

# Selected Health Status Indicators



Jointly produced to assist those seeking to improve health care in rural Alabama

By

The Office of Primary Care and Rural Health,  
Alabama Department of Public Health  
and  
The Alabama Rural Health Association

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**April 2013**

**SELECTED HEALTH STATUS INDICATORS**  
**United States, Alabama, and Tuscaloosa County**

| <b>Indicators</b>  | <b>United States</b>          |                      | <b>Alabama</b>                          |                      | <b>Tuscaloosa County</b> |                            |
|--|-------------------------------|----------------------|---|----------------------|--------------------------|----------------------------|
|  | <b>Number</b>                 | <b>Pct. of Total</b> | <b>Number</b>                           | <b>Pct. of Total</b> | <b>Number</b>            | <b>Pct. of Total</b>       |
| <b>2011 Population</b>   |                               |                      |   |                      |                          |                            |
| Total  | 311,591,917                   | 100.0                | 4,802,740                               | 100.0                | 197,211                  | 100.0                      |
| African American (alone)   | 40,750,746                    | 13.1                 | 1,271,695                               | 26.5                 | 59,131                   | 30.0                       |
| White (alone)  | 243,470,497                   | 78.1                 | 3,368,118                               | 70.1                 | 132,722                  | 67.3                       |
| American Indian (alone)  | 3,814,772                     | 1.2                  | 33,298                                  | 0.7                  | 659                      | 0.3                        |
| Asian (alone)  | 15,578,383                    | 5.0                  | 57,155                                  | 1.2                  | 2,564                    | 1.3                        |
| Hispanic   | 52,045,277                    | 16.7                 | 193,868                                 | 4.0                  | 6,205                    | 3.1                        |
| Age 19 Years or Less   | 82,809,903                    | 26.6                 | 1,265,680                               | 26.4                 | 53,185                   | 27.0                       |
| Age 65 Years or More   | 41,394,141                    | 13.3                 | 672,586                                 | 14.0                 | 21,539                   | 10.9                       |
| Age 85 Years or More   | 5,737,173                     | 1.8                  | 77,743                                  | 1.6                  | 2,683                    | 1.4                        |
| <b>Population Change</b>   | <b>Number</b>                 | <b>Pct. Change</b>   | <b>Number</b>                           | <b>Pct. Change</b>   | <b>Number</b>            | <b>Pct. Change</b>         |
| 1910 – 2010  | 91,972,266 to<br>308,745,538  | 235.7                | 2,138,093 to<br>4,779,736               | 123.6                | 47,559 to<br>194,656     | 309.3                      |
| 2010 – 2040 Projected  | 308,745,538 to<br>380,016,000 | 23.1                 | 4,779,736 to<br>5,567,024               | 16.5                 | 194,656 to<br>246,924    | 26.9                       |
| Age 65+: 2010 – 2040 Projected                                   | 40,267,984 to<br>79,719,000   | 98.0                 | 657,792 to<br>1,199,853                 | 82.4                 | 21,050 to<br>41,551      | 97.4                       |
| Hispanic: 1990 – 2011  | 22,354,059 to<br>52,045,277   | 132.8                | 24,629 to<br>193,868                    | 687.2                | 948 to<br>6,205          | 554.5                      |
| <b>Income Related Indicators</b>                                 | <b>Number</b>                 | <b>Measure</b>       | <b>Number</b>                           | <b>Measure</b>       | <b>Number</b>            | <b>Measure</b>             |
| Population Below Poverty Level – 2011                            | 48,452,035                    | 15.9%                | 896,117                                 | 19.1%                | 37,718                   | 20.2%                      |
| Children Under 18 Below Poverty Level - 2011                     | 16,386,500                    | 22.5%                | 307,310                                 | 27.6%                | 10,967                   | 26.6%                      |
| Population Under 200% Poverty Level (2006-2011)                  | 97,686,522                    | 32.7%                | 1,783,196                               | 38.5%                | 68,152                   | 37.3%                      |
| Per Capita Personal Income – 2011                                | N.A.                          | \$41,560             | N.A.                                    | \$34,880             | N.A.                     | \$34,724                   |
| Medicaid Eligible Population – 2011                              | N.A.                          | N.A.                 | 1,070,781                               | 22.3%                | 38,645                   | 19.6%                      |
| Medicaid Eligible Children (Under 21) - 2011                     | N.A.                          | N.A.                 | 618,137                                 | 46.9%                | 22,356                   | 38.1%                      |
| Medicaid Births - 2011   | N.A.                          | N.A.                 | 31,498                                  | 53.1%                | 1,201                    | 50.9%                      |
| <b>Access to Health Care Indicators</b>                          | <b>Number</b>                 | <b>Measure</b>       | <b>Number</b>                           | <b>Measure</b>       | <b>Number</b>            | <b>Measure<sup>1</sup></b> |
| Primary Care Physicians – 2012 (Per 10,000 Population)           | 208,807                       | 6.8 (2010)           | 3,056                                   | 6.4                  | 149                      | 7.6                        |
| Dentists – 2013 (Per 10,000 Pop.)                                | 155,700                       | 5.0 (2010)           | 2,141                                   | 4.4                  | 85                       | 4.3                        |
| Psychiatrists – 2012 (Per 10,000 Pop.)                           | 39,738                        | 1.3                  | 326                                     | 0.7                  | 39                       | 2.0                        |
| General Hospital Authorized Beds – 2013 (Per 10,000 Population)  | N.A.                          | N.A.                 | 16,475                                  | 34.3                 | 787                      | 39.9                       |
| Is there a hospital providing obstetrical service in the county? | N.A.                          | N.A.                 | YES in 31 counties<br>NO in 36 counties |                      | Yes                      |                            |

