.1               |
| <b>West Virginia (entire state)</b>   | <b>1,853,619</b>            | <b>20.8</b>           | <b>9.3</b>  | <b>53.5</b> | <b>16.5</b>      | <b>41.5</b>        |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.



**Figure 2.1: Percent of Population in the Appalachian Region Under Age 18, 2009-2013**

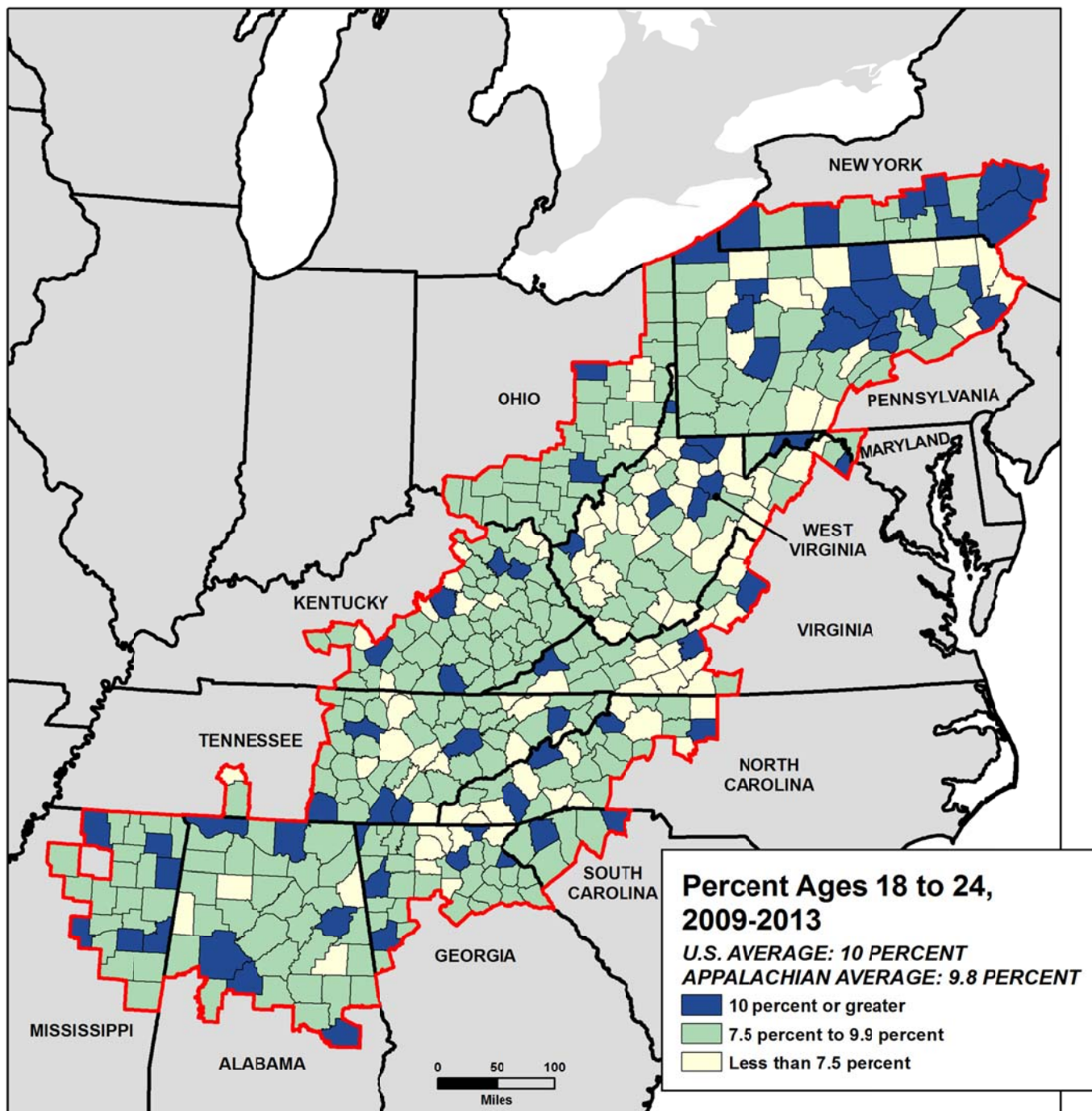


Map Title: Percent of Population in the Appalachian Region Under Age 18, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Over the 2009-2013 period, the share of children and youth under age 18 in the Appalachian population was slightly below the national average of 24 percent. And in nearly one-fifth of the Region's counties (most of which were outside metropolitan areas), the share was actually less than 20 percent. Yet the share of children under age 18 matched or exceeded the national average in another one-fifth of Appalachia's counties. Most of these counties were in Southern Appalachia—the only subregion where the under-18 percentage was greater than that of the nation as a whole.

**Figure 2.2: Percent of Population in the Appalachian Region Ages 18 to 24, 2009-2013**



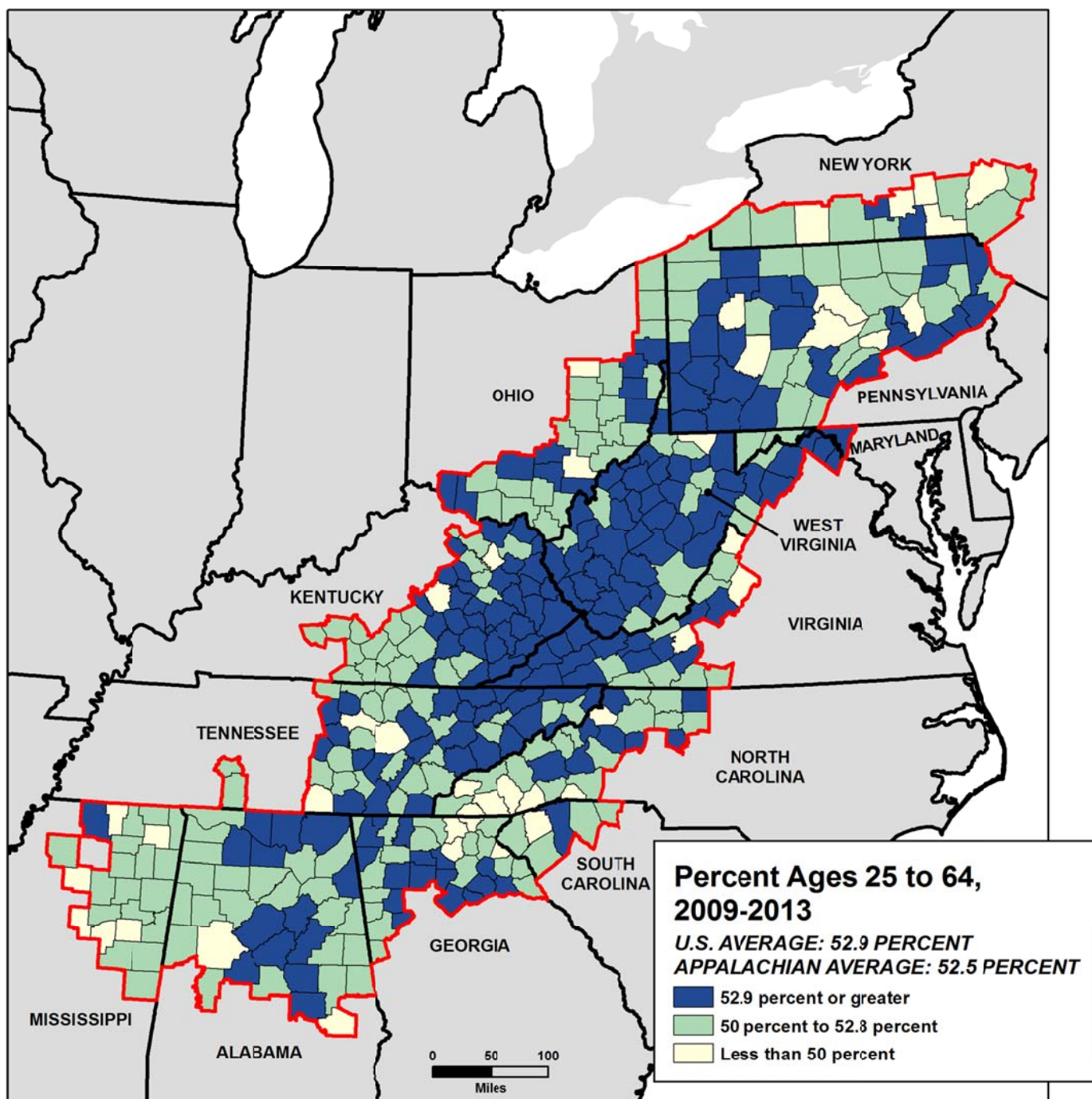
Map Title: Percent of Population in the Appalachian Region Ages 18 to 24, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although the share of young adults (ages 18 to 24) in Appalachia roughly equaled the national average in the 2009-2013 period, there were great variations within the Region. For example, persons in this age group made up at least 15 percent of the population in 23 counties—nearly all of which are home to colleges and universities. In contrast, 18-to-24-year-olds made up less than 7.5 percent of the population in 101 Appalachian counties. Of the counties in this latter group, 70 were outside metropolitan areas, suggesting a possible lack of opportunities in these communities for youth making the transition to adulthood.



**Figure 2.3: Percent of Population in the Appalachian Region Ages 25 to 64, 2009-2013**

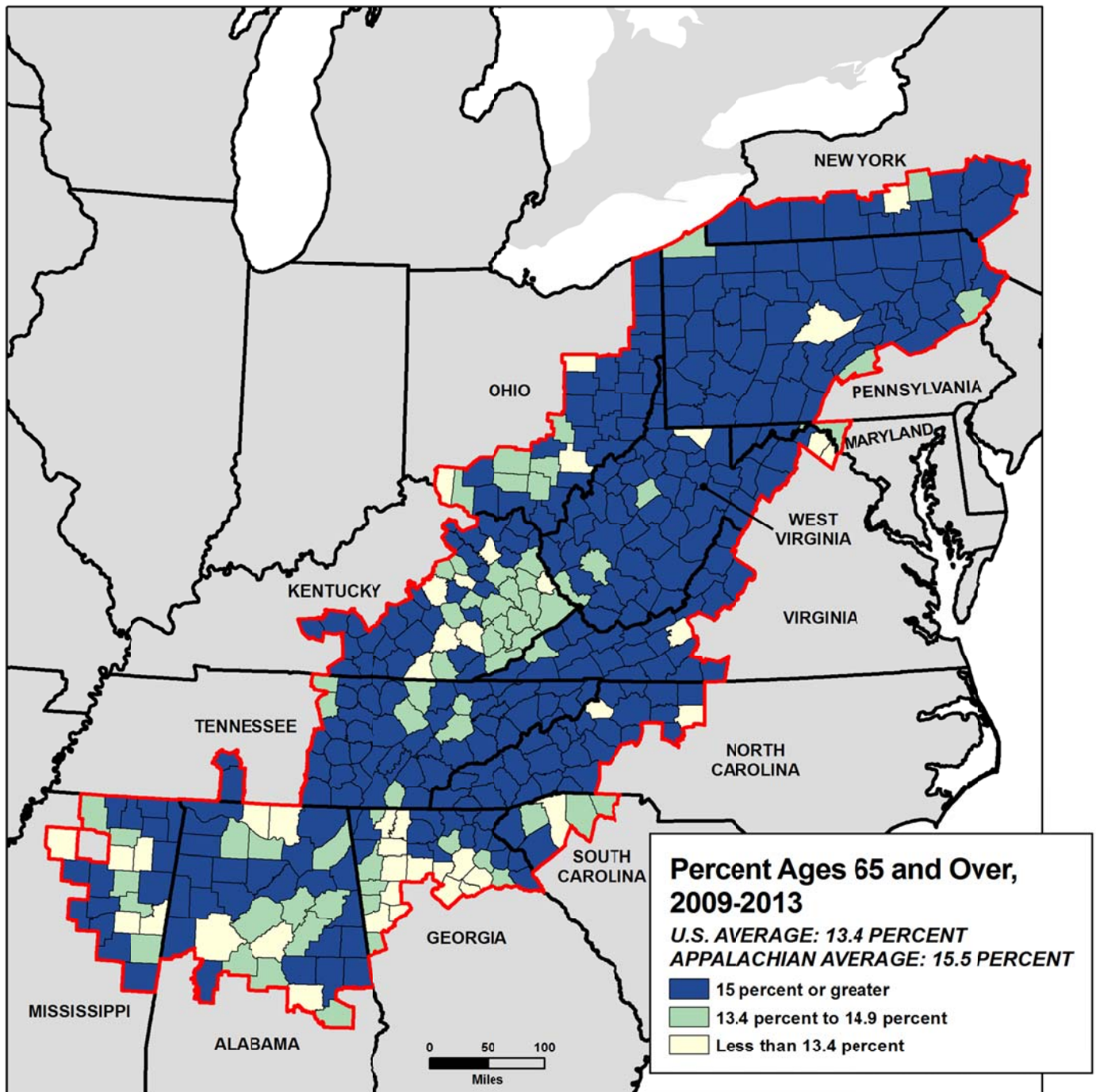


Map Title: Percent of Population in the Appalachian Region Ages 25 to 64, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In both the United States and Appalachia, adults in the prime working ages (ages 25 to 64) made up a slight majority of all residents in the 2009-2013 period. In 189 of the 420 Appalachian counties, the percentage of persons in this age group matched or exceeded the national average. But there were 42 counties in the Region (33 of which were outside metropolitan areas) where 25-to-64-year-olds made up less than half of the population. Many of these counties house colleges and universities (and thus had a high share of their populations in the 18-to-24 age range.)

**Figure 2.4: Percent of Population in the Appalachian Region Ages 65 and Over, 2009-2013**



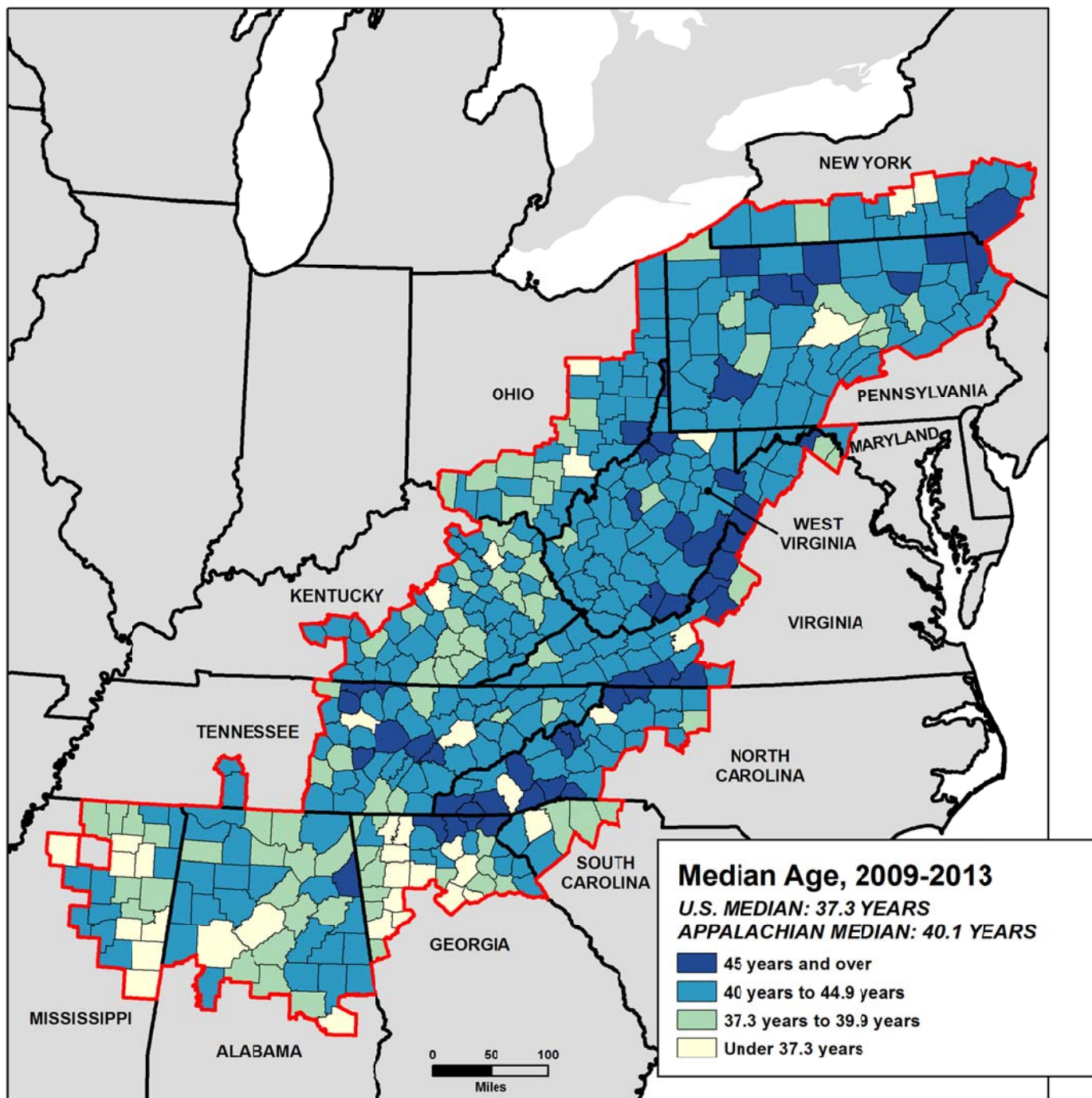
Map Title: Percent of Population in the Appalachian Region Ages 65 and Over, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The share of residents ages 65 and over in the Appalachian Region exceeded the national average during the 2009-2013 period. Moreover, the percentage of persons in this age group matched or exceeded the U.S. share in 378 of the 420 Appalachian counties. In fact, older persons made up at least 15 percent of the population in 313 Appalachian counties, more than two-thirds of which were outside metropolitan areas. In contrast, a majority of the 42 Appalachian counties with older population shares below the national average were either in metro areas or home to colleges and universities. In both Appalachia and the nation, the share of residents ages 65 and over will continue to increase over the coming years as the large baby boom cohorts continue to move into this age group.



**Figure 2.5: Median Age of Persons in the Appalachian Region, 2009-2013**



Map Title: Median Age of Persons in the Appalachian Region, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period, the median age of the Appalachian population was nearly three years older than that of the United States as a whole. Indeed, the median age of the population (the point at which half the population is older and half is younger) exceeded 40 years in the Region as a whole—and was at least 40 years in nearly three-fourths of Appalachian counties. In 52 counties—all but eight of which were outside metro areas—the median age was at least 45 years. Of the 37 counties with populations whose median age was younger than the national median, 24 were in Southern Appalachia—the only subregion where the overall age structure roughly resembled that of the nation. With the aging of the population in both Appalachia and the nation, median age will likely continue to rise in most of the Region's counties.

## CHAPTER 3: RACE AND HISPANIC ORIGIN

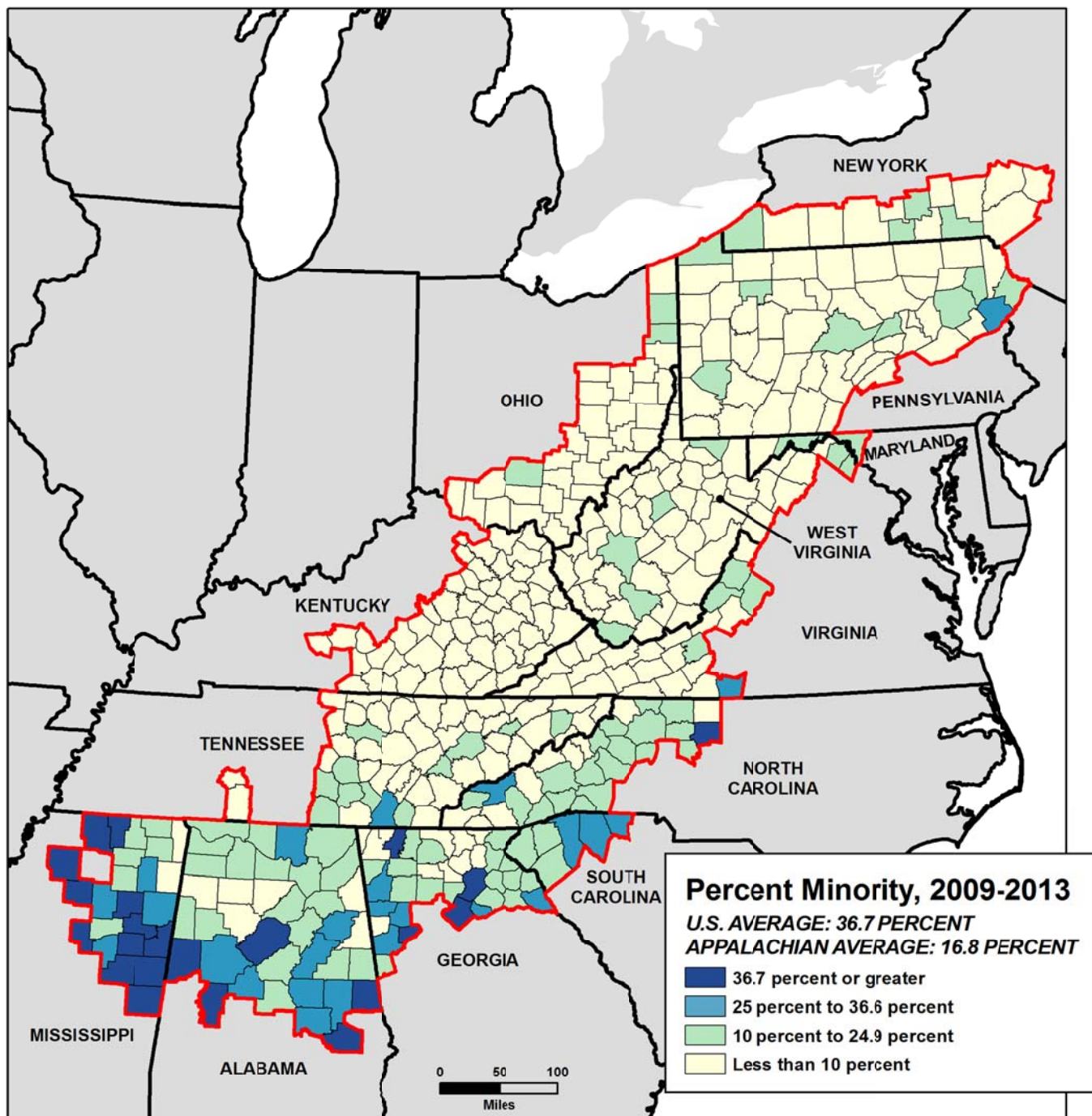
**Table 3.1: Population in the Appalachian Region by Race and Hispanic Origin, 2009-2013**

| Population by Race and Hispanic Origin | Total Population, 2009-2013 | Percent of Population     |             |                           |                    |                     |
|----------------------------------------|-----------------------------|---------------------------|-------------|---------------------------|--------------------|---------------------|
|                                        |                             | White Alone, Not Hispanic | Minority    |                           |                    |                     |
|                                        |                             |                           | Total       | Black Alone, Not Hispanic | Hispanic or Latino | Other, Not Hispanic |
| <b>United States</b>                   | <b>311,536,594</b>          | <b>63.3</b>               | <b>36.7</b> | <b>12.2</b>               | <b>16.6</b>        | <b>7.9</b>          |
| <b>Appalachian Region</b>              | <b>25,305,488</b>           | <b>83.2</b>               | <b>16.8</b> | <b>9.2</b>                | <b>4.3</b>         | <b>3.2</b>          |
| <b>Subregions</b>                      |                             |                           |             |                           |                    |                     |
| Northern Appalachia                    | 8,367,896                   | 89.3                      | 10.7        | 5.1                       | 2.6                | 3.0                 |
| North Central Appalachia               | 2,425,370                   | 93.1                      | 6.9         | 2.7                       | 1.3                | 2.9                 |
| Central Appalachia                     | 1,912,621                   | 95.3                      | 4.7         | 1.9                       | 1.3                | 1.6                 |
| South Central Appalachia               | 4,738,508                   | 85.2                      | 14.8        | 7.0                       | 4.7                | 3.1                 |
| Southern Appalachia                    | 7,861,093                   | 69.5                      | 30.5        | 18.7                      | 7.7                | 4.1                 |
| <b>County Types</b>                    |                             |                           |             |                           |                    |                     |
| Large Metros (pop. 1 million +)        | 5,889,508                   | 74.5                      | 25.5        | 14.8                      | 5.8                | 4.8                 |
| Small Metros (pop. <1 million)         | 10,669,524                  | 82.8                      | 17.2        | 9.1                       | 4.8                | 3.3                 |
| Nonmetro, Adjacent to Large Metros     | 2,207,937                   | 89.1                      | 10.9        | 5.2                       | 3.3                | 2.5                 |
| Nonmetro, Adjacent to Small Metros     | 3,989,453                   | 90.2                      | 9.8         | 4.5                       | 3.0                | 2.2                 |
| Rural (nonmetro, not adj. to a metro)  | 2,549,066                   | 89.0                      | 11.0        | 7.5                       | 1.8                | 1.7                 |
| <b>Alabama</b>                         | <b>4,799,277</b>            | <b>66.8</b>               | <b>33.2</b> | <b>26.2</b>               | <b>3.9</b>         | <b>3.1</b>          |
| Appalachian Alabama                    | 3,074,826                   | 70.8                      | 29.2        | 21.9                      | 4.4                | 2.9                 |
| Non-Appalachian Alabama                | 1,724,451                   | 59.7                      | 40.3        | 33.8                      | 3.0                | 3.5                 |
| <b>Georgia</b>                         | <b>9,810,417</b>            | <b>55.4</b>               | <b>44.6</b> | <b>30.3</b>               | <b>8.9</b>         | <b>5.4</b>          |
| Appalachian Georgia                    | 2,972,456                   | 67.4                      | 32.6        | 13.6                      | 12.9               | 6.1                 |
| Non-Appalachian Georgia                | 6,837,961                   | 50.2                      | 49.8        | 37.5                      | 7.2                | 5.1                 |
| <b>Kentucky</b>                        | <b>4,361,333</b>            | <b>86.1</b>               | <b>13.9</b> | <b>7.7</b>                | <b>3.1</b>         | <b>3.1</b>          |
| Appalachian Kentucky                   | 1,182,515                   | 95.3                      | 4.7         | 1.8                       | 1.3                | 1.6                 |
| Non-Appalachian Kentucky               | 3,178,818                   | 82.6                      | 17.4        | 9.9                       | 3.8                | 3.7                 |
| <b>Maryland</b>                        | <b>5,834,299</b>            | <b>54.1</b>               | <b>45.9</b> | <b>29.0</b>               | <b>8.5</b>         | <b>8.4</b>          |
| Appalachian Maryland                   | 252,843                     | 85.9                      | 14.1        | 8.0                       | 2.7                | 3.4                 |
| Non-Appalachian Maryland               | 5,581,456                   | 52.7                      | 47.3        | 30.0                      | 8.7                | 8.6                 |
| <b>Mississippi</b>                     | <b>2,976,872</b>            | <b>57.8</b>               | <b>42.2</b> | <b>37.0</b>               | <b>2.7</b>         | <b>2.4</b>          |
| Appalachian Mississippi                | 629,196                     | 64.6                      | 35.4        | 31.6                      | 2.3                | 1.6                 |
| Non-Appalachian Mississippi            | 2,347,676                   | 56.0                      | 44.0        | 38.5                      | 2.9                | 2.6                 |
| <b>New York</b>                        | <b>19,487,053</b>           | <b>57.8</b>               | <b>42.2</b> | <b>14.4</b>               | <b>17.9</b>        | <b>9.9</b>          |
| Appalachian New York                   | 1,062,441                   | 89.7                      | 10.3        | 2.7                       | 3.2                | 4.4                 |
| Non-Appalachian New York               | 18,424,612                  | 56.0                      | 44.0        | 15.1                      | 18.7               | 10.2                |
| <b>North Carolina</b>                  | <b>9,651,380</b>            | <b>64.9</b>               | <b>35.1</b> | <b>21.1</b>               | <b>8.5</b>         | <b>5.4</b>          |
| Appalachian North Carolina             | 1,704,390                   | 80.9                      | 19.1        | 8.7                       | 7.0                | 3.5                 |
| Non-Appalachian North Carolina         | 7,946,990                   | 61.5                      | 38.5        | 23.8                      | 8.9                | 5.9                 |
| <b>Ohio</b>                            | <b>11,549,590</b>           | <b>80.8</b>               | <b>19.2</b> | <b>12.0</b>               | <b>3.2</b>         | <b>4.0</b>          |
| Appalachian Ohio                       | 2,034,561                   | 91.6                      | 8.4         | 4.2                       | 1.7                | 2.5                 |
| Non-Appalachian Ohio                   | 9,515,029                   | 78.5                      | 21.5        | 13.7                      | 3.5                | 4.3                 |
| <b>Pennsylvania</b>                    | <b>12,731,381</b>           | <b>79.0</b>               | <b>21.0</b> | <b>10.5</b>               | <b>5.9</b>         | <b>4.6</b>          |
| Appalachian Pennsylvania               | 5,786,018                   | 89.2                      | 10.8        | 5.3                       | 2.5                | 2.9                 |
| Non-Appalachian Pennsylvania           | 6,945,363                   | 70.5                      | 29.5        | 14.8                      | 8.7                | 6.0                 |
| <b>South Carolina</b>                  | <b>4,679,602</b>            | <b>64.0</b>               | <b>36.0</b> | <b>27.6</b>               | <b>5.2</b>         | <b>3.3</b>          |
| Appalachian South Carolina             | 1,184,615                   | 74.1                      | 25.9        | 16.5                      | 5.9                | 3.4                 |
| Non-Appalachian South Carolina         | 3,494,987                   | 60.6                      | 39.4        | 31.3                      | 4.9                | 3.2                 |
| <b>Tennessee</b>                       | <b>6,402,387</b>            | <b>75.3</b>               | <b>24.7</b> | <b>16.7</b>               | <b>4.7</b>         | <b>3.4</b>          |
| Appalachian Tennessee                  | 2,800,546                   | 88.4                      | 11.6        | 5.4                       | 3.4                | 2.8                 |
| Non-Appalachian Tennessee              | 3,601,841                   | 65.1                      | 34.9        | 25.4                      | 5.7                | 3.8                 |
| <b>Virginia</b>                        | <b>8,100,653</b>            | <b>64.3</b>               | <b>35.7</b> | <b>19.0</b>               | <b>8.1</b>         | <b>8.5</b>          |
| Appalachian Virginia                   | 767,462                     | 90.1                      | 9.9         | 5.3                       | 2.0                | 2.5                 |
| Non-Appalachian Virginia               | 7,333,191                   | 61.6                      | 38.4        | 20.4                      | 8.8                | 9.1                 |
| <b>West Virginia (entire state)</b>    | <b>1,853,619</b>            | <b>92.9</b>               | <b>7.1</b>  | <b>3.1</b>                | <b>1.3</b>         | <b>2.8</b>          |

Note: "Other" includes these racial groups: (a) American Indian and Alaska Native alone; (b) Asian alone; (c) Native Hawaiian and Other Pacific Islander alone; (d) Some other race alone; and (e) Two or more races.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 3.1: Percent of Population in the Appalachian Region That Is Minority, 2009-2013**



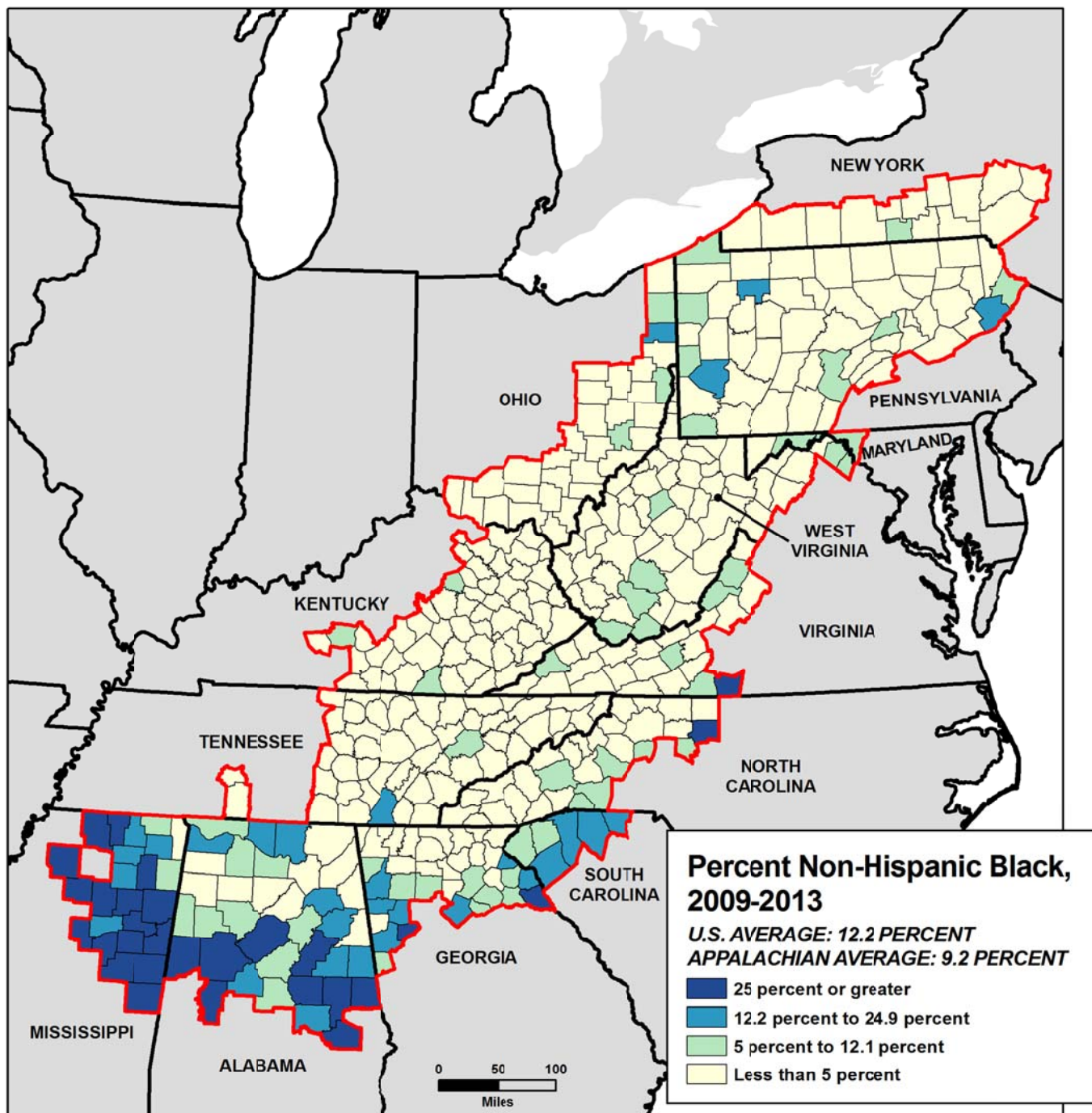
Map Title: Percent of Population in the Appalachian Region That Is Minority, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The Appalachian Region is significantly less racially and ethnically diverse than the United States as a whole, and most parts of the Region have remained far below the national average in their minority populations. In two-thirds of Appalachian counties, minorities (defined as anyone who identifies with a racial or ethnic group *other than* “white alone, not Hispanic”) made up less than 10 percent of the population during the 2009-2013 period. There were just 22 counties—all but one in Southern Appalachia—where minorities’ share of the population matched or exceeded the national average.



**Figure 3.2: Percent of Population in the Appalachian Region That Is Black Alone, not Hispanic, 2009-2013**



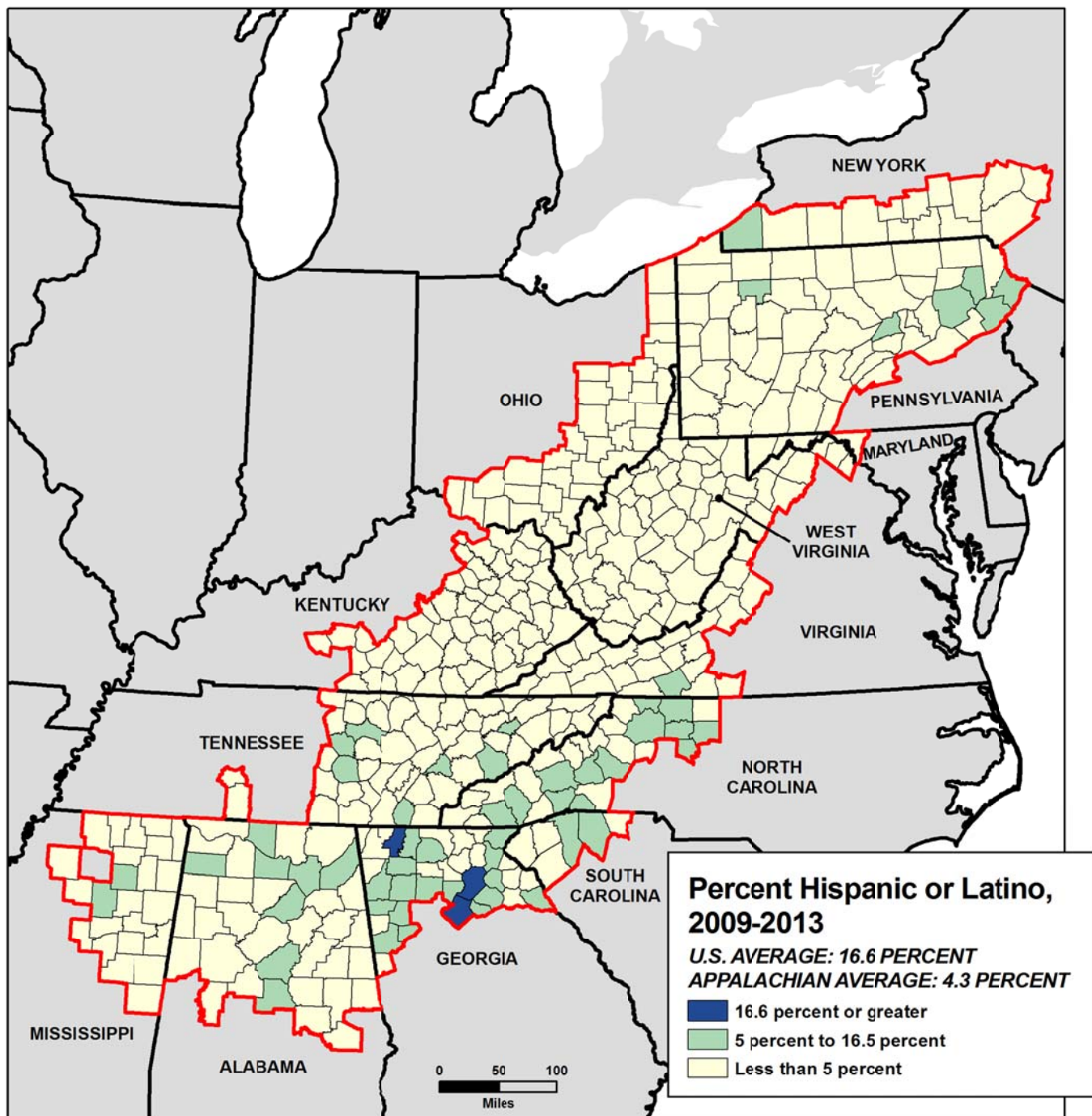
Map Title: Percent of Population in the Appalachian Region That Is Black Alone, not Hispanic, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although non-Hispanic African Americans remained the largest single minority group in Appalachia during the 2009-2013 period, their share of the Region's total population was still lower than in the United States as a whole. Within the Region, the largest proportions were in Southern Appalachia—the only subregion where blacks' share of the population exceeded the national average. Southern Appalachia also had 52 of the Region's 59 counties where the black share of the population matched or surpassed that of the nation—as well as 27 of the 29 where at least one in four residents was African American. At the other end of the spectrum, persons who were "black alone, not Hispanic" accounted for less than 5 percent of the residents in nearly three-fourths of Appalachian counties.



**Figure 3.3: Percent of Population in the Appalachian Region That Is Hispanic or Latino, 2009-2013**



Map Title: Percent of Population in the Appalachian Region That Is Hispanic or Latino, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although Hispanics have become the United States' largest minority group, they made up only one in 25 residents in the Appalachian Region during the 2009-2013 period. The county patterns reflect this fact, as Hispanics were at least 5 percent of the population in just 60 of Appalachia's 420 counties. Moreover, just three Appalachian counties (Gwinnett, Hall, and Whitfield—all in Georgia) had Latino population shares that matched or exceeded the national average.

