

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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February 2009

SELECTED HEALTH STATUS INDICATORS
United States, Alabama, and Calhoun County

| Indicators | United States | | Alabama | | Calhoun County | |
|---|-------------------------------|----------------------|---------------------------|----------------------|-----------------------|----------------------------|
| | Number | Pct. of Total | Number | Pct. of Total | Number | Pct. of Total |
| 2007 Population | | | | | | |
| Total | 301,621,157 | 100.0 | 4,627,851 | 100.0 | 113,103 | 100.0 |
| African American (alone) | 38,756,452 | 12.8 | 1,224,496 | 26.5 | 22,428 | 19.8 |
| White (alone) | 241,166,890 | 80.0 | 3,287,453 | 71.0 | 88,187 | 78.0 |
| American Indian (alone) | 2,938,436 | 1.0 | 24,315 | 0.5 | 487 | 0.4 |
| Asian (alone) | 13,366,154 | 4.4 | 44,086 | 1.0 | 831 | 0.7 |
| Hispanic | 45,504,311 | 15.1 | 124,741 | 2.7 | 2,573 | 2.3 |
| Age 19 Years or Less | 82,361,752 | 27.3 | 1,251,776 | 27.0 | 29,483 | 26.1 |
| Age 65 Years or More | 37,887,958 | 12.6 | 707,781 | 15.3 | 16,719 | 14.8 |
| Age 85 Years or More | 5,512,298 | 1.8 | 82,025 | 1.8 | 2,081 | 1.8 |
| Population Change | Number | Pct. Change | Number | Pct. Change | Number | Pct. Change |
| 1910 – 2000 | 91,972,266 to 281,421,906 | 206.0 | 2,138,093 to 4,447,100 | 108.0 | 39,115 to 112,249 | 187.0 |
| 2000 – 2025 Projected | 281,421,906 to 349,695,000 | 24.3 | 4,447,100 to 5,385,997 | 21.1 | 112,249 to 112,472 | 0.2 |
| Age 65+: 2000 – 2025 Projected | 34,991,753 to 63,042,500 | 80.2 | 579,907 to 999,769 | 72.4 | 15,872 to 22,520 | 41.9 |
| Hispanic: 1990 – 2007 Estimated | 22,354,059 to 45,504,311 | 103.6 | 24,629 to 124,741 | 406.5 | 1,282 to 2,573 | 100.7 |
| Income Related Indicators | Number | Measure | Number | Measure | Number | Measure |
| Population Below Poverty Level – 2007 | 38,052,247 | 13.0% | 750,197 | 16.6% | 18,838 | 17.1% |
| Children Under 18 Below Poverty Level - 2007 | 13,097,100 | 18.0% | 261,151 | 23.6% | 6,366 | 24.7% |
| Per Capita Personal Income – 2006 | N.A. | \$36,714 | N.A. | \$30,894 | N.A. | \$28,959 |
| Medicaid Eligible Population – 2007 | N.A. | N.A. | 932,521 | 19.8% | 26,436 | 23.6% |
| Medicaid Eligible Children (Under 21) - 2007 | N.A. | N.A. | 514,486 | 38.1% | 14,162 | 47.3% |
| Medicaid Births - 2007 | N.A. | N.A. | 30,624 | 48.5% | 833 | 53.5% |
| Access to Health Care Indicators | Number | Measure | Number | Measure | Number | Measure¹ |
| Primary Care Physicians – 2006 (Per 10,000 Pop.) | 209,550 | 7.2 | 3,044 | 6.5 | 80 | 7.1 |
| Dentists – 2007 (Per 10,000 Pop.) | 86,110 | 2.9 (2006) | 1,996 | 4.3 | 44 | 3.9 |
| Psychiatrists – 2006 (Per 10,000 Pop.) | 24,730 | 0.9 | 298 | 0.6 | 7 | 0.6 |
| Hospital Beds - 2009 (Per 10,000 Pop.) | N.A. | N.A. | 16,814 | 36.3 | 526 | 46.5 |
| Households With No Vehicle – 2000 | 10,861,067 | 10.3% | 143,594 | 8.3% | 3,566 | 7.9% |
| Uninsured Population Under 65 Years of Age - 2005 | 44,209,874 | 17.2% | 612,428 | 15.6% | 12,749 | 13.3% |