**SELECTED HEALTH STATUS INDICATORS - continued**  
**United States, Alabama, and Tuscaloosa County**

| <b>Indicators</b>   | <b>United States</b>         |                              | <b>Alabama</b>               |                              | <b>Tuscaloosa County</b>     |  |
|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--|
|   | <b>Number</b>                | <b>Measure</b>               | <b>Number</b>                | <b>Measure</b>               | <b>Number</b>                | <b>Measure<sup>1</sup></b>               |
| <b>Access to Health Care Indicators – continued</b>                                       |                              |                              |                              |                              |                              |  |
| Households With No Vehicle  | 10,397,000                   | 9.1% (2010)                  | 119,611                      | 6.6% (2010)                  | 4,631                        | 7.0% (2010)                              |
| Uninsured Population Under 65 Years of Age - 2010   | 46,556,803                   | 17.7%                        | 681,437                      | 16.9%                        | 28,690                       | 17.5%                                    |
| Dialysis Patients and Dialysis Patients per Dialysis Station – 2013                       | N.A                          | N.A.                         | 7,584                        | 3.2                          | 260                          | 3.1                                      |
| <b>Cause of Death Indicators (Includes all causes with 950 or more deaths statewide.)</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.<sup>1</sup></b> |
| <b>All Causes</b>   | <b>7,418,471</b>             | <b>800.9</b>                 | <b>143,493</b>               | <b>1,000.6</b>               | <b>4,876</b>                 | <b>834.6</b>                             |
| Septicemia  | 105,990                      | 11.4                         | 2,644                        | 18.4                         | 110                          | 18.8                                     |
| <b>Cancer</b>   | <b>1,717,684</b>             | <b>185.4</b>                 | <b>30,564</b>                | <b>213.1</b>                 | <b>951</b>                   | <b>162.8</b>                             |
| Colon, Rectum, and Anus   | 157,259                      | 17.0                         | 2,694                        | 18.8                         | 88                           | 15.1                                     |
| Liver and Intrahepatic Bile Ducts   | 61,176                       | 6.6                          | 966                          | 6.7                          | 20                           | 3.4                                      |
| Pancreas  | 109,887                      | 11.9                         | 1,813                        | 12.6                         | 59                           | 10.1                                     |
| Trachea, Bronchus, and Lung   | 473,090                      | 51.1                         | 9,644                        | 67.2                         | 304                          | 52.0                                     |
| Breast (female)   | 122,508                      | 26.0                         | 1,974                        | 26.8                         | 64                           | 21.2                                     |
| Prostate (male)   | 84,578                       | 18.6                         | 1,611                        | 23.1                         | 50                           | 17.6                                     |
| Non-Hodgkin's Lymphoma  | 60,904                       | 6.6                          | 960                          | 6.7                          | 24                           | 4.1                                      |
| Leukemia  | 68,157                       | 7.4                          | 1,148                        | 8.0                          | 43                           | 7.4                                      |
| Diabetes Mellitus   | 211,058                      | 22.8                         | 3,840                        | 26.8                         | 91                           | 15.6                                     |
| Parkinson's Disease   | 65,704                       | 7.1                          | 1,075                        | 7.5                          | 24                           | 4.1                                      |
| Alzheimer's Disease   | 247,188                      | 26.7                         | 4,498                        | 31.4                         | 127                          | 21.7                                     |
| <b>Major Cardiovascular Diseases</b>  | <b>2,339,340</b>             | <b>252.6</b>                 | <b>46,705</b>                | <b>325.7</b>                 | <b>1,521</b>                 | <b>260.3</b>                             |
| <b>Heart Diseases</b>   | <b>1,793,441</b>             | <b>193.6</b>                 | <b>35,879</b>                | <b>250.2</b>                 | <b>1,107</b>                 | <b>189.5</b>                             |
| Hypertensive Heart Disease  | 100,218                      | 10.8                         | 1,226                        | 8.5                          | 77                           | 13.2                                     |
| Ischemic Heart Diseases   | 1,140,484                    | 123.1                        | 16,558                       | 115.5                        | 368                          | 63.0                                     |
| Acute Myocardial Infarction   | 367,267                      | 39.7                         | 7,593                        | 52.9                         | 133                          | 22.8                                     |
| Heart Failure   | 173,711                      | 18.8                         | 5,769                        | 40.2                         | 243                          | 41.6                                     |
| Cerebrovascular Diseases (Stroke)   | 387,249                      | 41.8                         | 7,786                        | 54.3                         | 272                          | 46.6                                     |
| Pneumonia   | 152,507                      | 16.5                         | 2,755                        | 19.2                         | 123                          | 21.1                                     |
| Chronic Lower Respiratory Diseases  | 418,815                      | 45.2                         | 8,498                        | 59.3                         | 244                          | 41.8                                     |
| Chronic Liver Disease and Cirrhosis   | 96,000                       | 10.4                         | 1,539                        | 10.7                         | 54                           | 9.2                                      |