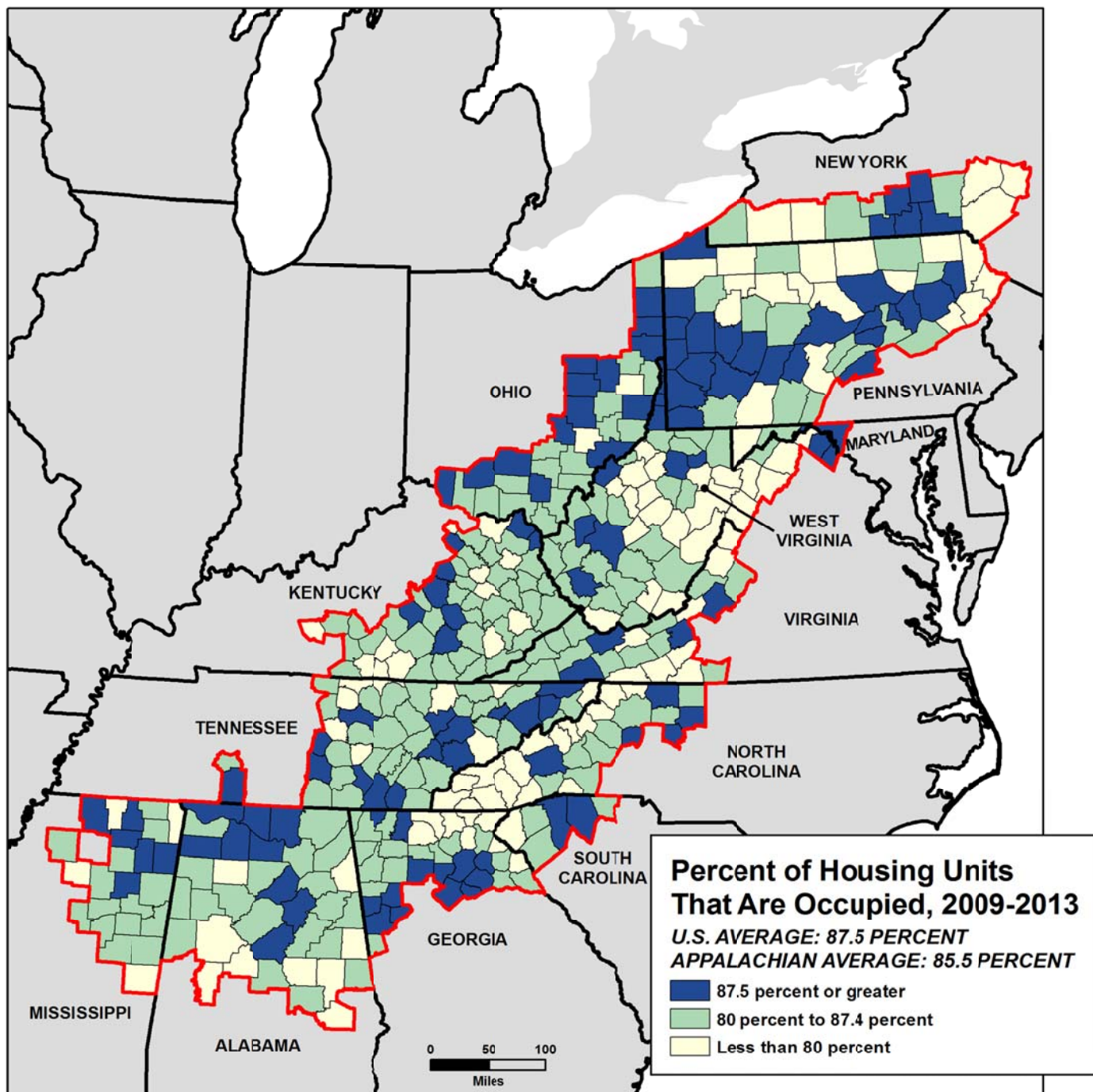
## CHAPTER 4: HOUSING OCCUPANCY AND TENURE

**Table 4.1: Occupancy and Tenure of Housing Units in the Appalachian Region, 2009-2013**

| Housing Occupancy and Tenure          | Total Number of Housing Units | Number of Occupied Housing Units | Percent of Total Housing Units |             | Percent of Occupied Housing Units |                 |
|---------------------------------------|-------------------------------|----------------------------------|--------------------------------|-------------|-----------------------------------|-----------------|
|                                       |                               |                                  | Occupied                       | Vacant      | Owner-Occupied                    | Renter-Occupied |
| <b>United States</b>                  | <b>132,057,804</b>            | <b>115,610,216</b>               | <b>87.5</b>                    | <b>12.5</b> | <b>64.9</b>                       | <b>35.1</b>     |
| <b>Appalachian Region</b>             | <b>11,528,040</b>             | <b>9,860,201</b>                 | <b>85.5</b>                    | <b>14.5</b> | <b>71.4</b>                       | <b>28.6</b>     |
| <b>Subregions</b>                     |                               |                                  |                                |             |                                   |                 |
| Northern Appalachia                   | 3,915,964                     | 3,365,360                        | 85.9                           | 14.1        | 71.3                              | 28.7            |
| North Central Appalachia              | 1,115,235                     | 948,315                          | 85.0                           | 15.0        | 72.8                              | 27.2            |
| Central Appalachia                    | 880,623                       | 743,782                          | 84.5                           | 15.5        | 73.1                              | 26.9            |
| South Central Appalachia              | 2,260,656                     | 1,909,720                        | 84.5                           | 15.5        | 70.2                              | 29.8            |
| Southern Appalachia                   | 3,355,562                     | 2,893,024                        | 86.2                           | 13.8        | 71.2                              | 28.8            |
| <b>County Types</b>                   |                               |                                  |                                |             |                                   |                 |
| Large Metros (pop. 1 million +)       | 2,532,289                     | 2,246,318                        | 88.7                           | 11.3        | 71.5                              | 28.5            |
| Small Metros (pop. <1 million)        | 4,781,000                     | 4,190,922                        | 87.7                           | 12.3        | 69.8                              | 30.2            |
| Nonmetro, Adjacent to Large Metros    | 1,023,414                     | 856,488                          | 83.7                           | 16.3        | 72.1                              | 27.9            |
| Nonmetro, Adjacent to Small Metros    | 1,944,554                     | 1,574,587                        | 81.0                           | 19.0        | 73.8                              | 26.2            |
| Rural (nonmetro, not adj. to a metro) | 1,246,783                     | 991,886                          | 79.6                           | 20.4        | 73.1                              | 26.9            |
| <b>Alabama</b>                        | <b>2,178,116</b>              | <b>1,838,683</b>                 | <b>84.4</b>                    | <b>15.6</b> | <b>69.7</b>                       | <b>30.3</b>     |
| Appalachian Alabama                   | 1,381,526                     | 1,180,947                        | 85.5                           | 14.5        | 71.1                              | 28.9            |
| Non-Appalachian Alabama               | 796,590                       | 657,736                          | 82.6                           | 17.4        | 67.3                              | 32.7            |
| <b>Georgia</b>                        | <b>4,094,812</b>              | <b>3,518,097</b>                 | <b>85.9</b>                    | <b>14.1</b> | <b>65.1</b>                       | <b>34.9</b>     |
| Appalachian Georgia                   | 1,177,946                     | 1,024,305                        | 87.0                           | 13.0        | 72.2                              | 27.8            |
| Non-Appalachian Georgia               | 2,916,866                     | 2,493,792                        | 85.5                           | 14.5        | 62.3                              | 37.7            |
| <b>Kentucky</b>                       | <b>1,930,158</b>              | <b>1,694,996</b>                 | <b>87.8</b>                    | <b>12.2</b> | <b>68.4</b>                       | <b>31.6</b>     |
| Appalachian Kentucky                  | 538,262                       | 455,783                          | 84.7                           | 15.3        | 71.7                              | 28.3            |
| Non-Appalachian Kentucky              | 1,391,896                     | 1,239,213                        | 89.0                           | 11.0        | 67.2                              | 32.8            |
| <b>Maryland</b>                       | <b>2,387,285</b>              | <b>2,146,240</b>                 | <b>89.9</b>                    | <b>10.1</b> | <b>67.6</b>                       | <b>32.4</b>     |
| Appalachian Maryland                  | 112,964                       | 96,367                           | 85.3                           | 14.7        | 67.7                              | 32.3            |
| Non-Appalachian Maryland              | 2,274,321                     | 2,049,873                        | 90.1                           | 9.9         | 67.6                              | 32.4            |
| <b>Mississippi</b>                    | <b>1,277,522</b>              | <b>1,088,073</b>                 | <b>85.2</b>                    | <b>14.8</b> | <b>69.4</b>                       | <b>30.6</b>     |
| Appalachian Mississippi               | 278,474                       | 237,138                          | 85.2                           | 14.8        | 71.3                              | 28.7            |
| Non-Appalachian Mississippi           | 999,048                       | 850,935                          | 85.2                           | 14.8        | 68.9                              | 31.1            |
| <b>New York</b>                       | <b>8,113,270</b>              | <b>7,234,743</b>                 | <b>89.2</b>                    | <b>10.8</b> | <b>54.2</b>                       | <b>45.8</b>     |
| Appalachian New York                  | 508,376                       | 423,718                          | 83.3                           | 16.7        | 69.5                              | 30.5            |
| Non-Appalachian New York              | 7,604,894                     | 6,811,025                        | 89.6                           | 10.4        | 53.3                              | 46.7            |
| <b>North Carolina</b>                 | <b>4,349,023</b>              | <b>3,715,565</b>                 | <b>85.4</b>                    | <b>14.6</b> | <b>66.4</b>                       | <b>33.6</b>     |
| Appalachian North Carolina            | 856,625                       | 689,691                          | 80.5                           | 19.5        | 70.4                              | 29.6            |
| Non-Appalachian North Carolina        | 3,492,398                     | 3,025,874                        | 86.6                           | 13.4        | 65.5                              | 34.5            |
| <b>Ohio</b>                           | <b>5,124,221</b>              | <b>4,557,655</b>                 | <b>88.9</b>                    | <b>11.1</b> | <b>67.5</b>                       | <b>32.5</b>     |
| Appalachian Ohio                      | 902,334                       | 792,192                          | 87.8                           | 12.2        | 72.4                              | 27.6            |
| Non-Appalachian Ohio                  | 4,221,887                     | 3,765,463                        | 89.2                           | 10.8        | 66.4                              | 33.6            |
| <b>Pennsylvania</b>                   | <b>5,565,653</b>              | <b>4,958,427</b>                 | <b>89.1</b>                    | <b>10.9</b> | <b>69.8</b>                       | <b>30.2</b>     |
| Appalachian Pennsylvania              | 2,718,203                     | 2,337,394                        | 86.0                           | 14.0        | 71.6                              | 28.4            |
| Non-Appalachian Pennsylvania          | 2,847,450                     | 2,621,033                        | 92.0                           | 8.0         | 68.2                              | 31.8            |
| <b>South Carolina</b>                 | <b>2,143,464</b>              | <b>1,780,251</b>                 | <b>83.1</b>                    | <b>16.9</b> | <b>69.1</b>                       | <b>30.9</b>     |
| Appalachian South Carolina            | 517,616                       | 450,634                          | 87.1                           | 12.9        | 69.4                              | 30.6            |
| Non-Appalachian South Carolina        | 1,625,848                     | 1,329,617                        | 81.8                           | 18.2        | 69.0                              | 31.0            |
| <b>Tennessee</b>                      | <b>2,821,797</b>              | <b>2,475,195</b>                 | <b>87.7</b>                    | <b>12.3</b> | <b>67.8</b>                       | <b>32.2</b>     |
| Appalachian Tennessee                 | 1,290,506                     | 1,123,423                        | 87.1                           | 12.9        | 70.4                              | 29.6            |
| Non-Appalachian Tennessee             | 1,531,291                     | 1,351,772                        | 88.3                           | 11.7        | 65.5                              | 34.5            |
| <b>Virginia</b>                       | <b>3,381,332</b>              | <b>3,022,739</b>                 | <b>89.4</b>                    | <b>10.6</b> | <b>67.3</b>                       | <b>32.7</b>     |
| Appalachian Virginia                  | 364,257                       | 307,219                          | 84.3                           | 15.7        | 71.7                              | 28.3            |
| Non-Appalachian Virginia              | 3,017,075                     | 2,715,520                        | 90.0                           | 10.0        | 66.8                              | 33.2            |
| <b>West Virginia (entire state)</b>   | <b>880,951</b>                | <b>741,390</b>                   | <b>84.2</b>                    | <b>15.8</b> | <b>73.4</b>                       | <b>26.6</b>     |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 4.1: Percent of Housing Units in the Appalachian Region That Are Occupied, 2009-2013**



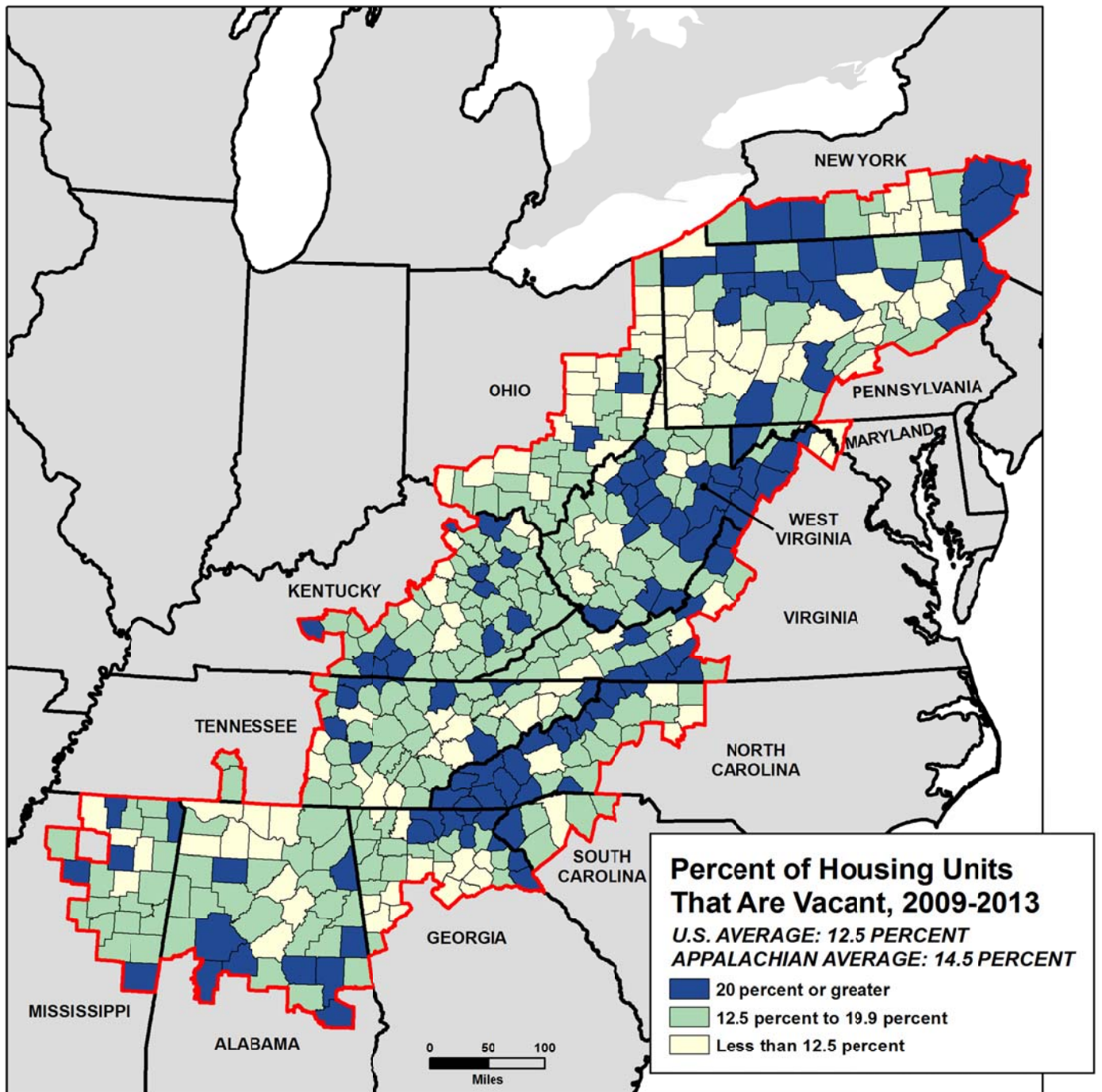
Map Title: Percent of Housing Units in the Appalachian Region That Are Occupied, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although the home occupancy rate during the 2009-2013 period was slightly lower in Appalachia than in the United States as a whole, there were 116 counties in the Region that had occupancy rates matching or exceeding the national average. And while they were scattered throughout the Region, 79 of these counties were in metropolitan areas. Conversely, less than four-fifths of housing units were occupied in 113 Appalachian counties—all but 17 of which lay outside metropolitan areas. It is important to note that for both Appalachia and the nation, the occupancy rates in the 2009-2013 period were about three percentage points lower than they were in the 2000 Census, suggesting that housing occupancy has not yet returned to pre-recession levels.



**Figure 4.2: Percent of Housing Units in the Appalachian Region That Are Vacant, 2009-2013**

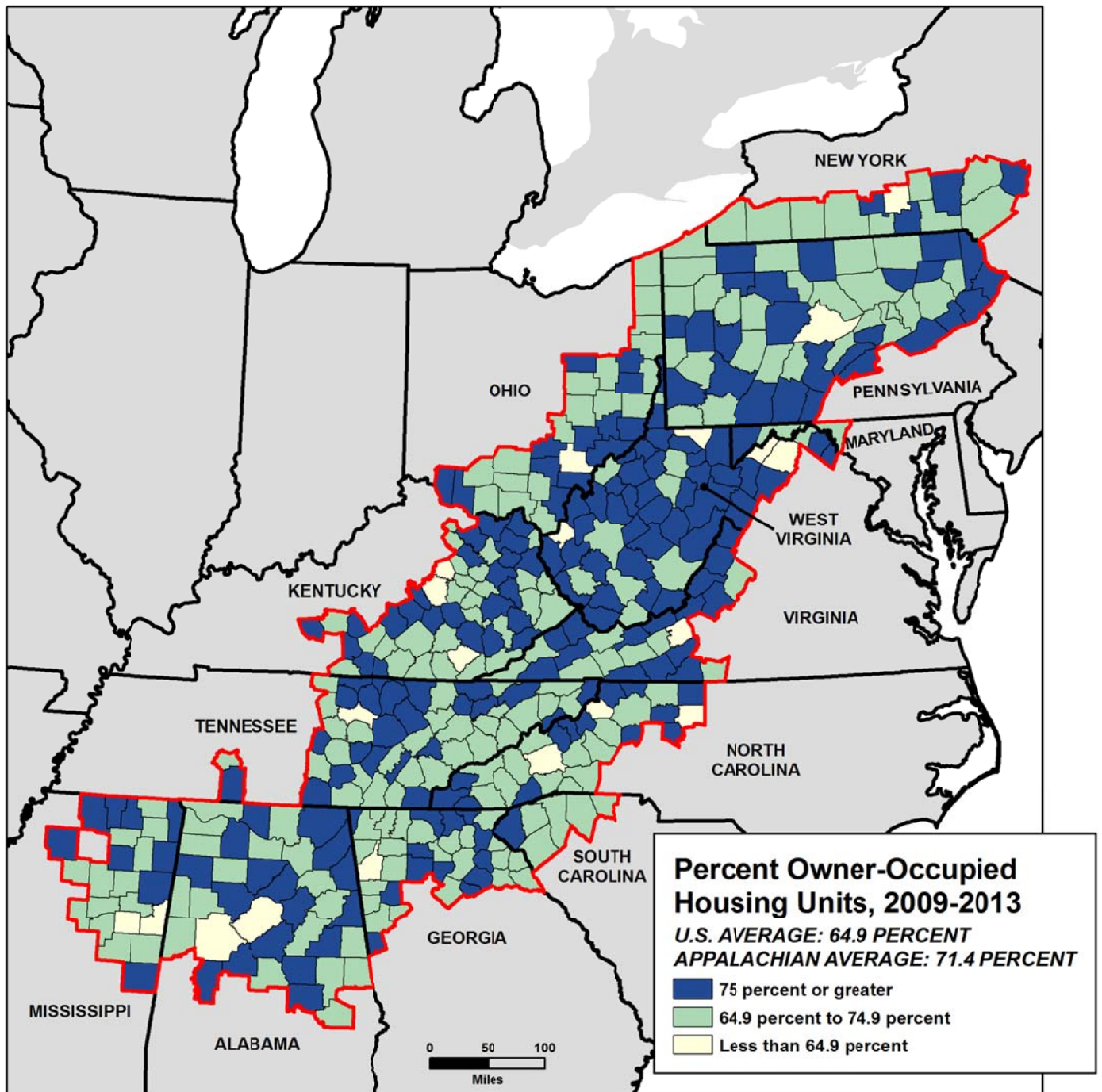


Map Title: Percent of Housing Units in the Appalachian Region That Are Vacant, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

One in seven Appalachian housing units were vacant during the 2009-2013 period, compared to one in eight for the nation as a whole. Vacancy rates varied within the Region, however. While one-fourth of Appalachian counties (nearly all outside metropolitan areas) had vacancy rates at or above 20 percent, another one-fourth (mostly in metro areas) had rates below the national average. It is important to note that in 158 of the 309 Appalachian counties with vacancy rates of 12.5 percent or more, at least one-third of the vacant units were designated for seasonal or occasional use—suggesting significant recreational, resort, or retirement activity in the community.

**Figure 4.3: Percent Owner-Occupied Housing Units in the Appalachian Region, 2009-2013**



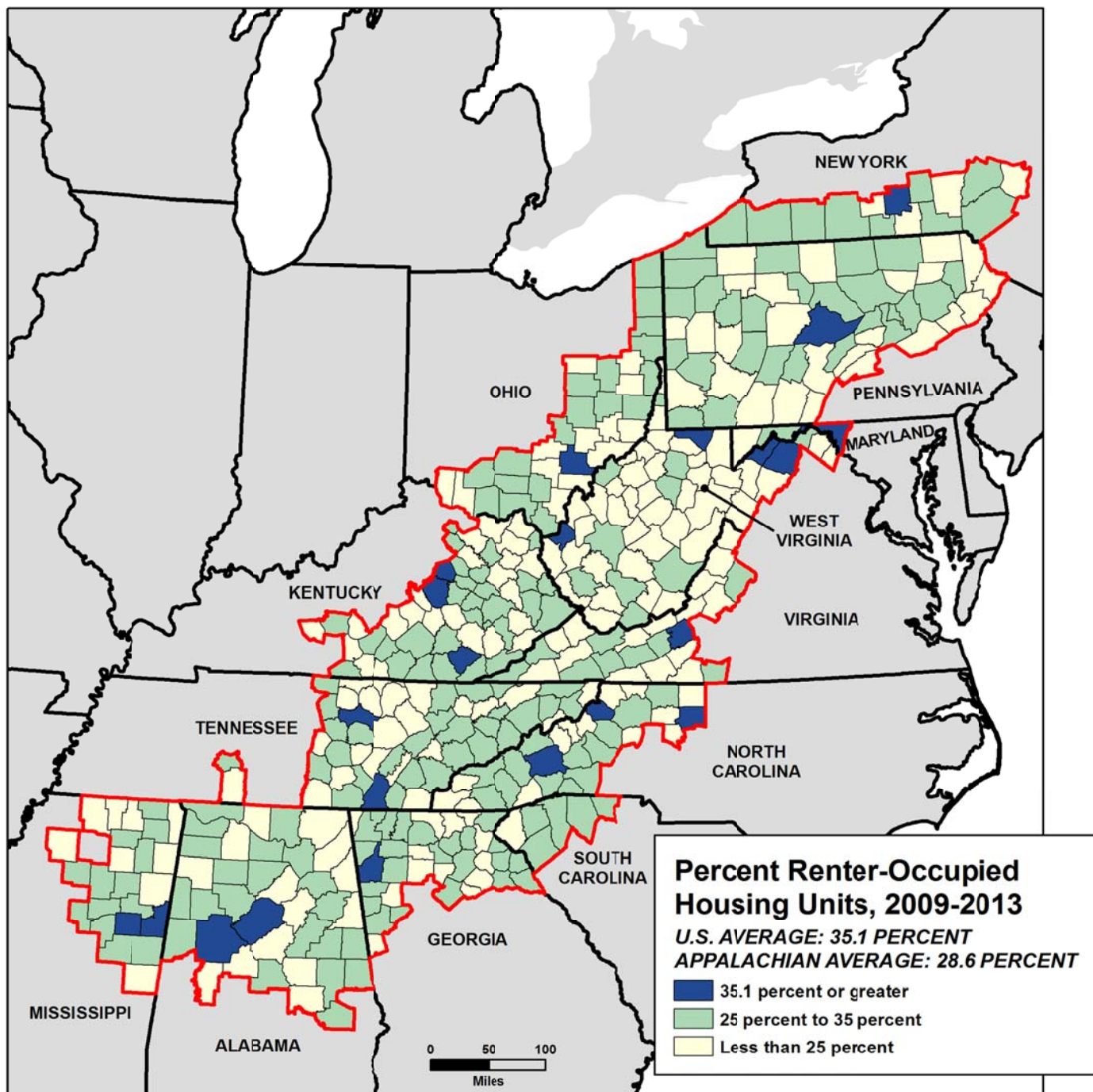
Map Title: Percent Owner-Occupied Housing Units in the Appalachian Region, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period, homeownership was more common in the Appalachian Region than in the rest of the country. In all but 20 counties, the share of owner-occupied housing units matched or exceeded the national average. Indeed, the homeownership rate was at least 75 percent in 199 of Appalachia's 420 counties. It is important to note that for some parts of the Region, the high homeownership rates might be related to low levels of economic and residential mobility, the rise in the number and share of mobile homes among the housing stock, and to a lesser extent, the older age structure of the Appalachian population.



**Figure 4.4: Percent Renter-Occupied Housing Units in the Appalachian Region, 2009-2013**



Map Title: Percent Renter-Occupied Housing Units in the Appalachian Region, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The share of renter-occupied housing units during the 2009-2013 period was well below the national average throughout Appalachia; in fact, it was less than 25 percent in 194 of the Region's 420 counties. Among the 22 Appalachian counties where the share of renter-occupied units matched or exceeded the national average, most are home to colleges or universities, where students make up a fairly sizeable share of the population. The share of renter-occupied units in Appalachia was two percentage points higher than it was in the 2000 Census, which may be associated with the recession and the housing crisis.



## CHAPTER 5: EDUCATION

**Table 5.1: Educational Attainment of Persons Ages 25 and Over in the Appalachian Region, 2009-2013**

| Education (Highest Level Attained)    | Total Population Ages 25 and Over, 2009-2013 | Percent of Population Ages 25 and Over |                             |                                    |                    |                           |
|---------------------------------------|----------------------------------------------|----------------------------------------|-----------------------------|------------------------------------|--------------------|---------------------------|
|                                       |                                              | Less than High School Diploma          | High School Diploma or More |                                    |                    |                           |
|                                       |                                              |                                        | Total                       | H.S. Grad, No Postsecondary Degree | Associate's Degree | Bachelor's Degree or More |
| <b>United States</b>                  | <b>206,587,852</b>                           | <b>14.0</b>                            | <b>86.0</b>                 | <b>49.4</b>                        | <b>7.8</b>         | <b>28.8</b>               |
| <b>Appalachian Region</b>             | <b>17,227,705</b>                            | <b>15.4</b>                            | <b>84.6</b>                 | <b>55.0</b>                        | <b>7.8</b>         | <b>21.7</b>               |
| <b>Subregions</b>                     |                                              |                                        |                             |                                    |                    |                           |
| Northern Appalachia                   | 5,800,330                                    | 11.0                                   | 89.0                        | 57.6                               | 8.8                | 22.6                      |
| North Central Appalachia              | 1,666,039                                    | 15.3                                   | 84.7                        | 59.3                               | 7.0                | 18.4                      |
| Central Appalachia                    | 1,322,449                                    | 25.1                                   | 74.9                        | 56.2                               | 6.1                | 12.7                      |
| South Central Appalachia              | 3,267,409                                    | 16.6                                   | 83.4                        | 53.5                               | 7.7                | 22.2                      |
| Southern Appalachia                   | 5,171,478                                    | 17.3                                   | 82.7                        | 51.4                               | 7.6                | 23.6                      |
| <b>County Types</b>                   |                                              |                                        |                             |                                    |                    |                           |
| Large Metros (pop. 1 million +)       | 3,979,809                                    | 11.5                                   | 88.5                        | 51.6                               | 8.3                | 28.6                      |
| Small Metros (pop. <1 million)        | 7,235,000                                    | 14.4                                   | 85.6                        | 54.5                               | 7.9                | 23.1                      |
| Nonmetro, Adjacent to Large Metros    | 1,497,669                                    | 16.9                                   | 83.1                        | 58.9                               | 8.2                | 16.0                      |
| Nonmetro, Adjacent to Small Metros    | 2,776,907                                    | 18.5                                   | 81.5                        | 58.8                               | 7.4                | 15.3                      |
| Rural (nonmetro, not adj. to a metro) | 1,738,320                                    | 22.3                                   | 77.7                        | 55.6                               | 7.1                | 15.0                      |
| <b>Alabama</b>                        | <b>3,193,338</b>                             | <b>16.9</b>                            | <b>83.1</b>                 | <b>53.1</b>                        | <b>7.4</b>         | <b>22.6</b>               |
| Appalachian Alabama                   | 2,062,954                                    | 16.9                                   | 83.1                        | 52.6                               | 7.3                | 23.2                      |
| Non-Appalachian Alabama               | 1,130,384                                    | 16.9                                   | 83.1                        | 53.9                               | 7.5                | 21.6                      |
| <b>Georgia</b>                        | <b>6,323,120</b>                             | <b>15.3</b>                            | <b>84.7</b>                 | <b>49.8</b>                        | <b>6.9</b>         | <b>28.0</b>               |
| Appalachian Georgia                   | 1,916,301                                    | 16.9                                   | 83.1                        | 50.6                               | 7.3                | 25.2                      |
| Non-Appalachian Georgia               | 4,406,819                                    | 14.5                                   | 85.5                        | 49.5                               | 6.8                | 29.2                      |
| <b>Kentucky</b>                       | <b>2,920,579</b>                             | <b>17.0</b>                            | <b>83.0</b>                 | <b>54.4</b>                        | <b>7.1</b>         | <b>21.5</b>               |
| Appalachian Kentucky                  | 805,911                                      | 25.2                                   | 74.8                        | 55.4                               | 6.2                | 13.3                      |
| Non-Appalachian Kentucky              | 2,114,668                                    | 13.9                                   | 86.1                        | 54.0                               | 7.4                | 24.7                      |
| <b>Maryland</b>                       | <b>3,922,827</b>                             | <b>11.3</b>                            | <b>88.7</b>                 | <b>45.6</b>                        | <b>6.3</b>         | <b>36.8</b>               |
| Appalachian Maryland                  | 175,109                                      | 13.6                                   | 86.4                        | 60.0                               | 7.8                | 18.6                      |
| Non-Appalachian Maryland              | 3,747,718                                    | 11.2                                   | 88.8                        | 45.0                               | 6.2                | 37.7                      |
| <b>Mississippi</b>                    | <b>1,918,110</b>                             | <b>18.5</b>                            | <b>81.5</b>                 | <b>53.2</b>                        | <b>8.1</b>         | <b>20.1</b>               |
| Appalachian Mississippi               | 406,936                                      | 22.1                                   | 77.9                        | 53.2                               | 7.9                | 16.9                      |
| Non-Appalachian Mississippi           | 1,511,174                                    | 17.6                                   | 82.4                        | 53.2                               | 8.2                | 21.0                      |
| <b>New York</b>                       | <b>13,211,060</b>                            | <b>14.8</b>                            | <b>85.2</b>                 | <b>43.5</b>                        | <b>8.4</b>         | <b>33.2</b>               |
| Appalachian New York                  | 704,768                                      | 11.1                                   | 88.9                        | 53.0                               | 11.8               | 24.1                      |
| Non-Appalachian New York              | 12,506,292                                   | 15.1                                   | 84.9                        | 43.0                               | 8.2                | 33.7                      |
| <b>North Carolina</b>                 | <b>6,408,022</b>                             | <b>15.1</b>                            | <b>84.9</b>                 | <b>49.0</b>                        | <b>8.7</b>         | <b>27.3</b>               |
| Appalachian North Carolina            | 1,183,722                                    | 16.3                                   | 83.7                        | 51.0                               | 8.8                | 23.9                      |
| Non-Appalachian North Carolina        | 5,224,300                                    | 14.8                                   | 85.2                        | 48.5                               | 8.7                | 28.0                      |
| <b>Ohio</b>                           | <b>7,746,520</b>                             | <b>11.5</b>                            | <b>88.5</b>                 | <b>55.5</b>                        | <b>7.8</b>         | <b>25.2</b>               |
| Appalachian Ohio                      | 1,389,454                                    | 14.5                                   | 85.5                        | 61.7                               | 7.8                | 16.0                      |
| Non-Appalachian Ohio                  | 6,357,066                                    | 10.9                                   | 89.1                        | 54.1                               | 7.9                | 27.1                      |
| <b>Pennsylvania</b>                   | <b>8,712,762</b>                             | <b>11.3</b>                            | <b>88.7</b>                 | <b>53.5</b>                        | <b>7.6</b>         | <b>27.5</b>               |
| Appalachian Pennsylvania              | 4,039,586                                    | 10.3                                   | 89.7                        | 57.1                               | 8.6                | 24.0                      |
| Non-Appalachian Pennsylvania          | 4,673,176                                    | 12.2                                   | 87.8                        | 50.4                               | 6.7                | 30.6                      |
| <b>South Carolina</b>                 | <b>3,118,029</b>                             | <b>15.5</b>                            | <b>84.5</b>                 | <b>50.8</b>                        | <b>8.7</b>         | <b>25.1</b>               |
| Appalachian South Carolina            | 785,287                                      | 16.8                                   | 83.2                        | 49.4                               | 9.1                | 24.7                      |
| Non-Appalachian South Carolina        | 2,332,742                                    | 15.0                                   | 85.0                        | 51.3                               | 8.5                | 25.2                      |
| <b>Tennessee</b>                      | <b>4,292,718</b>                             | <b>15.6</b>                            | <b>84.4</b>                 | <b>54.2</b>                        | <b>6.3</b>         | <b>23.8</b>               |
| Appalachian Tennessee                 | 1,933,170                                    | 17.3                                   | 82.7                        | 55.6                               | 6.6                | 20.5                      |
| Non-Appalachian Tennessee             | 2,359,548                                    | 14.2                                   | 85.8                        | 53.0                               | 6.2                | 26.6                      |
| <b>Virginia</b>                       | <b>5,427,938</b>                             | <b>12.5</b>                            | <b>87.5</b>                 | <b>45.3</b>                        | <b>7.0</b>         | <b>35.2</b>               |
| Appalachian Virginia                  | 527,915                                      | 20.1                                   | 79.9                        | 53.6                               | 8.3                | 18.0                      |
| Non-Appalachian Virginia              | 4,900,023                                    | 11.7                                   | 88.3                        | 44.4                               | 6.8                | 37.1                      |
| <b>West Virginia (entire state)</b>   | <b>1,296,592</b>                             | <b>16.1</b>                            | <b>83.9</b>                 | <b>59.2</b>                        | <b>6.3</b>         | <b>18.3</b>               |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Table 5.2: Educational Attainment of Persons Ages 25 to 64 in the Appalachian Region, 2009-2013**

| Education (Highest Level Attained)    | Total Population Ages 25-64, 2009-2013 | Percent of Population Ages 25-64 |                             |                                    |                    |                           |
|---------------------------------------|----------------------------------------|----------------------------------|-----------------------------|------------------------------------|--------------------|---------------------------|
|                                       |                                        | Less than High School Diploma    | High School Diploma or More |                                    |                    |                           |
|                                       |                                        |                                  | Total                       | H.S. Grad, No Postsecondary Degree | Associate's Degree | Bachelor's Degree or More |
| <b>United States</b>                  | <b>164,736,810</b>                     | <b>12.2</b>                      | <b>87.8</b>                 | <b>48.7</b>                        | <b>8.6</b>         | <b>30.5</b>               |
| <b>Appalachian Region</b>             | <b>13,293,435</b>                      | <b>12.5</b>                      | <b>87.5</b>                 | <b>55.0</b>                        | <b>9.1</b>         | <b>23.5</b>               |
| <b>Subregions</b>                     |                                        |                                  |                             |                                    |                    |                           |
| Northern Appalachia                   | 4,368,476                              | 8.1                              | 91.9                        | 56.2                               | 10.5               | 25.2                      |
| North Central Appalachia              | 1,285,024                              | 11.9                             | 88.1                        | 59.8                               | 8.2                | 20.1                      |
| Central Appalachia                    | 1,025,548                              | 19.8                             | 80.2                        | 59.5                               | 7.1                | 13.6                      |
| South Central Appalachia              | 2,468,957                              | 13.3                             | 86.7                        | 54.2                               | 8.9                | 23.6                      |
| Southern Appalachia                   | 4,145,430                              | 15.0                             | 85.0                        | 51.4                               | 8.5                | 25.1                      |
| <b>County Types</b>                   |                                        |                                  |                             |                                    |                    |                           |
| Large Metros (pop. 1 million +)       | 3,174,273                              | 9.3                              | 90.7                        | 50.0                               | 9.4                | 31.3                      |
| Small Metros (pop. <1 million)        | 5,575,780                              | 11.7                             | 88.3                        | 54.3                               | 9.1                | 24.9                      |
| Nonmetro, Adjacent to Large Metros    | 1,142,764                              | 13.8                             | 86.2                        | 59.4                               | 9.6                | 17.2                      |
| Nonmetro, Adjacent to Small Metros    | 2,079,261                              | 14.8                             | 85.2                        | 60.1                               | 8.8                | 16.2                      |
| Rural (nonmetro, not adj. to a metro) | 1,321,357                              | 18.2                             | 81.8                        | 57.6                               | 8.3                | 15.8                      |
| <b>Alabama</b>                        | <b>2,512,764</b>                       | <b>14.4</b>                      | <b>85.6</b>                 | <b>53.2</b>                        | <b>8.4</b>         | <b>24.0</b>               |
| Appalachian Alabama                   | 1,626,176                              | 14.4                             | 85.6                        | 52.5                               | 8.3                | 24.7                      |
| Non-Appalachian Alabama               | 886,588                                | 14.5                             | 85.5                        | 54.4                               | 8.5                | 22.6                      |
| <b>Georgia</b>                        | <b>5,233,103</b>                       | <b>13.3</b>                      | <b>86.7</b>                 | <b>49.7</b>                        | <b>7.6</b>         | <b>29.4</b>               |
| Appalachian Georgia                   | 1,587,005                              | 15.1                             | 84.9                        | 50.4                               | 7.9                | 26.6                      |
| Non-Appalachian Georgia               | 3,646,098                              | 12.5                             | 87.5                        | 49.4                               | 7.4                | 30.7                      |
| <b>Kentucky</b>                       | <b>2,322,704</b>                       | <b>13.4</b>                      | <b>86.6</b>                 | <b>55.2</b>                        | <b>8.1</b>         | <b>23.3</b>               |
| Appalachian Kentucky                  | 630,085                                | 19.9                             | 80.1                        | 58.5                               | 7.3                | 14.3                      |
| Non-Appalachian Kentucky              | 1,692,619                              | 11.0                             | 89.0                        | 54.0                               | 8.4                | 26.6                      |
| <b>Maryland</b>                       | <b>3,184,155</b>                       | <b>9.4</b>                       | <b>90.6</b>                 | <b>45.1</b>                        | <b>6.8</b>         | <b>38.6</b>               |
| Appalachian Maryland                  | 134,373                                | 10.6                             | 89.4                        | 60.0                               | 9.0                | 20.3                      |
| Non-Appalachian Maryland              | 3,049,782                              | 9.4                              | 90.6                        | 44.5                               | 6.7                | 39.5                      |
| <b>Mississippi</b>                    | <b>1,525,277</b>                       | <b>15.8</b>                      | <b>84.2</b>                 | <b>53.9</b>                        | <b>9.3</b>         | <b>21.0</b>               |
| Appalachian Mississippi               | 315,923                                | 18.8                             | 81.2                        | 54.4                               | 9.1                | 17.7                      |
| Non-Appalachian Mississippi           | 1,209,354                              | 15.1                             | 84.9                        | 53.7                               | 9.3                | 21.9                      |
| <b>New York</b>                       | <b>10,515,677</b>                      | <b>12.6</b>                      | <b>87.4</b>                 | <b>42.3</b>                        | <b>9.4</b>         | <b>35.7</b>               |
| Appalachian New York                  | 534,481                                | 8.8                              | 91.2                        | 51.9                               | 13.5               | 25.7                      |
| Non-Appalachian New York              | 9,981,196                              | 12.8                             | 87.2                        | 41.8                               | 9.2                | 36.2                      |
| <b>North Carolina</b>                 | <b>5,112,862</b>                       | <b>12.8</b>                      | <b>87.2</b>                 | <b>48.6</b>                        | <b>9.6</b>         | <b>28.9</b>               |
| Appalachian North Carolina            | 887,868                                | 13.7                             | 86.3                        | 51.3                               | 10.1               | 24.8                      |
| Non-Appalachian North Carolina        | 4,224,994                              | 12.6                             | 87.4                        | 48.1                               | 9.5                | 29.8                      |
| <b>Ohio</b>                           | <b>6,079,874</b>                       | <b>9.1</b>                       | <b>90.9</b>                 | <b>54.6</b>                        | <b>9.0</b>         | <b>27.2</b>               |
| Appalachian Ohio                      | 1,063,612                              | 11.6                             | 88.4                        | 61.5                               | 9.4                | 17.5                      |
| Non-Appalachian Ohio                  | 5,016,262                              | 8.6                              | 91.4                        | 53.1                               | 9.0                | 29.3                      |
| <b>Pennsylvania</b>                   | <b>6,707,961</b>                       | <b>8.5</b>                       | <b>91.5</b>                 | <b>52.2</b>                        | <b>8.8</b>         | <b>30.4</b>               |
| Appalachian Pennsylvania              | 3,037,705                              | 7.3                              | 92.7                        | 55.4                               | 10.3               | 27.0                      |
| Non-Appalachian Pennsylvania          | 3,670,256                              | 9.6                              | 90.4                        | 49.6                               | 7.6                | 33.3                      |
| <b>South Carolina</b>                 | <b>2,451,814</b>                       | <b>13.0</b>                      | <b>87.0</b>                 | <b>51.3</b>                        | <b>9.6</b>         | <b>26.0</b>               |
| Appalachian South Carolina            | 616,326                                | 14.0                             | 86.0                        | 49.7                               | 10.1               | 26.1                      |
| Non-Appalachian South Carolina        | 1,835,488                              | 12.7                             | 87.3                        | 51.9                               | 9.4                | 26.0                      |
| <b>Tennessee</b>                      | <b>3,404,782</b>                       | <b>12.6</b>                      | <b>87.4</b>                 | <b>54.7</b>                        | <b>7.1</b>         | <b>25.6</b>               |
| Appalachian Tennessee                 | 1,473,132                              | 13.7                             | 86.3                        | 56.8                               | 7.5                | 22.0                      |
| Non-Appalachian Tennessee             | 1,931,650                              | 11.8                             | 88.2                        | 53.1                               | 6.9                | 28.3                      |
| <b>Virginia</b>                       | <b>4,404,652</b>                       | <b>10.2</b>                      | <b>89.8</b>                 | <b>44.8</b>                        | <b>7.6</b>         | <b>37.3</b>               |
| Appalachian Virginia                  | 395,126                                | 14.6                             | 85.4                        | 55.8                               | 9.8                | 19.8                      |
| Non-Appalachian Virginia              | 4,009,526                              | 9.8                              | 90.2                        | 43.8                               | 7.4                | 39.1                      |
| <b>West Virginia (entire state)</b>   | <b>991,623</b>                         | <b>12.5</b>                      | <b>87.5</b>                 | <b>60.0</b>                        | <b>7.4</b>         | <b>20.1</b>               |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Table 5.3: Educational Attainment of Persons Ages 65 and Over in the Appalachian Region, 2009-2013**