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

| Indicators | United States | | Alabama | | Calhoun County | |
|--|------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|
| | Number in 2005 | Rate per 100,000 Pop. | Number in 2005 - 2007 | Rate per 100,000 Pop. | Number in 2005 - 2007 | Rate per 100,000 Pop. ¹ |
| All Causes | 2,448,017 | 825.9 | 139,039 | 1,010.6 | 3,997 | 1,183.0 |
| Septicemia | 34,136 | 11.5 | 2,407 | 17.5 | 105 | 31.1 |
| Human Immunodeficiency Virus (HIV) disease | 12,543 | 4.2 | 536 | 3.9 | 8 | 2.4 |
| Cancer | 559,312 | 188.7 | 29,475 | 214.2 | 844 | 249.8 |
| Lip, Oral Cavity, Pharynx, and Esophagus | 21,272 | 7.2 | 1,034 | 7.5 | 25 | 7.4 |
| Stomach | 11,514 | 3.9 | 549 | 4.0 | 16 | 4.7 |
| Colon, Rectum, and Anus | 53,252 | 18.0 | 2,709 | 19.7 | 76 | 22.5 |
| Liver and Intrahepatic Bile Ducts | 16,076 | 5.4 | 773 | 5.6 | 15 | 4.4 |
| Pancreas | 32,760 | 11.1 | 1,625 | 11.8 | 43 | 12.7 |
| Trachea, Bronchus, and Lung | 159,292 | 53.7 | 9,233 | 67.1 | 306 | 90.6 |
| Melanoma of Skin | 8,345 | 2.8 | 463 | 3.4 | 14 | 4.1 |
| Breast (female) | 41,116 | 27.3 | 2,018 | 28.4 | 54 | 30.7 |
| Cervix Uteri, Corpus Uteri, and Uterus (female) | 11,020 | 7.3 | 512 | 7.2 | 14 | 7.9 |
| Ovary (female) | 14,787 | 9.8 | 769 | 10.8 | 17 | 9.7 |
| Prostate (male) | 28,905 | 19.8 | 1,556 | 23.4 | 30 | 18.5 |
| Kidney and Renal Pelvis | 12,517 | 4.2 | 591 | 4.3 | 16 | 4.7 |
| Bladder | 13,253 | 4.5 | 569 | 4.1 | 23 | 6.8 |
| Meninges, Brain, Other Central Nervous System | 13,152 | 4.4 | 625 | 4.5 | 19 | 5.6 |
| Hodgkin's Disease | 55,028 | 18.6 | 56 | 0.4 | 3 | 0.9 |
| Non-Hodgkin's Lymphoma | 20,873 | 7.0 | 969 | 7.0 | 32 | 9.5 |
| Leukemia | 21,623 | 7.3 | 1,063 | 7.7 | 25 | 7.4 |
| Multiple Myeloma and Immunoproliferative Neoplasms | 11,200 | 3.8 | 636 | 4.6 | 19 | 5.6 |
| Diabetes Mellitus | 75,119 | 25.3 | 4,138 | 30.1 | 63 | 18.6 |
| Nutritional Deficiencies | 3,183 | 1.1 | 228 | 1.7 | 3 | 0.9 |
| Parkinson's Disease | 19,544 | 6.6 | 907 | 6.6 | 26 | 7.7 |
| Alzheimer's Disease | 71,599 | 24.2 | 4,487 | 32.6 | 86 | 25.5 |
| Major Cardiovascular Diseases | 856,030 | 288.2 | 48,383 | 351.7 | 1,471 | 435.4 |
| Heart Diseases | 652,562 | 220.0 | 36,995 | 268.9 | 1,229 | 363.8 |
| Hypertensive Heart Disease | 29,282 | 9.9 | 1,225 | 8.9 | 11 | 3.3 |