**SELECTED HEALTH STATUS INDICATORS - continued**  
**United States, Alabama, and Tuscaloosa County**

| <b>Indicators</b>  | <b>United States</b>         |                              | <b>Alabama</b>               |                              | <b>Tuscaloosa County</b>     |  |
|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--|
| <b>Cause of Death Indicators (Includes all causes with 950 or more deaths statewide.)</b>    | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.<sup>1</sup></b> |
| <b>Nephritis, Nephrotic Syndrome, and Nephrosis</b>  | <b>145,142</b>               | <b>15.7</b>                  | <b>3,410</b>                 | <b>23.8</b>                  | <b>132</b>                   | <b>22.6</b>                              |
| Renal Failure  | 131,884                      | 14.2                         | 3,183                        | 22.2                         | 126                          | 21.6                                     |
| <b>Accidents</b>   | <b>361,657</b>               | <b>39.0</b>                  | <b>7,307</b>                 | <b>51.0</b>                  | <b>284</b>                   | <b>48.6</b>                              |
| Motor Vehicle Accidents  | 106,225                      | 11.5                         | 2,723                        | 19.0                         | 81                           | 13.9                                     |
| Poisoning and Exposure to Noxious Substances   | 98,353                       | 10.6                         | 1,571                        | 11.0                         | 78                           | 13.4                                     |
| Intentional Self-Harm (suicide)  | 113,558                      | 12.3                         | 1,983                        | 13.8                         | 75                           | 12.8                                     |
| Assault (homicide)   | 49,011                       | 5.3                          | 1,181                        | 8.2                          | 38                           | 6.5                                      |
| <b>Causes of Death Groupings of Special Interest</b>   |                              |                              |                              |                              |                              |  |
| <b>Cause of Death Indicators</b>   | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2009 - 2011</b> | <b>Rate per 100,000 Pop.<sup>1</sup></b> |
| Firearm Deaths (intentional self-harm, assault, legal intervention, and undetermined intent) | 95,182                       | 10.3                         | 2,387                        | 16.6                         | 85                           | 14.5                                     |
| Drug-Induced Deaths  | 119,779                      | 12.9                         | 1,812                        | 12.6                         | 80                           | 13.7                                     |
| Alcohol-Induced Deaths   | 76,466                       | 8.3                          | 748                          | 5.2                          | 23                           | 3.9                                      |
| <b>Cancer Incidence and Rates by Site and County</b>   |                              |                              |                              |                              |                              |  |
| <b>Indicators</b>  | <b>United States</b>         |                              | <b>Alabama</b>               |                              | <b>Tuscaloosa County</b>     |  |
| <b>Cancer Site</b>   | <b>Number in 2000 - 2009</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2000 - 2009</b> | <b>Rate per 100,000 Pop.</b> | <b>Number in 2000 - 2009</b> | <b>Rate per 100,000 Pop.<sup>1</sup></b> |
| All Sites  | N.A.                         | N.A.                         | 225,026                      | 459.9                        | 7,510                        | 469.8                                    |
| Lung   | N.A.                         | N.A.                         | 37,608                       | 76.1                         | 1,189                        | 74.7                                     |
| Colorectal   | N.A.                         | N.A.                         | 24,344                       | 49.8                         | 836                          | 52.7                                     |
| Oral   | N.A.                         | N.A.                         | 6,187                        | 12.5                         | 159                          | 9.9                                      |
| Melanoma   | N.A.                         | N.A.                         | 8,152                        | 17.0                         | 282                          | 17.5                                     |