| Education (Highest Level Attained)    | Total Population Ages 65 and Over, 2009-2013 | Percent of Population Ages 65 and Over |                             |                                    |                    |                           |
|---------------------------------------|----------------------------------------------|----------------------------------------|-----------------------------|------------------------------------|--------------------|---------------------------|
|                                       |                                              | Less than High School Diploma          | High School Diploma or More |                                    |                    |                           |
|                                       |                                              |                                        | Total                       | H.S. Grad, No Postsecondary Degree | Associate's Degree | Bachelor's Degree or More |
| <b>United States</b>                  | <b>41,851,042</b>                            | <b>21.0</b>                            | <b>79.0</b>                 | <b>52.1</b>                        | <b>4.6</b>         | <b>22.3</b>               |
| <b>Appalachian Region</b>             | <b>3,934,270</b>                             | <b>25.5</b>                            | <b>74.5</b>                 | <b>55.3</b>                        | <b>3.7</b>         | <b>15.5</b>               |
| <b>Subregions</b>                     |                                              |                                        |                             |                                    |                    |                           |
| Northern Appalachia                   | 1,431,854                                    | 19.8                                   | 80.2                        | 61.8                               | 3.7                | 14.7                      |
| North Central Appalachia              | 381,015                                      | 26.9                                   | 73.1                        | 57.7                               | 2.9                | 12.5                      |
| Central Appalachia                    | 296,901                                      | 43.5                                   | 56.5                        | 44.7                               | 2.3                | 9.6                       |
| South Central Appalachia              | 798,452                                      | 26.8                                   | 73.2                        | 51.2                               | 4.2                | 17.9                      |
| Southern Appalachia                   | 1,026,048                                    | 26.6                                   | 73.4                        | 51.5                               | 4.1                | 17.7                      |
| <b>County Types</b>                   |                                              |                                        |                             |                                    |                    |                           |
| Large Metros (pop. 1 million +)       | 805,536                                      | 20.3                                   | 79.7                        | 57.6                               | 3.9                | 18.2                      |
| Small Metros (pop. <1 million)        | 1,659,220                                    | 23.5                                   | 76.5                        | 55.5                               | 4.0                | 17.0                      |
| Nonmetro, Adjacent to Large Metros    | 354,905                                      | 27.1                                   | 72.9                        | 57.2                               | 3.6                | 12.2                      |
| Nonmetro, Adjacent to Small Metros    | 697,646                                      | 29.3                                   | 70.7                        | 54.9                               | 3.3                | 12.4                      |
| Rural (nonmetro, not adj. to a metro) | 416,963                                      | 35.5                                   | 64.5                        | 49.0                               | 3.3                | 12.2                      |
| <b>Alabama</b>                        | <b>680,574</b>                               | <b>25.9</b>                            | <b>74.1</b>                 | <b>52.7</b>                        | <b>3.7</b>         | <b>17.6</b>               |
| Appalachian Alabama                   | 436,778                                      | 26.0                                   | 74.0                        | 53.0                               | 3.7                | 17.4                      |
| Non-Appalachian Alabama               | 243,796                                      | 25.9                                   | 74.1                        | 52.3                               | 3.8                | 18.0                      |
| <b>Georgia</b>                        | <b>1,090,017</b>                             | <b>24.7</b>                            | <b>75.3</b>                 | <b>50.5</b>                        | <b>4.0</b>         | <b>20.9</b>               |
| Appalachian Georgia                   | 329,296                                      | 25.5                                   | 74.5                        | 52.1                               | 4.1                | 18.3                      |
| Non-Appalachian Georgia               | 760,721                                      | 24.3                                   | 75.7                        | 49.8                               | 3.9                | 22.0                      |
| <b>Kentucky</b>                       | <b>597,875</b>                               | <b>31.0</b>                            | <b>69.0</b>                 | <b>51.2</b>                        | <b>3.0</b>         | <b>14.8</b>               |
| Appalachian Kentucky                  | 175,826                                      | 44.0                                   | 56.0                        | 44.0                               | 2.2                | 9.7                       |
| Non-Appalachian Kentucky              | 422,049                                      | 25.5                                   | 74.5                        | 54.2                               | 3.4                | 16.9                      |
| <b>Maryland</b>                       | <b>738,672</b>                               | <b>19.2</b>                            | <b>80.8</b>                 | <b>47.8</b>                        | <b>4.1</b>         | <b>28.9</b>               |
| Appalachian Maryland                  | 40,736                                       | 23.5                                   | 76.5                        | 60.1                               | 3.6                | 12.9                      |
| Non-Appalachian Maryland              | 697,936                                      | 19.0                                   | 81.0                        | 47.1                               | 4.1                | 29.8                      |
| <b>Mississippi</b>                    | <b>392,833</b>                               | <b>28.9</b>                            | <b>71.1</b>                 | <b>50.8</b>                        | <b>3.7</b>         | <b>16.6</b>               |
| Appalachian Mississippi               | 91,013                                       | 33.4                                   | 66.6                        | 48.8                               | 3.6                | 14.2                      |
| Non-Appalachian Mississippi           | 301,820                                      | 27.6                                   | 72.4                        | 51.3                               | 3.8                | 17.3                      |
| <b>New York</b>                       | <b>2,695,383</b>                             | <b>23.6</b>                            | <b>76.4</b>                 | <b>48.2</b>                        | <b>4.6</b>         | <b>23.6</b>               |
| Appalachian New York                  | 170,287                                      | 18.2                                   | 81.8                        | 56.4                               | 6.4                | 19.0                      |
| Non-Appalachian New York              | 2,525,096                                    | 23.9                                   | 76.1                        | 47.7                               | 4.5                | 23.9                      |
| <b>North Carolina</b>                 | <b>1,295,160</b>                             | <b>24.0</b>                            | <b>76.0</b>                 | <b>50.4</b>                        | <b>5.0</b>         | <b>20.6</b>               |
| Appalachian North Carolina            | 295,854                                      | 24.0                                   | 76.0                        | 50.2                               | 4.8                | 21.0                      |
| Non-Appalachian North Carolina        | 999,306                                      | 23.9                                   | 76.1                        | 50.5                               | 5.1                | 20.5                      |
| <b>Ohio</b>                           | <b>1,666,646</b>                             | <b>20.1</b>                            | <b>79.9</b>                 | <b>58.8</b>                        | <b>3.5</b>         | <b>17.6</b>               |
| Appalachian Ohio                      | 325,842                                      | 23.9                                   | 76.1                        | 62.2                               | 2.8                | 11.2                      |
| Non-Appalachian Ohio                  | 1,340,804                                    | 19.2                                   | 80.8                        | 58.0                               | 3.7                | 19.1                      |
| <b>Pennsylvania</b>                   | <b>2,004,801</b>                             | <b>20.7</b>                            | <b>79.3</b>                 | <b>57.9</b>                        | <b>3.5</b>         | <b>17.9</b>               |
| Appalachian Pennsylvania              | 1,001,881                                    | 19.6                                   | 80.4                        | 62.1                               | 3.5                | 14.8                      |
| Non-Appalachian Pennsylvania          | 1,002,920                                    | 21.8                                   | 78.2                        | 53.7                               | 3.6                | 20.9                      |
| <b>South Carolina</b>                 | <b>666,215</b>                               | <b>24.4</b>                            | <b>75.6</b>                 | <b>48.9</b>                        | <b>5.2</b>         | <b>21.5</b>               |
| Appalachian South Carolina            | 168,961                                      | 26.7                                   | 73.3                        | 48.3                               | 5.5                | 19.5                      |
| Non-Appalachian South Carolina        | 497,254                                      | 23.6                                   | 76.4                        | 49.1                               | 5.2                | 22.1                      |
| <b>Tennessee</b>                      | <b>887,936</b>                               | <b>27.1</b>                            | <b>72.9</b>                 | <b>52.4</b>                        | <b>3.3</b>         | <b>17.2</b>               |
| Appalachian Tennessee                 | 460,038                                      | 28.8                                   | 71.2                        | 51.8                               | 3.5                | 15.9                      |
| Non-Appalachian Tennessee             | 427,898                                      | 25.4                                   | 74.6                        | 53.0                               | 3.0                | 18.6                      |
| <b>Virginia</b>                       | <b>1,023,286</b>                             | <b>22.6</b>                            | <b>77.4</b>                 | <b>47.2</b>                        | <b>4.2</b>         | <b>26.0</b>               |
| Appalachian Virginia                  | 132,789                                      | 36.4                                   | 63.6                        | 47.1                               | 3.9                | 12.6                      |
| Non-Appalachian Virginia              | 890,497                                      | 20.6                                   | 79.4                        | 47.2                               | 4.2                | 28.0                      |
| <b>West Virginia (entire state)</b>   | <b>304,969</b>                               | <b>27.9</b>                            | <b>72.1</b>                 | <b>56.9</b>                        | <b>2.8</b>         | <b>12.4</b>               |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.



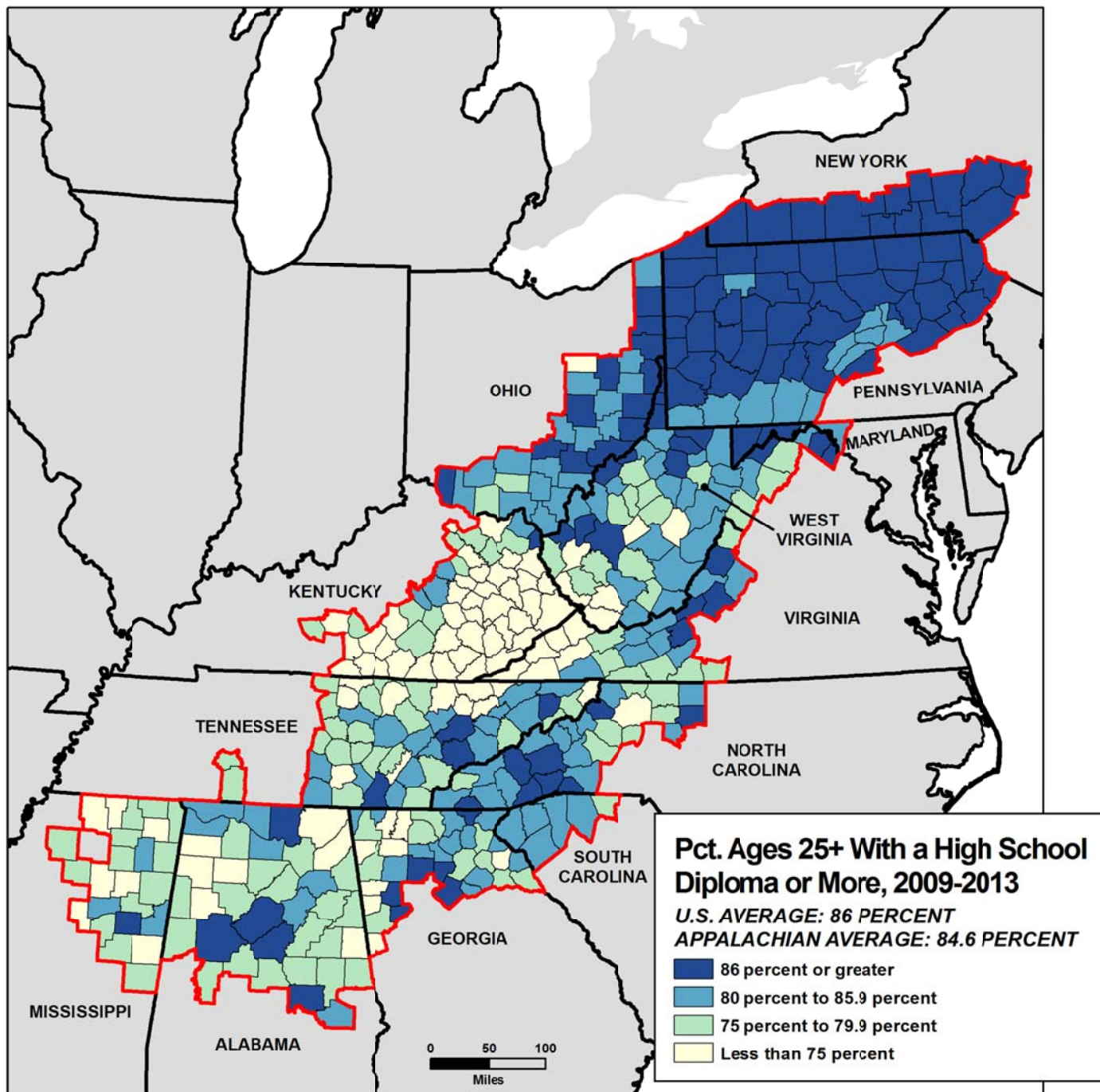
**Table 5.4: Bachelor's Degree Field (First Major) for Persons Ages 25 and Over in the Appalachian Region With a Bachelor's Degree or More, 2009-2013**

| Bachelor's Degree Field (First Major) | Total Population Ages 25 and Over With a Bachelor's Degree or More, 2009-2013 | Percent of Population Ages 25 and Over With a Bachelor's Degree or More |                                         |             |             |                             |
|---------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------|-------------|-------------|-----------------------------|
|                                       |                                                                               | Science and Engineering                                                 | Science- and Engineering-Related Fields | Business    | Education   | Arts, Humanities, and Other |
| <b>United States</b>                  | <b>59,583,138</b>                                                             | <b>34.7</b>                                                             | <b>9.0</b>                              | <b>20.4</b> | <b>13.6</b> | <b>22.4</b>                 |
| <b>Appalachian Region</b>             | <b>3,735,689</b>                                                              | <b>30.7</b>                                                             | <b>10.4</b>                             | <b>20.1</b> | <b>18.8</b> | <b>20.0</b>                 |
| <b>Subregions</b>                     |                                                                               |                                                                         |                                         |             |             |                             |
| Northern Appalachia                   | 1,311,915                                                                     | 31.6                                                                    | 11.0                                    | 17.9        | 19.2        | 20.2                        |
| North Central Appalachia              | 306,397                                                                       | 28.5                                                                    | 12.0                                    | 18.4        | 21.7        | 19.3                        |
| Central Appalachia                    | 167,820                                                                       | 26.5                                                                    | 11.3                                    | 16.0        | 27.6        | 18.6                        |
| South Central Appalachia              | 726,569                                                                       | 31.7                                                                    | 10.2                                    | 19.0        | 17.1        | 22.1                        |
| Southern Appalachia                   | 1,222,988                                                                     | 30.2                                                                    | 9.3                                     | 24.2        | 17.3        | 19.0                        |
| <b>County Types</b>                   |                                                                               |                                                                         |                                         |             |             |                             |
| Large Metros (pop. 1 million +)       | 1,139,394                                                                     | 31.7                                                                    | 9.9                                     | 23.6        | 15.0        | 19.8                        |
| Small Metros (pop. <1 million)        | 1,672,265                                                                     | 32.1                                                                    | 10.3                                    | 19.5        | 17.7        | 20.5                        |
| Nonmetro, Adjacent to Large Metros    | 240,037                                                                       | 26.5                                                                    | 11.2                                    | 17.6        | 25.5        | 19.2                        |
| Nonmetro, Adjacent to Small Metros    | 423,542                                                                       | 27.7                                                                    | 11.3                                    | 17.0        | 24.4        | 19.7                        |
| Rural (nonmetro, not adj. to a metro) | 260,451                                                                       | 25.8                                                                    | 10.9                                    | 17.1        | 26.8        | 19.4                        |
| <b>Alabama</b>                        | <b>722,692</b>                                                                | <b>29.4</b>                                                             | <b>9.9</b>                              | <b>23.3</b> | <b>18.6</b> | <b>18.8</b>                 |
| Appalachian Alabama                   | 478,174                                                                       | 30.2                                                                    | 9.8                                     | 23.7        | 17.7        | 18.6                        |
| Non-Appalachian Alabama               | 244,518                                                                       | 27.9                                                                    | 10.2                                    | 22.3        | 20.4        | 19.2                        |
| <b>Georgia</b>                        | <b>1,767,834</b>                                                              | <b>31.7</b>                                                             | <b>8.7</b>                              | <b>24.7</b> | <b>14.1</b> | <b>20.8</b>                 |
| Appalachian Georgia                   | 482,222                                                                       | 30.3                                                                    | 9.1                                     | 25.8        | 16.0        | 18.8                        |
| Non-Appalachian Georgia               | 1,285,612                                                                     | 32.3                                                                    | 8.5                                     | 24.2        | 13.4        | 21.6                        |
| <b>Kentucky</b>                       | <b>628,673</b>                                                                | <b>29.6</b>                                                             | <b>10.8</b>                             | <b>19.8</b> | <b>17.9</b> | <b>21.9</b>                 |
| Appalachian Kentucky                  | 107,083                                                                       | 24.9                                                                    | 11.8                                    | 15.2        | 28.0        | 20.2                        |
| Non-Appalachian Kentucky              | 521,590                                                                       | 30.6                                                                    | 10.6                                    | 20.7        | 15.8        | 22.2                        |
| <b>Maryland</b>                       | <b>1,443,918</b>                                                              | <b>41.2</b>                                                             | <b>8.2</b>                              | <b>18.0</b> | <b>10.5</b> | <b>22.1</b>                 |
| Appalachian Maryland                  | 32,536                                                                        | 33.6                                                                    | 8.8                                     | 17.7        | 18.8        | 21.1                        |
| Non-Appalachian Maryland              | 1,411,382                                                                     | 41.4                                                                    | 8.2                                     | 18.0        | 10.3        | 22.1                        |
| <b>Mississippi</b>                    | <b>385,985</b>                                                                | <b>25.3</b>                                                             | <b>11.4</b>                             | <b>22.1</b> | <b>22.2</b> | <b>18.9</b>                 |
| Appalachian Mississippi               | 68,705                                                                        | 22.8                                                                    | 10.4                                    | 21.8        | 26.9        | 18.1                        |
| Non-Appalachian Mississippi           | 317,280                                                                       | 25.8                                                                    | 11.7                                    | 22.2        | 21.2        | 19.1                        |
| <b>New York</b>                       | <b>4,386,500</b>                                                              | <b>34.3</b>                                                             | <b>8.5</b>                              | <b>18.7</b> | <b>12.0</b> | <b>26.4</b>                 |
| Appalachian New York                  | 169,915                                                                       | 36.9                                                                    | 9.2                                     | 12.2        | 19.3        | 22.4                        |
| Non-Appalachian New York              | 4,216,585                                                                     | 34.2                                                                    | 8.5                                     | 19.0        | 11.7        | 26.6                        |
| <b>North Carolina</b>                 | <b>1,747,409</b>                                                              | <b>34.1</b>                                                             | <b>8.8</b>                              | <b>20.3</b> | <b>14.1</b> | <b>22.7</b>                 |
| Appalachian North Carolina            | 282,771                                                                       | 31.1                                                                    | 10.4                                    | 17.3        | 16.4        | 24.8                        |
| Non-Appalachian North Carolina        | 1,464,638                                                                     | 34.7                                                                    | 8.5                                     | 20.9        | 13.6        | 22.3                        |
| <b>Ohio</b>                           | <b>1,948,460</b>                                                              | <b>30.6</b>                                                             | <b>10.2</b>                             | <b>21.5</b> | <b>17.4</b> | <b>20.2</b>                 |
| Appalachian Ohio                      | 222,625                                                                       | 26.0                                                                    | 12.5                                    | 18.3        | 24.3        | 18.9                        |
| Non-Appalachian Ohio                  | 1,725,835                                                                     | 31.2                                                                    | 9.9                                     | 21.9        | 16.5        | 20.4                        |
| <b>Pennsylvania</b>                   | <b>2,399,664</b>                                                              | <b>33.6</b>                                                             | <b>9.8</b>                              | <b>19.5</b> | <b>16.0</b> | <b>21.1</b>                 |
| Appalachian Pennsylvania              | 968,596                                                                       | 31.6                                                                    | 11.1                                    | 18.7        | 18.5        | 20.1                        |
| Non-Appalachian Pennsylvania          | 1,431,068                                                                     | 34.9                                                                    | 9.0                                     | 20.0        | 14.3        | 21.8                        |
| <b>South Carolina</b>                 | <b>781,282</b>                                                                | <b>31.8</b>                                                             | <b>8.5</b>                              | <b>22.4</b> | <b>16.2</b> | <b>21.1</b>                 |
| Appalachian South Carolina            | 193,887                                                                       | 32.3                                                                    | 8.4                                     | 22.3        | 16.2        | 20.8                        |
| Non-Appalachian South Carolina        | 587,395                                                                       | 31.7                                                                    | 8.5                                     | 22.4        | 16.2        | 21.3                        |
| <b>Tennessee</b>                      | <b>1,023,548</b>                                                              | <b>29.7</b>                                                             | <b>9.7</b>                              | <b>22.7</b> | <b>16.3</b> | <b>21.7</b>                 |
| Appalachian Tennessee                 | 396,834                                                                       | 31.1                                                                    | 10.2                                    | 20.8        | 18.3        | 19.7                        |
| Non-Appalachian Tennessee             | 626,714                                                                       | 28.8                                                                    | 9.3                                     | 23.9        | 15.0        | 23.0                        |
| <b>Virginia</b>                       | <b>1,911,033</b>                                                              | <b>40.2</b>                                                             | <b>7.4</b>                              | <b>18.9</b> | <b>10.4</b> | <b>23.1</b>                 |
| Appalachian Virginia                  | 94,844                                                                        | 35.8                                                                    | 9.2                                     | 16.1        | 17.8        | 21.1                        |
| Non-Appalachian Virginia              | 1,816,189                                                                     | 40.4                                                                    | 7.3                                     | 19.0        | 10.1        | 23.2                        |
| <b>West Virginia (entire state)</b>   | <b>237,497</b>                                                                | <b>28.3</b>                                                             | <b>12.0</b>                             | <b>19.1</b> | <b>21.8</b> | <b>18.8</b>                 |

Note: Examples of "Science- and Engineering-Related Fields" include nursing, architecture, and mathematics teacher education.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

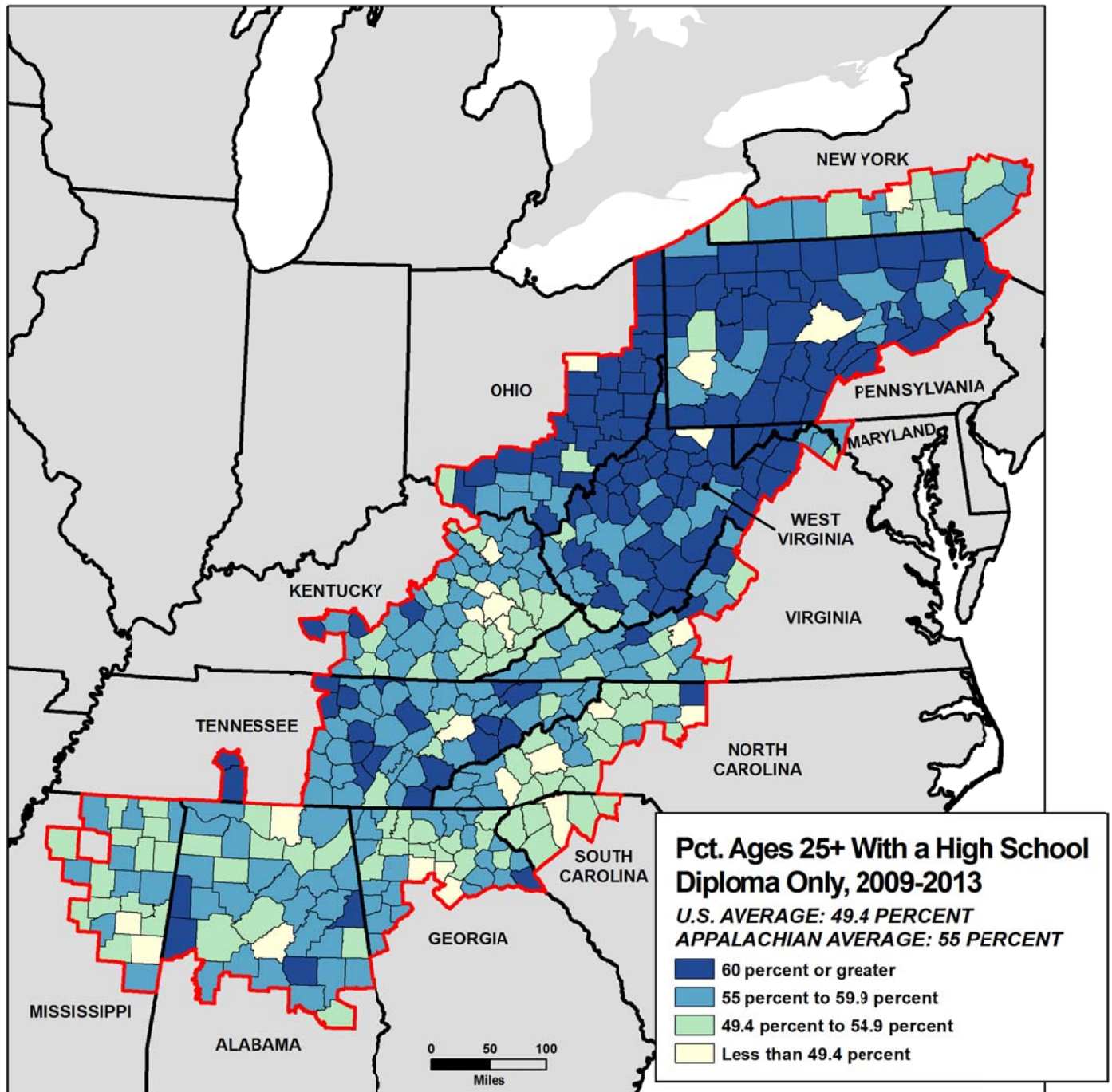
**Figure 5.1: Percent of Persons Ages 25 and Over in the Appalachian Region With a High School Diploma or More, 2009-2013**



Map Title: Percent of Persons Ages 25 and Over in the Appalachian Region With a High School Diploma or More, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although the share of Appalachian adults with at least a high school diploma was slightly below the national average over the 2009-2013 period, it matched or exceeded the national share in 113 counties in the Region—100 of which were either in Northern Appalachia or in metropolitan areas. And the regional share was nearly eight percentage points higher than it was in the 2000 Census, suggesting a continued trend toward increased high school completion. Yet in 86 counties, less than three-fourths of adults had completed high school; all but three of those counties were in Central, South Central, and Southern Appalachia.

**Figure 5.2: Percent of Persons Ages 25 and Over in the Appalachian Region With a High School Diploma but With No Postsecondary Degree, 2009-2013**



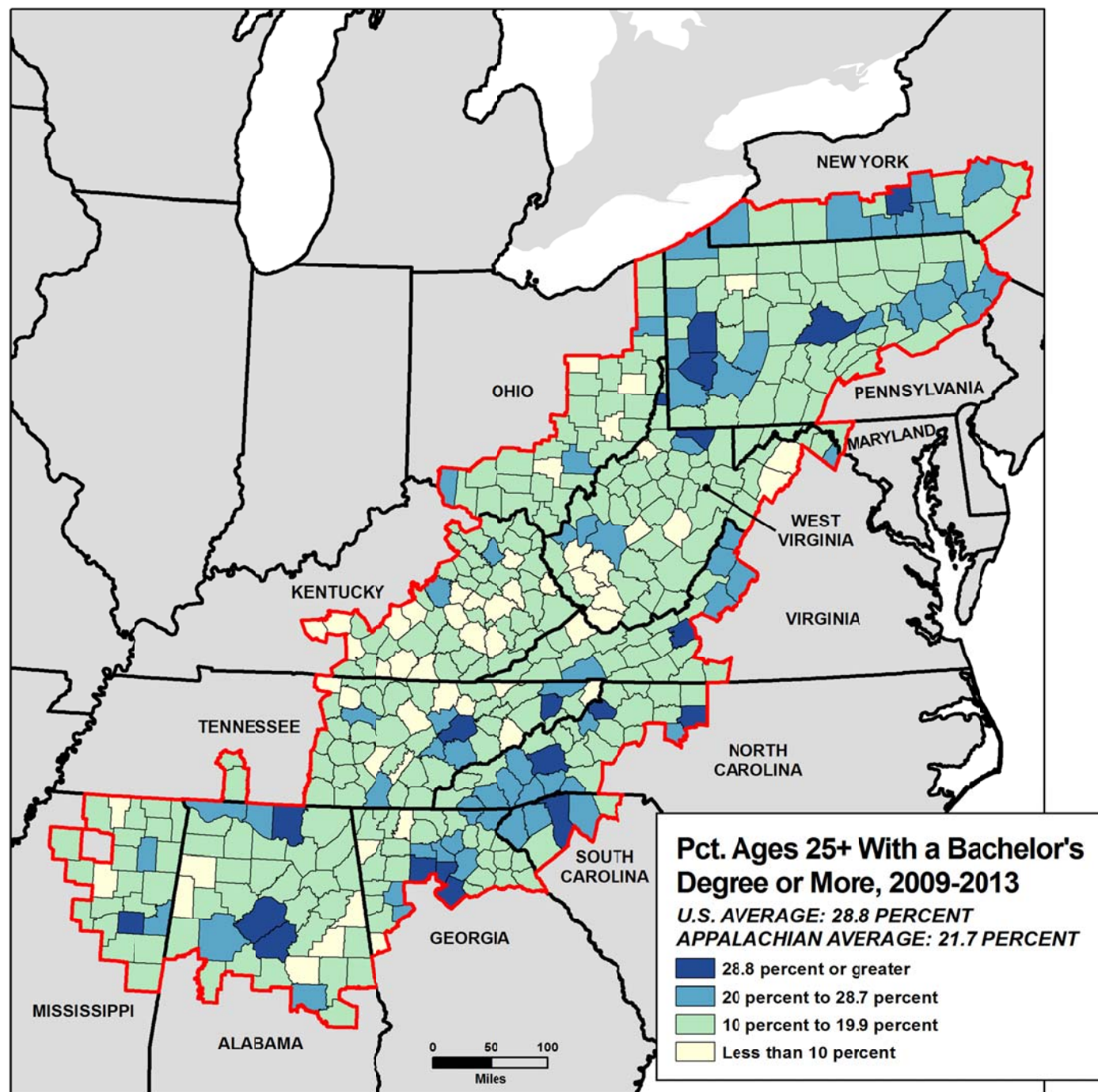
Map Title: Percent of Persons Ages 25 and Over in the Appalachian Region With a High School Diploma but With No Postsecondary Degree, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

During the 2009-2013 period, 55 percent of adults in the Appalachian Region had a high school diploma, but no postsecondary degree (including an associate's degree). And the share was at least 60 percent in 131 of the Region's 420 counties. Many of these adults had attended college but did not graduate, while others acquired vocational training. Conversely, many of the adults outside of this group did earn an associate's or bachelor's degree, while others never even finished high school.



**Figure 5.3: Percent of Persons Ages 25 and Over in the Appalachian Region With a Bachelor's Degree or More, 2009-2013**

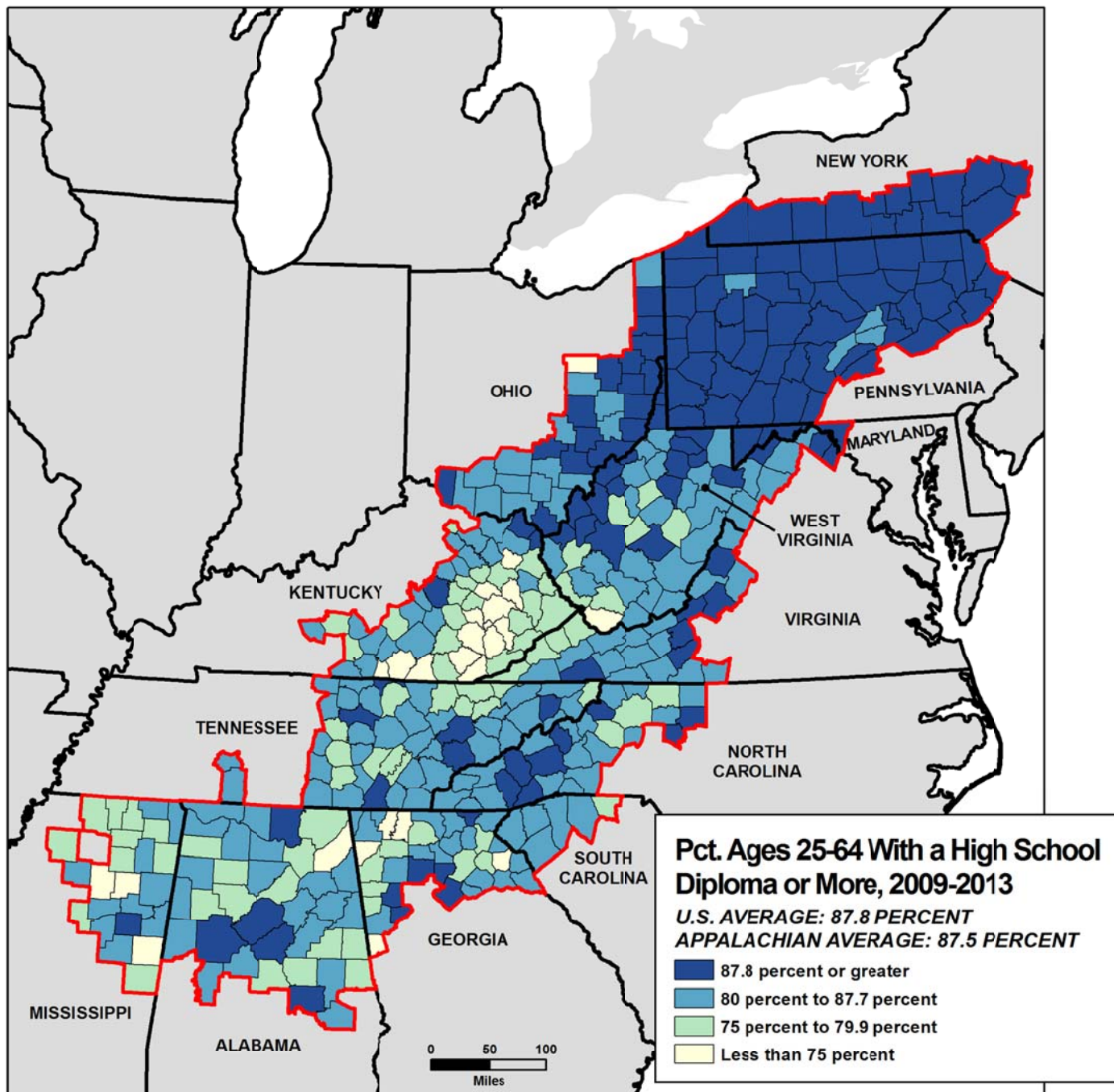


Map Title: Percent of Persons Ages 25 and Over in the Appalachian Region With a Bachelor's Degree or More, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The share of adults with a bachelor's degree or more was seven percentage points lower in Appalachia during the 2009-2013 period than in the nation as a whole. Indeed, the rate was lower than the national average in 400 of the Region's 420 counties. In fact, fewer than one in five residents ages 25 and over were graduates of a four-year college or university in 333 Appalachian counties. And in 53 counties—nearly all of which were either outside metropolitan areas or in Central Appalachia—the share was less than one in 10. The 20 counties where the percentage of college graduates matched or surpassed the national average were either in metro areas or home to a college or university; many also had high residential mobility rates. On a positive note, the share of adults (both in Appalachia and nationwide) with a four-year degree was four percentage points higher in 2009-2013 than it was in 2000, suggesting a continued trend toward greater educational attainment among cohorts entering this age group.



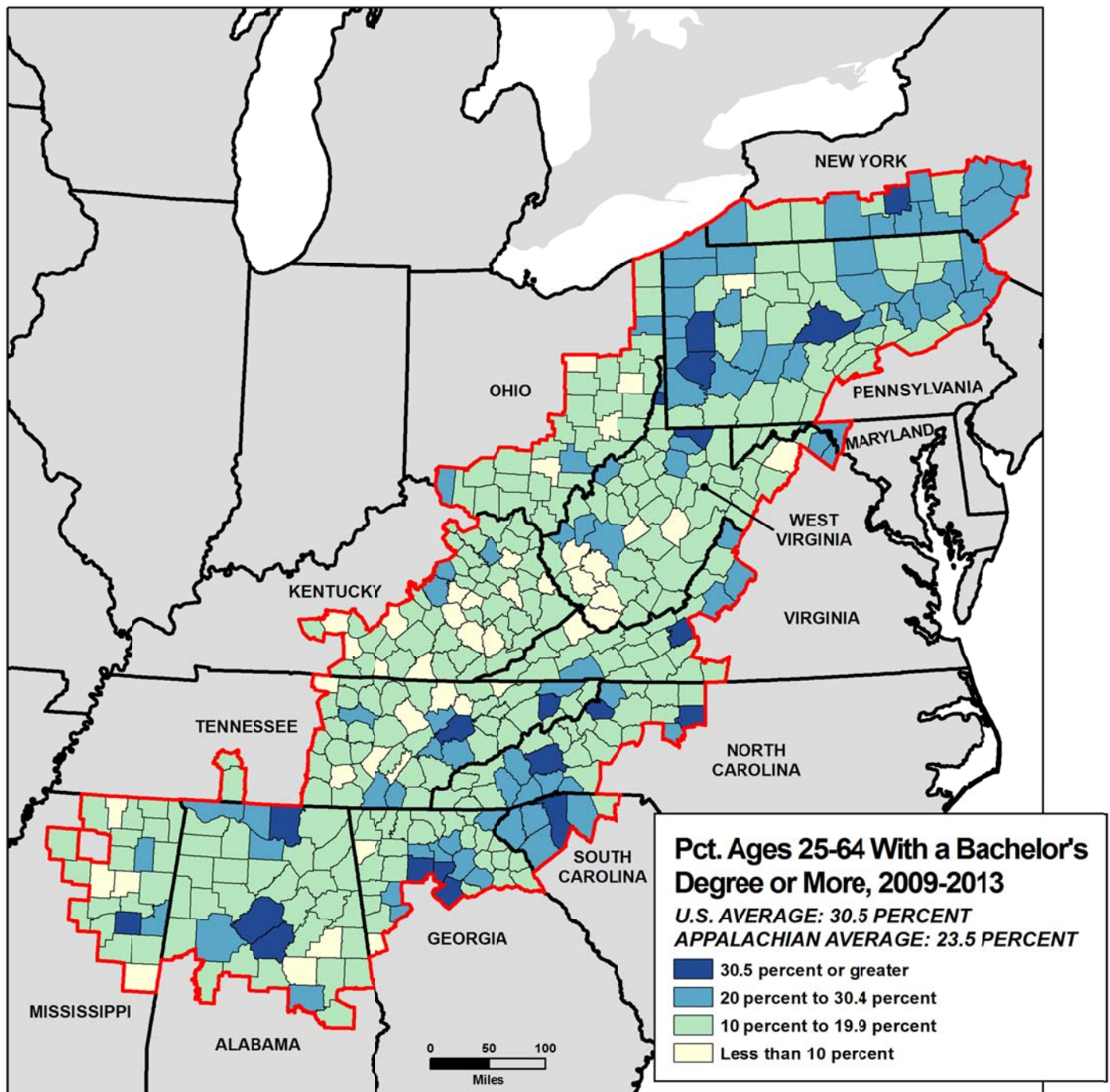
**Figure 5.4: Percent of Persons Ages 25 to 64 in the Appalachian Region With a High School Diploma or More, 2009-2013**



Map Title: Percent of Persons Ages 25 to 64 in the Appalachian Region With a High School Diploma or More, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The percentage of working-age adults (ages 25 to 64) in the Appalachian Region with at least a high school diploma was almost at the national average of nearly 88 percent in 2009-2013, and the share did match or exceed the national rate in 138 counties. These counties were almost equally divided between metropolitan and non-metropolitan counties, and most were in Northern or North Central Appalachia. At the other end of the spectrum, less than three-fourths of working-age adults had finished high school in 24 Appalachian counties. Almost all of these counties were outside metropolitan areas, and more than half were in Central Appalachia.

**Figure 5.5: Percent of Persons Ages 25 to 64 in the Appalachian Region With a Bachelor's Degree or More, 2009-2013**

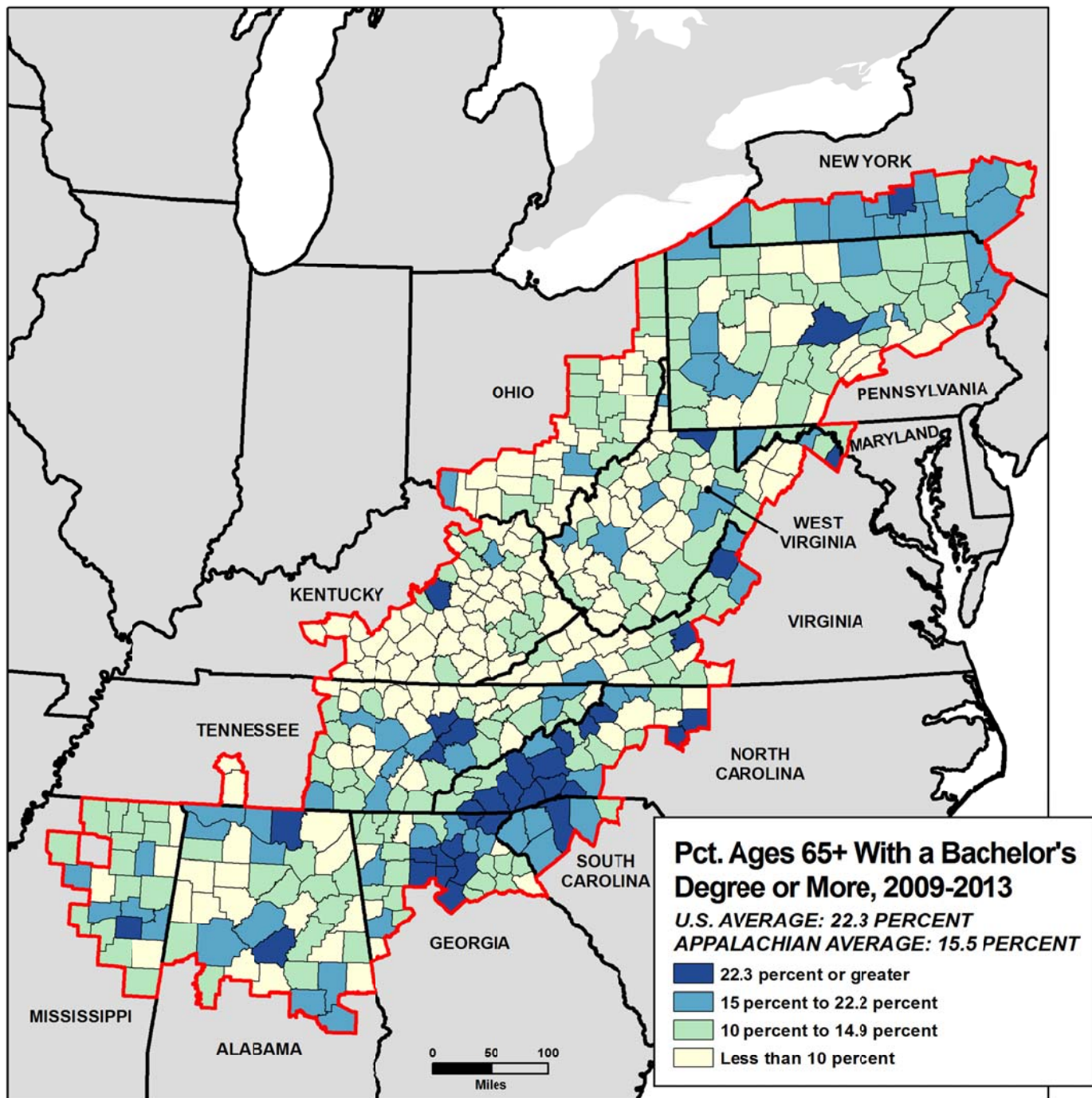


Map Title: Percent of Persons Ages 25 to 64 in the Appalachian Region With a Bachelor's Degree or More, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The share of Appalachia's working age population with a bachelor's degree or more in 2009-2013 was seven percentage points lower than the U.S. average of nearly 31 percent. This is a striking indicator of the lower educational level of the Appalachian workforce. Indeed, just 14 percent of working-age adults in Central Appalachia had a bachelor's degree, as did only 16 percent of residents of rural Appalachian counties that were not adjacent to metro areas. There were only 20 Appalachian counties—all either in metropolitan areas or home to a four-year college or university—where the share of working-age adults ages 25 to 64 with at least a bachelor's degree matched or exceeded the national average. In contrast, less than one in 10 adults had a four-year degree in 43 counties, 33 of which were outside metropolitan areas.