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| Indicators | United States | | Alabama | | Calhoun County | |
|--|----------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------------|
| | Number in 2005 | Rate per 100,000 Pop. | Number in 2005 - 2007 | Rate per 100,000 Pop. | Number in 2005 - 2007 | Rate per 100,000 Pop. ¹ |
| Major Cardiovascular Diseases – Continued | | | | | | |
| Ischemic Heart Diseases | 445,687 | 150.4 | 17,326 | 125.9 | 797 | 235.9 |
| Heart Failure | 58,933 | 19.9 | 6,206 | 45.1 | 165 | 48.8 |
| Cerebrovascular Diseases | 143,579 | 48.4 | 8,318 | 60.5 | 184 | 54.5 |
| Atherosclerosis | 11,841 | 4.0 | 618 | 4.5 | 7 | 2.1 |
| Pneumonia | 61,189 | 20.6 | 2,748 | 20.0 | 108 | 32.0 |
| Chronic Lower Respiratory Diseases | 130,933 | 44.2 | 7,158 | 52.0 | 216 | 63.9 |
| Chronic Liver Disease and Cirrhosis | 27,530 | 9.3 | 1,450 | 10.5 | 41 | 12.1 |
| Nephritis, Nephrotic Syndrome, and Nephrosis | 43,901 | 14.8 | 3,110 | 22.6 | 95 | 28.1 |
| Accidents | 117,809 | 39.7 | 7,295 | 53.0 | 195 | 57.7 |
| Motor Vehicle Accidents | 45,343 | 15.3 | 3,544 | 25.8 | 96 | 28.4 |
| Falls | 19,656 | 6.6 | 498 | 3.6 | 13 | 3.8 |
| Drowning and Submersion | 3,582 | 1.2 | 219 | 1.6 | 3 | 0.9 |
| Smoke, Fire, and Flames | 3,197 | 1.1 | 281 | 2.0 | 11 | 3.3 |
| Poisoning and Exposure to Noxious Substances | 23,618 | 8.0 | 1,008 | 7.3 | 30 | 8.9 |
| Intentional Self-Harm (suicide) | 32,637 | 11.0 | 1,685 | 12.2 | 51 | 15.1 |
| Assault (homicide) | 18,124 | 6.1 | 1,340 | 9.7 | 46 | 13.6 |
| Causes of Death Groupings of Special Interest | | | | | | |
| Cause of Death Indicators | Number in 2005 | Rate per 100,000 Pop. | Number in 2005 - 2007 | Rate per 100,000 Pop. | Number in 2005 - 2007 | Rate per 100,000 Pop. ¹ |
| Cataclysmic Storms | 874 | 0.3 | 11 | 0.1 | 0 | 0.0 |
| Firearm Deaths (intentional self-harm, assault, legal intervention, and undetermined intent) | 30,364 | 10.4 | 2,306 | 16.8 | 79 | 23.4 |
| Drug-Induced Deaths | 33,541 | 11.3 | 1,328 | 9.7 | 32 | 9.5 |
| Alcohol-Induced Deaths | 21,634 | 7.3 | 732 | 5.3 | 17 | 5.0 |

SELECTED HEALTH STATUS INDICATORS - continued
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| Indicators | United States | | Alabama | | Calhoun County | |
|--|----------------------|----------------|----------------|----------------|-----------------------|----------------------------|
| | Number | Measure | Number | Measure | Number | Measure¹ |
| Nativity Related Indicators | | | | | | |
| Infant Mortality Rate Per 1,000 Births (2005 – 2007) | 28,534 | 6.9 | 1,771 | 9.5 | 34 | 7.5 |
| Low Weight Births – 2007 (Percent of All Births) | 331,772 (2004) | 8.1 % | 6,695 | 10.4 % | 132 | 8.5% |
| Births to Teens (10-19) – 2007 (Percent of All Births) | 422,043 (2004) | 10.3 % | 8,776 | 13.7 % | 227 | 14.5% |
| Births With Less Than Adequate Prenatal Care – 2007 (Percent of All Births) | N.A. | N.A. | 16,116 | 25.4% | 430 | 27.8% |
| Tobacco Use During Pregnancy – 2007 (Percent of All Births) | 419,429 | 10.2% | 7,703 | 12.0 % | 264 | 16.9% |
| Births Occurring Outside of the Mother's County of Residence – 2007 (Percent of All Births) | N.A. | N.A. | 20,149 | 31.4 % | 177 | 11.3% |
| Births to Undereducated Women – 2007 | N.A. | N.A. | 11,845 | 18.5 % | 315 | 20.2% |
| Other Indicators | Number | Measure | Number | Measure | | |
| Age 65+ With "Home Bound" Disability – 2000 | 6,795,517 | 19.4 % | 139,401 | 24.0 % | 3,758 | 23.7% |
| Age 25+ With Less Than High School Education - 2000 | 35,715,625 | 19.6 % | 714,081 | 24.7 % | 19,318 | 26.1% |
| Receiving Medicare Disability – 2007 (Percent of Total Population) | 7,359,542 | 2.4 % | 189,874 | 4.1 % | 6,139 | 5.4% |
| Obese – 2003 (Percent of Total Population) | Not Comparable | Not Comparable | 1,073,329 | 23.3 % | 26,055 | 23.3% |
| Accidental Deaths Occurring Outside of a Health Care Facility: 2005-07 (Percent of All Accidental Deaths) | N.A. | N.A. | 4,215 | 56.2% | 90 | 67.7% |
| Life Expectancy at Birth - 2007 | N.A. | 77.9 years | N.A. | 75.4 years | N.A. | 73.1 years |
| Sexually Transmitted Disease Cases Reported in 2008 (Per 10,000 Pop.) | 1,349,333 | 45.9 | 35,235 | 76.1 | 979 | 86.6 |
| Cumulative HIV Cases as of December 31, 2008 (Per 10,000 Pop.) | Not Comparable | Not Comparable | 16,222 | 35.1 | 284 | 25.1 |
| Families Being Counseled for Drug Issues by the Alabama Department of Mental Health During FY 2004 (Percent of All Families) | N.A. | N.A. | 20,881 | 1.7 % | 476 | 1.5% |

