



**July 2008**

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## **INTRODUCTION: Flex Program Rural Health Plan Revision:**

The basic purpose of the Flex Program Rural Health Plan revision is to strategically plan how Flex funding will be used in future years. Initially, funding was used to assist hospitals converting to Critical Access Hospital (CAH) status but since the elimination of the necessary provider rule in January 2006, there have been very few conversions. Most of Alabama's Flex funding is used for quality improvement, Emergency Medical Services (EMS) and evaluation activities. All Flex activities focus on three major objectives:

- Enhance access to quality medical care delivered by rural hospitals
- Provide a mechanism to integrate health service delivery
- Assist in stabilizing financially troubled rural hospitals

A strong collaboration was established between the Office of Primary Care and Rural Health (OPCRH) and the Alabama Hospital Association (AlaHA) in jointly implementing the Flex program. This joint approach grew out of the AlaHa ad hoc committee of the Rural Community Hospital Constituency Section that originally studied the appropriateness of the Flex program. Today, this collaboration continues with AlaHa and the OPCRH managing the Flex program and the revision of the Rural Health Plan.

In 2008, the Flex Grant Oversight Committee was revised to include nine members representing Alabama rural hospitals, the Alabama Quality Assurance Foundation, the Alabama Family Practice Rural Health Board and EMS. The OPCRH and AlaHa also serve on this committee. This grant oversight committee is involved with revising the rural health plan.

As part of the State Rural Health Plan revision process, three focus groups were organized to provide information for the plan revision. Focus group participants were identified from Flex hospitals and communities. The focus group topics included EMS, quality and critical access hospitals.

In addition, health status indicator reports were developed for every county in Alabama. Five reports focusing on the leading causes of mortality in rural Alabama which include heart disease, accidents, cancer, diabetes and cerebrovascular disease were also used to identify the critical health factors affecting rural Alabama. The health status indicator information can be found in Appendices A, B and C.

The revised rural health plan is comprised of three sections. The first section provides a comprehensive report on the health status indicators of Alabama citizens on a statewide, regional and community level. Data on access and availability of affordable quality health care including demographics on the aging primary care workforce and the aging Alabama populations will demonstrate the need for immediate, intermediate and long-term Flex objectives in the areas of EMS, Quality and CAH's. These issues combined with limited public transportation will be shown to create a serious health access challenge in rural and underserved areas of Alabama. The second section contains an

overview of Flex program achievements in Alabama and an overview of the Flex rural health plan revision process including a description of the focus group consultations and the future Flex plan objectives. The third section provides an evaluation plan to measure the effectiveness of the Flex activities and their anticipated impact on the health status indicators described in section one.

# **Section 1:**

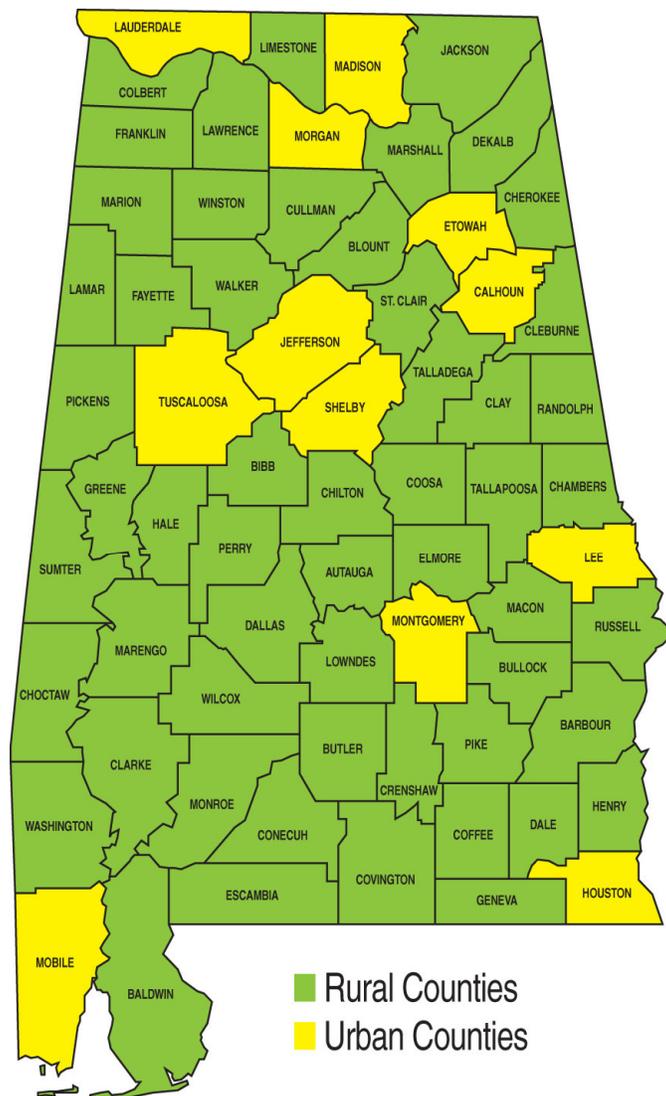
# **Health Status Indicators and Access/Availability Issues**