**Figure 5.6: Percent of Persons Ages 65 and Over in the Appalachian Region With a Bachelor's Degree or More, 2009-2013**

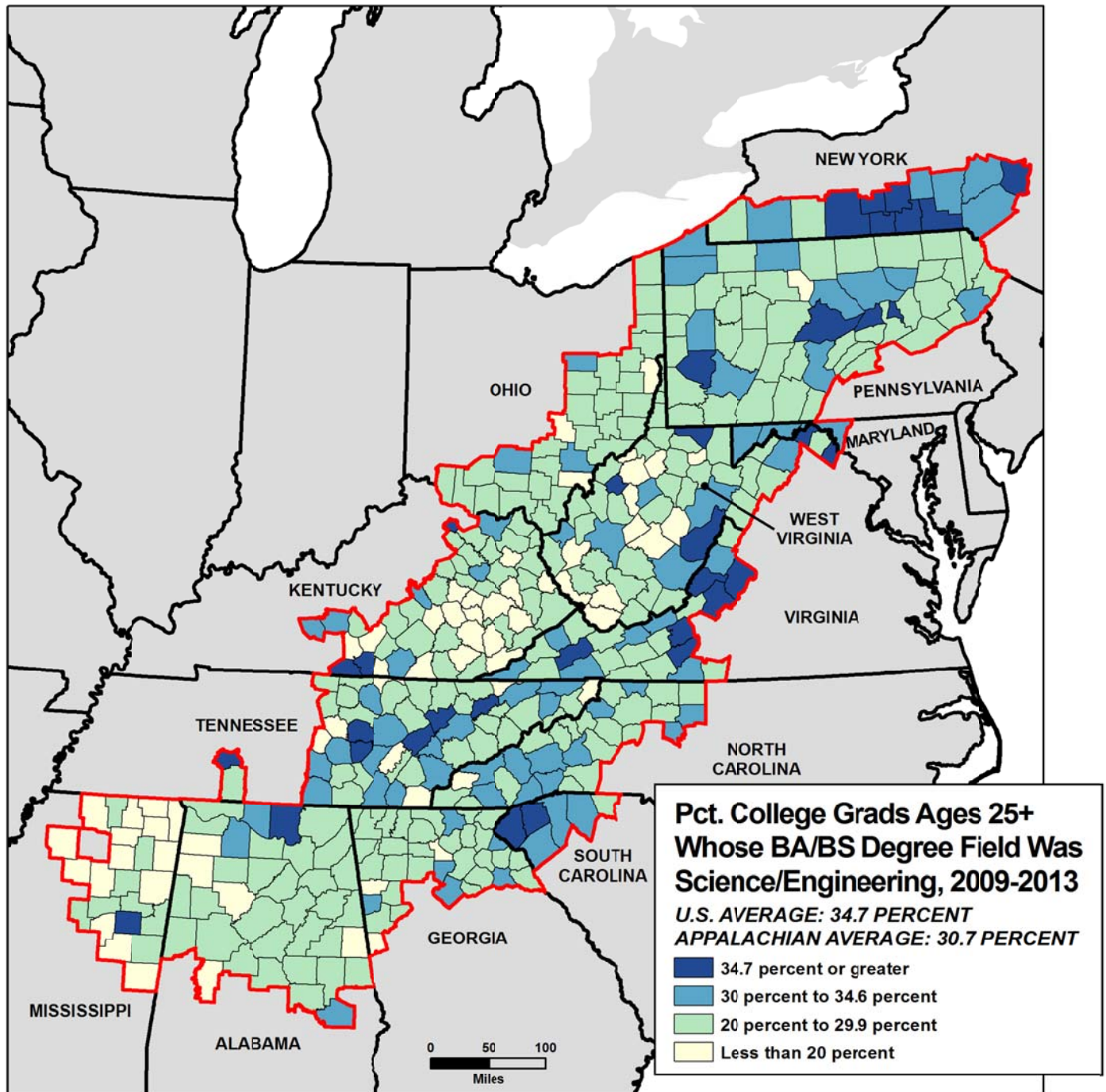


Map Title: Percent of Persons Ages 65 and Over in the Appalachian Region With a Bachelor's Degree or More, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period, more than one in five older Americans (ages 65 and over) had attained at least a bachelor's degree, while less than one in 10 older adults had done so in 164 of Appalachia's 420 counties. Three-fourths of these counties were outside metropolitan areas, and two-fifths were in Central Appalachia. (Just under 10 percent of Central Appalachia's older adults were college graduates.) Yet in 36 Appalachian counties, the share of older adults with a four-year degree was at or above the national average. These were either counties in metropolitan areas, counties that had a college or university, or counties with significant retirement or seasonal activity (the latter suggested by the fact that much, if not most, of their vacant housing is for seasonal or occasional use).



**Figure 5.7: Among Persons Ages 25 and Over in the Appalachian Region With a Bachelor's Degree or More, Percent Whose Bachelor's Degree Field (First Major) Was Science and Engineering, 2009-2013**



Map Title: Among Persons Ages 25 and Over in the Appalachian Region With a Bachelor's Degree or More, Percent Whose Bachelor's Degree Field (First Major) Was Science and Engineering, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Among the 3.7 million adults in the Appalachian Region with a bachelor's degree or more, 31 percent held a degree in the science and engineering field—slightly lower than the national share of 35 percent. But there was much variation within the Region. In 35 Appalachian counties, for example, the share of BA/BS holders with science and engineering degrees matched or exceeded the national average. Yet in another 65 counties in the Region, less than one-fifth of adult college graduates had a science and engineering degree. Science and engineering jobs are becoming increasingly important in keeping the United States competitive in the global economy. The field of science and engineering includes the following detailed fields and majors: computers, mathematics, and statistics; biological, agricultural, and environmental sciences; physical and related science; psychology; social sciences; and engineering.

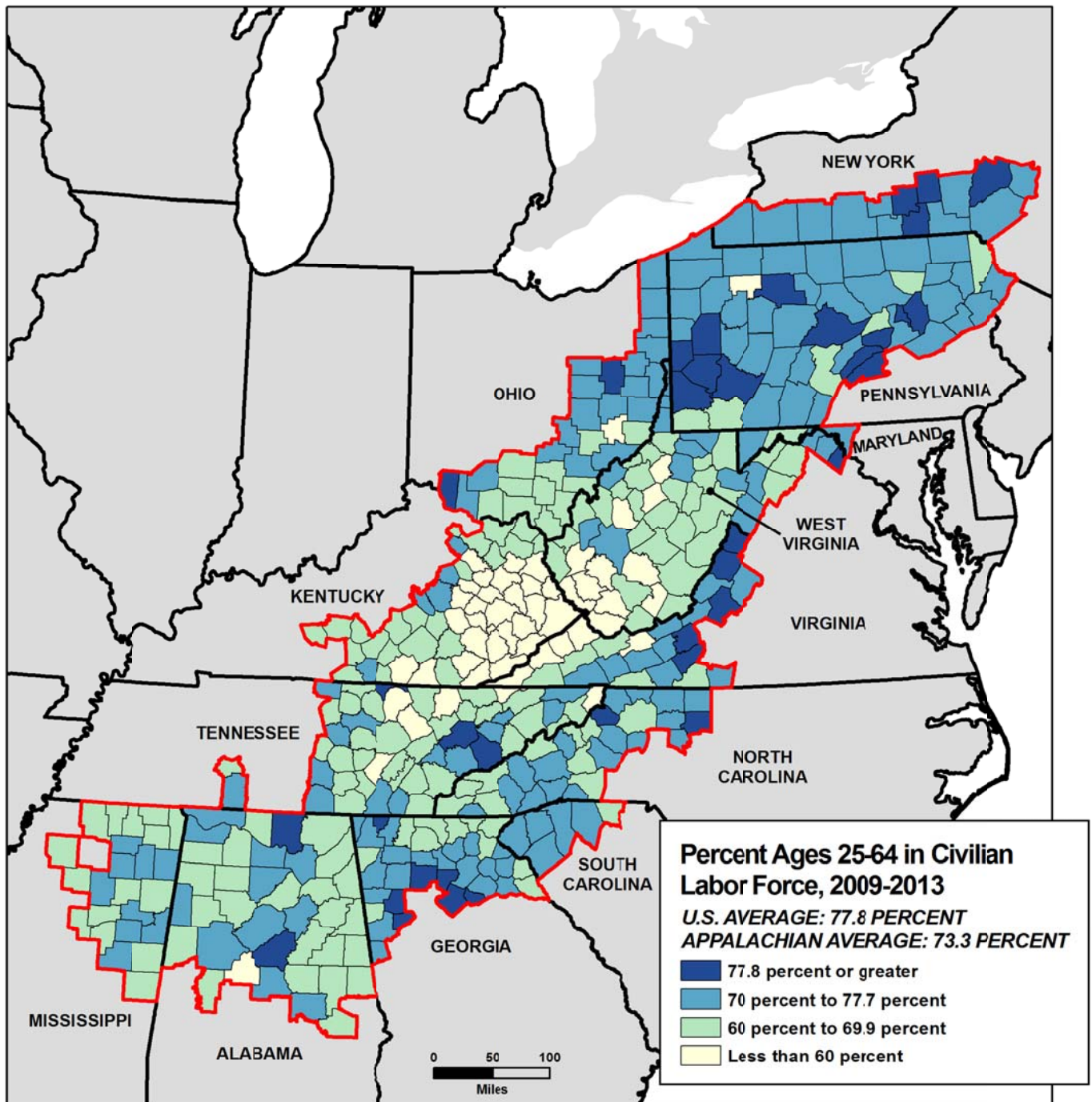
## CHAPTER 6: LABOR FORCE, EMPLOYMENT, AND UNEMPLOYMENT

**Table 6.1: Labor Force, Employment, and Unemployment Status of Persons Ages 25 to 64 in the Appalachian Region, 2009-2013**

| Labor Force, Employment, and Unemployment | Total Number of Civilian Persons Ages 25-64 | Total Persons Ages 25-64 in Civilian Labor Force |             | Employment Rate (Pct. of Civ. Labor Force) | Unemployment Rate (Pct. of Civ. Labor Force) |
|-------------------------------------------|---------------------------------------------|--------------------------------------------------|-------------|--------------------------------------------|----------------------------------------------|
|                                           |                                             | Number                                           | Percent     |                                            |                                              |
| <b>United States</b>                      | <b>164,062,598</b>                          | <b>127,671,680</b>                               | <b>77.8</b> | <b>91.9</b>                                | <b>8.1</b>                                   |
| <b>Appalachian Region</b>                 | <b>13,278,773</b>                           | <b>9,727,677</b>                                 | <b>73.3</b> | <b>91.9</b>                                | <b>8.1</b>                                   |
| <b>Subregions</b>                         |                                             |                                                  |             |                                            |                                              |
| Northern Appalachia                       | 4,365,217                                   | 3,312,951                                        | 75.9        | 92.9                                       | 7.1                                          |
| North Central Appalachia                  | 1,283,839                                   | 895,712                                          | 69.8        | 92.3                                       | 7.7                                          |
| Central Appalachia                        | 1,025,025                                   | 614,561                                          | 60.0        | 90.9                                       | 9.1                                          |
| South Central Appalachia                  | 2,466,121                                   | 1,816,193                                        | 73.6        | 91.6                                       | 8.4                                          |
| Southern Appalachia                       | 4,138,571                                   | 3,088,260                                        | 74.6        | 91.1                                       | 8.9                                          |
| <b>County Types</b>                       |                                             |                                                  |             |                                            |                                              |
| Large Metros (pop. 1 million +)           | 3,170,990                                   | 2,472,001                                        | 78.0        | 92.2                                       | 7.8                                          |
| Small Metros (pop. <1 million)            | 5,568,329                                   | 4,137,693                                        | 74.3        | 92.1                                       | 7.9                                          |
| Nonmetro, Adjacent to Large Metros        | 1,141,926                                   | 815,671                                          | 71.4        | 91.1                                       | 8.9                                          |
| Nonmetro, Adjacent to Small Metros        | 2,077,704                                   | 1,444,629                                        | 69.5        | 91.5                                       | 8.5                                          |
| Rural (nonmetro, not adj. to a metro)     | 1,319,824                                   | 857,683                                          | 65.0        | 91.3                                       | 8.7                                          |
| <b>Alabama</b>                            | <b>2,500,707</b>                            | <b>1,808,095</b>                                 | <b>72.3</b> | <b>91.3</b>                                | <b>8.7</b>                                   |
| Appalachian Alabama                       | 1,622,635                                   | 1,177,663                                        | 72.6        | 91.5                                       | 8.5                                          |
| Non-Appalachian Alabama                   | 878,072                                     | 630,432                                          | 71.8        | 90.8                                       | 9.2                                          |
| <b>Georgia</b>                            | <b>5,200,158</b>                            | <b>3,960,680</b>                                 | <b>76.2</b> | <b>90.6</b>                                | <b>9.4</b>                                   |
| Appalachian Georgia                       | 1,585,169                                   | 1,227,245                                        | 77.4        | 91.0                                       | 9.0                                          |
| Non-Appalachian Georgia                   | 3,614,989                                   | 2,733,435                                        | 75.6        | 90.4                                       | 9.6                                          |
| <b>Kentucky</b>                           | <b>2,312,726</b>                            | <b>1,658,436</b>                                 | <b>71.7</b> | <b>91.8</b>                                | <b>8.2</b>                                   |
| Appalachian Kentucky                      | 629,781                                     | 380,372                                          | 60.4        | 90.6                                       | 9.4                                          |
| Non-Appalachian Kentucky                  | 1,682,945                                   | 1,278,064                                        | 75.9        | 92.2                                       | 7.8                                          |
| <b>Maryland</b>                           | <b>3,163,996</b>                            | <b>2,609,505</b>                                 | <b>82.5</b> | <b>93.4</b>                                | <b>6.6</b>                                   |
| Appalachian Maryland                      | 134,050                                     | 98,006                                           | 73.1        | 92.4                                       | 7.6                                          |
| Non-Appalachian Maryland                  | 3,029,946                                   | 2,511,499                                        | 82.9        | 93.4                                       | 6.6                                          |
| <b>Mississippi</b>                        | <b>1,518,073</b>                            | <b>1,088,419</b>                                 | <b>71.7</b> | <b>91.4</b>                                | <b>8.6</b>                                   |
| Appalachian Mississippi                   | 314,935                                     | 222,233                                          | 70.6        | 90.6                                       | 9.4                                          |
| Non-Appalachian Mississippi               | 1,203,138                                   | 866,186                                          | 72.0        | 91.5                                       | 8.5                                          |
| <b>New York</b>                           | <b>10,501,357</b>                           | <b>8,233,899</b>                                 | <b>78.4</b> | <b>92.3</b>                                | <b>7.7</b>                                   |
| Appalachian New York                      | 534,175                                     | 408,242                                          | 76.4        | 93.1                                       | 6.9                                          |
| Non-Appalachian New York                  | 9,967,182                                   | 7,825,657                                        | 78.5        | 92.2                                       | 7.8                                          |
| <b>North Carolina</b>                     | <b>5,061,397</b>                            | <b>3,892,934</b>                                 | <b>76.9</b> | <b>90.7</b>                                | <b>9.3</b>                                   |
| Appalachian North Carolina                | 886,853                                     | 658,738                                          | 74.3        | 90.9                                       | 9.1                                          |
| Non-Appalachian North Carolina            | 4,174,544                                   | 3,234,196                                        | 77.5        | 90.7                                       | 9.3                                          |
| <b>Ohio</b>                               | <b>6,071,992</b>                            | <b>4,718,733</b>                                 | <b>77.7</b> | <b>91.7</b>                                | <b>8.3</b>                                   |
| Appalachian Ohio                          | 1,063,037                                   | 765,578                                          | 72.0        | 91.1                                       | 8.9                                          |
| Non-Appalachian Ohio                      | 5,008,955                                   | 3,953,155                                        | 78.9        | 91.8                                       | 8.2                                          |
| <b>Pennsylvania</b>                       | <b>6,701,782</b>                            | <b>5,250,784</b>                                 | <b>78.3</b> | <b>92.6</b>                                | <b>7.4</b>                                   |
| Appalachian Pennsylvania                  | 3,035,434                                   | 2,320,557                                        | 76.4        | 93.1                                       | 6.9                                          |
| Non-Appalachian Pennsylvania              | 3,666,348                                   | 2,930,227                                        | 79.9        | 92.2                                       | 7.8                                          |
| <b>South Carolina</b>                     | <b>2,434,378</b>                            | <b>1,825,473</b>                                 | <b>75.0</b> | <b>90.4</b>                                | <b>9.6</b>                                   |
| Appalachian South Carolina                | 615,832                                     | 461,119                                          | 74.9        | 90.9                                       | 9.1                                          |
| Non-Appalachian South Carolina            | 1,818,546                                   | 1,364,354                                        | 75.0        | 90.3                                       | 9.7                                          |
| <b>Tennessee</b>                          | <b>3,391,663</b>                            | <b>2,532,578</b>                                 | <b>74.7</b> | <b>91.5</b>                                | <b>8.5</b>                                   |
| Appalachian Tennessee                     | 1,471,605                                   | 1,062,023                                        | 72.2        | 91.5                                       | 8.5                                          |
| Non-Appalachian Tennessee                 | 1,920,058                                   | 1,470,555                                        | 76.6        | 91.5                                       | 8.5                                          |
| <b>Virginia</b>                           | <b>4,328,883</b>                            | <b>3,438,487</b>                                 | <b>79.4</b> | <b>94.3</b>                                | <b>5.7</b>                                   |
| Appalachian Virginia                      | 394,623                                     | 271,811                                          | 68.9        | 93.1                                       | 6.9                                          |
| Non-Appalachian Virginia                  | 3,934,260                                   | 3,166,676                                        | 80.5        | 94.4                                       | 5.6                                          |
| <b>West Virginia (entire state)</b>       | <b>990,644</b>                              | <b>674,090</b>                                   | <b>68.0</b> | <b>93.1</b>                                | <b>6.9</b>                                   |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 6.1: Percent of Persons Ages 25 to 64 in the Appalachian Region Who Are In the Labor Force, 2009-2013**



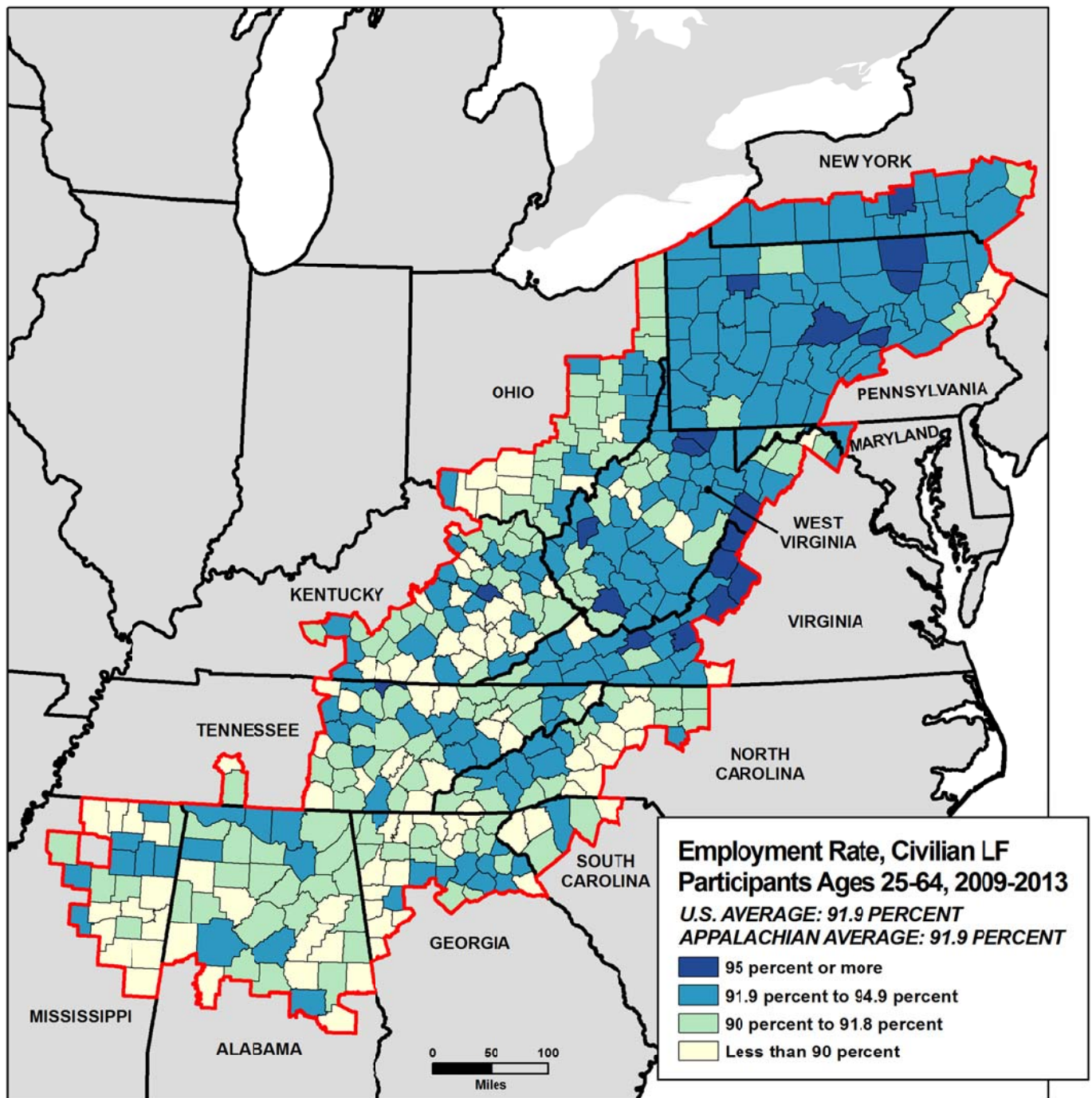
Map Title: Percent of Persons Ages 25 to 64 in the Appalachian Region Who Are In the Labor Force, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period (which includes the last six months of the recent recession), 73 percent of Appalachia's civilian population in the prime working ages (ages 25 to 64) were in the civilian labor force, slightly below the U.S. average of 78 percent. In 38 Appalachian counties (26 of which were in metropolitan areas), the share was at or above the national average, yet there were 52 counties where less than 60 percent of 25-to-64-year-olds were in the civilian labor force. Nearly all the counties in the latter group were outside of metropolitan areas, and 41 were in Central Appalachia. Indeed, just 60 percent of working-age residents in Central Appalachia and 65 percent of those in rural areas were in the labor force. And there are indications of a possible connection between educational attainment and labor force participation. For example, in nearly all of the counties where labor force participation levels were at or above the national rate, the share of working-age adults with at least a high school diploma also matched or exceeded the U.S. average.



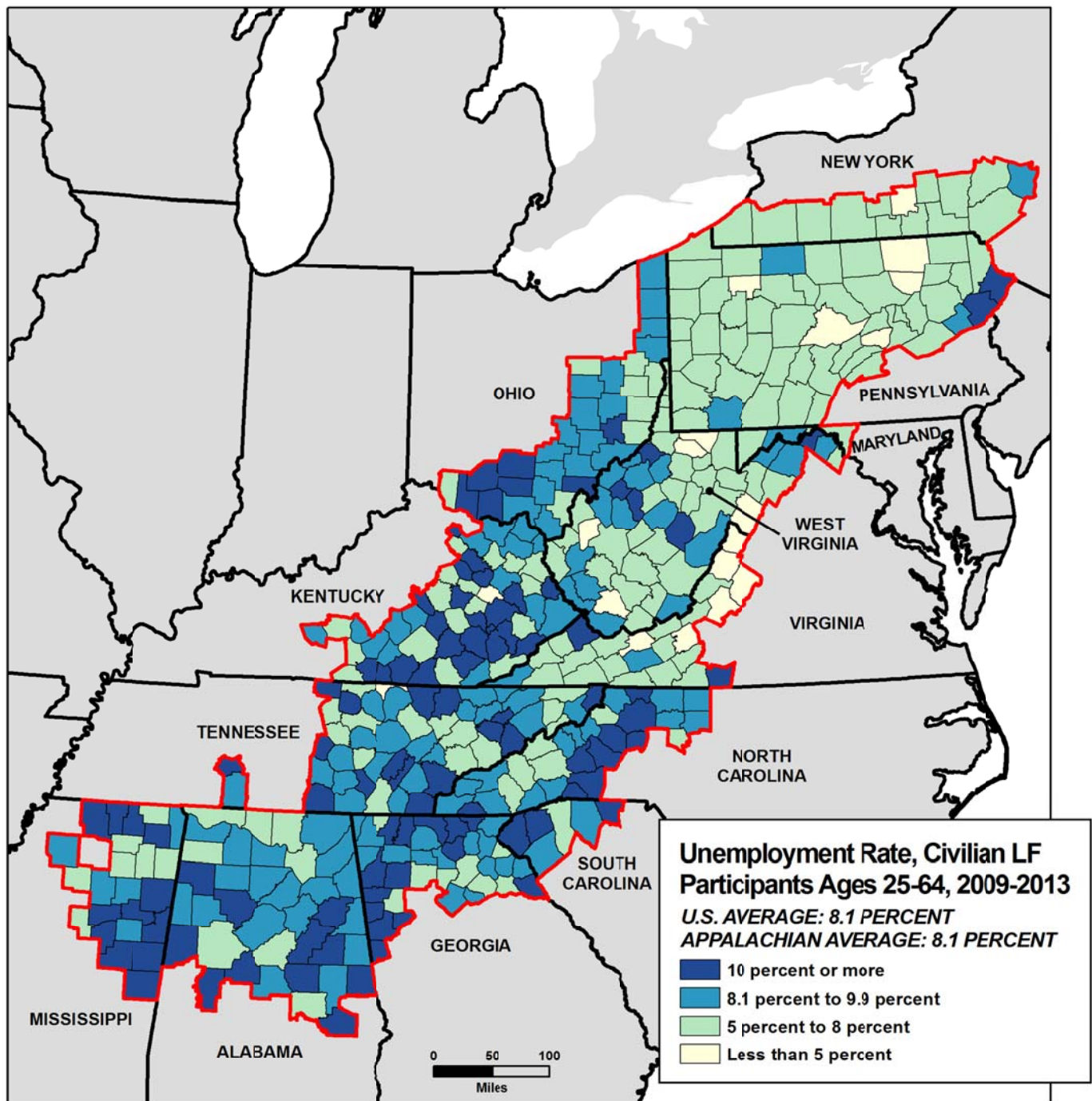
**Figure 6.2: Employment Rate for Civilian Labor Force Participants Ages 25 to 64 in the Appalachian Region, 2009-2013**



Map Title: Employment Rate for Civilian Labor Force Participants Ages 25 to 64 in the Appalachian Region, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The employment rate in Appalachia among members of the civilian labor force ages 25 to 64 was identical to the national rate during the 2009-2013 period. Although there were only slight differences among subregions and urban/rural county types, there was some variation at the county level. In nearly half of Appalachian counties, the employment rate matched or exceeded the national average, with 19 counties having employment rates of 95 percent or greater. Yet in 98 counties in the Region, employment among 25-to-64-year-olds was less than 90 percent, which suggests that they have not fully recovered economically from the recent recession. Almost three-fourths of the counties in the latter group were outside metropolitan areas.

**Figure 6.3: Unemployment Rate for Civilian Labor Force Participants Ages 25 to 64 in the Appalachian Region, 2009-2013**



Map Title: Unemployment Rate for Civilian Labor Force Participants Ages 25 to 64 in the Appalachian Region, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Among persons ages 25 to 64, unemployment in the Appalachian Region matched the national average of 8.1 percent during the 2009-2013 period. Within Appalachia, unemployment was at least 10 percent in 102 counties—72 of which were outside metropolitan areas and 88 in Central, South Central, and Southern Appalachia. Conversely, unemployment was less than 5 percent in 19 other counties. There are indications of a connection between unemployment and educational attainment: In 97 of the 102 Appalachian counties with double-digit unemployment, the share of 25-to-64-year-olds with at least a high school diploma was below the national average; in 41 of these counties, the share was less than four-fifths.

## CHAPTER 7: INCOME AND POVERTY

Table 7.1: Household, Family, and Per Capita Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

| Income                                | Household Income, 2009-2013<br>(2013 Dollars) |                     | Family Income, 2009-2013<br>(2013 Dollars) |                         | Per Capita<br>Income,<br>2009-2013<br>(2013 Dollars) |
|---------------------------------------|-----------------------------------------------|---------------------|--------------------------------------------|-------------------------|------------------------------------------------------|
|                                       | Mean HH<br>Income                             | Median HH<br>Income | Mean Family<br>Income                      | Median Family<br>Income |                                                      |
| <b>United States</b>                  | <b>73,487</b>                                 | <b>53,046</b>       | <b>85,588</b>                              | <b>64,719</b>           | <b>28,155</b>                                        |
| <b>Appalachian Region</b>             | <b>59,006</b>                                 | <b>43,897</b>       | <b>69,816</b>                              | <b>55,205</b>           | <b>23,670</b>                                        |
| <b>Subregions</b>                     |                                               |                     |                                            |                         |                                                      |
| Northern Appalachia                   | 61,088                                        | 46,518              | 73,379                                     | 59,141                  | 25,192                                               |
| North Central Appalachia              | 56,408                                        | 42,253              | 66,990                                     | 53,508                  | 22,869                                               |
| Central Appalachia                    | 46,562                                        | 33,630              | 54,854                                     | 42,903                  | 18,722                                               |
| South Central Appalachia              | 56,322                                        | 41,143              | 67,150                                     | 52,184                  | 23,273                                               |
| Southern Appalachia                   | 62,408                                        | 46,356              | 72,326                                     | 56,550                  | 23,739                                               |
| <b>County Types</b>                   |                                               |                     |                                            |                         |                                                      |
| Large Metros (pop. 1 million +)       | 70,133                                        | 53,044              | 82,488                                     | 65,555                  | 27,473                                               |
| Small Metros (pop. <1 million)        | 59,935                                        | 44,554              | 71,558                                     | 56,649                  | 24,236                                               |
| Nonmetro, Adjacent to Large Metros    | 52,579                                        | 40,469              | 61,797                                     | 50,437                  | 20,949                                               |
| Nonmetro, Adjacent to Small Metros    | 51,309                                        | 39,231              | 60,204                                     | 48,852                  | 20,878                                               |
| Rural (nonmetro, not adj. to a metro) | 47,654                                        | 34,926              | 56,224                                     | 44,474                  | 19,236                                               |
| <b>Alabama</b>                        | <b>59,631</b>                                 | <b>43,253</b>       | <b>70,661</b>                              | <b>54,362</b>           | <b>23,680</b>                                        |
| Appalachian Alabama                   | 61,486                                        | 44,456              | 72,710                                     | 55,978                  | 24,421                                               |
| Non-Appalachian Alabama               | 56,300                                        | 41,296              | 66,881                                     | 52,299                  | 22,359                                               |
| <b>Georgia</b>                        | <b>67,572</b>                                 | <b>49,179</b>       | <b>77,878</b>                              | <b>58,755</b>           | <b>25,182</b>                                        |
| Appalachian Georgia                   | 67,716                                        | 52,428              | 75,808                                     | 60,310                  | 24,098                                               |
| Non-Appalachian Georgia               | 67,513                                        | 47,763              | 78,841                                     | 58,143                  | 25,653                                               |
| <b>Kentucky</b>                       | <b>58,621</b>                                 | <b>43,036</b>       | <b>69,402</b>                              | <b>54,279</b>           | <b>23,462</b>                                        |
| Appalachian Kentucky                  | 46,147                                        | 32,854              | 54,586                                     | 42,172                  | 18,405                                               |
| Non-Appalachian Kentucky              | 63,208                                        | 47,182              | 75,077                                     | 59,611                  | 25,343                                               |
| <b>Maryland</b>                       | <b>96,072</b>                                 | <b>73,538</b>       | <b>111,740</b>                             | <b>88,738</b>           | <b>36,354</b>                                        |
| Appalachian Maryland                  | 63,241                                        | 49,138              | 74,250                                     | 61,956                  | 24,776                                               |
| Non-Appalachian Maryland              | 97,615                                        | 75,057              | 113,466                                    | 91,062                  | 36,879                                               |
| <b>Mississippi</b>                    | <b>54,132</b>                                 | <b>39,031</b>       | <b>63,155</b>                              | <b>48,471</b>           | <b>20,618</b>                                        |
| Appalachian Mississippi               | 48,161                                        | 35,182              | 56,730                                     | 44,690                  | 18,876                                               |
| Non-Appalachian Mississippi           | 55,796                                        | 40,194              | 64,947                                     | 49,643                  | 21,085                                               |
| <b>New York</b>                       | <b>84,432</b>                                 | <b>58,003</b>       | <b>97,941</b>                              | <b>70,670</b>           | <b>32,382</b>                                        |
| Appalachian New York                  | 59,864                                        | 46,401              | 71,742                                     | 58,742                  | 24,312                                               |
| Non-Appalachian New York              | 85,961                                        | 59,153              | 99,522                                     | 71,883                  | 32,847                                               |
| <b>North Carolina</b>                 | <b>63,707</b>                                 | <b>46,334</b>       | <b>74,863</b>                              | <b>56,928</b>           | <b>25,284</b>                                        |
| Appalachian North Carolina            | 55,773                                        | 40,882              | 66,426                                     | 51,720                  | 23,176                                               |
| Non-Appalachian North Carolina        | 65,515                                        | 47,757              | 76,749                                     | 58,493                  | 25,736                                               |
| <b>Ohio</b>                           | <b>64,449</b>                                 | <b>48,308</b>       | <b>77,195</b>                              | <b>61,371</b>           | <b>26,046</b>                                        |
| Appalachian Ohio                      | 54,949                                        | 42,379              | 64,571                                     | 53,345                  | 22,007                                               |
| Non-Appalachian Ohio                  | 66,448                                        | 49,713              | 79,978                                     | 63,672                  | 26,909                                               |
| <b>Pennsylvania</b>                   | <b>71,088</b>                                 | <b>52,548</b>       | <b>85,586</b>                              | <b>66,646</b>           | <b>28,502</b>                                        |
| Appalachian Pennsylvania              | 62,773                                        | 47,621              | 75,754                                     | 60,693                  | 26,026                                               |
| Non-Appalachian Pennsylvania          | 78,503                                        | 57,882              | 94,205                                     | 73,271                  | 30,564                                               |
| <b>South Carolina</b>                 | <b>60,601</b>                                 | <b>44,779</b>       | <b>70,910</b>                              | <b>55,058</b>           | <b>23,943</b>                                        |
| Appalachian South Carolina            | 60,255                                        | 44,344              | 70,977                                     | 55,661                  | 23,649                                               |
| Non-Appalachian South Carolina        | 60,719                                        | 44,935              | 70,887                                     | 55,241                  | 24,043                                               |
| <b>Tennessee</b>                      | <b>61,291</b>                                 | <b>44,298</b>       | <b>72,143</b>                              | <b>54,779</b>           | <b>24,409</b>                                        |
| Appalachian Tennessee                 | 55,978                                        | 40,566              | 66,387                                     | 51,310                  | 22,983                                               |
| Non-Appalachian Tennessee             | 65,707                                        | 47,830              | 76,941                                     | 58,658                  | 25,518                                               |
| <b>Virginia</b>                       | <b>87,094</b>                                 | <b>63,907</b>       | <b>100,723</b>                             | <b>76,754</b>           | <b>33,493</b>                                        |
| Appalachian Virginia                  | 52,603                                        | 39,188              | 63,070                                     | 50,055                  | 21,763                                               |
| Non-Appalachian Virginia              | 90,996                                        | 68,061              | 104,892                                    | 81,363                  | 34,721                                               |
| <b>West Virginia (entire state)</b>   | <b>55,308</b>                                 | <b>41,043</b>       | <b>66,206</b>                              | <b>52,165</b>           | <b>22,966</b>                                        |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.



**Table 7.2: Number of Persons in the Appalachian Region in Poverty, by Age Group, 2009-2013**

| Poverty Status                        | All Ages          | Under Age 18      | Ages 18-64        |                  |                   | Ages 65 and Over |
|---------------------------------------|-------------------|-------------------|-------------------|------------------|-------------------|------------------|
|                                       |                   |                   | Total             | Ages 18-24       | Ages 25-64        |                  |
| <b>United States</b>                  | <b>46,663,433</b> | <b>15,701,799</b> | <b>27,168,057</b> | <b>7,069,458</b> | <b>20,098,599</b> | <b>3,793,577</b> |
| <b>Appalachian Region</b>             | <b>4,176,072</b>  | <b>1,329,276</b>  | <b>2,474,828</b>  | <b>616,739</b>   | <b>1,858,089</b>  | <b>371,968</b>   |
| <b>Subregions</b>                     |                   |                   |                   |                  |                   |                  |
| Northern Appalachia                   | 1,159,369         | 357,225           | 689,477           | 193,803          | 495,674           | 112,667          |
| North Central Appalachia              | 414,256           | 123,467           | 255,760           | 66,470           | 189,290           | 35,029           |
| Central Appalachia                    | 445,067           | 134,430           | 266,828           | 48,242           | 218,586           | 43,809           |
| South Central Appalachia              | 836,670           | 252,745           | 507,830           | 135,450          | 372,380           | 76,095           |
| Southern Appalachia                   | 1,320,710         | 461,409           | 754,933           | 172,774          | 582,159           | 104,368          |
| <b>County Types</b>                   |                   |                   |                   |                  |                   |                  |
| Large Metros (pop. 1 million +)       | 779,462           | 259,747           | 452,862           | 104,703          | 348,159           | 66,853           |
| Small Metros (pop. <1 million)        | 1,721,383         | 540,361           | 1,038,882         | 289,889          | 748,993           | 142,140          |
| Nonmetro, Adjacent to Large Metros    | 411,412           | 132,514           | 242,879           | 61,379           | 181,500           | 36,019           |
| Nonmetro, Adjacent to Small Metros    | 710,527           | 226,738           | 410,731           | 86,567           | 324,164           | 73,058           |
| Rural (nonmetro, not adj. to a metro) | 553,288           | 169,916           | 329,474           | 74,201           | 255,273           | 53,898           |
| <b>Alabama</b>                        | <b>870,631</b>    | <b>298,929</b>    | <b>500,092</b>    | <b>126,522</b>   | <b>373,570</b>    | <b>71,610</b>    |
| Appalachian Alabama                   | 520,640           | 177,978           | 298,995           | 70,566           | 228,429           | 43,667           |
| Non-Appalachian Alabama               | 349,991           | 120,951           | 201,097           | 55,956           | 145,141           | 27,943           |
| <b>Georgia</b>                        | <b>1,736,680</b>  | <b>621,328</b>    | <b>996,903</b>    | <b>248,172</b>   | <b>748,731</b>    | <b>118,449</b>   |
| Appalachian Georgia                   | 457,080           | 166,834           | 258,567           | 50,616           | 207,951           | 31,679           |
| Non-Appalachian Georgia               | 1,279,600         | 454,494           | 738,336           | 197,556          | 540,780           | 86,770           |
| <b>Kentucky</b>                       | <b>796,202</b>    | <b>260,542</b>    | <b>468,388</b>    | <b>110,026</b>   | <b>358,362</b>    | <b>67,272</b>    |
| Appalachian Kentucky                  | 287,655           | 87,400            | 172,208           | 32,697           | 139,511           | 28,047           |
| Non-Appalachian Kentucky              | 508,547           | 173,142           | 296,180           | 77,329           | 218,851           | 39,225           |
| <b>Maryland</b>                       | <b>558,329</b>    | <b>171,260</b>    | <b>332,517</b>    | <b>83,826</b>    | <b>248,691</b>    | <b>54,552</b>    |
| Appalachian Maryland                  | 33,102            | 10,567            | 19,102            | 4,913            | 14,189            | 3,433            |
| Non-Appalachian Maryland              | 525,227           | 160,693           | 313,415           | 78,913           | 234,502           | 51,119           |
| <b>Mississippi</b>                    | <b>653,321</b>    | <b>238,337</b>    | <b>361,802</b>    | <b>90,339</b>    | <b>271,463</b>    | <b>53,182</b>    |
| Appalachian Mississippi               | 143,637           | 49,150            | 81,912            | 22,508           | 59,404            | 12,575           |
| Non-Appalachian Mississippi           | 509,684           | 189,187           | 279,890           | 67,831           | 212,059           | 40,607           |
| <b>New York</b>                       | <b>2,903,982</b>  | <b>915,655</b>    | <b>1,694,407</b>  | <b>401,232</b>   | <b>1,293,175</b>  | <b>293,920</b>   |
| Appalachian New York                  | 164,632           | 48,314            | 103,708           | 35,557           | 68,151            | 12,610           |
| Non-Appalachian New York              | 2,739,350         | 867,341           | 1,590,699         | 365,675          | 1,225,024         | 281,310          |
| <b>North Carolina</b>                 | <b>1,643,389</b>  | <b>560,247</b>    | <b>957,819</b>    | <b>248,057</b>   | <b>709,762</b>    | <b>125,323</b>   |
| Appalachian North Carolina            | 312,569           | 98,074            | 186,662           | 47,107           | 139,555           | 27,833           |
| Non-Appalachian North Carolina        | 1,330,820         | 462,173           | 771,157           | 200,950          | 570,207           | 97,490           |
| <b>Ohio</b>                           | <b>1,773,853</b>  | <b>605,140</b>    | <b>1,040,213</b>  | <b>273,236</b>   | <b>766,977</b>    | <b>128,500</b>   |
| Appalachian Ohio                      | 345,713           | 117,070           | 201,058           | 46,155           | 154,903           | 27,585           |
| Non-Appalachian Ohio                  | 1,428,140         | 488,070           | 839,155           | 227,081          | 612,074           | 100,915          |
| <b>Pennsylvania</b>                   | <b>1,638,820</b>  | <b>509,623</b>    | <b>969,967</b>    | <b>264,310</b>   | <b>705,657</b>    | <b>159,230</b>   |
| Appalachian Pennsylvania              | 753,500           | 224,223           | 449,652           | 129,457          | 320,195           | 79,625           |
| Non-Appalachian Pennsylvania          | 885,320           | 285,400           | 520,315           | 134,853          | 385,462           | 79,605           |
| <b>South Carolina</b>                 | <b>820,308</b>    | <b>280,163</b>    | <b>473,645</b>    | <b>119,962</b>   | <b>353,683</b>    | <b>66,500</b>    |
| Appalachian South Carolina            | 199,353           | 67,447            | 115,459           | 29,084           | 86,375            | 16,447           |
| Non-Appalachian South Carolina        | 620,955           | 212,716           | 358,186           | 90,878           | 267,308           | 50,053           |
| <b>Tennessee</b>                      | <b>1,101,732</b>  | <b>372,139</b>    | <b>641,931</b>    | <b>153,106</b>   | <b>488,825</b>    | <b>87,662</b>    |
| Appalachian Tennessee                 | 500,654           | 153,184           | 301,218           | 70,664           | 230,554           | 46,252           |
| Non-Appalachian Tennessee             | 601,078           | 218,955           | 340,713           | 82,442           | 258,271           | 41,410           |
| <b>Virginia</b>                       | <b>887,595</b>    | <b>271,958</b>    | <b>538,970</b>    | <b>153,898</b>   | <b>385,072</b>    | <b>76,667</b>    |
| Appalachian Virginia                  | 135,991           | 35,045            | 87,137            | 28,846           | 58,291            | 13,809           |
| Non-Appalachian Virginia              | 751,604           | 236,913           | 451,833           | 125,052          | 326,781           | 62,858           |
| <b>West Virginia (entire state)</b>   | <b>321,546</b>    | <b>93,990</b>     | <b>199,150</b>    | <b>48,569</b>    | <b>150,581</b>    | <b>28,406</b>    |

Note: Poverty status is determined by a series of income thresholds that are determined by family size and composition. In 2013, the poverty threshold for a family of two adults and two children was \$23,624. The poverty universe does not include unrelated individuals under age 15, people living in college dormitories, and people living in institutional group quarters.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