| Prostate   | N.A.                         | N.A.                         | 33,711                       | 155.8                        | 1,090                        | 153.8                                    |
| Breast (Female, only)  | N.A.                         | N.A.                         | 31,171                       | 117.3                        | 1,111                        | 126.8                                    |
| Cervix   | N.A.                         | N.A.                         | 2,190                        | 9.0                          | 67                           | 8.0                                      |

**SELECTED HEALTH STATUS INDICATORS - continued**  
**United States, Alabama, and Tuscaloosa County**

| Indicators  | United States  |                | Alabama       |                | Tuscaloosa County |                      |
|---|----------------|----------------|---------------|----------------|-------------------|----------------------|
|   | Number         | Measure        | Number        | Measure        | Number            | Measure <sup>1</sup> |
| <b>Nativity Related Indicators</b>  |                |                |               |                |                   |                      |
| Infant Mortality 2009-2011 – (Per 1,000 Births)   | 74,908         | 6.2            | 1,516         | 8.3            | 79                | 10.8                 |
| Low Weight Births – 2011 (Percent of All Births)  | 325,563 (2010) | 8.1 %          | 5,908         | 10.0 %         | 262               | 11.1%                |
| Births to Teens (10-19) – 2011 (Percent of All Births)  | 372,175 (2010) | 9.3 %          | 6,697         | 11.3 %         | 250               | 10.6%                |
| Births With Less Than Adequate Prenatal Care – 2011 (Percent of All Births)                     | N.A.           | N.A.           | 15,986        | 27.2 %         | 634               | 27.4%                |
| Caesarian Births – 2011 (Percent of All Births)   | 1,309,182      | 32.8 %         | 20,980        | 35.4 %         | 830               | 35.1%                |
| Tobacco Use During Pregnancy – 2011 (Percent of All Births)                                     | N.A.           | N.A.           | 6,289         | 10.6 %         | 223               | 9.4%                 |
| Births to Undereducated Women – 2011 (Percent of All Births)                                    | N.A.           | N.A.           | 9,295         | 15.7 %         | 317               | 13.6%                |
| Births to Unmarried Women – 2011 (Percent of All Births)  | 1,633,471      | 40.8% (2010)   | 24,946        | 42.1%          | 1,053             | 44.6%                |
| Preterm Births – 2009 - 2011 (Percent of All Births)  | 478,790        | 12.0% (2010)   | 29,096        | 16.0%          | 1,204             | 16.5%                |
| Births for Which Diabetes was Reported as a Risk Factor – 2007-2011 (Per 1,000 Live Births)     | 201,218        | 50.5 (2010)    | 13,510        | 45.5           | 530               | 44.9                 |
| <b>Other Indicators</b>   | <b>Number</b>  | <b>Measure</b> | <b>Number</b> | <b>Measure</b> | <b>Number</b>     | <b>Measure</b>       |
| Age 25+ With Less Than High School Education – 2007-2011  | 29,518,935     | 14.6 %         | 567,670       | 18.1 %         | 16,568            | 14.7%                |
| Public School Graduation Rates - 2011   | N.A.           | 78.0 % (2010)  | 45,221        | 71.8 %         | 1,565             | 66.7%                |
| Receiving Medicare Disability – 2010 (Percent of Total Population)                              | 7,735,377      | 2.5 %          | 203,252       | 4.3 %          | 8,212             | 4.2%                 |
| Adult Obesity – 2010 (Percent of Total Population Aged 20 Years or More)                        | 56,369,496     | 25 %           | 1,153,068     | 33 %           | 49,542            | 35%                  |
| Adult Smoking - 2010 (Percent of Total Population Aged 18+ Years)                               | 32,838,970     | 14 %           | 838,874       | 23 %           | 35,160            | 23%                  |
| Excessive Drinking - 2010 (Percent of Total Population Aged 18+ Years)                          | 18,765,126     | 8 %            | 437,673       | 12 %           | 19,873            | 13%                  |
| Life Expectancy at Birth - 2011   | 78.7 years     |                | 75.7 years    |                | 75.7 years        |                      |
| Sexually Transmitted Disease Cases Reported – January 2012 through March 2013 (Per 10,000 Pop.) | N.A.           | N.A.           | 47,608        | 99.1           | 2,331             | 118.2                |