¹ Rates, percentages, etc based upon fewer than 16 events may not be statistically reliable for specific analyses. Caution should be exercised in using these indicators.

Sources of Information and Special Notes

2007 Population: U.S. Census Bureau, Population Estimates. <http://www.census.gov/popest/estimates.php>

Population Change 1910-2000: 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 2000 Summary File 1 (SF 1) 100-Percent Data for 2000 data.

Population Change 2000-2025: U.S. Census Bureau, American FactFinder, Census 2000 Summary File 1 (SF 1) 100-Percent Data for 2000 data. Alabama State Data Center, Alabama County Population 2000 and Projections 2005-2025 for 2025. http://cber.cba.ua.edu/edata/est_prj.html

Age 65+ Population Change 2000-2025: Alabama State Data Center, Alabama County Population 65 and Over 2000 and Projections 2005-2025 for 2025. http://cber.cba.ua.edu/edata/est_prj.html

Hispanic Population Change 1990-2007: U.S. Census Bureau, American FactFinder, Census 1990 Summary File 1 (STF 1) 100-Percent Data for 1990 data. U.S. Census Bureau, Population Estimates. <http://www.census.gov/popest/estimates.php>

Population Below Poverty Level - 2007: U.S. Census Bureau, Small Area Income and Poverty Estimates, <http://www.census.gov/hhes/www/saipe/index.html>

Children Under 18 Below Poverty Level - 2007: U.S. Census Bureau, Small Area Income and Poverty Estimates, <http://www.census.gov/hhes/www/saipe/index.html>

2006 Per Capita Personal Income: U.S. Bureau of Economic Analysis, Interactive Tables: Local Area Personal Income, Table CA1-3. <http://www.bea.gov/regional/reis/default.cfm?catable=CA1-3§ion=2>

Medicaid Eligible Population - 2007: Alabama Medicaid Agency, Alabama Medicaid Statistics by County – 2007. http://www.medicaid.alabama.gov/resources/stats_reports.aspx?tab=5

Medicaid Eligible Children (Under 21) - 2007: Alabama Medicaid Agency, Alabama Medicaid Statistics by County – 2007. http://www.medicaid.alabama.gov/resources/stats_reports.aspx?tab=5

Medicaid Births - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2007 Birth Statistics File.

Primary Care Physicians in 2006: Medical Licensure Commission, Licensed Physician Data Base – 2006.
(In this publication, primary care physicians include family practitioners, internal medicine specialists, pediatricians, and obstetricians and gynecologists.)

Dentists in 2007: Board of Dental Examiners of Alabama, Licensed dentists data base - 2007.

Psychiatrists in 2006: Medical Licensure Commission, Licensed Physician Data Base – 2006.