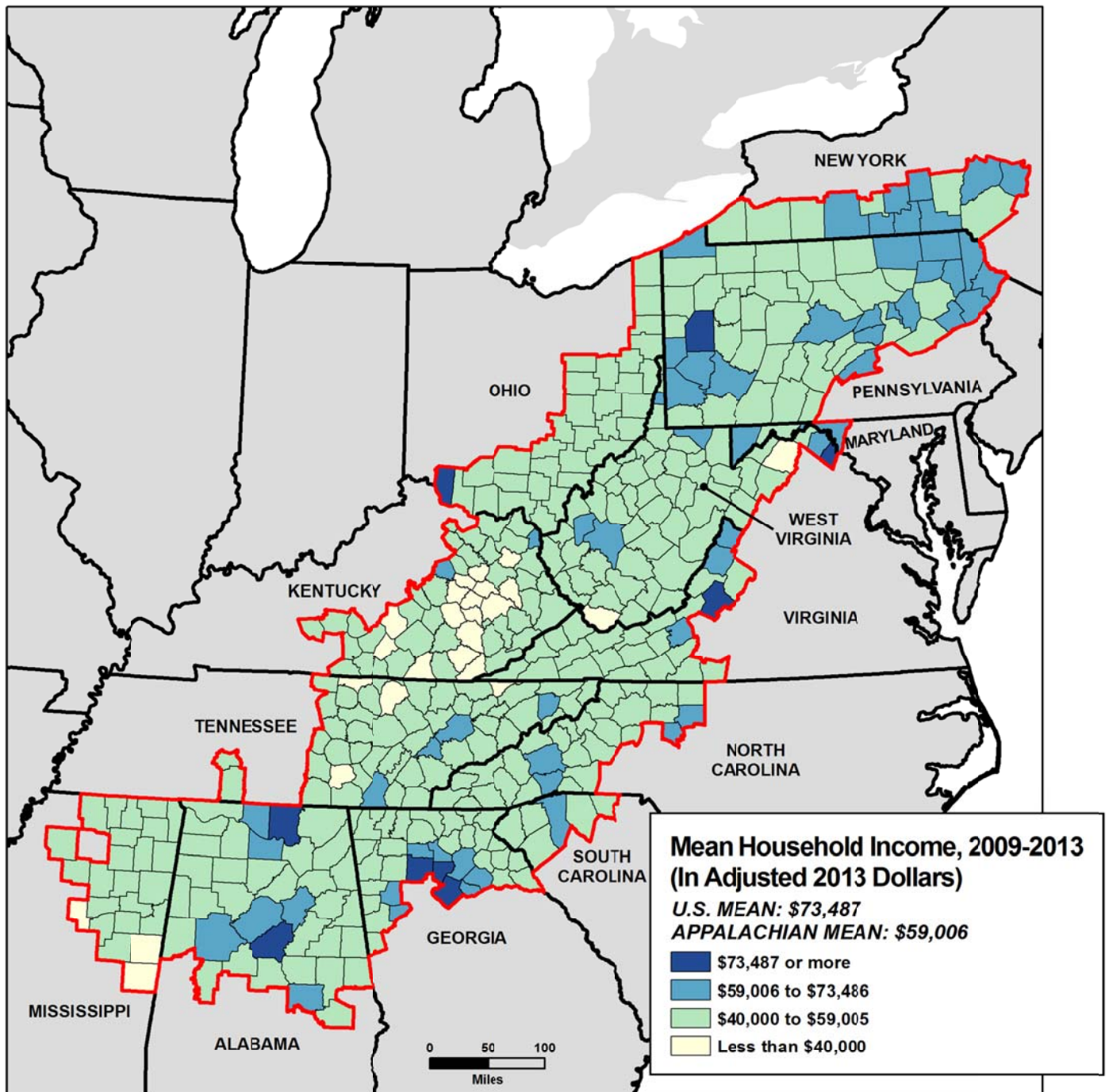
**Table 7.3: Percent of Persons in the Appalachian Region in Poverty, by Age Group, 2009-2013**

| Poverty Status                        | All Ages    | Under Age 18 | Ages 18-64  |             |             | Ages 65 and Over |
|---------------------------------------|-------------|--------------|-------------|-------------|-------------|------------------|
|                                       |             |              | Total       | Ages 18-24  | Ages 25-64  |                  |
| <b>United States</b>                  | <b>15.4</b> | <b>21.6</b>  | <b>14.3</b> | <b>25.3</b> | <b>12.4</b> | <b>9.4</b>       |
| <b>Appalachian Region</b>             | <b>17.0</b> | <b>24.1</b>  | <b>16.3</b> | <b>28.8</b> | <b>14.2</b> | <b>9.8</b>       |
| <b>Subregions</b>                     |             |              |             |             |             |                  |
| Northern Appalachia                   | 14.4        | 21.2         | 13.9        | 27.8        | 11.6        | 8.2              |
| North Central Appalachia              | 17.7        | 24.1         | 17.4        | 32.2        | 15.0        | 9.5              |
| Central Appalachia                    | 24.0        | 32.6         | 23.1        | 31.6        | 21.8        | 15.3             |
| South Central Appalachia              | 18.2        | 25.6         | 17.8        | 33.6        | 15.2        | 9.8              |
| Southern Appalachia                   | 17.2        | 24.1         | 15.8        | 25.2        | 14.2        | 10.5             |
| <b>County Types</b>                   |             |              |             |             |             |                  |
| Large Metros (pop. 1 million +)       | 13.5        | 18.9         | 12.5        | 21.8        | 11.1        | 8.5              |
| Small Metros (pop. <1 million)        | 16.7        | 23.8         | 16.1        | 30.6        | 13.6        | 8.9              |
| Nonmetro, Adjacent to Large Metros    | 19.3        | 27.5         | 18.6        | 32.5        | 16.3        | 10.5             |
| Nonmetro, Adjacent to Small Metros    | 18.4        | 27.1         | 17.5        | 27.7        | 15.9        | 10.9             |
| Rural (nonmetro, not adj. to a metro) | 22.5        | 31.0         | 21.9        | 34.5        | 19.8        | 13.4             |
| <b>Alabama</b>                        | <b>18.6</b> | <b>26.9</b>  | <b>17.2</b> | <b>28.8</b> | <b>15.1</b> | <b>10.8</b>      |
| Appalachian Alabama                   | 17.3        | 25.3         | 15.9        | 25.9        | 14.3        | 10.3             |
| Non-Appalachian Alabama               | 20.8        | 29.7         | 19.4        | 33.7        | 16.7        | 11.8             |
| <b>Georgia</b>                        | <b>18.2</b> | <b>25.3</b>  | <b>16.5</b> | <b>27.8</b> | <b>14.6</b> | <b>11.2</b>      |
| Appalachian Georgia                   | 15.6        | 21.3         | 14.2        | 20.4        | 13.2        | 9.8              |
| Non-Appalachian Georgia               | 19.3        | 27.2         | 17.5        | 30.7        | 15.2        | 11.8             |
| <b>Kentucky</b>                       | <b>18.8</b> | <b>26.1</b>  | <b>17.6</b> | <b>29.4</b> | <b>15.7</b> | <b>11.7</b>      |
| Appalachian Kentucky                  | 25.2        | 33.5         | 24.1        | 33.6        | 22.7        | 16.6             |
| Non-Appalachian Kentucky              | 16.5        | 23.4         | 15.2        | 28.0        | 13.1        | 9.7              |
| <b>Maryland</b>                       | <b>9.8</b>  | <b>12.9</b>  | <b>9.1</b>  | <b>16.8</b> | <b>7.9</b>  | <b>7.6</b>       |
| Appalachian Maryland                  | 14.0        | 20.5         | 13.1        | 23.4        | 11.4        | 8.9              |
| Non-Appalachian Maryland              | 9.6         | 12.6         | 8.9         | 16.5        | 7.8         | 7.6              |
| <b>Mississippi</b>                    | <b>22.7</b> | <b>32.4</b>  | <b>20.5</b> | <b>33.0</b> | <b>18.2</b> | <b>14.0</b>      |
| Appalachian Mississippi               | 23.5        | 32.6         | 21.9        | 36.4        | 19.1        | 14.3             |
| Non-Appalachian Mississippi           | 22.5        | 32.3         | 20.1        | 31.9        | 18.0        | 13.9             |
| <b>New York</b>                       | <b>15.3</b> | <b>21.7</b>  | <b>13.9</b> | <b>23.0</b> | <b>12.4</b> | <b>11.3</b>      |
| Appalachian New York                  | 16.4        | 22.6         | 16.5        | 36.0        | 12.9        | 7.7              |
| Non-Appalachian New York              | 15.2        | 21.6         | 13.8        | 22.2        | 12.4        | 11.6             |
| <b>North Carolina</b>                 | <b>17.5</b> | <b>24.9</b>  | <b>16.3</b> | <b>29.4</b> | <b>14.1</b> | <b>10.0</b>      |
| Appalachian North Carolina            | 18.8        | 27.6         | 18.3        | 34.1        | 15.9        | 9.7              |
| Non-Appalachian North Carolina        | 17.2        | 24.4         | 15.8        | 28.5        | 13.7        | 10.1             |
| <b>Ohio</b>                           | <b>15.8</b> | <b>22.8</b>  | <b>14.9</b> | <b>27.9</b> | <b>12.8</b> | <b>8.0</b>       |
| Appalachian Ohio                      | 17.6        | 25.9         | 16.7        | 27.9        | 14.9        | 8.9              |
| Non-Appalachian Ohio                  | 15.4        | 22.2         | 14.5        | 27.9        | 12.3        | 7.8              |
| <b>Pennsylvania</b>                   | <b>13.3</b> | <b>18.8</b>  | <b>12.6</b> | <b>24.8</b> | <b>10.7</b> | <b>8.3</b>       |
| Appalachian Pennsylvania              | 13.5        | 19.5         | 13.0        | 27.0        | 10.8        | 8.3              |
| Non-Appalachian Pennsylvania          | 13.1        | 18.2         | 12.3        | 23.1        | 10.6        | 8.3              |
| <b>South Carolina</b>                 | <b>18.1</b> | <b>26.4</b>  | <b>16.8</b> | <b>29.0</b> | <b>14.7</b> | <b>10.3</b>      |
| Appalachian South Carolina            | 17.3        | 24.7         | 16.2        | 28.2        | 14.1        | 10.0             |
| Non-Appalachian South Carolina        | 18.3        | 26.9         | 17.0        | 29.2        | 14.8        | 10.3             |
| <b>Tennessee</b>                      | <b>17.6</b> | <b>25.3</b>  | <b>16.4</b> | <b>27.6</b> | <b>14.6</b> | <b>10.2</b>      |
| Appalachian Tennessee                 | 18.3        | 25.8         | 17.8        | 30.2        | 15.8        | 10.4             |
| Non-Appalachian Tennessee             | 17.1        | 25.0         | 15.3        | 25.7        | 13.6        | 10.0             |
| <b>Virginia</b>                       | <b>11.3</b> | <b>14.9</b>  | <b>10.7</b> | <b>22.2</b> | <b>8.9</b>  | <b>7.7</b>       |
| Appalachian Virginia                  | 18.5        | 24.0         | 19.0        | 39.9        | 15.1        | 10.7             |
| Non-Appalachian Virginia              | 10.6        | 14.1         | 9.9         | 20.1        | 8.3         | 7.2              |
| <b>West Virginia (entire state)</b>   | <b>17.9</b> | <b>25.0</b>  | <b>17.6</b> | <b>31.7</b> | <b>15.4</b> | <b>9.6</b>       |

Note: Poverty status is determined by a series of income thresholds that are determined by family size and composition. In 2013, the poverty threshold for a family of two adults and two children was \$23,624. The poverty universe does not include unrelated individuals under age 15, people living in college dormitories, and people living in institutional group quarters.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 7.1: Mean Household Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013**



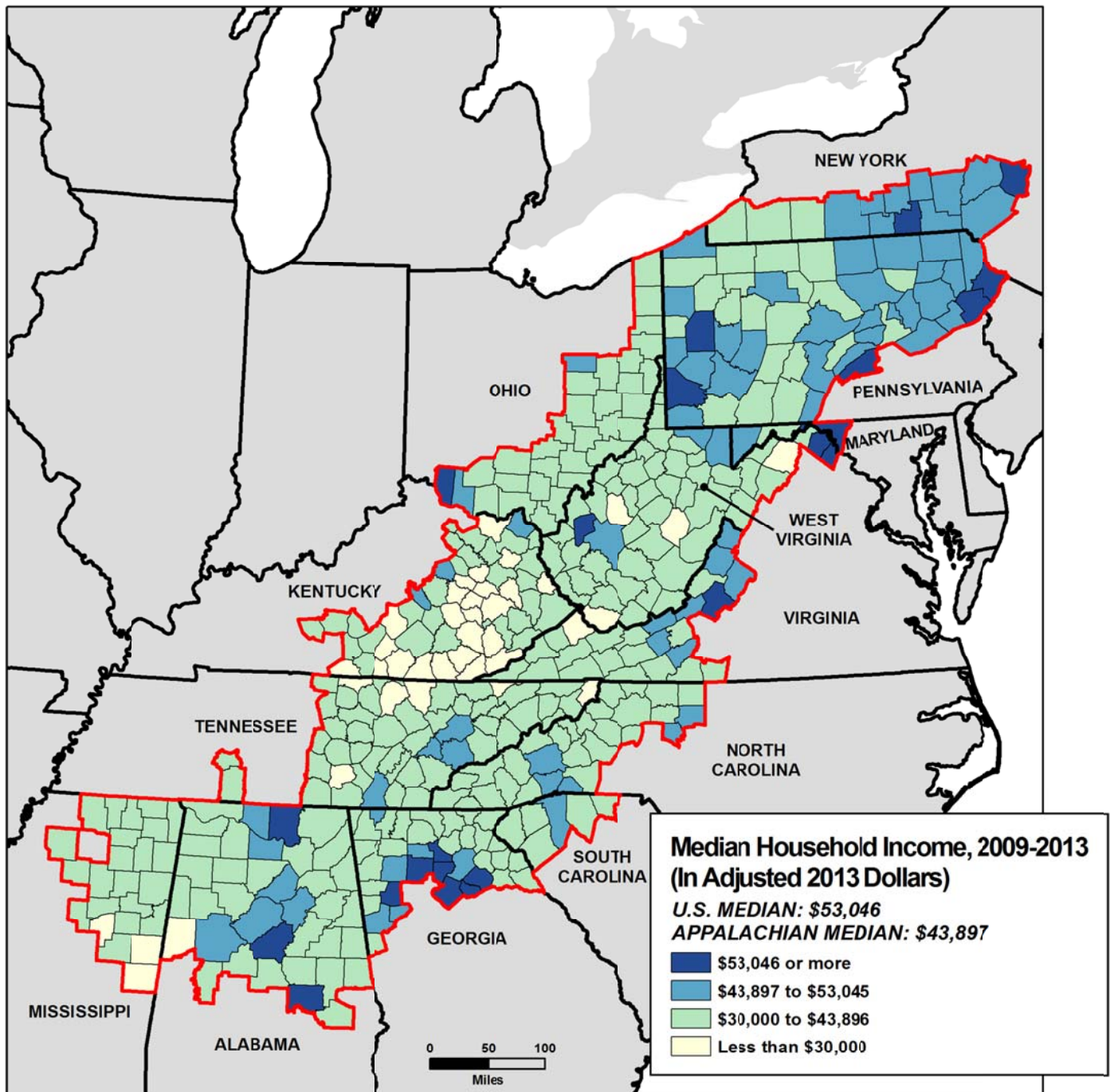
Map Title: Mean Household Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period (which includes the final six months of the economic recession of 2007-2009), the mean income of Appalachian households was \$59,006, just 80 percent of the U.S. average (\$73,487). In just nine of the Region's counties (all of which were in metropolitan areas), average household income matched or exceeded that of the nation as a whole. And in only 61 other counties (49 of which were in metros), mean household income matched or surpassed the Appalachian average. In contrast, mean household income was less than \$40,000 in 25 counties—24 of which were outside metro areas, and 20 of which were in Central Appalachia.



Figure 7.2: Median Household Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

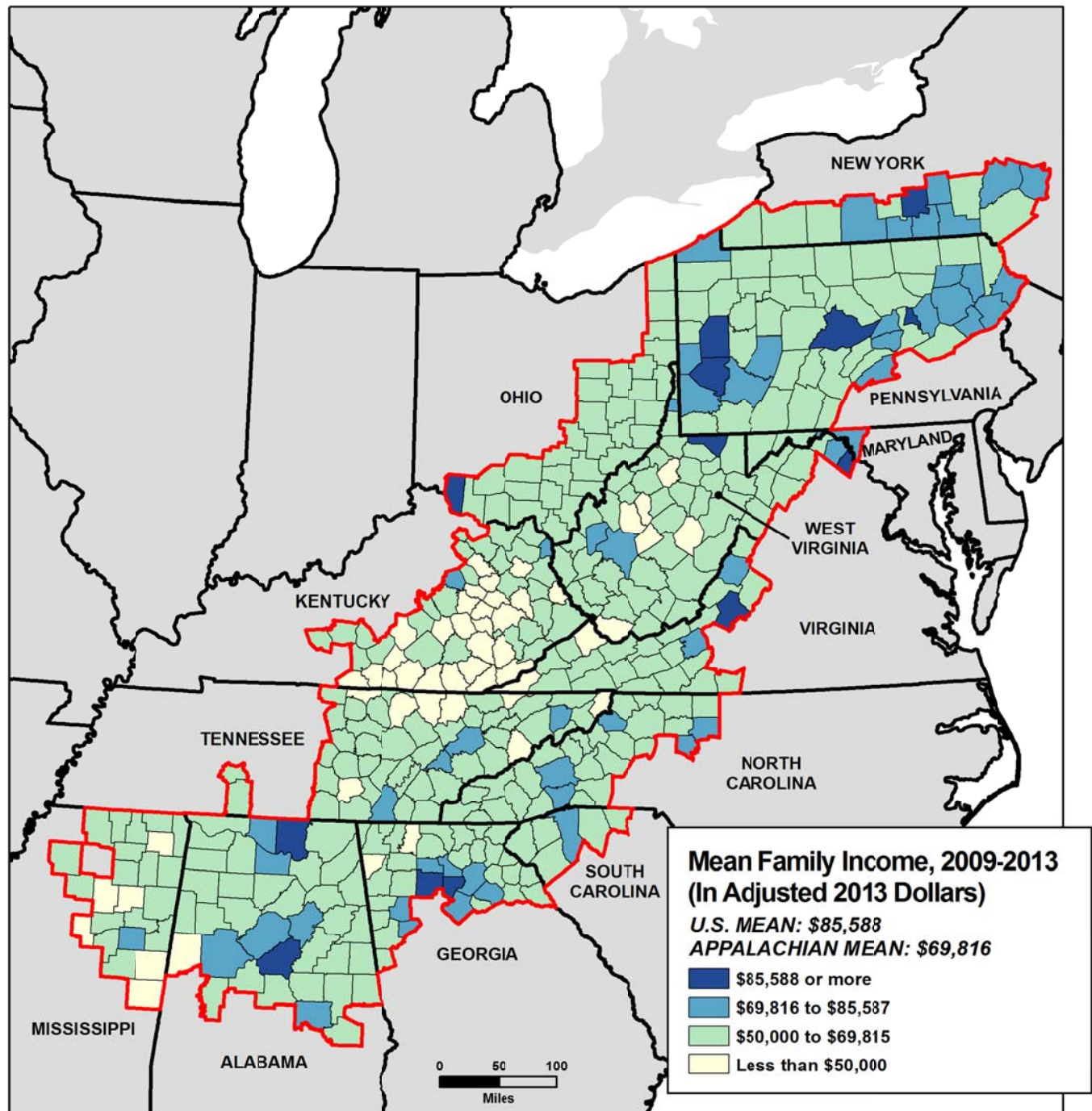


Map Title: Median Household Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

At \$43,897, median household income in Appalachia (the level at which half the households have higher incomes and the other half have lower incomes) was 83 percent that of the United States (\$53,046) during the 2009-2013 period. There were 23 counties in the Region (all but one of which were in metropolitan areas) that had household incomes at or above the national median, while another 74 had incomes at or above the regional median. On the other hand, 39 counties in the Region had median household incomes below \$30,000—37 of which were outside metro areas and 30 of which were in Central Appalachia. This distribution is not surprising: median household income was \$34,926 for the most rural counties and \$33,630 for Central Appalachia. It is useful to note that the income levels displayed here reflect income received both at the end of the 2007-2009 economic downturn and in the years after it ended.

**Figure 7.3: Mean Family Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013**



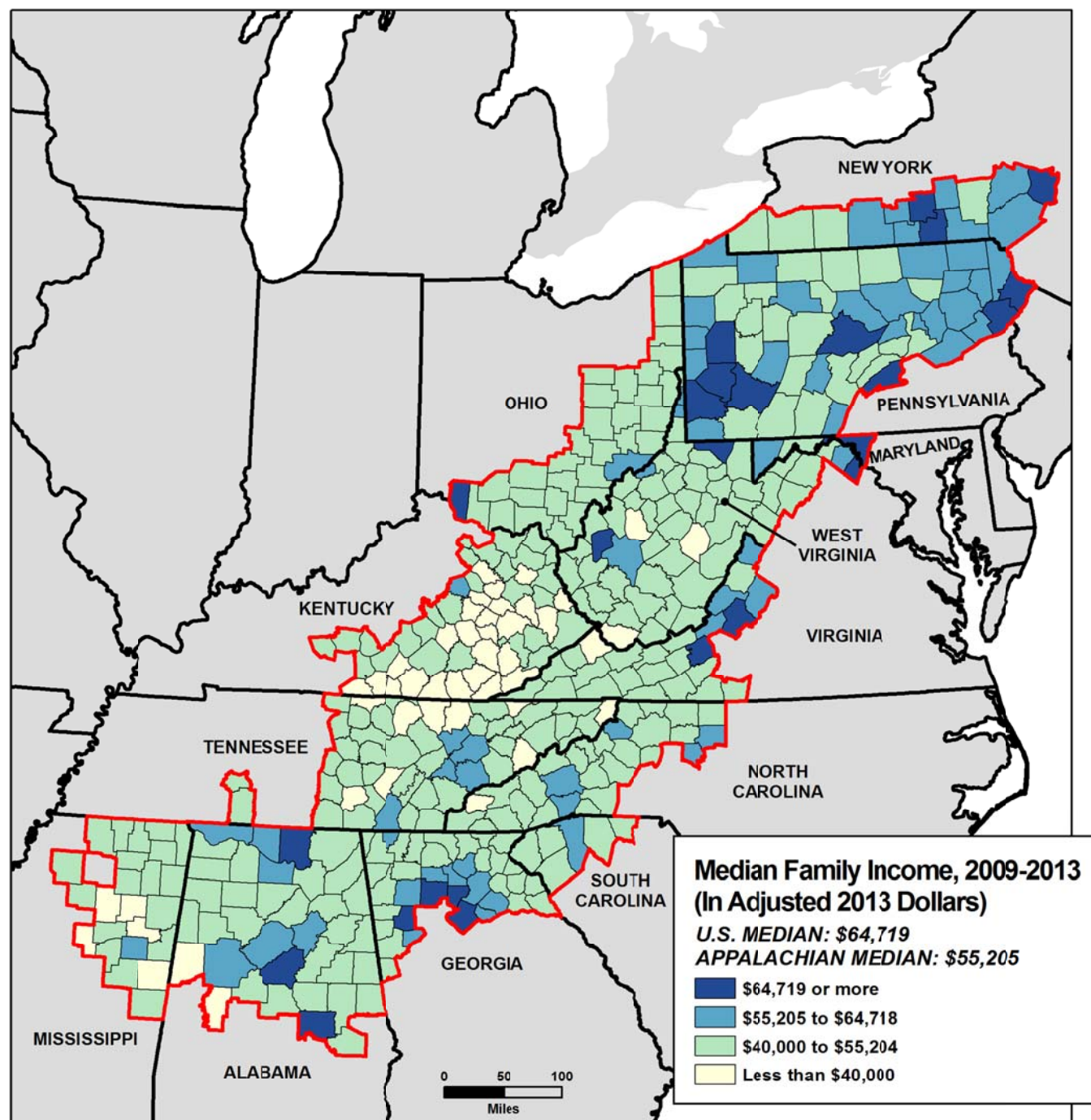
Map Title: Mean Family Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In just 13 Appalachian counties (all in metropolitan areas), the average income of families matched or surpassed the U.S. mean of \$85,588 for the 2009-2013 period. And there were only an additional 55 counties (45 of which were part of metro areas) where mean family income was equal to or greater than the average for the Appalachian Region (\$69,816). In contrast, mean family income was less than \$50,000 in 51 Appalachian counties. All but nine of these counties were either in the most remote rural areas or in Central Appalachia. Indeed, mean family income over the 2009-2013 period (a time frame that includes the last six months of the Great Recession of 2007-2009, as well as the economic recovery that followed) was well below \$60,000 for both of these areas.



Figure 7.4: Median Family Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013



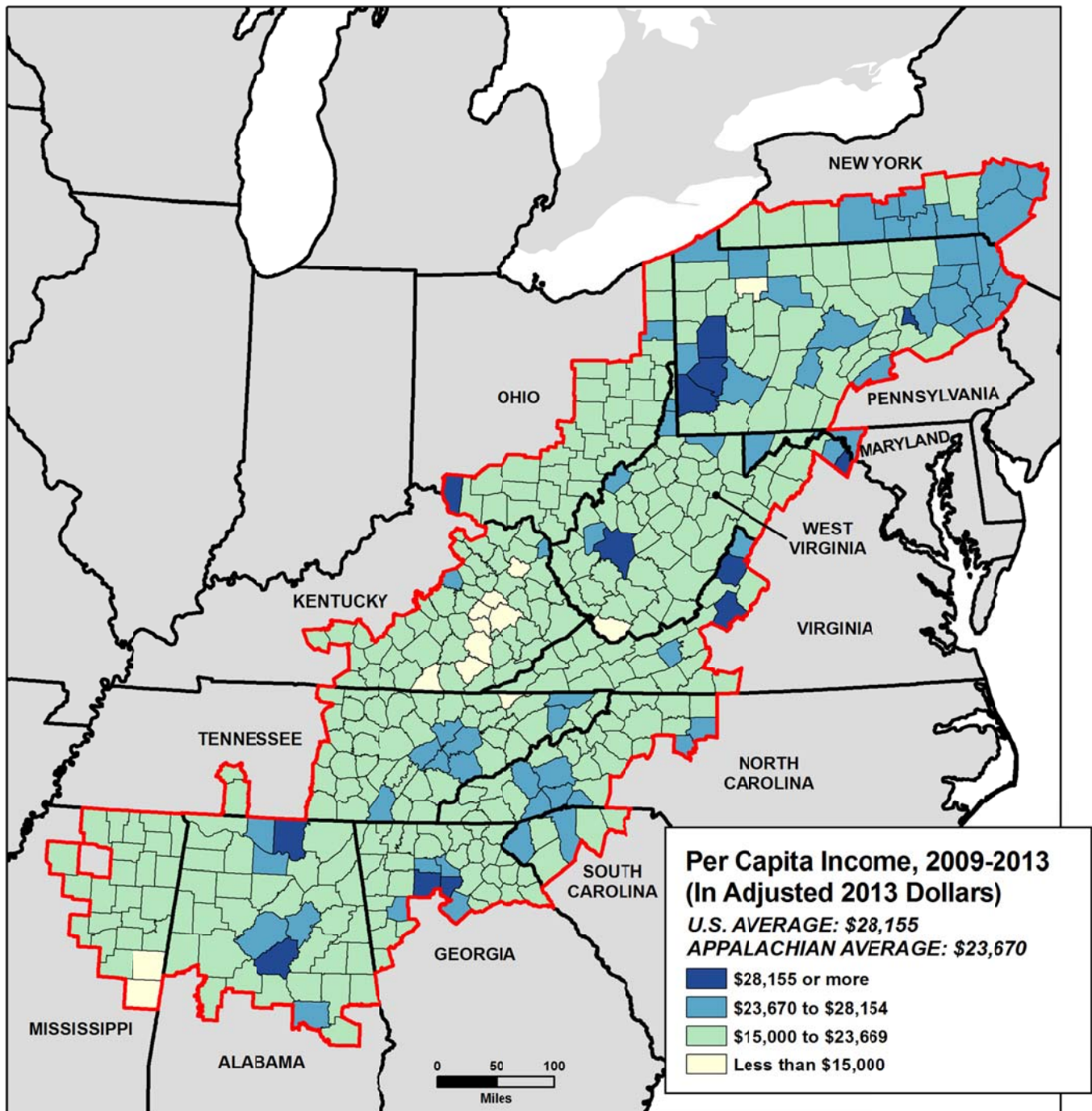
Map Title: Median Family Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In 25 Appalachian counties—all of which were in metro areas—median family income (the level where half of all families have higher incomes while the other half have lower incomes) matched or exceeded the U.S. median of \$64,719 during the 2009-2013 period. In another 69 counties (42 of which were in metros), median income was at or above the median for families in the Appalachian Region (\$55,205). In contrast, median family income was less than \$40,000 in 47 counties. Of the counties in this latter group, virtually all were either rural counties not adjacent to a metro area (median family income in those counties was \$44,474) and/or in Central Appalachia (where median family income was \$42,903). It is important to note that the 2009-2013 period includes the last six months of a major recession and the relatively slow economic recovery that followed.



**Figure 7.5: Per Capita Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013**

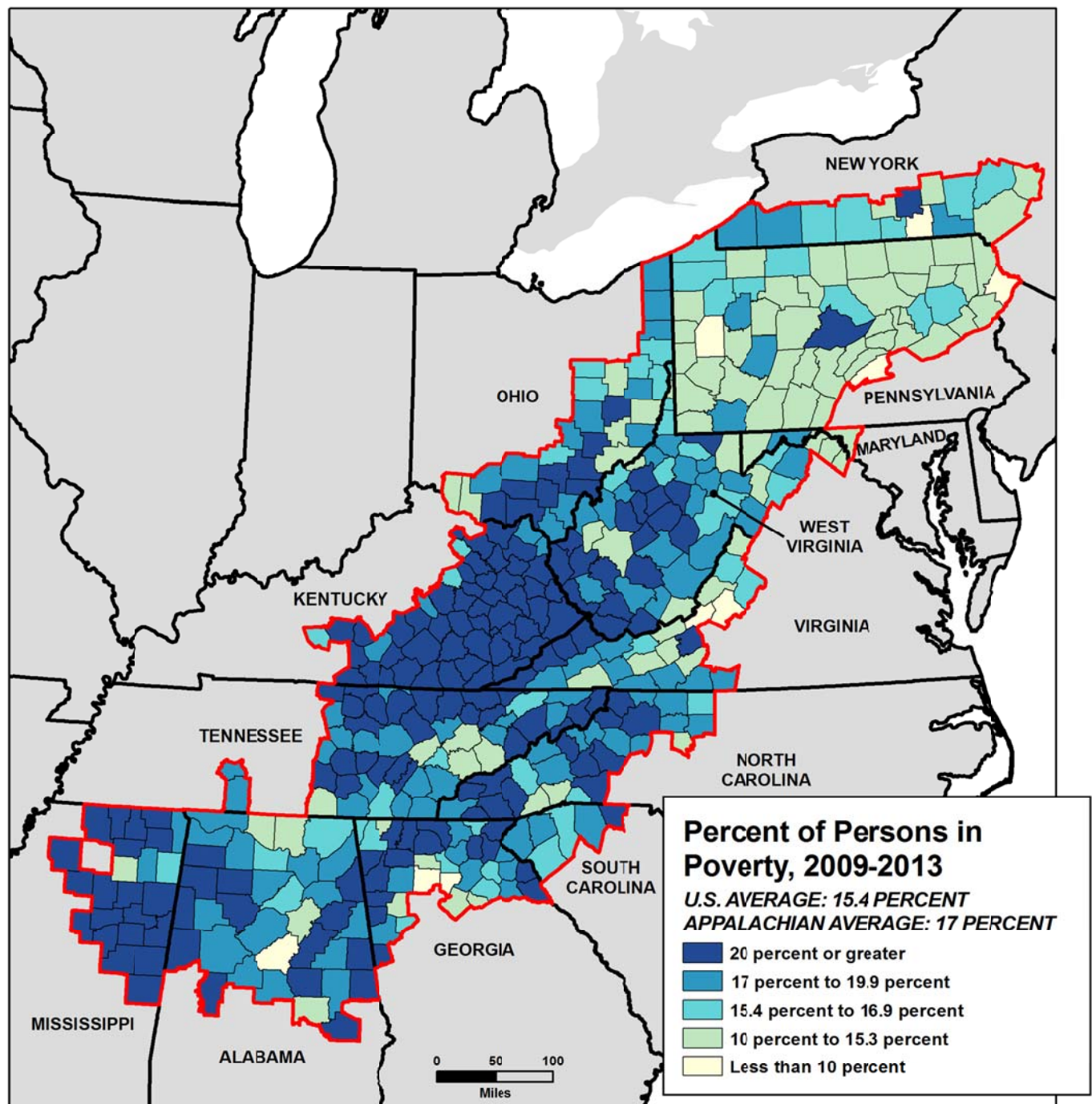


Map Title: Per Capita Income in the Appalachian Region (In Adjusted 2013 Dollars), 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

At \$23,670, per capita income in the Appalachian Region was 84 percent that of the U.S. average of \$28,155 during the 2009-2013 period. And there was greater variation within the Region. Per capita income was the same or higher than the national average in 13 Appalachian counties and was at or above the regional average in 65 others. Yet in 13 Appalachian counties, per capita income was less than \$15,000. As with other income measures, most of the counties with the highest per capita incomes were in metro areas, while the ones with the lowest were in rural areas, particularly in Central Appalachia. Indeed, per capita income in the 2009-2013 period (which includes both the end of the recession and the first four years of the economic recovery) was only \$19,236 in rural Appalachian counties as a whole, and just \$18,722 in Central Appalachia.

**Figure 7.6: Percent of Persons in the Appalachian Region in Poverty, 2009-2013**



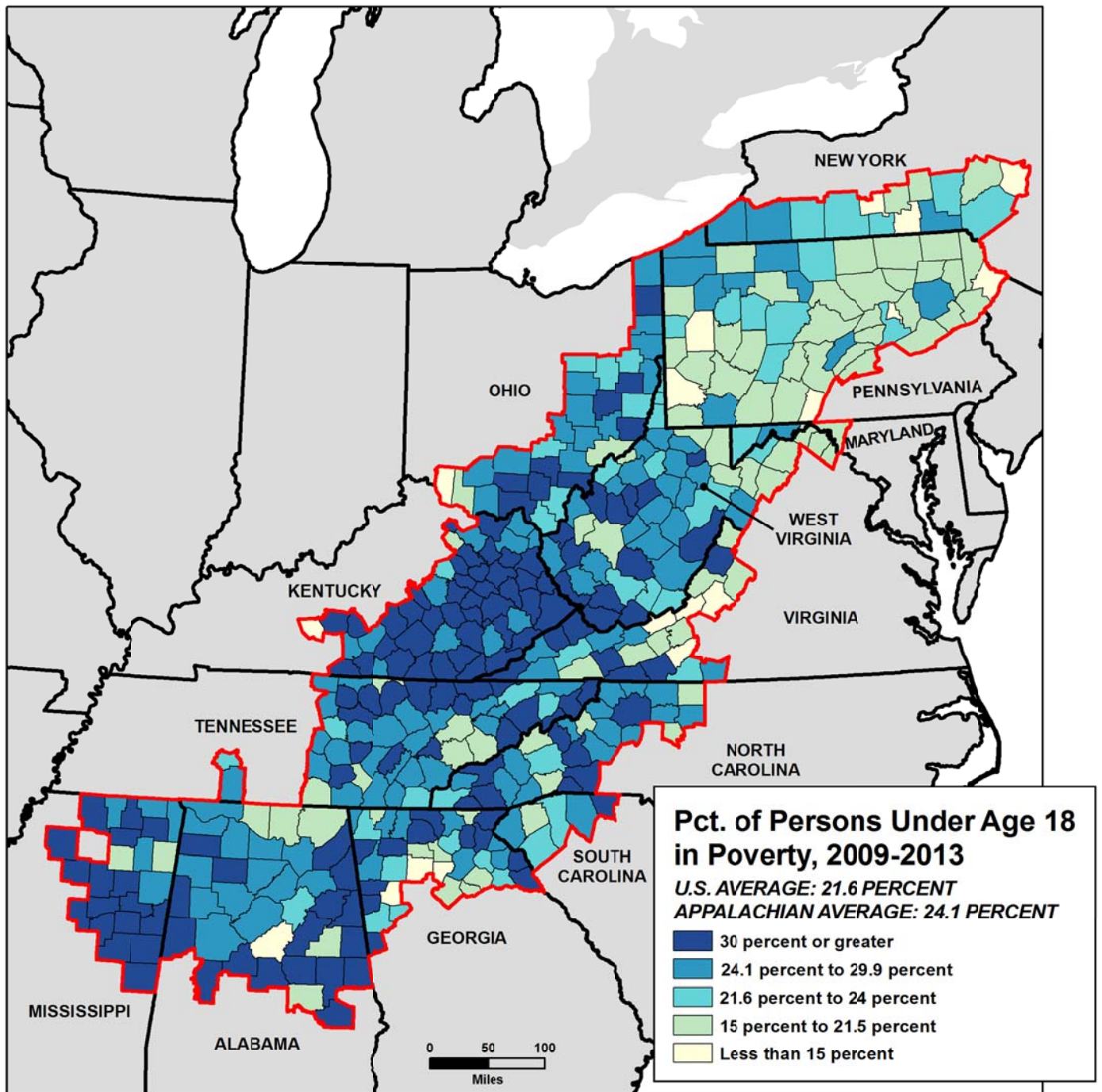
Map Title: Percent of Persons in the Appalachian Region in Poverty, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Over the 2009-2013 period (which includes the last six months of the economic recession), 17 percent of Appalachian residents lived below the poverty level (income below \$23,624 for a family of two adults and two children in 2013)—close to two percentage points above the U.S. average. Both rates are higher than they were in the 2000 Census, likely the result of the inability of incomes in the post-recovery period to completely return to pre-recession levels. But there is a great deal of variation within the Region: In 168 counties, at least 20 percent of persons were poor, yet in another 93 counties the poverty rate was lower than the national average. And there was a geographic and urban/rural pattern: Four-fifths of the counties with poverty rates at or above 20 percent were outside metropolitan areas, and they were overwhelmingly in Central, South Central, and Southern Appalachia. In contrast, the counties where poverty stood below the U.S. rate were mostly in metropolitan areas and/or in Northern Appalachia.



**Figure 7.7: Percent of Persons Under Age 18 in the Appalachian Region in Poverty, 2009-2013**



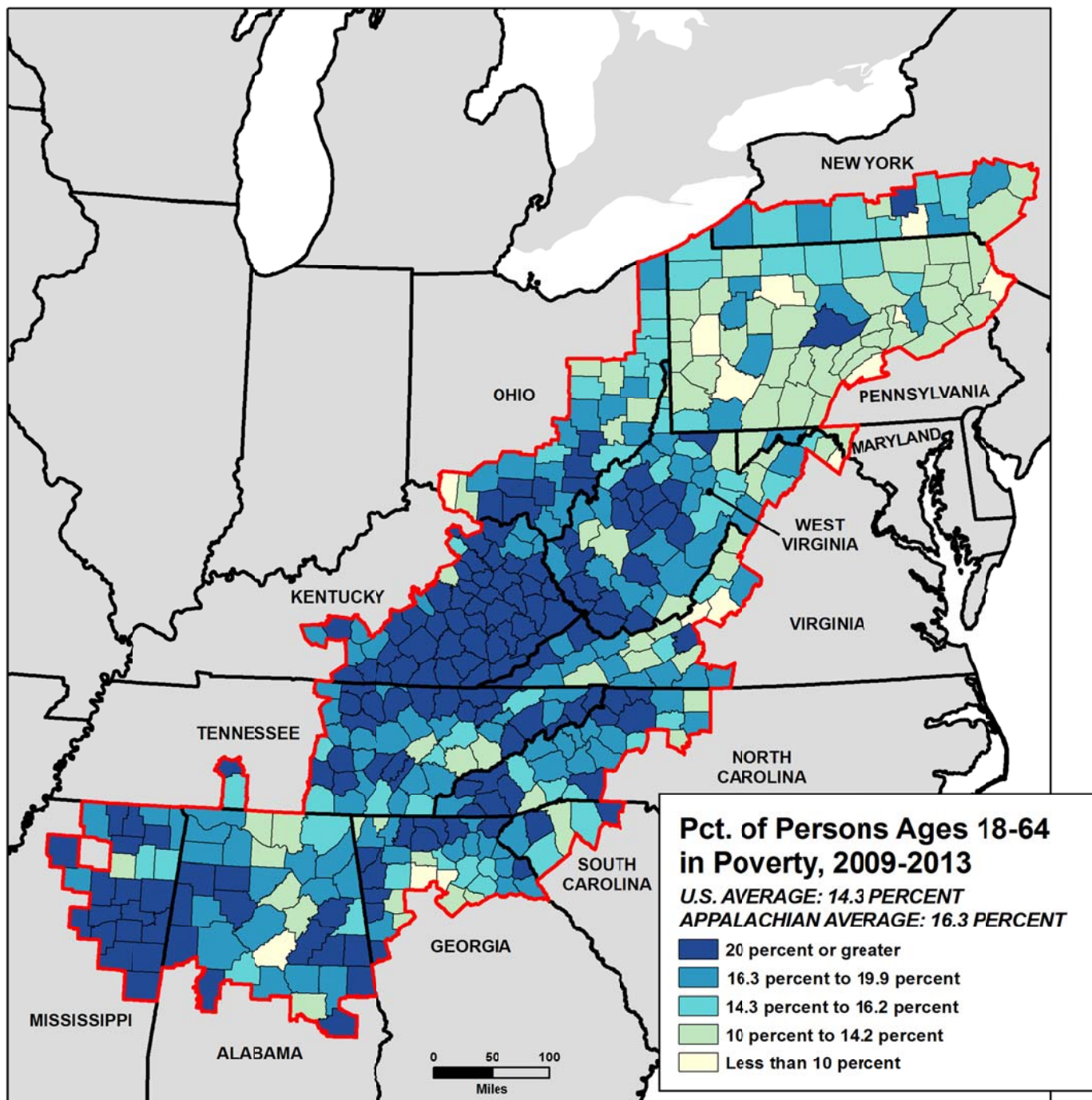
Map Title: Percent of Persons Under Age 18 in the Appalachian Region in Poverty, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Child poverty in the Appalachian Region was 24 percent in 2009-2013 (a period that includes six months of recession followed by a slow economic recovery); that is more than two percentage points above the national rate. And the problem is even more acute in some parts of Appalachia. In 142 counties, at least 30 percent of children under age 18 lived below the poverty level (income below \$23,624 for a family of two adults and two children in 2013). These counties were primarily outside metropolitan areas, and many were in the most isolated rural areas. Central Appalachia was home to two-fifths of the counties with the highest rates, while nearly all of the rest were in South Central and Southern Appalachia. However, there were 101 counties where child poverty rates were below the national average. Most of these were in metropolitan areas—including 16 of the 18 counties where child poverty was less than 15 percent.