| <b>SELECTED HEALTH STATUS INDICATORS - continued</b>   |                      |                |                |                |                          |                            |
|--|----------------------|----------------|----------------|----------------|--------------------------|----------------------------|
| <b>United States, Alabama, and Tuscaloosa County</b>   |                      |                |                |                |                          |                            |
| <b>Indicators</b>  | <b>United States</b> |                | <b>Alabama</b> |                | <b>Tuscaloosa County</b> |                            |
| <b>Other Indicators</b>  | <b>Number</b>        | <b>Measure</b> | <b>Number</b>  | <b>Measure</b> | <b>Number</b>            | <b>Measure<sup>1</sup></b> |
| New HIV Cases – 2009 through 2011<br>(Per 100,000 Population) NOTE:<br>Number of cases is not released in<br>counties where this is less than five.                        | 145,614              | 15.7           | 2,093          | 14.6           | 82                       | 14.0                       |
| Child Abuse and Neglect Cases<br>Reported to Child Protective Services<br>for Investigation– October 2009<br>through September 2011 (Per 1,000<br>population Under Age 18) | N.A.                 | N.A.           | 39,581         | 17.5           | 988                      | 11.8                       |
| Adults Involved in Reported Abuse<br>and Neglect Cases – October 2010<br>through September 2012 (Per 10,000<br>Adults Aged 18+ Years.                                      | N.A.                 | N.A.           | 8,729          | 23.9           | 129                      | 8.4                        |

<sup>1</sup>Rates, percentages, etc based upon fewer than 16 events may not be statistically reliable for specific analyses. “N.A.” is given for such indicators. Numbers of events, as well as measurements, are indicated using “N.A.” for some indicators in accordance with the data owner’s policy of not publishing smaller numbers of events.

### **Sources of Information and Special Notes**

**2011 Population Estimates:** Alabama State Data Center, The University of Alabama, 2011 Population Estimates and Projections, [http://cber.cba.ua.edu/edata/est\\_prj.html](http://cber.cba.ua.edu/edata/est_prj.html) and, 2011 Population Estimates Data, <http://www.census.gov/popest/data/index.html>

**Population Change 1910-2010:** U.S. Census Bureau, County Population Census Counts 1900-90, <http://www.census.gov/population/cencounts/al190090.txt> for 1910 data; U.S. Census Bureau, American FactFinder, Census 2010 Summary File 1 (SF 1) 100-Percent Data for 2010 data.