Hospital Beds in 2008: Alabama Department of Public Health, Division of Provider Services, Healthcare Facilities Directory – Hospital Section. January 28, 2009. <http://adph.org/providers/Default.asp?id=522>

Households With No Vehicle in 2000: U.S. Census Bureau, American FactFinder, Census 2000 Summary File 3 (SF 3) Sample Data, Table H44 - Tenure by Vehicles Available.

Uninsured Persons Under Age 65 - 2005: U.S. Census Bureau, Model-based Small Area Health Insurance Estimates (SAHIE) for Counties and States. <http://www.census.gov/hhes/www/sahie>

Cause of Death Indicators: Alabama Department of Public Health, Center for Health Statistics, Special queries of the 2005, 2006, and 2007 Mortality Statistics Files for Alabama data. Centers for Disease Control and Prevention, CDC Wonder Interactive Program, Mortality – Underlying Cause of Death 2005 file. <http://wonder.cdc.gov/> (Cause of death data included in this publication is not age-adjusted)

Infant Mortality Rate - 2004-2006; Alabama Department of Public Health, Center for Health Statistics, Special queries of the 2004, 2005, and 2006 Birth Statistics Files for birth data. Alabama Department of Public Health, Center for Health Statistics, Total Resident Infant Deaths and Infant Mortality Rates by County, Alabama, 2006, 2005, 2004, and Combined 2006-2004. <http://adph.org/healthstats/assets/06TotInfantDeaths.pdf>

Low Weight Births - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 Birth Statistics File. (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) - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 Birth Statistics File.

Births With Less Than Adequate Prenatal Care - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 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.)

Births With Tobacco Use During Pregnancy - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 Birth Statistics File.

Births Occurring Outside Mother's County of Residence - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 Birth Statistics File.

(This indicator was included because of the serious decline in the number of rural hospitals where obstetrics are performed and the natural relationship between women receiving adequate prenatal care and the presence of obstetrical care in the county.)

Births to Undereducated Women - 2007: Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 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.)

Age 65+ With "Home Bound" Disability - 2000: U.S. Census Bureau, American FactFinder, Census 2000 Summary File 3 (SF 3) Sample Data, Table P41 – Age by Types of Disability for the Civilian Noninstitutionalized Population 5 Years and Over With Disabilities.

Age 25+ With Less Than High School Education - 2000: U.S. Census Bureau, American FactFinder, Census 2000 Summary File 3 (SF 3) Sample Data, Table P37 – Sex by Educational Attainment for the Population 25 Years and Over.

Persons Receiving Medicare Disability - 2007: Centers for Medicare and Medicaid Services, Medicare County Enrollment, As of July 1, 2007. <http://www.cms.hhs.gov/MedicareEnrpts/>

Obesity - Percent of Population in 2003: Chronic Disease in Alabama: Past, Present, and Future Trends. Pp. 16-17. <http://adph.org/ADMINISTRATION/chronicdisease.pdf>

Accidental Deaths Occurring Outside of a Health Care Facility - (2005-2007): Alabama Department of Public Health, Center for Health Statistics, Special query of the 2005, 2006, and 2007 Mortality Statistics File. (This indicator was used in the place of an “emergency medical services emergency ambulance runs” data base. While there is such a data base maintained within the Alabama Department of Public Health, reporting to this data base is not complete and could produce confusing findings. The provision of adequate emergency medical service continues to be a serious issue in most rural Alabama counties.)

Life Expectancy at Birth - 2007: Alabama Department of Public Health, Center for Health Statistics, County Health Profiles – 2007. <http://www.adph.org/healthstats/>

Sexually Transmitted Disease Cases - 2008: Alabama Department of Public Health, Division of STD Prevention and Control, Statistics, County Totals – 2008. <http://www.adph.org/STD/>

Cumulative HIV Cases as of 12/31/2008: Alabama Department of Public Health, Division of HIV/AIDS Prevention and Control, Statistics, Public Health Area (January – December 2008). <http://www.adph.org/aids/>
(National data for the cumulative number of HIV cases as of December 31, 2008 is not comparable due to the fact that not all states report this information to the Centers for Disease Control and Prevention and those that are reporting initiated this reporting at varying times.)

Families Served by the Division of Substance Abuse Services in the Alabama Department of Mental Health - FY 2004: Alabama Department of Mental Health, Department's Annual Report, '03-'04. p35. http://www.mh.alabama.gov/downloads/AnnualReports/ADMH_AnnualReport_03_04Part3.pdf

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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.