**Figure 7.8: Percent of Persons Ages 18 to 64 in the Appalachian Region in Poverty, 2009-2013**

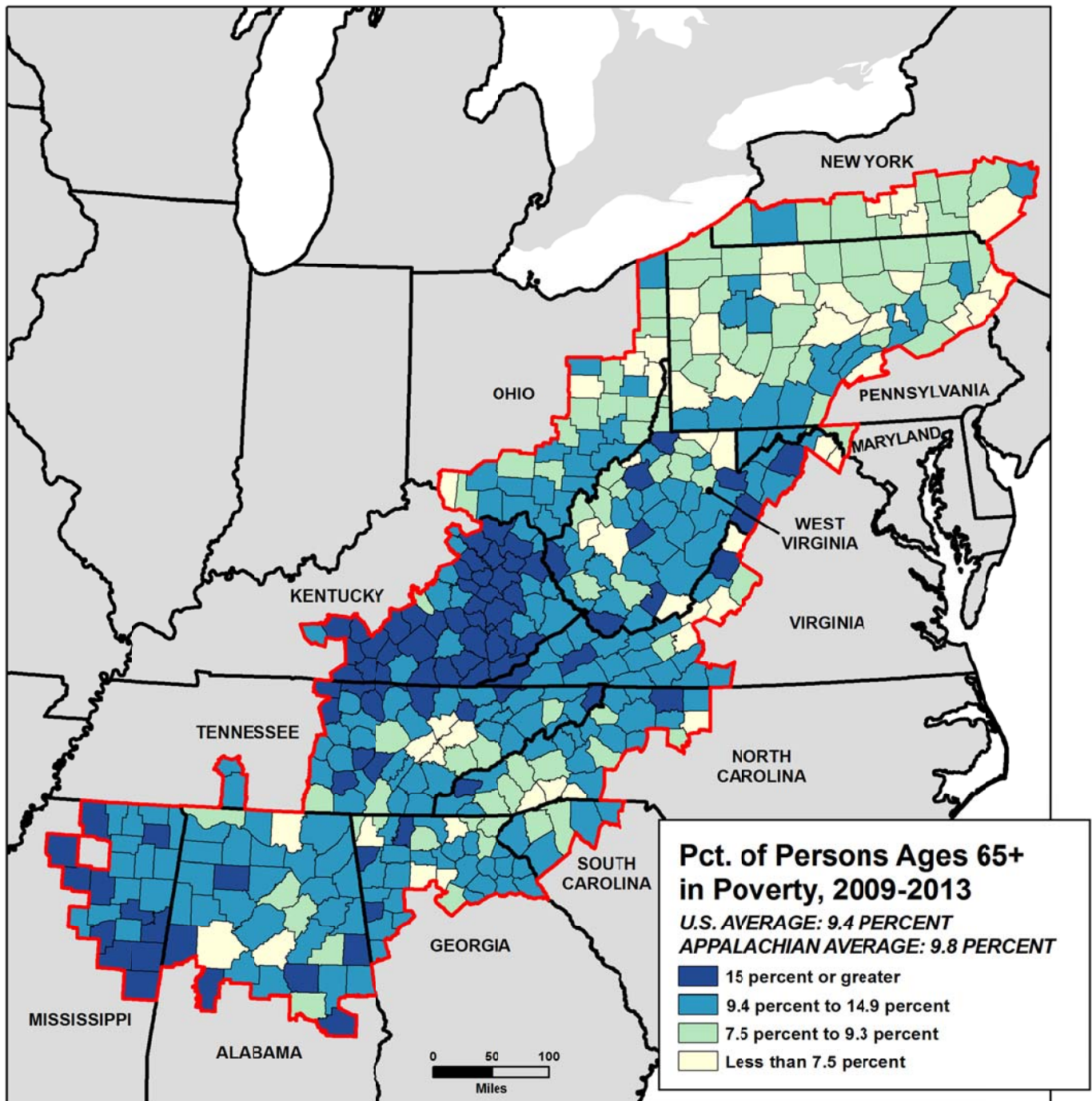


Map Title: Percent of Persons Ages 18 to 64 in the Appalachian Region in Poverty, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The poverty pattern among adults ages 18 to 64 in the Appalachian Region mirrored that for the overall population in the 2009-2013 period—although at slightly lower levels. Just over 16 percent of Appalachian residents in this age group were below poverty (income of less than \$23,624 for a family of two adults and two children in 2013), and this rate was two percentage points above the U.S. average. Within the Region, there were rural/urban and geographic patterns of poverty concentration. Of the 150 counties where at least one in five 18-to-64-year-olds was poor, 126 were outside metropolitan areas, and 128 were in Central, South Central, and Southern Appalachia. Conversely, all but a handful of the counties with rates below the national average were either in metro areas or in Northern Appalachia.

**Figure 7.9: Percent of Persons Ages 65 and Over in the Appalachian Region in Poverty, 2009-2013**



Map Title: Percent of Persons Ages 65 and Over in the Appalachian Region in Poverty, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The poverty rate for older residents of Appalachia was just under 10 percent in 2009-2013 (a period that includes the last six months of the 2007-2009 recession), only slightly above the national average. Yet the rate was actually lower than the national average in 139 counties, almost half of which were in Northern Appalachia alone. But as with other age groups, poverty was especially prevalent among the senior population in Central Appalachia, where roughly one in six older residents was poor in 2009-2013. Moreover, this subregion had more than half of Appalachia's 84 counties where the poverty rate among seniors was at least 15 percent. (Determined by a series of income thresholds based on family size and composition, the poverty level for a family of two adults and two children was \$23,624 in 2013.)

## CHAPTER 8: HEALTH INSURANCE COVERAGE

**Table 8.1: Number of Persons in the Appalachian Region Not Covered by Health Insurance, by Age Group, 2009-2013**

| Health Insurance Status               | All Ages          | Under Age 18     | Ages 18-24       | Ages 25-64        | Ages 65 and Over |
|---------------------------------------|-------------------|------------------|------------------|-------------------|------------------|
| <b>United States</b>                  | <b>45,569,665</b> | <b>5,614,174</b> | <b>7,980,481</b> | <b>31,582,382</b> | <b>392,628</b>   |
| <b>Appalachian Region</b>             | <b>3,399,036</b>  | <b>363,770</b>   | <b>594,081</b>   | <b>2,425,148</b>  | <b>16,037</b>    |
| <b>Subregions</b>                     |                   |                  |                  |                   |                  |
| Northern Appalachia                   | 812,660           | 95,222           | 142,473          | 569,675           | 5,290            |
| North Central Appalachia              | 329,758           | 28,358           | 60,682           | 239,540           | 1,178            |
| Central Appalachia                    | 300,516           | 24,247           | 55,719           | 219,697           | 853              |
| South Central Appalachia              | 687,256           | 64,022           | 115,632          | 505,522           | 2,080            |
| Southern Appalachia                   | 1,268,846         | 151,921          | 219,575          | 890,714           | 6,636            |
| <b>County Types</b>                   |                   |                  |                  |                   |                  |
| Large Metros (pop. 1 million +)       | 742,070           | 87,270           | 124,906          | 524,763           | 5,131            |
| Small Metros (pop. <1 million)        | 1,376,394         | 136,071          | 245,124          | 989,621           | 5,578            |
| Nonmetro, Adjacent to Large Metros    | 297,386           | 36,196           | 52,065           | 207,812           | 1,313            |
| Nonmetro, Adjacent to Small Metros    | 576,393           | 60,636           | 97,435           | 416,120           | 2,202            |
| Rural (nonmetro, not adj. to a metro) | 406,793           | 43,597           | 74,551           | 286,832           | 1,813            |
| <b>Alabama</b>                        | <b>655,394</b>    | <b>57,347</b>    | <b>125,234</b>   | <b>470,143</b>    | <b>2,670</b>     |
| Appalachian Alabama                   | 405,958           | 34,925           | 75,086           | 294,262           | 1,685            |
| Non-Appalachian Alabama               | 249,436           | 22,422           | 50,148           | 175,881           | 985              |
| <b>Georgia</b>                        | <b>1,822,057</b>  | <b>238,594</b>   | <b>323,557</b>   | <b>1,247,891</b>  | <b>12,015</b>    |
| Appalachian Georgia                   | 567,433           | 82,084           | 91,582           | 389,800           | 3,967            |
| Non-Appalachian Georgia               | 1,254,624         | 156,510          | 231,975          | 858,091           | 8,048            |
| <b>Kentucky</b>                       | <b>614,786</b>    | <b>60,540</b>    | <b>116,032</b>   | <b>436,201</b>    | <b>2,013</b>     |
| Appalachian Kentucky                  | 197,722           | 16,951           | 37,883           | 142,297           | 591              |
| Non-Appalachian Kentucky              | 417,064           | 43,589           | 78,149           | 293,904           | 1,422            |
| <b>Maryland</b>                       | <b>602,791</b>    | <b>59,489</b>    | <b>101,351</b>   | <b>432,966</b>    | <b>8,985</b>     |
| Appalachian Maryland                  | 23,415            | 2,167            | 3,855            | 17,101            | 292              |
| Non-Appalachian Maryland              | 579,376           | 57,322           | 97,496           | 415,865           | 8,693            |
| <b>Mississippi</b>                    | <b>507,514</b>    | <b>61,638</b>    | <b>97,509</b>    | <b>347,158</b>    | <b>1,209</b>     |
| Appalachian Mississippi               | 101,889           | 10,393           | 20,617           | 70,652            | 227              |
| Non-Appalachian Mississippi           | 405,625           | 51,245           | 76,892           | 276,506           | 982              |
| <b>New York</b>                       | <b>2,143,603</b>  | <b>184,979</b>   | <b>365,300</b>   | <b>1,566,244</b>  | <b>27,080</b>    |
| Appalachian New York                  | 95,617            | 13,318           | 18,475           | 63,371            | 453              |
| Non-Appalachian New York              | 2,047,986         | 171,661          | 346,825          | 1,502,873         | 26,627           |
| <b>North Carolina</b>                 | <b>1,529,230</b>  | <b>168,752</b>   | <b>258,233</b>   | <b>1,095,143</b>  | <b>7,102</b>     |
| Appalachian North Carolina            | 279,503           | 27,639           | 45,948           | 205,068           | 848              |
| Non-Appalachian North Carolina        | 1,249,727         | 141,113          | 212,285          | 890,075           | 6,254            |
| <b>Ohio</b>                           | <b>1,317,967</b>  | <b>153,098</b>   | <b>228,901</b>   | <b>928,297</b>    | <b>7,671</b>     |
| Appalachian Ohio                      | 265,638           | 35,908           | 44,390           | 183,341           | 1,999            |
| Non-Appalachian Ohio                  | 1,052,329         | 117,190          | 184,511          | 744,956           | 5,672            |
| <b>Pennsylvania</b>                   | <b>1,229,005</b>  | <b>145,138</b>   | <b>220,055</b>   | <b>853,882</b>    | <b>9,930</b>     |
| Appalachian Pennsylvania              | 526,189           | 55,824           | 93,794           | 373,601           | 2,970            |
| Non-Appalachian Pennsylvania          | 702,816           | 89,314           | 126,261          | 480,281           | 6,960            |
| <b>South Carolina</b>                 | <b>761,843</b>    | <b>91,316</b>    | <b>131,992</b>   | <b>535,007</b>    | <b>3,528</b>     |
| Appalachian South Carolina            | 193,566           | 24,519           | 32,290           | 136,000           | 757              |
| Non-Appalachian South Carolina        | 568,277           | 66,797           | 99,702           | 399,007           | 2,771            |
| <b>Tennessee</b>                      | <b>887,807</b>    | <b>84,265</b>    | <b>149,280</b>   | <b>650,170</b>    | <b>4,092</b>     |
| Appalachian Tennessee                 | 382,034           | 33,226           | 63,455           | 284,163           | 1,190            |
| Non-Appalachian Tennessee             | 505,773           | 51,039           | 85,825           | 366,007           | 2,902            |
| <b>Virginia</b>                       | <b>973,047</b>    | <b>110,620</b>   | <b>170,366</b>   | <b>682,669</b>    | <b>9,392</b>     |
| Appalachian Virginia                  | 98,552            | 8,290            | 18,761           | 71,253            | 248              |
| Non-Appalachian Virginia              | 874,495           | 102,330          | 151,605          | 611,416           | 9,144            |
| <b>West Virginia (entire state)</b>   | <b>261,520</b>    | <b>18,526</b>    | <b>47,945</b>    | <b>194,239</b>    | <b>810</b>       |

Note: The health insurance universe consists of the civilian noninstitutional population.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.



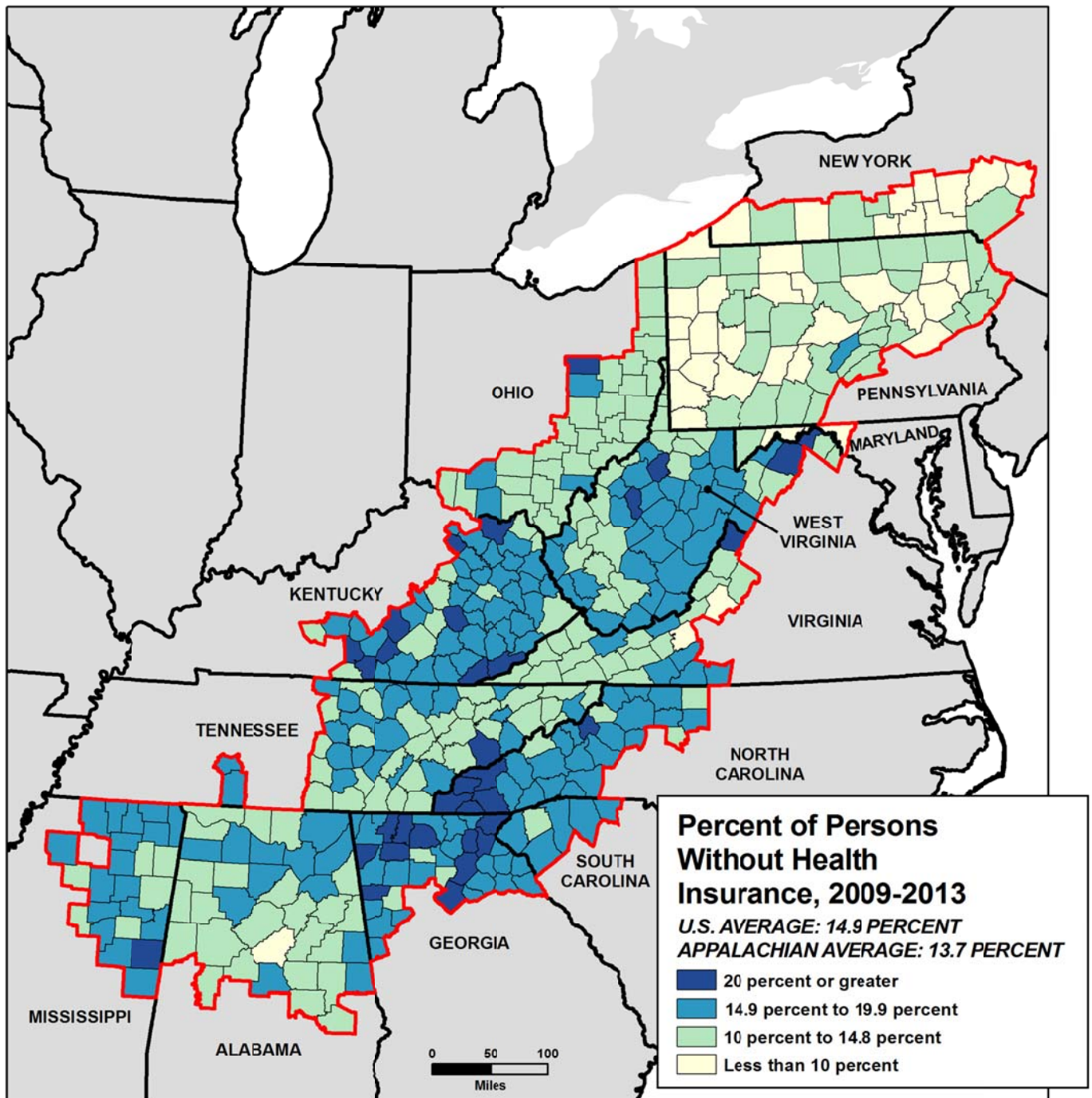
**Table 8.2: Percent of Persons in the Appalachian Region Not Covered by Health Insurance, by Age Group, 2009-2013**

| Health Insurance Status               | All Ages    | Under Age 18 | Ages 18-24  | Ages 25-64  | Ages 65 and Over |
|---------------------------------------|-------------|--------------|-------------|-------------|------------------|
| <b>United States</b>                  | <b>14.9</b> | <b>7.6</b>   | <b>26.4</b> | <b>19.5</b> | <b>1.0</b>       |
| <b>Appalachian Region</b>             | <b>13.7</b> | <b>6.5</b>   | <b>24.5</b> | <b>18.6</b> | <b>0.4</b>       |
| <b>Subregions</b>                     |             |              |             |             |                  |
| Northern Appalachia                   | 9.9         | 5.5          | 17.2        | 13.3        | 0.4              |
| North Central Appalachia              | 13.9        | 5.4          | 26.3        | 19.0        | 0.3              |
| Central Appalachia                    | 16.0        | 5.8          | 33.8        | 21.9        | 0.3              |
| South Central Appalachia              | 14.7        | 6.4          | 25.1        | 20.7        | 0.3              |
| Southern Appalachia                   | 16.3        | 7.9          | 29.6        | 21.8        | 0.7              |
| <b>County Types</b>                   |             |              |             |             |                  |
| Large Metros (pop. 1 million +)       | 12.7        | 6.3          | 24.3        | 16.7        | 0.7              |
| Small Metros (pop. <1 million)        | 13.1        | 5.9          | 22.3        | 18.0        | 0.3              |
| Nonmetro, Adjacent to Large Metros    | 13.8        | 7.4          | 24.3        | 18.6        | 0.4              |
| Nonmetro, Adjacent to Small Metros    | 14.7        | 7.1          | 27.9        | 20.5        | 0.3              |
| Rural (nonmetro, not adj. to a metro) | 16.3        | 7.8          | 30.3        | 22.2        | 0.5              |
| <b>Alabama</b>                        | <b>13.9</b> | <b>5.1</b>   | <b>26.5</b> | <b>19.1</b> | <b>0.4</b>       |
| Appalachian Alabama                   | 13.4        | 4.9          | 25.4        | 18.4        | 0.4              |
| Non-Appalachian Alabama               | 14.8        | 5.5          | 28.3        | 20.4        | 0.4              |
| <b>Georgia</b>                        | <b>19.0</b> | <b>9.6</b>   | <b>33.8</b> | <b>24.4</b> | <b>1.1</b>       |
| Appalachian Georgia                   | 19.3        | 10.3         | 35.5        | 24.8        | 1.2              |
| Non-Appalachian Georgia               | 18.8        | 9.3          | 33.2        | 24.3        | 1.1              |
| <b>Kentucky</b>                       | <b>14.4</b> | <b>5.9</b>   | <b>28.6</b> | <b>19.2</b> | <b>0.4</b>       |
| Appalachian Kentucky                  | 17.1        | 6.4          | 35.2        | 23.1        | 0.3              |
| Non-Appalachian Kentucky              | 13.4        | 5.8          | 26.2        | 17.7        | 0.4              |
| <b>Maryland</b>                       | <b>10.5</b> | <b>4.4</b>   | <b>18.6</b> | <b>13.8</b> | <b>1.3</b>       |
| Appalachian Maryland                  | 9.8         | 4.1          | 16.9        | 13.7        | 0.8              |
| Non-Appalachian Maryland              | 10.5        | 4.4          | 18.7        | 13.8        | 1.3              |
| <b>Mississippi</b>                    | <b>17.4</b> | <b>8.3</b>   | <b>32.7</b> | <b>23.4</b> | <b>0.3</b>       |
| Appalachian Mississippi               | 16.5        | 6.8          | 30.3        | 22.7        | 0.3              |
| Non-Appalachian Mississippi           | 17.7        | 8.6          | 33.4        | 23.5        | 0.3              |
| <b>New York</b>                       | <b>11.1</b> | <b>4.3</b>   | <b>18.7</b> | <b>15.1</b> | <b>1.0</b>       |
| Appalachian New York                  | 9.1         | 6.1          | 13.6        | 12.0        | 0.3              |
| Non-Appalachian New York              | 11.3        | 4.2          | 19.1        | 15.2        | 1.1              |
| <b>North Carolina</b>                 | <b>16.2</b> | <b>7.4</b>   | <b>28.3</b> | <b>21.9</b> | <b>0.6</b>       |
| Appalachian North Carolina            | 16.6        | 7.7          | 29.4        | 23.3        | 0.3              |
| Non-Appalachian North Carolina        | 16.1        | 7.4          | 28.0        | 21.6        | 0.6              |
| <b>Ohio</b>                           | <b>11.6</b> | <b>5.7</b>   | <b>21.0</b> | <b>15.5</b> | <b>0.5</b>       |
| Appalachian Ohio                      | 13.3        | 7.8          | 24.8        | 17.6        | 0.6              |
| Non-Appalachian Ohio                  | 11.2        | 5.3          | 20.3        | 15.0        | 0.4              |
| <b>Pennsylvania</b>                   | <b>9.8</b>  | <b>5.3</b>   | <b>17.8</b> | <b>12.9</b> | <b>0.5</b>       |
| Appalachian Pennsylvania              | 9.3         | 4.8          | 16.6        | 12.6        | 0.3              |
| Non-Appalachian Pennsylvania          | 10.2        | 5.6          | 18.8        | 13.2        | 0.7              |
| <b>South Carolina</b>                 | <b>16.6</b> | <b>8.5</b>   | <b>28.9</b> | <b>22.3</b> | <b>0.5</b>       |
| Appalachian South Carolina            | 16.5        | 8.9          | 26.8        | 22.3        | 0.5              |
| Non-Appalachian South Carolina        | 16.7        | 8.4          | 29.7        | 22.3        | 0.6              |
| <b>Tennessee</b>                      | <b>14.1</b> | <b>5.7</b>   | <b>24.7</b> | <b>19.4</b> | <b>0.5</b>       |
| Appalachian Tennessee                 | 13.8        | 5.5          | 24.6        | 19.5        | 0.3              |
| Non-Appalachian Tennessee             | 14.3        | 5.8          | 24.9        | 19.3        | 0.7              |
| <b>Virginia</b>                       | <b>12.3</b> | <b>6.0</b>   | <b>22.3</b> | <b>16.0</b> | <b>0.9</b>       |
| Appalachian Virginia                  | 13.1        | 5.6          | 21.2        | 18.4        | 0.2              |
| Non-Appalachian Virginia              | 12.3        | 6.0          | 22.5        | 15.8        | 1.1              |
| <b>West Virginia (entire state)</b>   | <b>14.3</b> | <b>4.8</b>   | <b>28.3</b> | <b>19.9</b> | <b>0.3</b>       |

Note: The health insurance universe consists of the civilian noninstitutional population.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 8.1: Percent of Persons in the Appalachian Region Not Covered by Health Insurance, 2009-2013**

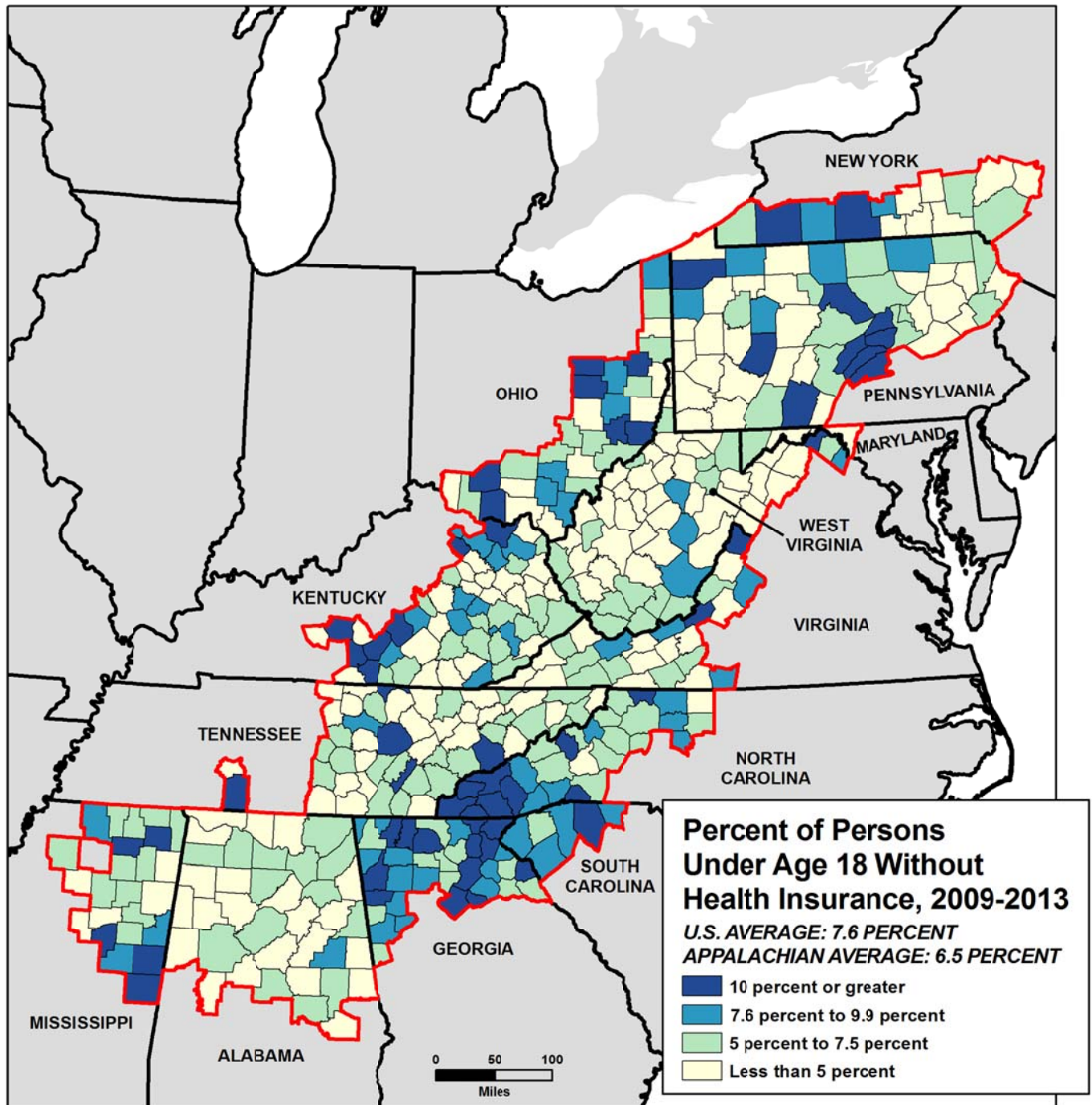


Map Title: Percent of Persons in the Appalachian Region Not Covered by Health Insurance, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Nearly 3.4 million persons in the Appalachian Region were without any kind of health insurance coverage in the 2009-2013 period—a figure representing almost 14 percent of Appalachia's residents. Although the percentage for the Region is slightly lower than the U.S. rate of 15 percent, almost half of the 420 Appalachian counties had non-coverage rates that matched or exceeded the national average. In 34 Appalachian counties, at least one in five residents were not covered by insurance; all but one of these were either outside metropolitan areas or in Southern, Central, and South Central Appalachia. At the other end of the spectrum, 39 counties had uninsured rates below 10 percent, and 36 of these were in Northern Appalachia.

**Figure 8.2: Percent of Persons Under Age 18 in the Appalachian Region Not Covered by Health Insurance, 2009-2013**

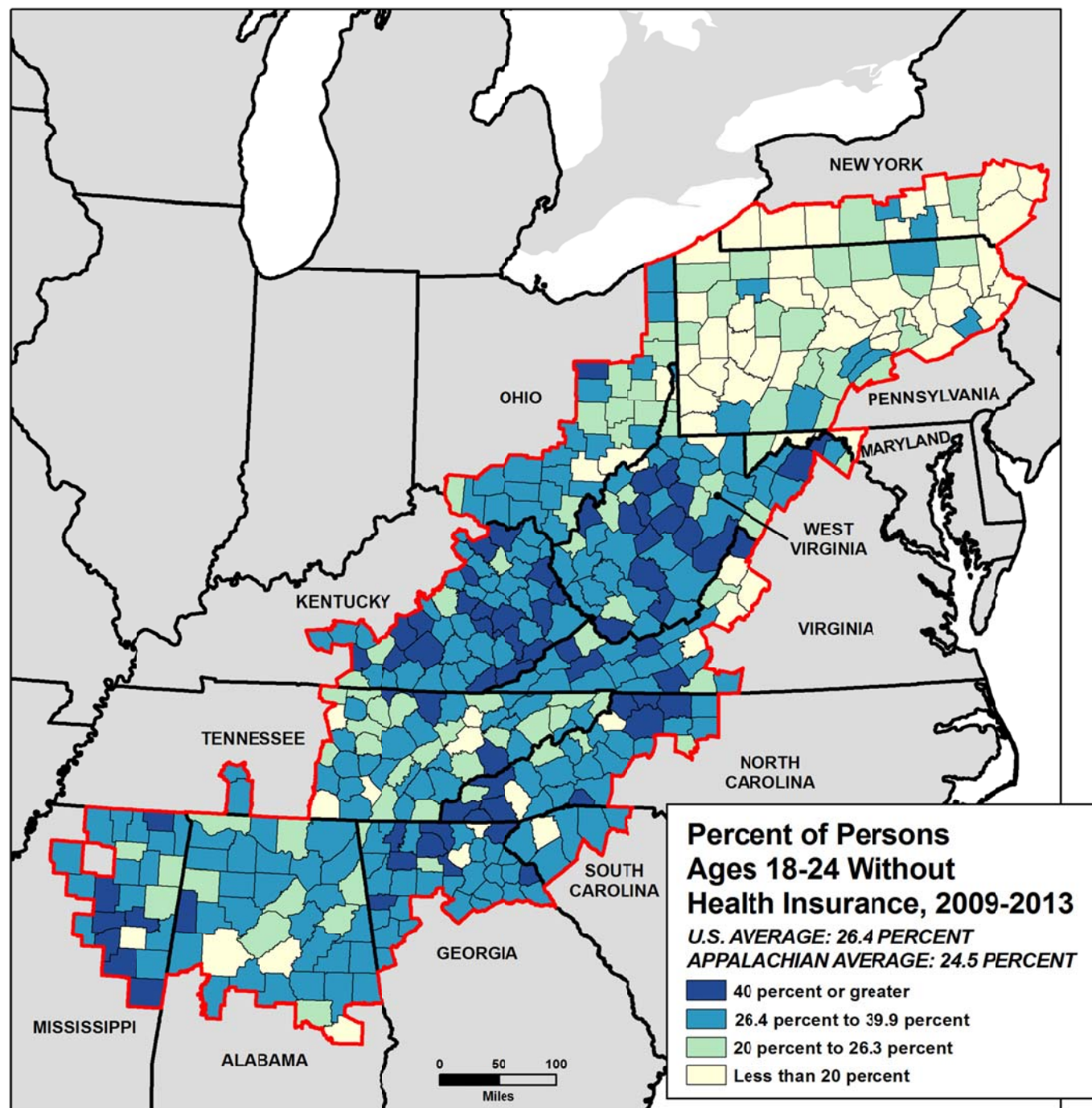


Map Title: Percent of Persons Under Age 18 in the Appalachian Region Not Covered by Health Insurance, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Less than 7 percent of Appalachia's children under age 18 were uninsured during 2009-2013, a full percentage point below the national average. Still, the rate varied throughout the Region. On one hand, 166 counties had non-coverage rates under 5 percent; these were spread geographically throughout the Region. Conversely, at least one in 10 children lacked health insurance in 61 other counties. All but a handful of counties in the latter group were outside metropolitan areas, and most were in Southern or South Central Appalachia.



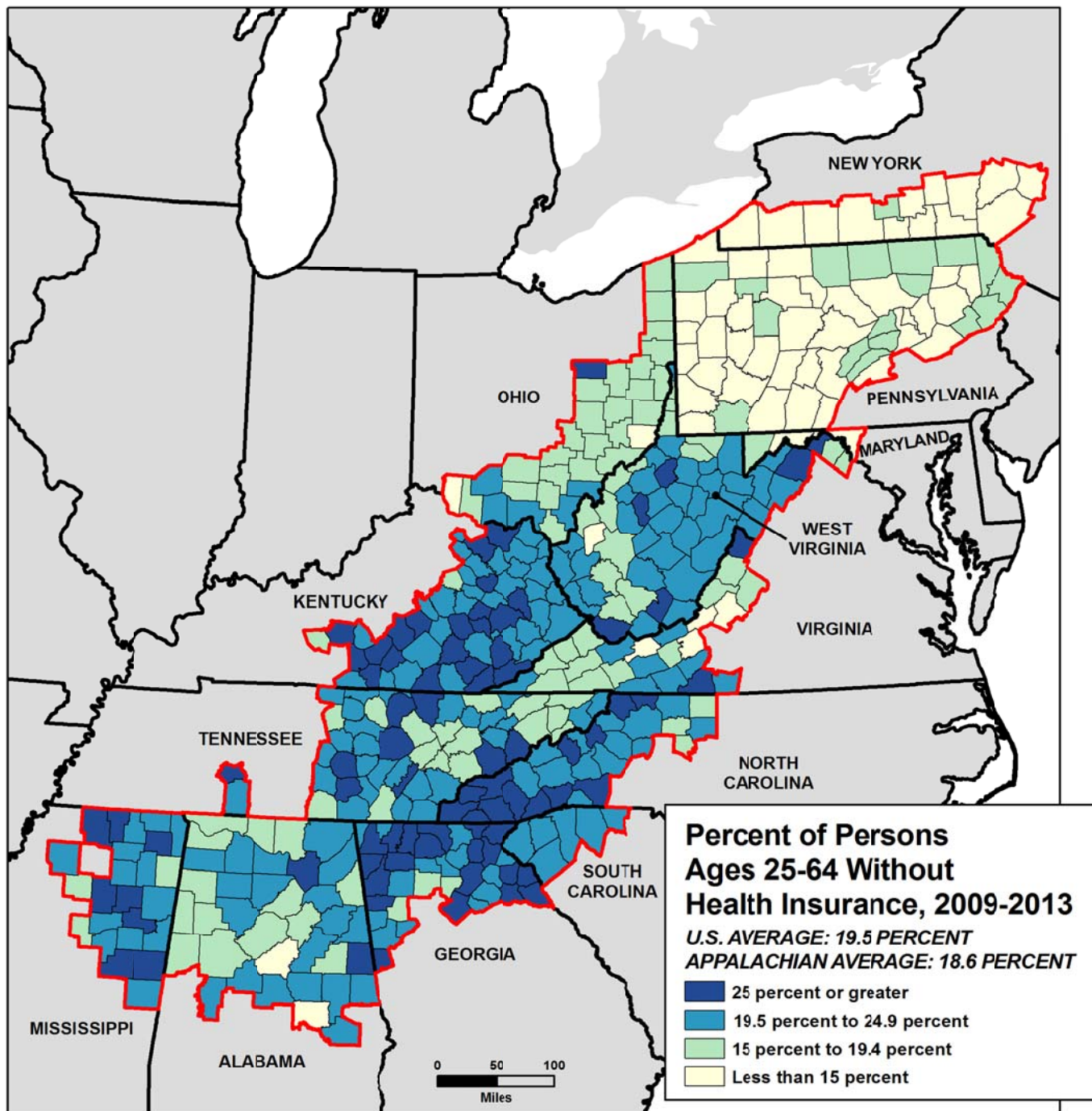
**Figure 8.3: Percent of Persons Ages 18 to 24 in the Appalachian Region Not Covered by Health Insurance, 2009-2013**



Map Title: Percent of Persons Ages 18 to 24 in the Appalachian Region Not Covered by Health Insurance, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Lack of health insurance coverage was highest among young adults—one in four Appalachian residents ages 18 to 24 were uninsured during the 2009-2013 period. Although Appalachia's rate as a whole was slightly lower than the national average, the non-coverage problem was especially prevalent in much of Central and Southern Appalachia, as well as in the Region's most rural counties: One-third of young adults in Central Appalachia were without coverage, and the share was nearly as large in the other two areas. This situation was especially dire in 68 counties, where non-coverage rates among 18-to-24-year-olds were 40 percent or higher. Among these counties, 53 were in Southern, South Central, and Central Appalachia, and 63 were outside metropolitan areas. In contrast, there were 65 Appalachian counties where less than 20 percent of young adults had no health insurance; most of these were in metro areas and/or had a four-year college or university within their boundaries.

**Figure 8.4: Percent of Persons Ages 25 to 64 in the Appalachian Region Not Covered by Health Insurance, 2009-2013**



Map Title: Percent of Persons Ages 25 to 64 in the Appalachian Region Not Covered by Health Insurance, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Just under 19 percent of Appalachia's working-age population were not covered by health insurance during the 2009-2013 period. While this rate was slightly below that for the nation, there was great variation within the Region. For example, more than one-fifth of 25-to-64-year-olds in Central, Southern, and South Central Appalachia were uninsured; these subregions accounted for 76 of the 82 counties with non-coverage rates of 25 percent or greater for this age group. By comparison, Northern Appalachia had 50 of the 59 counties where less than 15 percent of the working-age residents were not insured.

## CHAPTER 9: DISABILITY STATUS

**Table 9.1: Number of Persons in the Appalachian Region With a Disability, by Age Group, 2009-2013**

| Disability Status                     | All Ages          | Under Age 18     | Ages 18-64        |                  |                   | Ages 65 and Over  |
|---------------------------------------|-------------------|------------------|-------------------|------------------|-------------------|-------------------|
|                                       |                   |                  | Total             | Ages 18-34       | Ages 35-64        |                   |
| <b>United States</b>                  | <b>37,168,880</b> | <b>2,972,823</b> | <b>19,403,946</b> | <b>3,958,549</b> | <b>15,445,397</b> | <b>14,792,111</b> |
| <b>Appalachian Region</b>             | <b>3,913,226</b>  | <b>274,112</b>   | <b>2,131,130</b>  | <b>389,614</b>   | <b>1,741,516</b>  | <b>1,507,984</b>  |
| <b>Subregions</b>                     |                   |                  |                   |                  |                   |                   |
| Northern Appalachia                   | 1,197,511         | 91,518           | 610,029           | 121,034          | 488,995           | 495,964           |
| North Central Appalachia              | 421,695           | 28,366           | 236,934           | 43,672           | 193,262           | 156,395           |
| Central Appalachia                    | 432,851           | 25,531           | 264,105           | 41,991           | 222,114           | 143,215           |
| South Central Appalachia              | 765,948           | 49,174           | 412,683           | 71,777           | 340,906           | 304,091           |
| Southern Appalachia                   | 1,095,221         | 79,523           | 607,379           | 111,140          | 496,239           | 408,319           |
| <b>County Types</b>                   |                   |                  |                   |                  |                   |                   |
| Large Metros (pop. 1 million +)       | 739,720           | 58,096           | 393,743           | 76,654           | 317,089           | 287,881           |
| Small Metros (pop. <1 million)        | 1,602,506         | 112,028          | 867,542           | 164,989          | 702,553           | 622,936           |
| Nonmetro, Adjacent to Large Metros    | 354,217           | 26,371           | 191,768           | 33,880           | 157,888           | 136,078           |
| Nonmetro, Adjacent to Small Metros    | 715,981           | 47,351           | 390,326           | 66,240           | 324,086           | 278,304           |
| Rural (nonmetro, not adj. to a metro) | 500,802           | 30,266           | 287,751           | 47,851           | 239,900           | 182,785           |
| <b>Alabama</b>                        | <b>766,399</b>    | <b>54,595</b>    | <b>427,513</b>    | <b>78,666</b>    | <b>348,847</b>    | <b>284,291</b>    |
| Appalachian Alabama                   | 482,379           | 32,320           | 269,697           | 48,342           | 221,355           | 180,362           |
| Non-Appalachian Alabama               | 284,020           | 22,275           | 157,816           | 30,324           | 127,492           | 103,929           |
| <b>Georgia</b>                        | <b>1,147,708</b>  | <b>97,412</b>    | <b>639,843</b>    | <b>127,911</b>   | <b>511,932</b>    | <b>410,453</b>    |
| Appalachian Georgia                   | 339,128           | 29,029           | 186,062           | 35,725           | 150,337           | 124,037           |
| Non-Appalachian Georgia               | 808,580           | 68,383           | 453,781           | 92,186           | 361,595           | 286,416           |
| <b>Kentucky</b>                       | <b>717,889</b>    | <b>56,566</b>    | <b>417,332</b>    | <b>79,892</b>    | <b>337,440</b>    | <b>243,991</b>    |
| Appalachian Kentucky                  | 261,857           | 17,212           | 161,019           | 27,325           | 133,694           | 83,626            |
| Non-Appalachian Kentucky              | 456,032           | 39,354           | 256,313           | 52,567           | 203,746           | 160,365           |
| <b>Maryland</b>                       | <b>588,940</b>    | <b>49,771</b>    | <b>302,772</b>    | <b>62,712</b>    | <b>240,060</b>    | <b>236,397</b>    |
| Appalachian Maryland                  | 37,560            | 3,349            | 20,066            | 4,472            | 15,594            | 14,145            |
| Non-Appalachian Maryland              | 551,380           | 46,422           | 282,706           | 58,240           | 224,466           | 222,252           |
| <b>Mississippi</b>                    | <b>474,886</b>    | <b>35,497</b>    | <b>266,622</b>    | <b>49,684</b>    | <b>216,938</b>    | <b>172,767</b>    |
| Appalachian Mississippi               | 109,434           | 6,714            | 61,686            | 10,777           | 50,909            | 41,034            |
| Non-Appalachian Mississippi           | 365,452           | 28,783           | 204,936           | 38,907           | 166,029           | 131,733           |
| <b>New York</b>                       | <b>2,090,781</b>  | <b>156,991</b>   | <b>1,047,508</b>  | <b>214,209</b>   | <b>833,299</b>    | <b>886,282</b>    |
| Appalachian New York                  | 143,867           | 12,514           | 74,913            | 16,155           | 58,758            | 56,440            |
| Non-Appalachian New York              | 1,946,914         | 144,477          | 972,595           | 198,054          | 774,541           | 829,842           |
| <b>North Carolina</b>                 | <b>1,253,681</b>  | <b>100,359</b>   | <b>674,893</b>    | <b>126,529</b>   | <b>548,364</b>    | <b>478,429</b>    |
| Appalachian North Carolina            | 254,573           | 16,540           | 131,935           | 22,711           | 109,224           | 106,098           |
| Non-Appalachian North Carolina        | 999,108           | 83,819           | 542,958           | 103,818          | 439,140           | 372,331           |
| <b>Ohio</b>                           | <b>1,515,538</b>  | <b>129,675</b>   | <b>811,763</b>    | <b>165,358</b>   | <b>646,405</b>    | <b>574,100</b>    |
| Appalachian Ohio                      | 315,355           | 24,176           | 173,065           | 32,102           | 140,963           | 118,114           |
| Non-Appalachian Ohio                  | 1,200,183         | 105,499          | 638,698           | 133,256          | 505,442           | 455,986           |
| <b>Pennsylvania</b>                   | <b>1,651,733</b>  | <b>136,833</b>   | <b>839,281</b>    | <b>172,896</b>   | <b>666,385</b>    | <b>675,619</b>    |
| Appalachian Pennsylvania              | 828,154           | 62,340           | 415,892           | 82,410           | 333,482           | 349,922           |
| Non-Appalachian Pennsylvania          | 823,579           | 74,493           | 423,389           | 90,486           | 332,903           | 325,697           |
| <b>South Carolina</b>                 | <b>637,041</b>    | <b>43,233</b>    | <b>348,831</b>    | <b>62,773</b>    | <b>286,058</b>    | <b>244,977</b>    |
| Appalachian South Carolina            | 164,280           | 11,460           | 89,934            | 16,296           | 73,638            | 62,886            |
| Non-Appalachian South Carolina        | 472,761           | 31,773           | 258,897           | 46,477           | 212,420           | 182,091           |
| <b>Tennessee</b>                      | <b>953,492</b>    | <b>67,713</b>    | <b>535,421</b>    | <b>97,739</b>    | <b>437,682</b>    | <b>350,358</b>    |
| Appalachian Tennessee                 | 487,447           | 31,725           | 271,545           | 46,522           | 225,023           | 184,177           |
| Non-Appalachian Tennessee             | 466,045           | 35,988           | 263,876           | 51,217           | 212,659           | 166,181           |
| <b>Virginia</b>                       | <b>864,380</b>    | <b>66,472</b>    | <b>453,544</b>    | <b>91,636</b>    | <b>361,908</b>    | <b>344,364</b>    |
| Appalachian Virginia                  | 140,726           | 6,468            | 78,202            | 12,524           | 65,678            | 56,056            |
| Non-Appalachian Virginia              | 723,654           | 60,004           | 375,342           | 79,112           | 296,230           | 288,308           |
| <b>West Virginia (entire state)</b>   | <b>348,466</b>    | <b>20,265</b>    | <b>197,114</b>    | <b>34,253</b>    | <b>162,861</b>    | <b>131,087</b>    |

Note: The ACS defines persons with a disability as having difficulty in at least one of the following six areas: hearing, vision, cognition, walking or climbing, self-care, or attending to the functions of independent living. The disability universe consists of the civilian noninstitutional population.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.