**Population Change 2000-2040:** U.S. Census Bureau, National Population Projections, Interim Projections 2000-2050 based on Census 2000. <http://www.census.gov/population/www/projections/natproj.html>. Alabama State Data Center, Alabama County Population 2000-2010 and Projections 2015-2040. [http://cber.cba.ua.edu/edata/est\\_prj.html](http://cber.cba.ua.edu/edata/est_prj.html)

**Hispanic Population Change 1990-2011:** U.S. Census Bureau, American FactFinder, Census 1990 Summary File 1 (STF 1) 100-Percent Data for 1990 data and 2011 Population Estimates Data, <http://www.census.gov/popest/data/index.html>.

**Population Below Poverty Level - 2011:** U.S. Census Bureau, Small Area Income and Poverty Estimates, <http://www.census.gov/did/www/saipe/data/statecounty/data/2011.html>

**Children Under 18 Below Poverty Level - 2011:** U.S. Census Bureau, Small Area Income and Poverty Estimates, <http://www.census.gov/did/www/saipe/data/statecounty/data/2011.html>

**Population Under 200% Poverty Level (2006-2011):** American Community Survey, 5-year data for 2007-2011, Table C17002.

**2011 Per Capita Personal Income:** U.S. Bureau of Economic Analysis, Interactive Tables: Local Area Personal Income, Table CA1-3.  
<http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>

**Medicaid Eligible Population - 2011:** Alabama Medicaid Agency, 2011 Statistics by County. [http://medicaid.alabama.gov/CONTENT/2.0\\_Newsroom/2.6\\_Statistics.aspx](http://medicaid.alabama.gov/CONTENT/2.0_Newsroom/2.6_Statistics.aspx)

**Medicaid Eligible Children (Under 21) - 2011:** Alabama Medicaid Agency, 2011 Statistics by County.  
[http://medicaid.alabama.gov/CONTENT/2.0\\_Newsroom/2.6\\_Statistics.aspx](http://medicaid.alabama.gov/CONTENT/2.0_Newsroom/2.6_Statistics.aspx)

**Medicaid Births - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File.

**Primary Care Physicians in 2012:** Medical Licensure Commission, Licensed Physician Data Base – 2012. National data is for 2010 and is obtained from the American Medical Association's 2010 Physician Master File. National data was obtained from the Agency for Healthcare Research and Quality's on-line publication, Primary Care Workforce Facts and Stats #1, at <http://www.ahrq.gov/research/pcwork1.htm>. All data has been adjusted to exclude licensed retirees and include only those actively practicing primary care. (In this publication, primary care physicians include family practitioners, internal medicine specialists, pediatricians, gerontologists, and obstetricians and gynecologists.)

**Dentists in 2013:** Board of Dental Examiners of Alabama, Licensed dentists data base - 2013. National data is for 2010 and is obtained from the Bureau of Labor Statistics at [http://www.bls.gov/emp/ep\\_table\\_102.htm](http://www.bls.gov/emp/ep_table_102.htm).

**Psychiatrists in 2012:** Medical Licensure Commission, Licensed Physician Data Base – 2012. National data is for 2010 and is obtained from the American Medical Association, Physician Characteristics and Distribution in the US 2012, Table 1.2.

**Hospital Beds in 2013:** Alabama Department of Public Health, Division of Provider Services, Healthcare Facilities Directory – Hospital Section. March 21, 2013.  
<http://www.adph.org/HEALTHCAREFACILITIES/Default.asp?id=5349>.

**Obstetrical Hospitals:** Center for Health Statistics 2013 Birth Master File, special inquiry, February 28, 2013.

**Households With No Vehicle in 2010:** U.S. Census Bureau, American FactFinder, American Community Survey – 2010 or 2008-2010 or 2006-2010, Table B08210 – Household Size by Vehicles Available. Estimates are for 1-year, 3-years, or 5-years according to the population of each county.