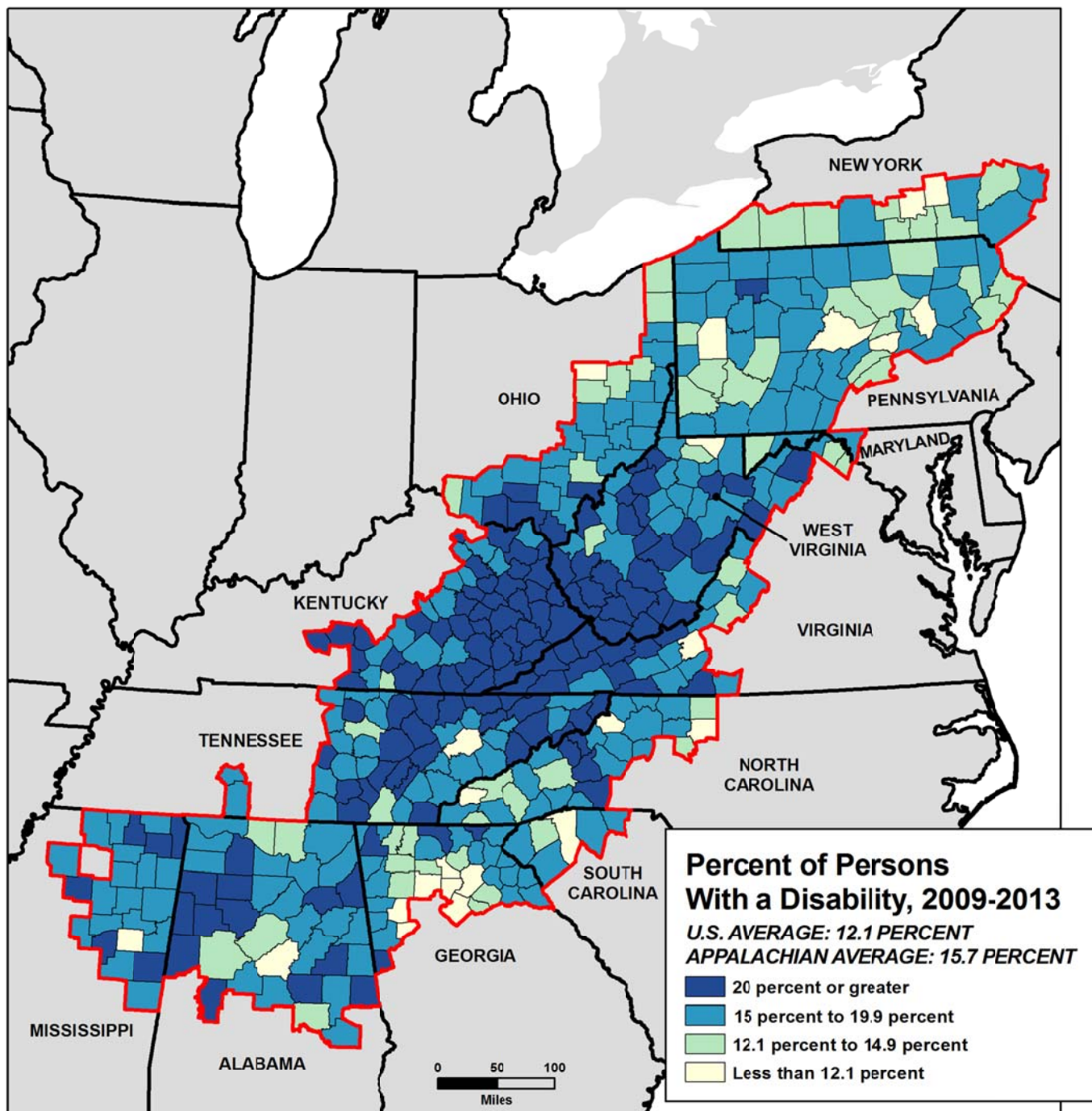
**Table 9.2: Percent of Persons in the Appalachian Region With a Disability, by Age Group, 2009-2013**

| Disability Status                     | All Ages    | Under Age 18 | Ages 18-64  |            |             | Ages 65 and Over |
|---------------------------------------|-------------|--------------|-------------|------------|-------------|------------------|
|                                       |             |              | Total       | Ages 18-34 | Ages 35-64  |                  |
| <b>United States</b>                  | <b>12.1</b> | <b>4.0</b>   | <b>10.1</b> | <b>5.6</b> | <b>12.7</b> | <b>36.5</b>      |
| <b>Appalachian Region</b>             | <b>15.7</b> | <b>4.9</b>   | <b>13.8</b> | <b>7.3</b> | <b>17.1</b> | <b>39.7</b>      |
| <b>Subregions</b>                     |             |              |             |            |             |                  |
| Northern Appalachia                   | 14.6        | 5.3          | 12.0        | 7.0        | 14.5        | 36.1             |
| North Central Appalachia              | 17.7        | 5.4          | 15.9        | 8.6        | 19.7        | 42.5             |
| Central Appalachia                    | 23.1        | 6.1          | 22.6        | 11.0       | 28.3        | 50.0             |
| South Central Appalachia              | 16.4        | 4.9          | 14.2        | 7.2        | 17.8        | 39.3             |
| Southern Appalachia                   | 14.1        | 4.1          | 12.6        | 6.5        | 15.9        | 40.9             |
| <b>County Types</b>                   |             |              |             |            |             |                  |
| Large Metros (pop. 1 million +)       | 12.7        | 4.2          | 10.8        | 6.1        | 13.1        | 36.8             |
| Small Metros (pop. <1 million)        | 15.3        | 4.9          | 13.2        | 7.1        | 16.5        | 38.9             |
| Nonmetro, Adjacent to Large Metros    | 16.4        | 5.4          | 14.4        | 7.5        | 18.0        | 39.8             |
| Nonmetro, Adjacent to Small Metros    | 18.3        | 5.6          | 16.4        | 8.6        | 20.1        | 41.4             |
| Rural (nonmetro, not adj. to a metro) | 20.1        | 5.4          | 18.7        | 9.1        | 23.7        | 45.5             |
| <b>Alabama</b>                        | <b>16.2</b> | <b>4.9</b>   | <b>14.6</b> | <b>7.4</b> | <b>18.7</b> | <b>43.0</b>      |
| Appalachian Alabama                   | 15.9        | 4.6          | 14.2        | 7.1        | 18.2        | 42.6             |
| Non-Appalachian Alabama               | 16.8        | 5.4          | 15.2        | 7.8        | 19.5        | 43.8             |
| <b>Georgia</b>                        | <b>11.9</b> | <b>3.9</b>   | <b>10.5</b> | <b>5.7</b> | <b>13.4</b> | <b>38.7</b>      |
| Appalachian Georgia                   | 11.5        | 3.7          | 10.2        | 5.7        | 12.5        | 38.5             |
| Non-Appalachian Georgia               | 12.1        | 4.0          | 10.7        | 5.7        | 13.8        | 38.8             |
| <b>Kentucky</b>                       | <b>16.8</b> | <b>5.6</b>   | <b>15.6</b> | <b>8.4</b> | <b>19.5</b> | <b>42.5</b>      |
| Appalachian Kentucky                  | 22.6        | 6.5          | 22.3        | 11.2       | 27.9        | 49.5             |
| Non-Appalachian Kentucky              | 14.6        | 5.2          | 13.1        | 7.5        | 16.3        | 39.5             |
| <b>Maryland</b>                       | <b>10.3</b> | <b>3.7</b>   | <b>8.2</b>  | <b>4.8</b> | <b>10.1</b> | <b>33.1</b>      |
| Appalachian Maryland                  | 15.7        | 6.3          | 13.6        | 9.0        | 16.0        | 36.7             |
| Non-Appalachian Maryland              | 10.0        | 3.6          | 8.0         | 4.6        | 9.9         | 32.9             |
| <b>Mississippi</b>                    | <b>16.3</b> | <b>4.8</b>   | <b>14.9</b> | <b>7.4</b> | <b>19.5</b> | <b>45.6</b>      |
| Appalachian Mississippi               | 17.7        | 4.4          | 16.3        | 7.6        | 21.5        | 46.7             |
| Non-Appalachian Mississippi           | 16.0        | 4.8          | 14.6        | 7.4        | 18.9        | 45.2             |
| <b>New York</b>                       | <b>10.9</b> | <b>3.7</b>   | <b>8.5</b>  | <b>4.6</b> | <b>10.8</b> | <b>34.2</b>      |
| Appalachian New York                  | 13.8        | 5.7          | 11.3        | 6.5        | 14.2        | 34.6             |
| Non-Appalachian New York              | 10.7        | 3.6          | 8.3         | 4.5        | 10.6        | 34.1             |
| <b>North Carolina</b>                 | <b>13.3</b> | <b>4.4</b>   | <b>11.4</b> | <b>6.0</b> | <b>14.4</b> | <b>38.1</b>      |
| Appalachian North Carolina            | 15.1        | 4.6          | 12.7        | 6.6        | 15.8        | 37.1             |
| Non-Appalachian North Carolina        | 12.9        | 4.4          | 11.1        | 5.9        | 14.1        | 38.4             |
| <b>Ohio</b>                           | <b>13.3</b> | <b>4.8</b>   | <b>11.5</b> | <b>6.7</b> | <b>14.1</b> | <b>35.9</b>      |
| Appalachian Ohio                      | 15.8        | 5.2          | 14.2        | 8.0        | 17.2        | 38.0             |
| Non-Appalachian Ohio                  | 12.8        | 4.7          | 10.9        | 6.4        | 13.4        | 35.5             |
| <b>Pennsylvania</b>                   | <b>13.2</b> | <b>5.0</b>   | <b>10.7</b> | <b>6.3</b> | <b>13.1</b> | <b>35.1</b>      |
| Appalachian Pennsylvania              | 14.6        | 5.3          | 11.8        | 6.9        | 14.3        | 36.3             |
| Non-Appalachian Pennsylvania          | 12.0        | 4.7          | 9.8         | 5.8        | 12.1        | 33.9             |
| <b>South Carolina</b>                 | <b>13.9</b> | <b>4.0</b>   | <b>12.2</b> | <b>6.1</b> | <b>15.7</b> | <b>37.8</b>      |
| Appalachian South Carolina            | 14.0        | 4.1          | 12.3        | 6.2        | 15.8        | 38.2             |
| Non-Appalachian South Carolina        | 13.9        | 4.0          | 12.2        | 6.1        | 15.6        | 37.6             |
| <b>Tennessee</b>                      | <b>15.1</b> | <b>4.5</b>   | <b>13.6</b> | <b>6.9</b> | <b>17.2</b> | <b>40.7</b>      |
| Appalachian Tennessee                 | 17.6        | 5.2          | 15.8        | 8.0        | 19.8        | 41.3             |
| Non-Appalachian Tennessee             | 13.2        | 4.1          | 11.8        | 6.2        | 15.1        | 40.1             |
| <b>Virginia</b>                       | <b>11.0</b> | <b>3.6</b>   | <b>9.0</b>  | <b>5.0</b> | <b>11.3</b> | <b>34.6</b>      |
| Appalachian Virginia                  | 18.7        | 4.4          | 16.4        | 7.4        | 21.4        | 43.4             |
| Non-Appalachian Virginia              | 10.2        | 3.5          | 8.2         | 4.8        | 10.2        | 33.2             |
| <b>West Virginia (entire state)</b>   | <b>19.1</b> | <b>5.3</b>   | <b>17.2</b> | <b>9.0</b> | <b>21.4</b> | <b>44.3</b>      |

Note: The ACS defines persons with a disability as having difficulty in at least one of the following six areas: hearing, vision, cognition, walking or climbing, self-care, or attending to the functions of independent living. The disability universe consists of the civilian noninstitutional population.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 9.1: Percent of Persons in the Appalachian Region With a Disability, 2009-2013**

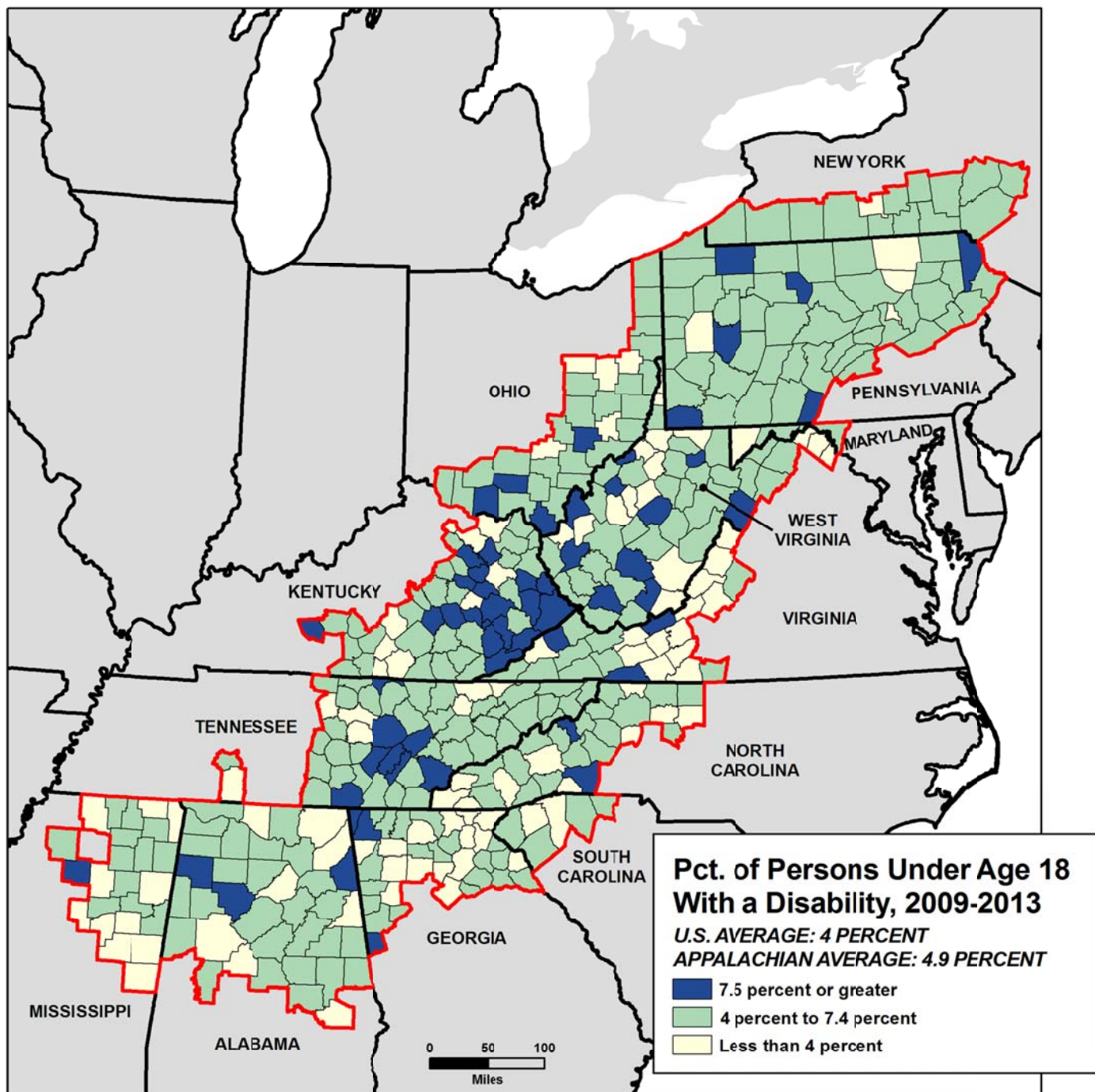


Map Title: Percent of Persons in the Appalachian Region With a Disability, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period, about one in six Appalachian residents reported having a disability, which the ACS defines as having difficulty in at least one of the following six areas: hearing, vision, cognition, walking or climbing, self-care, or attending to the functions of independent living. Disability prevalence is particularly high in some parts of the Region; the rate was 20 percent or more in 136 counties, nearly half of which were in Central Appalachia. The Region's relatively high disability rate corresponds to the population's older age structure: In 108 of the counties with the highest disability prevalence levels, at least 15 percent of the residents were age 65 or older.

**Figure 9.2: Percent of Persons Under Age 18 in the Appalachian Region With a Disability, 2009-2013**



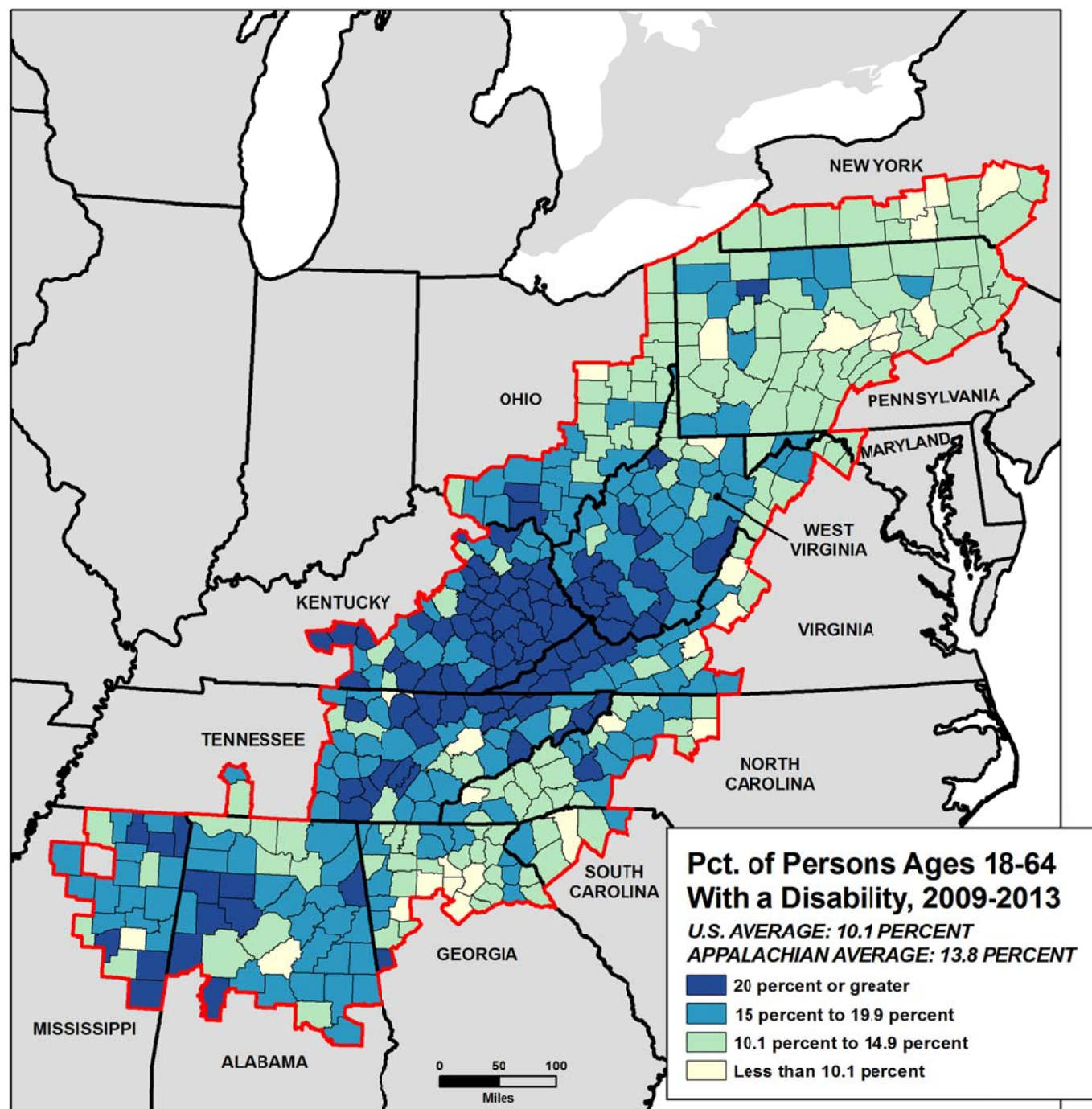
Map Title: Percent of Persons Under Age 18 in the Appalachian Region With a Disability, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

At nearly 5 percent, the prevalence of disability among children under age 18 in Appalachia was slightly higher than the national average during the 2009-2013 period. But there was variation within the Region. For example, the rate was at least 7.5 percent in 58 counties, all but a handful of which were outside metropolitan areas. In 102 other counties, however, the disability prevalence was below the national average of 4 percent, and these were scattered throughout the Appalachian Region.



**Figure 9.3: Percent of Persons Ages 18 to 64 in the Appalachian Region With a Disability, 2009-2013**

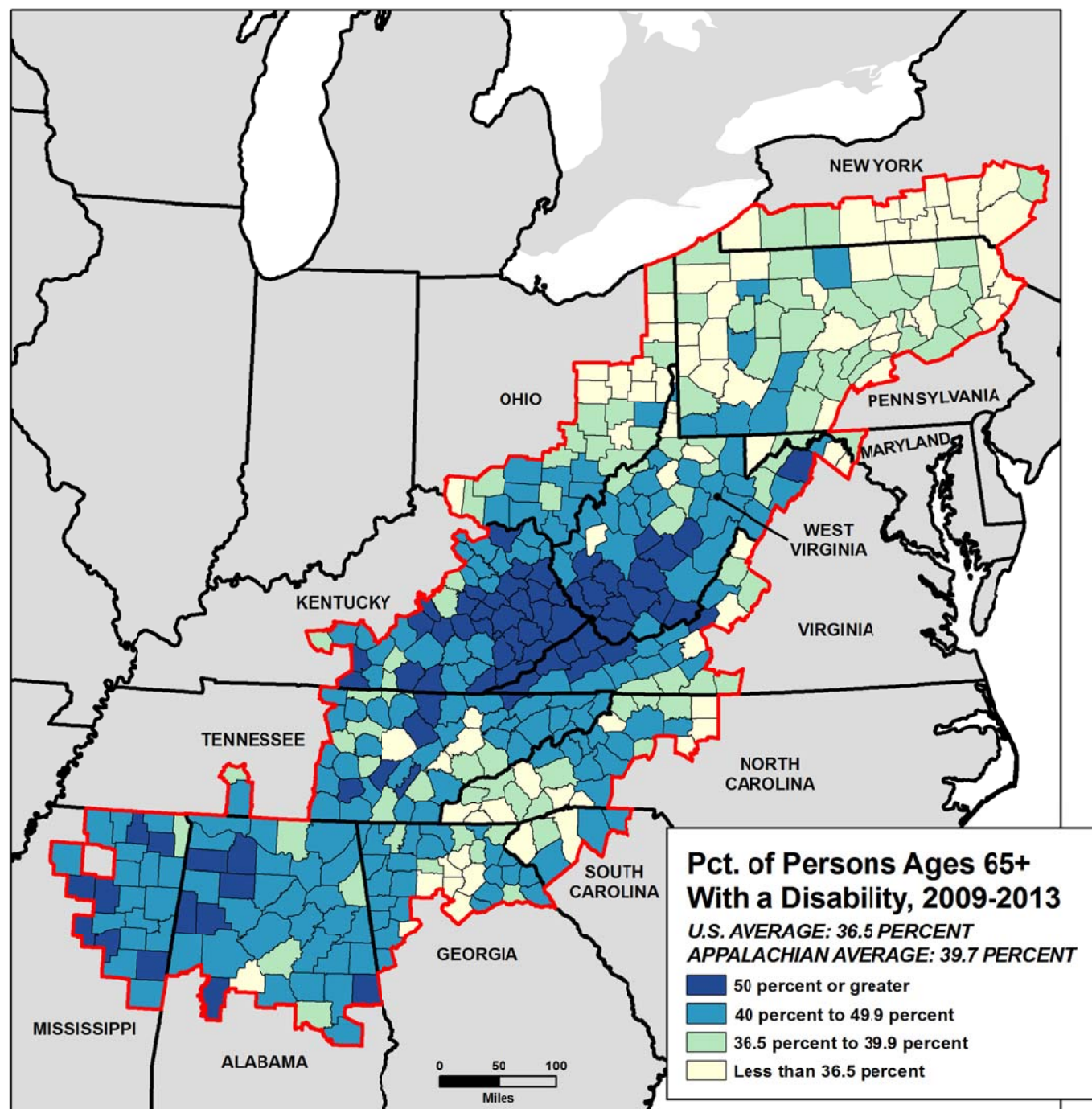


Map Title: Percent of Persons Ages 18 to 64 in the Appalachian Region With a Disability, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the 2009-2013 period, approximately one in seven adults ages 18 to 64 in Appalachia reported a disability, compared with one in 10 in the nation as a whole. Disability prevalence was particularly high in some parts of the Region: In Central Appalachia, for example, more than one-fifth of working-age adults had a disability. Indeed, Central Appalachia had 58 of the 94 Appalachian counties where the disability rate among 18-to-64-year-olds was 20 percent or higher.

**Figure 9.4: Percent of Persons Ages 65 and Over in the Appalachian Region With a Disability, 2009-2013**



Map Title: Percent of Persons Ages 65 and Over in the Appalachian Region With a Disability, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Two-fifths of adults ages 65 and over in the Appalachian Region reported a disability in the 2009-2013 period, slightly higher than the national share. And the prevalence was even greater in some parts of the Region: At least half of the older residents in 70 counties (44 of which were in Central Appalachia) had at least one disability. Yet in 79 other Appalachian counties, the disability rate for the older population actually was lower than the national average. Nearly all of these low-prevalence counties were in Northern, South Central, and Southern Appalachia.

## CHAPTER 10: MIGRATION

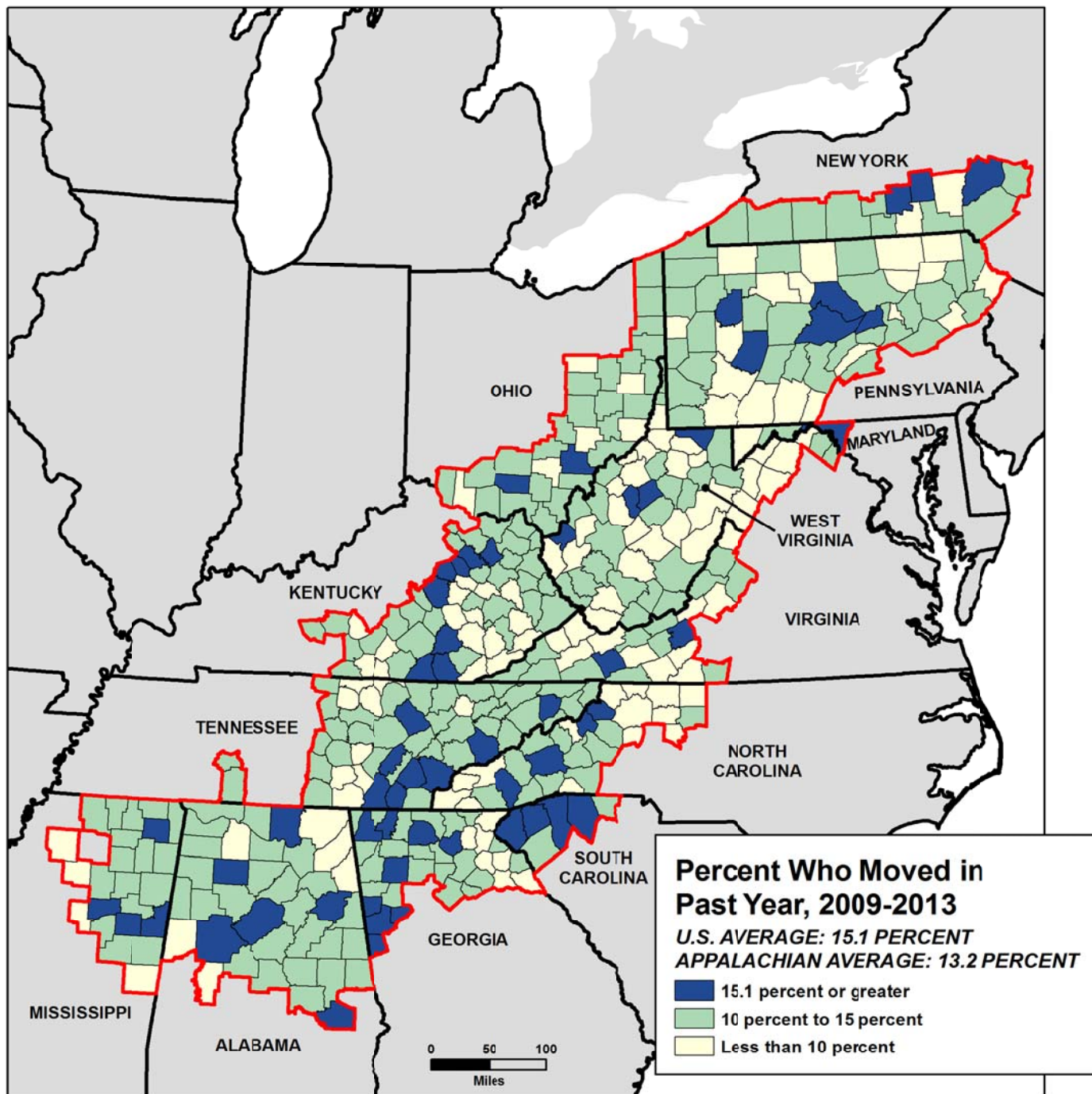
**Table 10.1: Mobility Status of Persons Ages 1 and Over in the Appalachian Region, 2009-2013**

| Mobility Status in the Last Year      | Total Population<br>Ages 1 and Over,<br>2009-2013 | Percent of Population Ages 1 and Over |                                                   |                      |                    |                     |                      |
|---------------------------------------|---------------------------------------------------|---------------------------------------|---------------------------------------------------|----------------------|--------------------|---------------------|----------------------|
|                                       |                                                   | Did Not<br>Move in Past<br>Year       | Moved from a Different Residence in the Past Year |                      |                    |                     |                      |
|                                       |                                                   |                                       |                                                   | Within the<br>County | Outside the County |                     |                      |
|                                       |                                                   |                                       |                                                   |                      |                    | Within the<br>State | Outside the<br>State |
| United States                         | 307,797,122                                       | 84.9                                  | 15.1                                              | 9.1                  | 6.0                | 3.2                 | 2.9                  |
| Appalachian Region                    | 25,036,307                                        | 86.8                                  | 13.2                                              | 7.7                  | 5.5                | 3.2                 | 2.3                  |
| Subregions                            |                                                   |                                       |                                                   |                      |                    |                     |                      |
| Northern Appalachia                   | 8,288,536                                         | 87.6                                  | 12.4                                              | 7.4                  | 4.9                | 2.8                 | 2.1                  |
| North Central Appalachia              | 2,399,939                                         | 87.4                                  | 12.6                                              | 7.1                  | 5.6                | 3.0                 | 2.5                  |
| Central Appalachia                    | 1,892,225                                         | 87.9                                  | 12.1                                              | 7.0                  | 5.1                | 3.2                 | 1.9                  |
| South Central Appalachia              | 4,689,241                                         | 86.2                                  | 13.8                                              | 7.9                  | 5.9                | 3.3                 | 2.6                  |
| Southern Appalachia                   | 7,766,366                                         | 85.6                                  | 14.4                                              | 8.4                  | 6.0                | 3.6                 | 2.4                  |
| County Types                          |                                                   |                                       |                                                   |                      |                    |                     |                      |
| Large Metros (pop. 1 million +)       | 5,823,217                                         | 86.9                                  | 13.1                                              | 7.8                  | 5.4                | 3.2                 | 2.2                  |
| Small Metros (pop. <1 million)        | 10,557,672                                        | 86.0                                  | 14.0                                              | 8.2                  | 5.8                | 3.1                 | 2.7                  |
| Nonmetro, Adjacent to Large Metros    | 2,185,028                                         | 86.6                                  | 13.4                                              | 8.1                  | 5.3                | 3.5                 | 1.7                  |
| Nonmetro, Adjacent to Small Metros    | 3,948,754                                         | 88.1                                  | 11.9                                              | 6.8                  | 5.1                | 3.1                 | 2.0                  |
| Rural (nonmetro, not adj. to a metro) | 2,521,636                                         | 87.6                                  | 12.4                                              | 6.9                  | 5.5                | 3.6                 | 1.9                  |
| Alabama                               | 4,744,420                                         | 85.0                                  | 15.0                                              | 9.1                  | 5.9                | 3.3                 | 2.6                  |
| Appalachian Alabama                   | 3,040,393                                         | 85.6                                  | 14.4                                              | 8.8                  | 5.6                | 3.4                 | 2.2                  |
| Non-Appalachian Alabama               | 1,704,027                                         | 83.9                                  | 16.1                                              | 9.6                  | 6.5                | 3.0                 | 3.5                  |
| Georgia                               | 9,685,706                                         | 83.6                                  | 16.4                                              | 8.4                  | 8.0                | 4.7                 | 3.3                  |
| Appalachian Georgia                   | 2,934,780                                         | 86.0                                  | 14.0                                              | 7.6                  | 6.4                | 4.0                 | 2.4                  |
| Non-Appalachian Georgia               | 6,750,926                                         | 82.6                                  | 17.4                                              | 8.8                  | 8.6                | 5.0                 | 3.7                  |
| Kentucky                              | 4,309,798                                         | 84.8                                  | 15.2                                              | 8.7                  | 6.5                | 3.5                 | 3.0                  |
| Appalachian Kentucky                  | 1,169,433                                         | 87.0                                  | 13.0                                              | 7.6                  | 5.4                | 3.4                 | 1.9                  |
| Non-Appalachian Kentucky              | 3,140,365                                         | 84.0                                  | 16.0                                              | 9.1                  | 6.9                | 3.5                 | 3.4                  |
| Maryland                              | 5,763,751                                         | 86.7                                  | 13.3                                              | 7.2                  | 6.1                | 2.6                 | 3.5                  |
| Appalachian Maryland                  | 250,203                                           | 86.0                                  | 14.0                                              | 8.2                  | 5.9                | 3.0                 | 2.9                  |
| Non-Appalachian Maryland              | 5,513,548                                         | 86.7                                  | 13.3                                              | 7.2                  | 6.1                | 2.6                 | 3.5                  |
| Mississippi                           | 2,939,062                                         | 85.8                                  | 14.2                                              | 7.8                  | 6.4                | 3.8                 | 2.6                  |
| Appalachian Mississippi               | 621,307                                           | 86.1                                  | 13.9                                              | 8.0                  | 5.9                | 4.0                 | 1.9                  |
| Non-Appalachian Mississippi           | 2,317,755                                         | 85.7                                  | 14.3                                              | 7.8                  | 6.5                | 3.7                 | 2.8                  |
| New York                              | 19,265,730                                        | 88.8                                  | 11.2                                              | 6.6                  | 4.6                | 2.4                 | 2.2                  |
| Appalachian New York                  | 1,052,377                                         | 85.3                                  | 14.7                                              | 8.4                  | 6.3                | 3.7                 | 2.6                  |
| Non-Appalachian New York              | 18,213,353                                        | 89.0                                  | 11.0                                              | 6.5                  | 4.5                | 2.4                 | 2.2                  |
| North Carolina                        | 9,535,230                                         | 84.7                                  | 15.3                                              | 8.5                  | 6.8                | 3.5                 | 3.3                  |
| Appalachian North Carolina            | 1,687,034                                         | 87.2                                  | 12.8                                              | 7.3                  | 5.5                | 3.2                 | 2.3                  |
| Non-Appalachian North Carolina        | 7,848,196                                         | 84.2                                  | 15.8                                              | 8.7                  | 7.1                | 3.6                 | 3.5                  |
| Ohio                                  | 11,418,877                                        | 85.5                                  | 14.5                                              | 9.4                  | 5.1                | 3.2                 | 1.9                  |
| Appalachian Ohio                      | 2,013,688                                         | 87.8                                  | 12.2                                              | 7.6                  | 4.6                | 3.0                 | 1.7                  |
| Non-Appalachian Ohio                  | 9,405,189                                         | 85.0                                  | 15.0                                              | 9.8                  | 5.2                | 3.2                 | 2.0                  |
| Pennsylvania                          | 12,597,683                                        | 88.0                                  | 12.0                                              | 7.2                  | 4.8                | 2.5                 | 2.3                  |
| Appalachian Pennsylvania              | 5,731,766                                         | 87.9                                  | 12.1                                              | 7.2                  | 4.8                | 2.7                 | 2.1                  |
| Non-Appalachian Pennsylvania          | 6,865,917                                         | 88.0                                  | 12.0                                              | 7.3                  | 4.8                | 2.4                 | 2.4                  |
| South Carolina                        | 4,623,852                                         | 84.7                                  | 15.3                                              | 8.4                  | 6.9                | 3.2                 | 3.8                  |
| Appalachian South Carolina            | 1,169,886                                         | 84.6                                  | 15.4                                              | 9.2                  | 6.2                | 3.0                 | 3.2                  |
| Non-Appalachian South Carolina        | 3,453,966                                         | 84.7                                  | 15.3                                              | 8.1                  | 7.2                | 3.2                 | 4.0                  |
| Tennessee                             | 6,326,649                                         | 84.6                                  | 15.4                                              | 9.4                  | 6.0                | 3.0                 | 3.1                  |
| Appalachian Tennessee                 | 2,771,008                                         | 86.2                                  | 13.8                                              | 8.2                  | 5.6                | 3.0                 | 2.6                  |
| Non-Appalachian Tennessee             | 3,555,641                                         | 83.3                                  | 16.7                                              | 10.3                 | 6.3                | 2.9                 | 3.4                  |
| Virginia                              | 8,002,371                                         | 84.7                                  | 15.3                                              | 6.6                  | 8.7                | 4.8                 | 3.9                  |
| Appalachian Virginia                  | 759,620                                           | 86.2                                  | 13.8                                              | 6.6                  | 7.2                | 4.5                 | 2.7                  |
| Non-Appalachian Virginia              | 7,242,751                                         | 84.6                                  | 15.4                                              | 6.5                  | 8.9                | 4.8                 | 4.1                  |
| West Virginia (entire state)          | 1,834,812                                         | 88.1                                  | 11.9                                              | 6.5                  | 5.3                | 2.5                 | 2.8                  |

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.



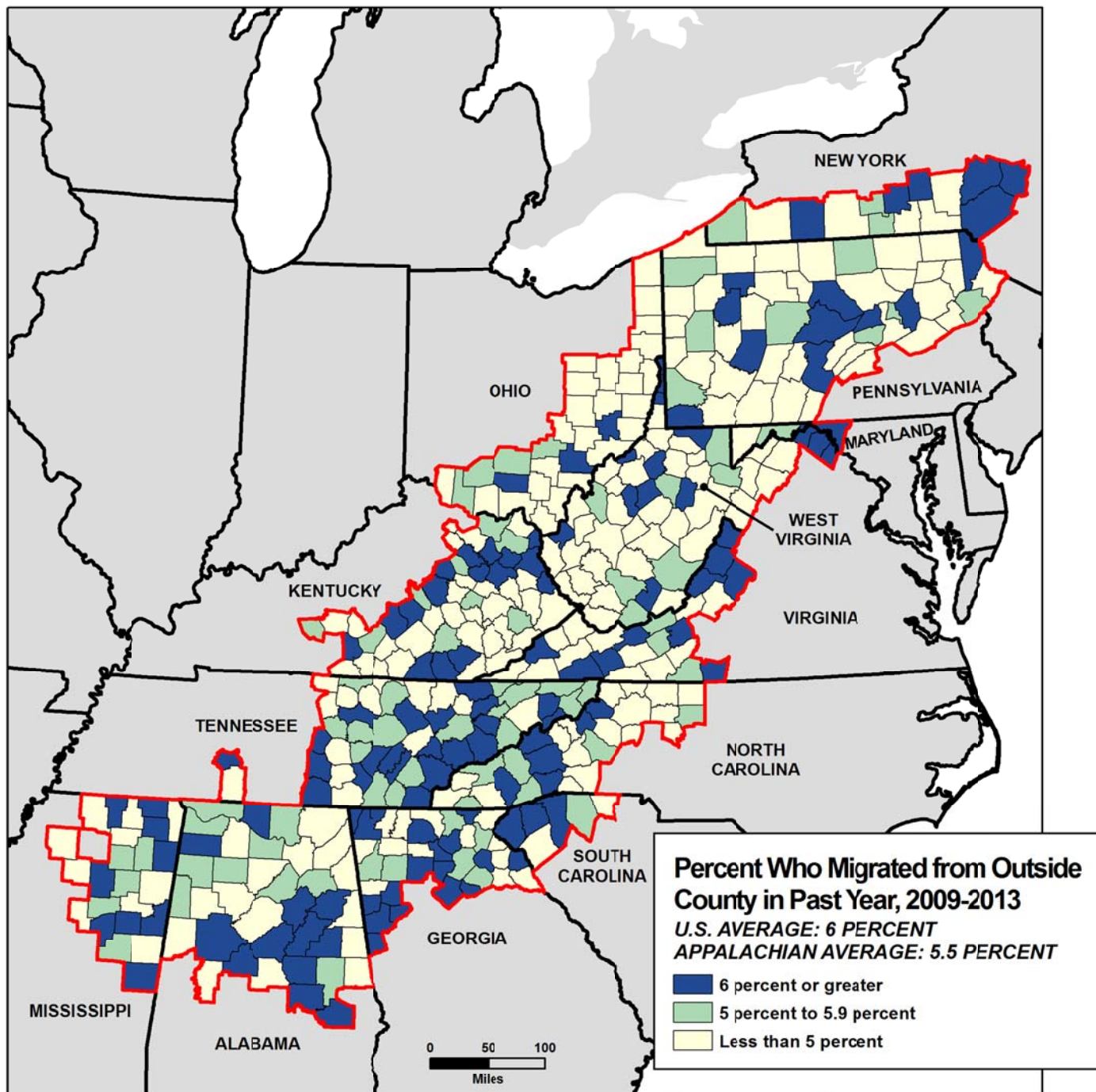
**Figure 10.1: Percent of Persons Ages 1 and Over in the Appalachian Region Who Had Moved in the Past Year, 2009-2013**



Map Title: Percent of Persons Ages 1 and Over in the Appalachian Region Who Had Moved in the Past Year, 2009-2013  
 Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although residential mobility in Appalachia was below the national average, the percentage of residents who moved in the past year matched or exceeded the U.S. average in 60 of the Region's counties. Three-fifths of these counties were in Southern or South Central Appalachia. Most also were either counties in metropolitan areas, counties that housed a four-year college or university, or rural counties that were likely retirement or recreational destinations. Yet in 122 Appalachian counties, less than 10 percent of the residents had moved in the previous 12 months; three-fourths of these counties were outside metro areas.

**Figure 10.2: Percent of Persons Ages 1 and Over in the Appalachian Region Who Had Migrated From Outside Their County of Residence in the Past Year, 2009-2013**



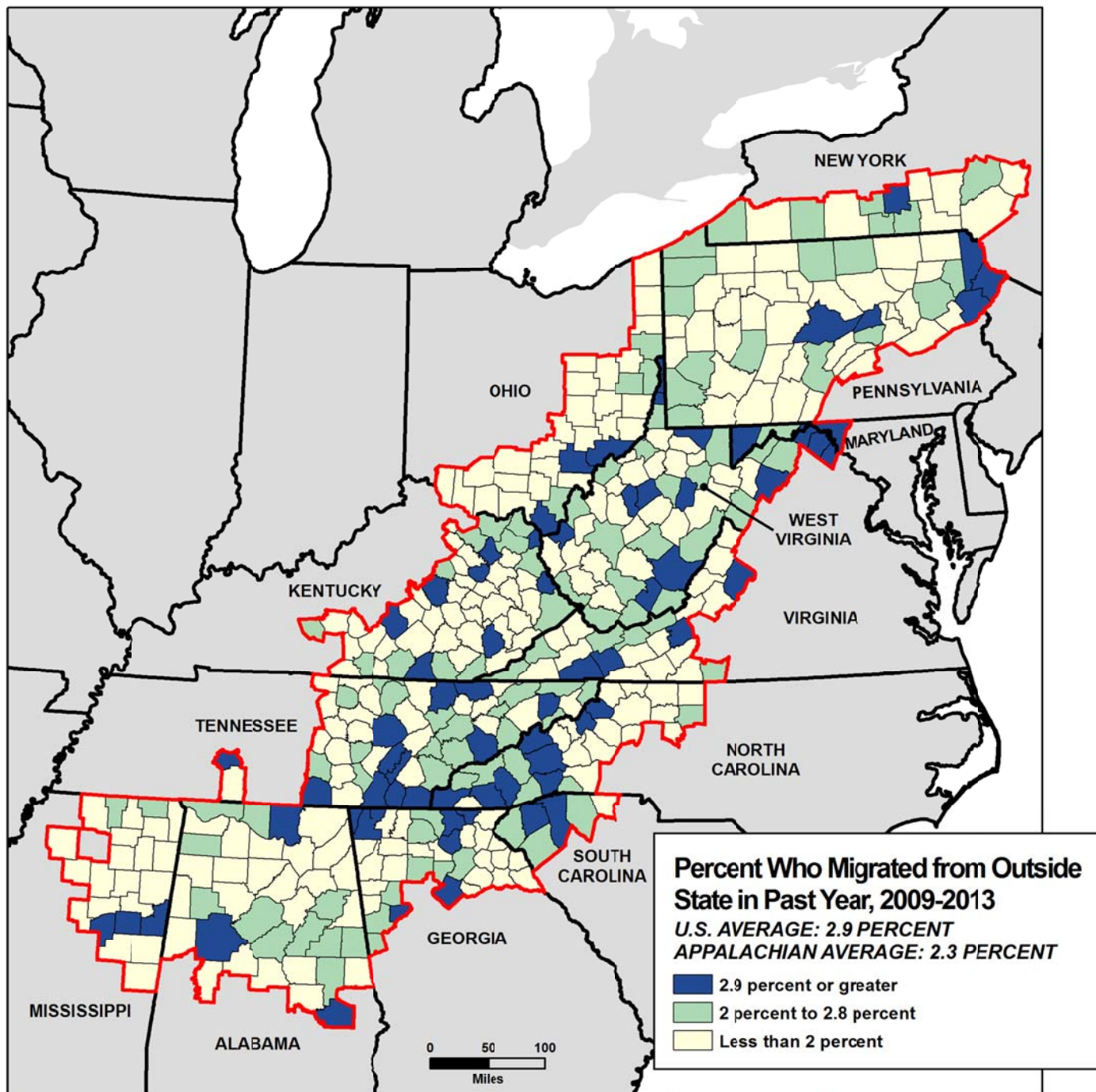
Map Title: Percent of Persons Ages 1 and Over in the Appalachian Region Who Had Migrated From Outside Their County of Residence in the Past Year, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Although people in Appalachia were slightly less likely to have migrated from outside their county of residence in the 2009-2013 period than Americans as a whole, residents in 129 of the Region's counties had migration rates at or above the national average. These counties were scattered throughout the Appalachian Region and were distributed across all urban/rural types. In 211 counties, however, less than 5 percent of the residents had migrated from another county. More than two-thirds of these counties were outside metropolitan areas, and two-fifths of those nonmetro counties were rural counties not adjacent to a metro area.



**Figure 10.3: Percent of Persons Ages 1 and Over in the Appalachian Region Who Had Migrated From Outside Their State of Residence in the Past Year, 2009-2013**



Map Title: Percent of Persons Ages 1 and Over in the Appalachian Region Who Had Migrated From Outside Their State of Residence in the Past Year, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

The share of people in the Appalachian Region who had migrated from outside their state of residence was 2.3 percent in the 2009-2013 period, compared with 2.9 percent of all Americans. Yet in 73 of Appalachia's 420 counties, out-of-state migration levels were at or above the U.S. average. These counties were fairly evenly distributed throughout the Region, with almost half of them in metropolitan areas. In 240 counties, on the other hand, less than 2 percent of residents had come from out of state, and more than two-thirds of these counties were outside metropolitan areas.



# CHAPTER 11: VETERAN STATUS

**Table 11.1: Veteran Status of Adult Civilians in the Appalachian Region by Age Group, 2009-2013**

| Veteran Status                        | Civilian Population |                   |                    |                   | Percent Who Are Veterans |            |             |                  |
|---------------------------------------|---------------------|-------------------|--------------------|-------------------|--------------------------|------------|-------------|------------------|
|                                       | Ages 18 and Over    | Ages 18-34        | Ages 35-64         | Ages 65 and Over  | Ages 18 and Over         | Ages 18-34 | Ages 35-64  | Ages 65 and Over |
| <b>United States</b>                  | <b>236,576,902</b>  | <b>71,976,195</b> | <b>122,749,665</b> | <b>41,851,042</b> | <b>9.0</b>               | <b>2.4</b> | <b>8.4</b>  | <b>22.2</b>      |
| <b>Appalachian Region</b>             | <b>19,677,415</b>   | <b>5,450,287</b>  | <b>10,292,858</b>  | <b>3,934,270</b>  | <b>10.1</b>              | <b>2.3</b> | <b>9.3</b>  | <b>22.8</b>      |
| <b>Subregions</b>                     |                     |                   |                    |                   |                          |            |             |                  |
| Northern Appalachia                   | 6,640,709           | 1,786,764         | 3,422,091          | 1,431,854         | 10.7                     | 2.4        | 9.4         | 24.3             |
| North Central Appalachia              | 1,899,240           | 522,981           | 995,244            | 381,015           | 10.8                     | 2.7        | 10.3        | 23.4             |
| Central Appalachia                    | 1,489,834           | 393,308           | 799,625            | 296,901           | 8.5                      | 2.0        | 7.7         | 19.0             |
| South Central Appalachia              | 3,731,998           | 1,007,344         | 1,926,202          | 798,452           | 10.2                     | 2.2        | 9.3         | 22.5             |
| Southern Appalachia                   | 5,915,634           | 1,739,890         | 3,149,696          | 1,026,048         | 9.4                      | 2.3        | 9.2         | 22.0             |
| <b>County Types</b>                   |                     |                   |                    |                   |                          |            |             |                  |
| Large Metros (pop. 1 million +)       | 4,496,704           | 1,261,704         | 2,429,464          | 805,536           | 9.5                      | 2.2        | 8.7         | 23.4             |
| Small Metros (pop. <1 million)        | 8,344,994           | 2,386,097         | 4,299,677          | 1,659,220         | 10.3                     | 2.3        | 9.7         | 23.3             |
| Nonmetro, Adjacent to Large Metros    | 1,715,342           | 466,223           | 894,214            | 354,905           | 10.4                     | 2.3        | 9.7         | 22.6             |
| Nonmetro, Adjacent to Small Metros    | 3,132,362           | 794,439           | 1,640,277          | 697,646           | 10.6                     | 2.5        | 9.4         | 22.7             |
| Rural (nonmetro, not adj. to a metro) | 1,988,013           | 541,824           | 1,029,226          | 416,963           | 9.1                      | 2.3        | 8.0         | 20.4             |
| <b>Alabama</b>                        | <b>3,660,703</b>    | <b>1,085,924</b>  | <b>1,894,205</b>   | <b>680,574</b>    | <b>10.6</b>              | <b>2.9</b> | <b>10.7</b> | <b>22.6</b>      |
| Appalachian Alabama                   | 2,358,822           | 690,963           | 1,231,081          | 436,778           | 10.2                     | 2.4        | 10.3        | 22.2             |
| Non-Appalachian Alabama               | 1,301,881           | 394,961           | 663,124            | 243,796           | 11.4                     | 3.8        | 11.6        | 23.2             |
| <b>Georgia</b>                        | <b>7,269,336</b>    | <b>2,303,945</b>  | <b>3,875,374</b>   | <b>1,090,017</b>  | <b>9.5</b>               | <b>2.7</b> | <b>9.9</b>  | <b>22.2</b>      |
| Appalachian Georgia                   | 2,175,812           | 637,893           | 1,208,623          | 329,296           | 8.7                      | 2.1        | 8.4         | 22.3             |
| Non-Appalachian Georgia               | 5,093,524           | 1,666,052         | 2,666,751          | 760,721           | 9.8                      | 2.9        | 10.6        | 22.2             |
| <b>Kentucky</b>                       | <b>3,323,981</b>    | <b>971,460</b>    | <b>1,754,646</b>   | <b>597,875</b>    | <b>9.4</b>               | <b>2.5</b> | <b>9.2</b>  | <b>21.2</b>      |
| Appalachian Kentucky                  | 915,148             | 251,398           | 487,924            | 175,826           | 8.1                      | 2.0        | 7.5         | 18.3             |
| Non-Appalachian Kentucky              | 2,408,833           | 720,062           | 1,266,722          | 422,049           | 9.9                      | 2.7        | 9.8         | 22.3             |
| <b>Maryland</b>                       | <b>4,457,690</b>    | <b>1,328,709</b>  | <b>2,390,309</b>   | <b>738,672</b>    | <b>9.6</b>               | <b>3.0</b> | <b>9.3</b>  | <b>22.3</b>      |
| Appalachian Maryland                  | 199,249             | 55,251            | 103,262            | 40,736            | 10.7                     | 2.4        | 10.2        | 22.9             |
| Non-Appalachian Maryland              | 4,258,441           | 1,273,458         | 2,287,047          | 697,936           | 9.5                      | 3.0        | 9.3         | 22.2             |
| <b>Mississippi</b>                    | <b>2,216,273</b>    | <b>687,968</b>    | <b>1,135,472</b>   | <b>392,833</b>    | <b>9.1</b>               | <b>2.7</b> | <b>8.9</b>  | <b>20.6</b>      |
| Appalachian Mississippi               | 474,512             | 143,876           | 239,623            | 91,013            | 8.1                      | 2.4        | 7.4         | 18.8             |
| Non-Appalachian Mississippi           | 1,741,761           | 544,092           | 895,849            | 301,820           | 9.3                      | 2.8        | 9.3         | 21.1             |
| <b>New York</b>                       | <b>15,171,222</b>   | <b>4,682,212</b>  | <b>7,793,627</b>   | <b>2,695,383</b>  | <b>6.0</b>               | <b>1.3</b> | <b>5.0</b>  | <b>17.2</b>      |
| Appalachian New York                  | 842,290             | 253,592           | 418,411            | 170,287           | 10.2                     | 2.4        | 9.4         | 23.5             |
| Non-Appalachian New York              | 14,328,932          | 4,428,620         | 7,375,216          | 2,525,096         | 5.8                      | 1.3        | 4.7         | 16.7             |
| <b>North Carolina</b>                 | <b>7,282,130</b>    | <b>2,145,372</b>  | <b>3,841,598</b>   | <b>1,295,160</b>  | <b>9.9</b>               | <b>2.9</b> | <b>9.9</b>  | <b>21.9</b>      |
| Appalachian North Carolina            | 1,341,610           | 349,554           | 696,202            | 295,854           | 10.1                     | 1.9        | 9.0         | 22.4             |
| Non-Appalachian North Carolina        | 5,940,520           | 1,795,818         | 3,145,396          | 999,306           | 9.9                      | 3.1        | 10.0        | 21.7             |
| <b>Ohio</b>                           | <b>8,843,597</b>    | <b>2,528,595</b>  | <b>4,648,356</b>   | <b>1,666,646</b>  | <b>9.8</b>               | <b>2.1</b> | <b>9.2</b>  | <b>22.9</b>      |
| Appalachian Ohio                      | 1,572,209           | 413,782           | 832,585            | 325,842           | 10.8                     | 2.3        | 10.0        | 23.7             |
| Non-Appalachian Ohio                  | 7,271,388           | 2,114,813         | 3,815,771          | 1,340,804         | 9.6                      | 2.1        | 9.0         | 22.8             |
| <b>Pennsylvania</b>                   | <b>9,963,649</b>    | <b>2,805,135</b>  | <b>5,153,713</b>   | <b>2,004,801</b>  | <b>9.5</b>               | <b>2.1</b> | <b>8.1</b>  | <b>23.3</b>      |
| Appalachian Pennsylvania              | 4,612,887           | 1,233,642         | 2,377,364          | 1,001,881         | 10.7                     | 2.4        | 9.2         | 24.5             |
| Non-Appalachian Pennsylvania          | 5,350,762           | 1,571,493         | 2,776,349          | 1,002,920         | 8.4                      | 1.8        | 7.2         | 22.0             |
| <b>South Carolina</b>                 | <b>3,566,687</b>    | <b>1,053,163</b>  | <b>1,847,309</b>   | <b>666,215</b>    | <b>11.0</b>              | <b>3.3</b> | <b>10.9</b> | <b>23.4</b>      |
| Appalachian South Carolina            | 906,488             | 267,158           | 470,369            | 168,961           | 9.6                      | 2.3        | 9.2         | 22.6             |
| Non-Appalachian South Carolina        | 2,660,199           | 786,005           | 1,376,940          | 497,254           | 11.4                     | 3.6        | 11.5        | 23.7             |
| <b>Tennessee</b>                      | <b>4,892,602</b>    | <b>1,438,025</b>  | <b>2,566,641</b>   | <b>887,936</b>    | <b>9.9</b>               | <b>2.6</b> | <b>9.7</b>  | <b>22.2</b>      |
| Appalachian Tennessee                 | 2,192,816           | 588,294           | 1,144,484          | 460,038           | 10.3                     | 2.3        | 9.5         | 22.5             |
| Non-Appalachian Tennessee             | 2,699,786           | 849,731           | 1,422,157          | 427,898           | 9.6                      | 2.8        | 9.9         | 21.9             |
| <b>Virginia</b>                       | <b>6,129,622</b>    | <b>1,853,420</b>  | <b>3,252,916</b>   | <b>1,023,286</b>  | <b>11.9</b>              | <b>4.6</b> | <b>12.2</b> | <b>23.8</b>      |
| Appalachian Virginia                  | 618,358             | 174,085           | 311,484            | 132,789           | 9.3                      | 2.1        | 8.4         | 20.8             |
| Non-Appalachian Virginia              | 5,511,264           | 1,679,335         | 2,941,432          | 890,497           | 12.1                     | 4.8        | 12.7        | 24.2             |
| <b>West Virginia (entire state)</b>   | <b>1,467,214</b>    | <b>390,799</b>    | <b>771,446</b>     | <b>304,969</b>    | <b>10.9</b>              | <b>2.7</b> | <b>10.1</b> | <b>23.2</b>      |

Note: The ACS defines veterans as men and women who have served on active duty in the U.S. Armed Forces, the National Guard or Reserves, or in the U.S. Merchant Marine during World War II.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

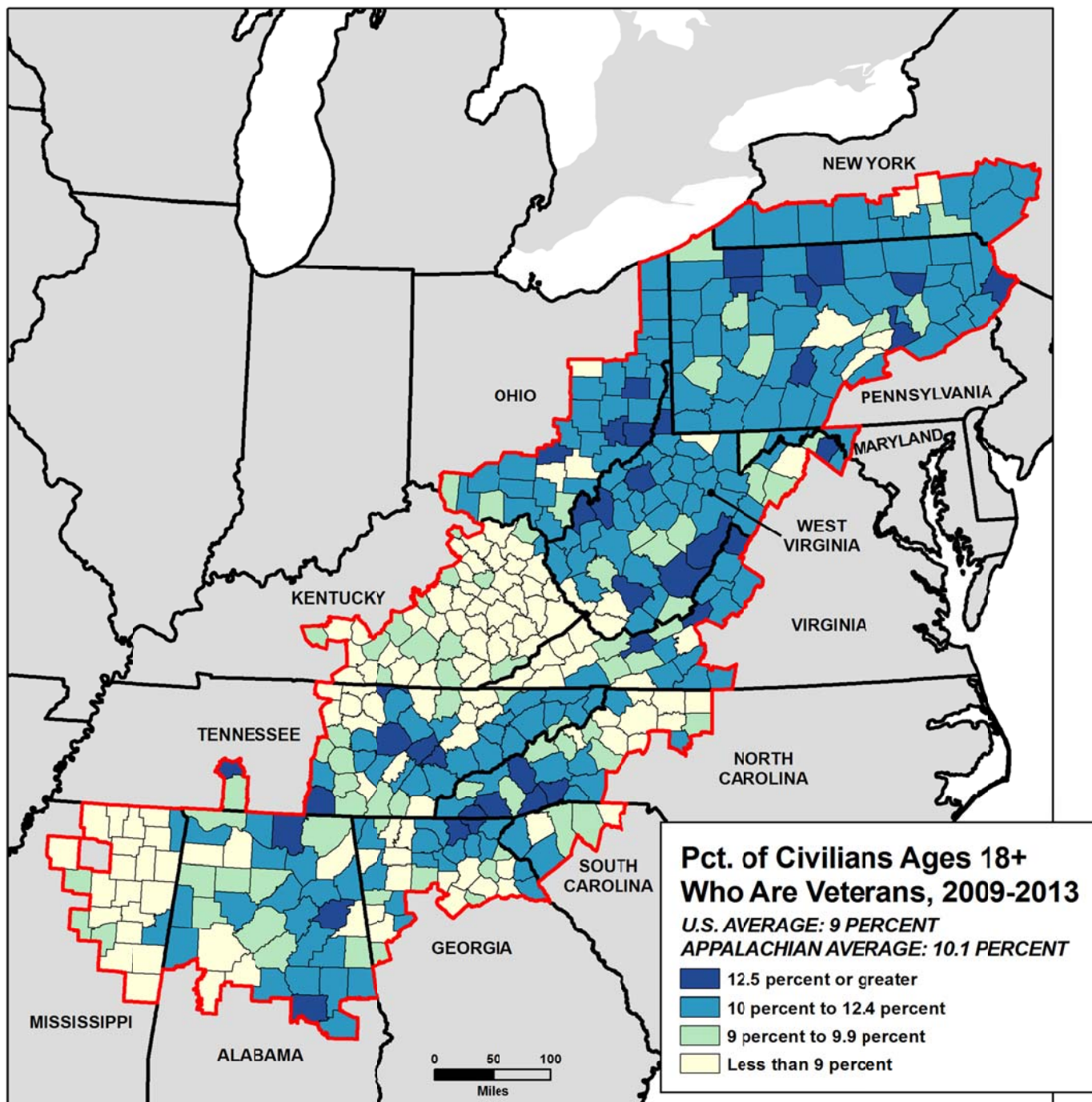
**Table 11.2: Veteran Status of Adult Civilians in the Appalachian Region by Gender, 2009-2013**

| Veteran Status                        | Civilian Population Ages 18 and Over |                    |                    | Percent Who Are Veterans |             |            |
|---------------------------------------|--------------------------------------|--------------------|--------------------|--------------------------|-------------|------------|
|                                       | Both Sexes                           | Males              | Females            | Both Sexes               | Males       | Females    |
| <b>United States</b>                  | <b>236,576,902</b>                   | <b>114,530,194</b> | <b>122,046,708</b> | <b>9.0</b>               | <b>17.2</b> | <b>1.3</b> |
| <b>Appalachian Region</b>             | <b>19,677,415</b>                    | <b>9,532,939</b>   | <b>10,144,476</b>  | <b>10.1</b>              | <b>19.6</b> | <b>1.1</b> |
| <b>Subregions</b>                     |                                      |                    |                    |                          |             |            |
| Northern Appalachia                   | 6,640,709                            | 3,234,511          | 3,406,198          | 10.7                     | 20.8        | 1.1        |
| North Central Appalachia              | 1,899,240                            | 931,501            | 967,739            | 10.8                     | 20.9        | 1.1        |
| Central Appalachia                    | 1,489,834                            | 730,271            | 759,563            | 8.5                      | 16.5        | 0.8        |
| South Central Appalachia              | 3,731,998                            | 1,795,815          | 1,936,183          | 10.2                     | 20.0        | 1.2        |
| Southern Appalachia                   | 5,915,634                            | 2,840,841          | 3,074,793          | 9.4                      | 18.2        | 1.2        |
| <b>County Types</b>                   |                                      |                    |                    |                          |             |            |
| Large Metros (pop. 1 million +)       | 4,496,704                            | 2,155,085          | 2,341,619          | 9.5                      | 18.6        | 1.1        |
| Small Metros (pop. <1 million)        | 8,344,994                            | 4,031,408          | 4,313,586          | 10.3                     | 20.1        | 1.2        |
| Nonmetro, Adjacent to Large Metros    | 1,715,342                            | 842,660            | 872,682            | 10.4                     | 20.0        | 1.1        |
| Nonmetro, Adjacent to Small Metros    | 3,132,362                            | 1,531,856          | 1,600,506          | 10.6                     | 20.5        | 1.1        |
| Rural (nonmetro, not adj. to a metro) | 1,988,013                            | 971,930            | 1,016,083          | 9.1                      | 17.6        | 0.9        |
| <b>Alabama</b>                        | <b>3,660,703</b>                     | <b>1,741,559</b>   | <b>1,919,144</b>   | <b>10.6</b>              | <b>20.6</b> | <b>1.6</b> |
| Appalachian Alabama                   | 2,358,822                            | 1,126,814          | 1,232,008          | 10.2                     | 19.9        | 1.4        |
| Non-Appalachian Alabama               | 1,301,881                            | 614,745            | 687,136            | 11.4                     | 22.0        | 1.9        |
| <b>Georgia</b>                        | <b>7,269,336</b>                     | <b>3,476,099</b>   | <b>3,793,237</b>   | <b>9.5</b>               | <b>17.8</b> | <b>1.9</b> |
| Appalachian Georgia                   | 2,175,812                            | 1,054,483          | 1,121,329          | 8.7                      | 16.7        | 1.2        |
| Non-Appalachian Georgia               | 5,093,524                            | 2,421,616          | 2,671,908          | 9.8                      | 18.3        | 2.1        |
| <b>Kentucky</b>                       | <b>3,323,981</b>                     | <b>1,606,476</b>   | <b>1,717,505</b>   | <b>9.4</b>               | <b>18.2</b> | <b>1.2</b> |
| Appalachian Kentucky                  | 915,148                              | 447,524            | 467,624            | 8.1                      | 15.7        | 0.8        |
| Non-Appalachian Kentucky              | 2,408,833                            | 1,158,952          | 1,249,881          | 9.9                      | 19.1        | 1.4        |
| <b>Maryland</b>                       | <b>4,457,690</b>                     | <b>2,115,043</b>   | <b>2,342,647</b>   | <b>9.6</b>               | <b>18.0</b> | <b>2.0</b> |
| Appalachian Maryland                  | 199,249                              | 101,389            | 97,860             | 10.7                     | 19.5        | 1.5        |
| Non-Appalachian Maryland              | 4,258,441                            | 2,013,654          | 2,244,787          | 9.5                      | 17.9        | 2.0        |
| <b>Mississippi</b>                    | <b>2,216,273</b>                     | <b>1,053,640</b>   | <b>1,162,633</b>   | <b>9.1</b>               | <b>17.6</b> | <b>1.3</b> |
| Appalachian Mississippi               | 474,512                              | 225,140            | 249,372            | 8.1                      | 16.0        | 0.9        |
| Non-Appalachian Mississippi           | 1,741,761                            | 828,500            | 913,261            | 9.3                      | 18.0        | 1.5        |
| <b>New York</b>                       | <b>15,171,222</b>                    | <b>7,225,670</b>   | <b>7,945,552</b>   | <b>6.0</b>               | <b>11.9</b> | <b>0.6</b> |
| Appalachian New York                  | 842,290                              | 411,894            | 430,396            | 10.2                     | 19.6        | 1.1        |
| Non-Appalachian New York              | 14,328,932                           | 6,813,776          | 7,515,156          | 5.8                      | 11.5        | 0.6        |
| <b>North Carolina</b>                 | <b>7,282,130</b>                     | <b>3,457,259</b>   | <b>3,824,871</b>   | <b>9.9</b>               | <b>19.1</b> | <b>1.7</b> |
| Appalachian North Carolina            | 1,341,610                            | 642,773            | 698,837            | 10.1                     | 19.9        | 1.2        |
| Non-Appalachian North Carolina        | 5,940,520                            | 2,814,486          | 3,126,034          | 9.9                      | 18.9        | 1.8        |
| <b>Ohio</b>                           | <b>8,843,597</b>                     | <b>4,255,235</b>   | <b>4,588,362</b>   | <b>9.8</b>               | <b>19.1</b> | <b>1.1</b> |
| Appalachian Ohio                      | 1,572,209                            | 768,192            | 804,017            | 10.8                     | 21.1        | 1.0        |
| Non-Appalachian Ohio                  | 7,271,388                            | 3,487,043          | 3,784,345          | 9.6                      | 18.7        | 1.2        |
| <b>Pennsylvania</b>                   | <b>9,963,649</b>                     | <b>4,791,937</b>   | <b>5,171,712</b>   | <b>9.5</b>               | <b>18.6</b> | <b>1.0</b> |
| Appalachian Pennsylvania              | 4,612,887                            | 2,243,937          | 2,368,950          | 10.7                     | 20.9        | 1.1        |
| Non-Appalachian Pennsylvania          | 5,350,762                            | 2,548,000          | 2,802,762          | 8.4                      | 16.6        | 1.0        |
| <b>South Carolina</b>                 | <b>3,566,687</b>                     | <b>1,698,750</b>   | <b>1,867,937</b>   | <b>11.0</b>              | <b>21.1</b> | <b>1.8</b> |
| Appalachian South Carolina            | 906,488                              | 434,404            | 472,084            | 9.6                      | 18.8        | 1.2        |
| Non-Appalachian South Carolina        | 2,660,199                            | 1,264,346          | 1,395,853          | 11.4                     | 21.9        | 2.0        |
| <b>Tennessee</b>                      | <b>4,892,602</b>                     | <b>2,342,643</b>   | <b>2,549,959</b>   | <b>9.9</b>               | <b>19.2</b> | <b>1.4</b> |
| Appalachian Tennessee                 | 2,192,816                            | 1,056,278          | 1,136,538          | 10.3                     | 20.1        | 1.2        |
| Non-Appalachian Tennessee             | 2,699,786                            | 1,286,365          | 1,413,421          | 9.6                      | 18.4        | 1.6        |
| <b>Virginia</b>                       | <b>6,129,622</b>                     | <b>2,934,532</b>   | <b>3,195,090</b>   | <b>11.9</b>              | <b>21.8</b> | <b>2.7</b> |
| Appalachian Virginia                  | 618,358                              | 304,735            | 313,623            | 9.3                      | 17.8        | 0.9        |
| Non-Appalachian Virginia              | 5,511,264                            | 2,629,797          | 2,881,467          | 12.1                     | 22.3        | 2.9        |
| <b>West Virginia (entire state)</b>   | <b>1,467,214</b>                     | <b>715,376</b>     | <b>751,838</b>     | <b>10.9</b>              | <b>21.1</b> | <b>1.1</b> |

Note: The ACS defines veterans as men and women who have served on active duty in the U.S. Armed Forces, the National Guard or Reserves, or in the U.S. Merchant Marine during World War II.

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

**Figure 11.1: Percent of Adult Civilians in the Appalachian Region Who Are Veterans, 2009-2013**



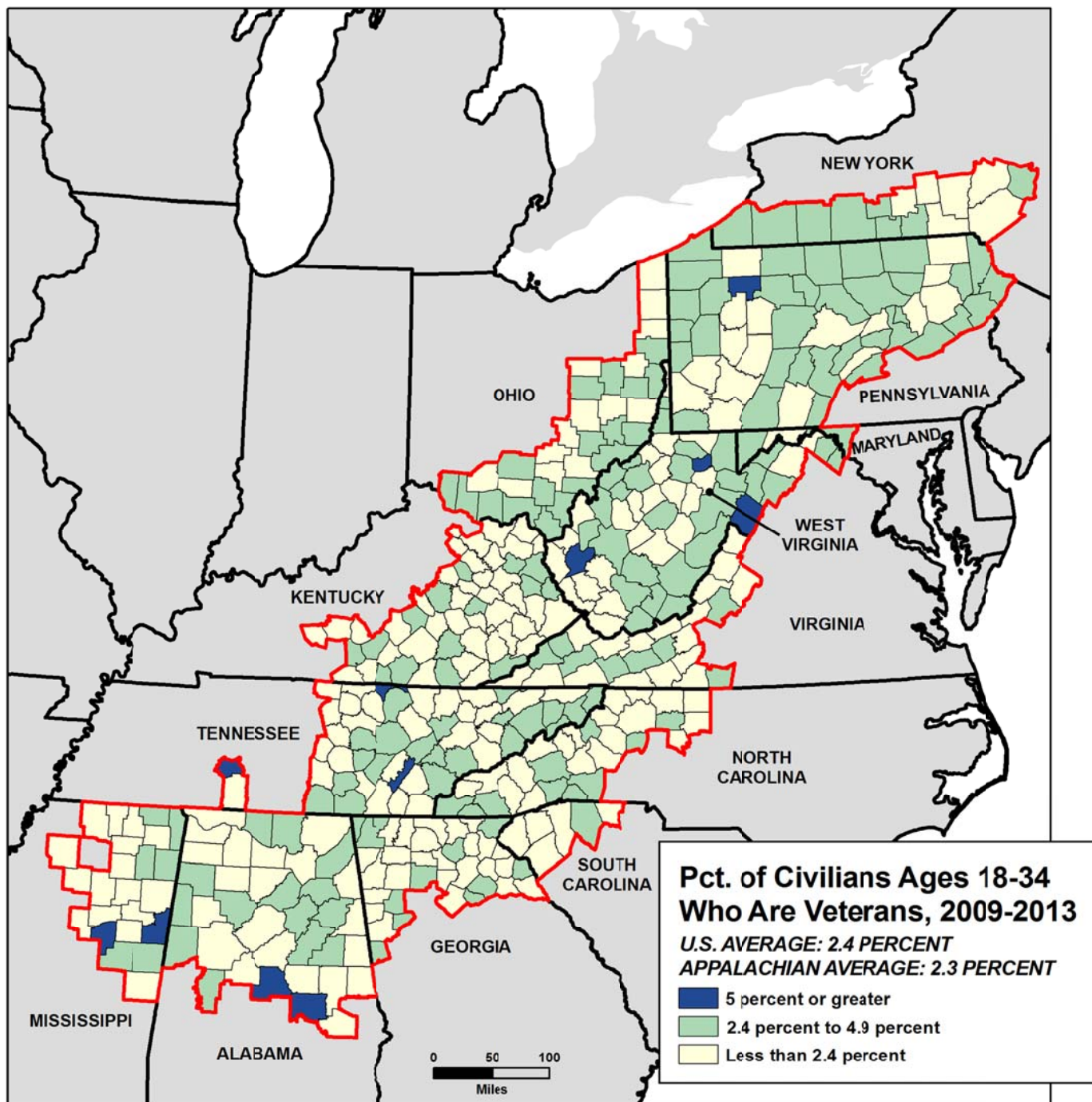
Map Title: Percent of Adult Civilians in the Appalachian Region Who Are Veterans, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In 2009-2013, slightly more than 10 percent of adult civilians in the Appalachian Region were veterans—men and women who have served on active duty in the U.S. Armed Forces, the National Guard or Reserves, or in the U.S. Merchant Marine during World War II. While slightly higher than the national average, there was considerable variation throughout the region. In 39 Appalachian counties, for example, at least one in eight civilian residents were veterans. In contrast, the veteran prevalence rate was actually lower than the national average in 125 counties.



**Figure 11.2: Percent of Civilians Ages 18 to 34 in the Appalachian Region Who Are Veterans, 2009-2013**

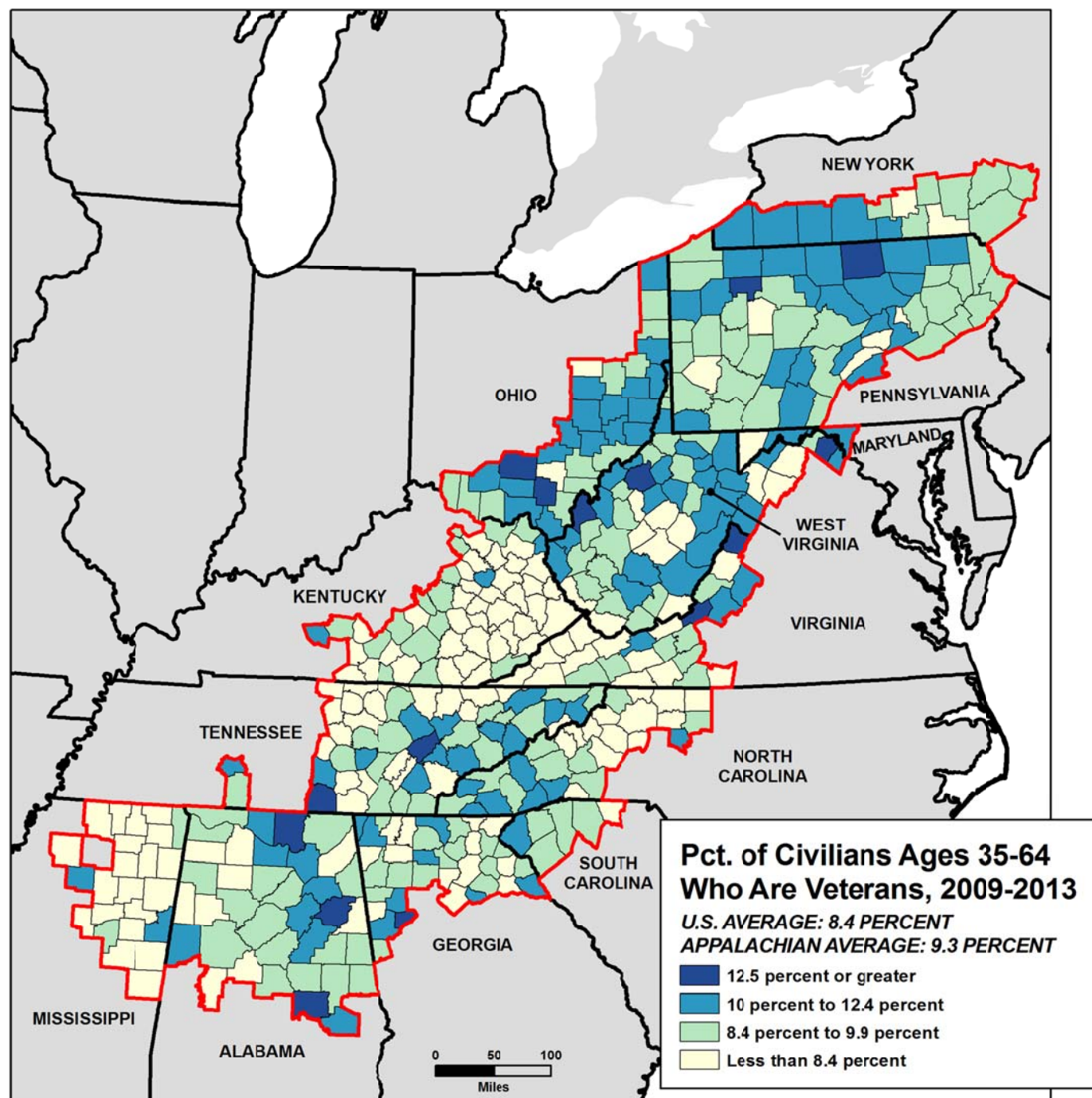


Map Title: Percent of Civilians Ages 18 to 34 in the Appalachian Region Who Are Veterans, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

Military veterans accounted for just 2.3 percent of Appalachia's young adult (ages 18-34) civilian population in the 2009-2013 period, compared to 2.4 percent for the nation as a whole. Yet in nearly half of the Region's counties, the prevalence was at or above the national rate. In fact, there were 11 Appalachian counties where at least 5 percent of 18-to-34-year-old civilians were veterans. Most veterans of the wars in Iraq and Afghanistan fall in this age group.

**Figure 11.3: Percent of Civilians Ages 35 to 64 in the Appalachian Region Who Are Veterans, 2009-2013**



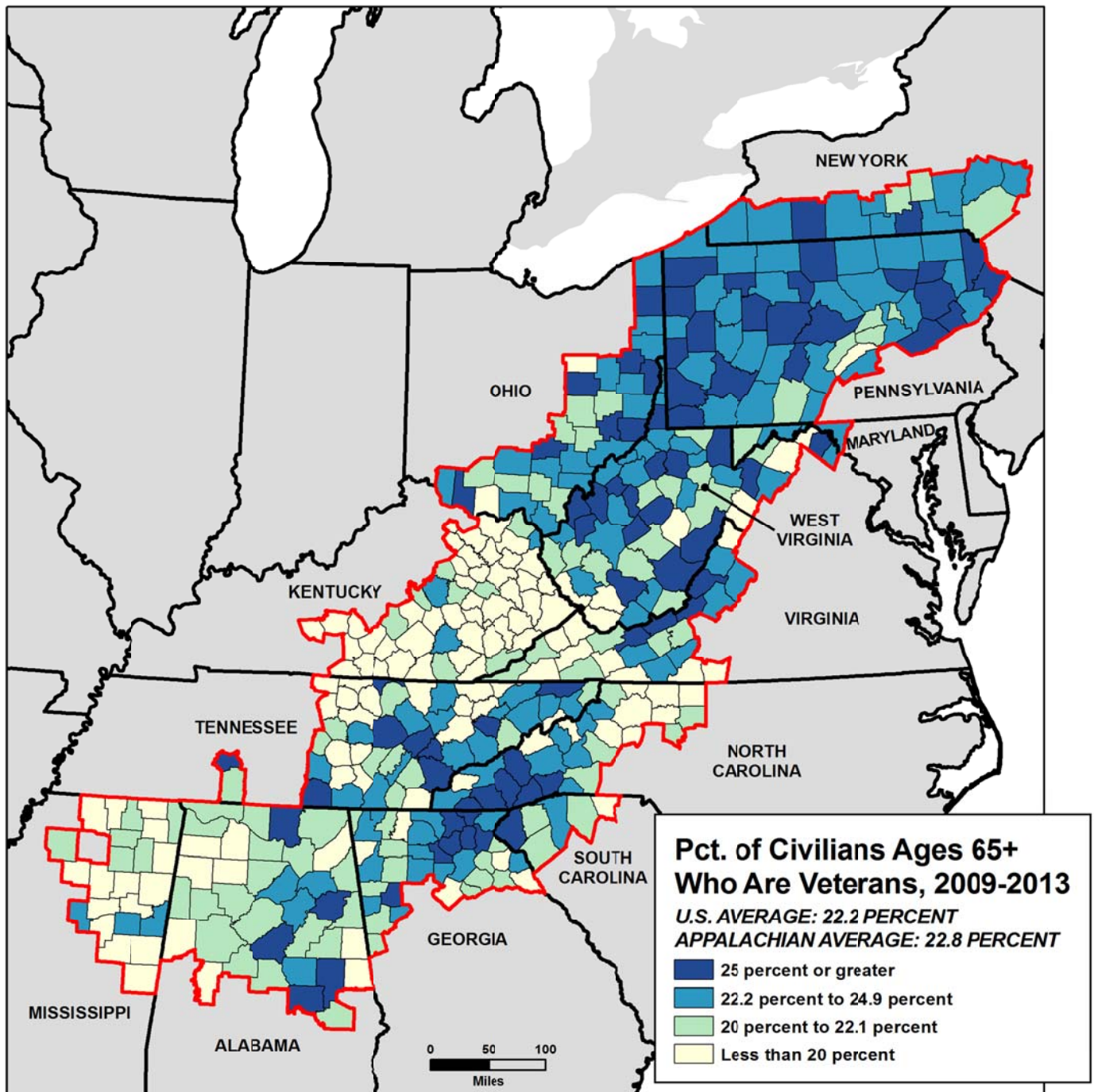
Map Title: Percent of Civilians Ages 35 to 64 in the Appalachian Region Who Are Veterans, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In the Appalachian Region, 9 percent of civilians ages 35 to 64 were military veterans in 2009-2013, slightly above the U.S. rate of 8 percent. The prevalence was even higher in some counties: In 15 of them, veterans comprised at least one-eighth of the 35-to-64-year-old civilian residents. Conversely, the veteran prevalence rate was lower than the national average in 147 counties. Most veterans of the 1991 Gulf War fall in this age group, as do the youngest Vietnam veterans.



**Figure 11.4: Percent of Civilians Ages 65 and Over in the Appalachian Region Who Are Veterans, 2009-2013**



Map Title: Percent of Civilians Ages 65 and Over in the Appalachian Region Who Are Veterans, 2009-2013

Data Source: U.S. Census Bureau, 2009-2013 American Community Survey.

In 2009-2013, nearly one-fourth of Appalachia's older civilian residents were military veterans—most of whom served during World War II and the wars in Korea and Vietnam. Yet there is some variation within the Region. For example, at least 25 percent of older civilians were veterans in 79 counties, most of which were in Northern and North Central Appalachia. By contrast, there were 120 counties where veterans comprised less than 20 percent of the older civilian residents. Almost half the counties in this latter group were in Central Appalachia, while nearly all of the rest were in South Central and Southern Appalachia.