**Uninsured Persons Under Age 65 - 2010:** U.S. Census Bureau, Model-based Small Area Health Insurance Estimates (SAHIE) for Counties and States.  
<http://www.census.gov/did/www/sahie/index.html>

**Dialysis Patients and Dialysis Patients per Dialysis Station – 2013:** Dialysis patients data by county was obtained by special request from Network 8, Inc. (<http://www.esrdnetwork8.org>) dated May 31, 2011. Dialysis stations by county was obtained from the *Healthcare Facilities Directory*, Alabama Department of Public Health ([http://ph.state.al.us/facilitiesdirectory/\(S\(qc1vsw45hfl2iw45vzbwini\)\)/Default.aspx](http://ph.state.al.us/facilitiesdirectory/(S(qc1vsw45hfl2iw45vzbwini))/Default.aspx)).

**Cause of Death Indicators:** Alabama Department of Public Health, Center for Health Statistics, Special queries of the 2009, 2010, and 2011 Mortality Statistics Files for Alabama data. Centers for Disease Control and Prevention, CDC Wonder Interactive Program, Detailed Mortality files for 2009 and 2010 (<http://wonder.cdc.gov/>). Deaths – Preliminary Data for 2011, Vol. 61, Number 6, October 10, 2012, Table 2. (Cause of death data included in this publication is not age-adjusted)

**Cancer Incidence and Rates by Site and County** – Alabama Cancer Facts & Figures 2011, Alabama Statewide Cancer Registry, Alabama Department of Public Health, Tables 3, 4, and 5. <http://www.adph.org/ascr/assets/2011FactsFigures.pdf>

**Infant Mortality Rate - 2009-2011;** Alabama Department of Public Health, Center for Health Statistics, [http://www.adph.org/healthstats/assets/Total\\_Inf\\_Mort09\\_11.pdf](http://www.adph.org/healthstats/assets/Total_Inf_Mort09_11.pdf). National Data: CDC WONDER Online Data Inquiry System, 2009 and 2010 Birth and Detailed Mortality data, <http://wonder.cdc.gov/>, National Vital Statistics Reports, Deaths: Preliminary Data for 2011, [http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_06.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_06.pdf) and Recent Trends in Births and Fertility Rates Through December 2011, [http://www.cdc.gov/nchs/data/hestat/births\\_fertility\\_december\\_2011/births\\_fertility\\_december\\_2011.pdf](http://www.cdc.gov/nchs/data/hestat/births_fertility_december_2011/births_fertility_december_2011.pdf).

**Low Weight Births - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File and CDC WONDER Online Data Inquiry System, 2010 Births. (Births weighing less than 2,500 grams or 5 pounds and 8 ounces are defined as being of low weight.)

**Births to Teenagers (Age 10-19) - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File and CDC WONDER Online Data Inquiry System, 2010 Births.

**Births With Less Than Adequate Prenatal Care - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File. (The Kotelchuck Index is used in determining adequacy of prenatal care. This index primarily considers the date when prenatal care was begun and the number of visits in determining adequacy.)

**Caesarian Births - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File and CDC WONDER Online Data Inquiry System, 2010 Births.

**Births With Tobacco Use During Pregnancy - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File.

**Births to Undereducated Women - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File. (Women are considered to be “undereducated” when their years of education is at least two years less than what would be expected for someone of their age.)

**Births to Unmarried Women - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2011 Birth Statistics File. National data: National Vital Statistics Reports, Vol. 61, No. 1, August 28, 2012, Final Data for 2010, Supplemental Tables, [http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_01\\_tables/pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_01_tables/pdf)

**Preterm Births – 2009 - 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2009-2011 Birth Statistics Files. National data: National Vital Statistics Reports, Vol. 61, No. 1, August 28, 2012, Final Data for 2010, Supplemental Tables, [http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_01\\_tables/pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_01_tables/pdf) Preterm births are those with a calculated gestation of less than 37 full weeks of pregnancy.

**Births for Which Diabetes was Reported as a Risk Factor – 2007- 2011:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2007-2011 Birth Statistics Files. National data: National Vital Statistics Reports, Vol. 61, No. 1, August 28, 2012, Final Data for 2010, Supplemental Tables, [http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61\\_01\\_tables/pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_01_tables/pdf)

**Age 25+ With Less Than High School Education – 2007-2011:** U.S. Census Bureau, American FactFinder, American Community Survey for 2007-2011, Table B15002.

**Public School Graduation Rates – 2011:** Alabama Kids Count Data Book – 2012, pp.31-98. [http://www.alavoices.org/files/12\\_AKC-DataBook.pdf](http://www.alavoices.org/files/12_AKC-DataBook.pdf) National data: National Center for Education Statistics.

The number of students who graduated from public high schools in Alabama in 2011 with regular, advanced, and credit-based diplomas expressed as a percentage of the total number of students who enrolled as first year freshmen four years earlier (or in 2007-2008). While the denominator used in computing the rate includes graduates, completers, students still enrolled, students withdrawn but still enrolled, students who enrolled but failed to attend, dropouts, and “others,” it does not include students in the class of 2007-2008 who were retained from later classes. Data are adjusted for students who transferred into, and out of, the cohort over the four-year period. This method of measuring the graduation rate is referred to as the “four-year cohort graduation rate” and reflects efforts to conform to the National Governor’s Association recommendation in 2005 that states implement a common measure of graduation beginning with the 2010-2011 academic year. However, the methodology used in computing the cohort graduation rate remains subject to variation from one state to another

**Persons Receiving Medicare Disability - 2010:** Centers for Medicare and Medicaid Services, Medicare Aged and Disabled by State and County as of July 1, 2010. <http://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/MedicareEnrpts/Downloads/County2010.pdf>

**Adult Obesity - Percent of Population Aged 20+ in 2010:** County Health Rankings & Roadmaps. The adult obesity measure represents the percent of the adult population (age 20 and older) that has a body mass index (BMI) greater than or equal to 30 kg/m<sup>2</sup>. Estimates of obesity prevalence by county were calculated by the CDC’s National



Center for Chronic Disease Prevention and Health Promotion, Division of Diabetes Translation, using multiple years of Behavioral Risk Factor Surveillance System (BRFSS) data. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone.

**Adult Smoking - Percent of Population Aged 18+ in 2010:** County Health Rankings & Roadmaps. This measure was calculated by the National Center for Health Statistics using data from the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. The estimates are based on seven years of data.

**Excessive Drinking - Percent of Population Aged 18+ in 2010:** County Health Rankings & Roadmaps. This measure was calculated by the National Center for Health Statistics using data from the Centers for Disease Control and Prevention's Behavioral Risk Factor Surveillance System (BRFSS), a random-digit dial survey. BRFSS data are representative of the total non-institutionalized U.S. population over 18 years of age living in households with a land-line telephone. The estimates are based on seven years of data.

**Life Expectancy at Birth - 2011:** Alabama Department of Public Health, Center for Health Statistics, special request and Deaths – Preliminary Data for 2011, Vol. 61, Number 6, October 10, 2012, Table 6.

**Sexually Transmitted Disease Cases – January 2011 through March 2012:** Alabama Department of Public Health, Division of STD Prevention and Control, Statistics, 2011 and 2012. <http://www.adph.org/STD/Default.asp?id=1080>

**New HIV Cases – 2009 through 2011:** Alabama Department of Public Health (ADPH), HIV Surveillance Branch. Any analyses, interpretation or conclusions reached from this data are those of the user and not the HIV Surveillance Branch. National data: HIV Surveillance Report, Diagnosis of HIV Infection in the United States and Dependent Areas, 2011, Vol.23, Table 1a. Note that national data is estimated to account for reporting delays and missing transmission.

**Child Abuse and Neglect Cases Reported to Child Protective Services for Investigation – October 2009 through September 2011:** Alabama Department of Human Resources, Child Protective Services, special request for FY 2010 and FY 2011. Please note that it is possible for there to be more than one report on the same family and the number of reports does not correspond with the number of children since reports can involve more than one child in a family.

**Adults Involved in Reported Abuse and Neglect Cases – October 2010 through September 2012 :** Alabama Department of Human Resources, Adult Protective Services, special request for FY 2011 and FY 2012. Please note that it is possible for there to be more than one report on the same adult.

This and other county reports are available online at [www.Arhaonline.org](http://www.Arhaonline.org) or [www.adph.org/ruralhealth/](http://www.adph.org/ruralhealth/)

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For additional information please contact the Office of Primary Care and Rural Health Development at (334) 206-5396 or the Alabama Rural Health Association at (334) 546-3502.