In revising the Alabama Rural Health Plan, the Flex Grant Oversight Committee wanted to consider background information such as trends in rural demographics, restricted access to health care and health status of rural residents. In this section, we explore health status indicators and data on rural Alabama that impact the availability and accessibility of health care.

## Health Status Indicators and Access/Availability Issues

Alabama's rural areas are of vital importance. Everyone benefits from the numerous resources, many of which must be classified as necessities, which are provided only from our rural areas and only by the residents who live and work in such areas. Knowing that our vital rural areas have adequate and quality healthcare locally available is an assurance that all Alabamians want. Our struggling small, rural hospitals must not only survive, but must become more stable financially.

**Figure 1: Alabama's Rural and Urban Counties**



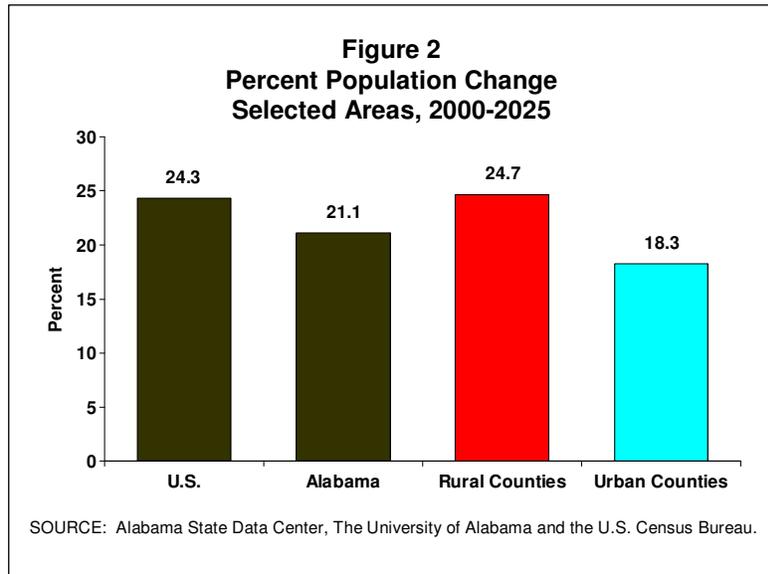
Rural hospitals are confronted with growing challenges that threaten financial stability and even survival. While there are major challenges such as the perception that larger medical centers provide a higher level of quality and inadequate or unstable emergency medical service that most rural hospitals must face, each hospital must also confront local issues. The Rural Hospital Flexibility Program emphasizes areas of service that are on target for positively intervening with most of these challenges. The limited funding that

is available through this program must be supported by other programs and initiatives to assure success. The following information attempts to shed more light on the current and future challenges that our rural hospitals must face.

### **Rural Areas are Experiencing Greater Population Growth**

The Office of Primary Care and Rural Health in Alabama regards 55 of Alabama's 67 counties as being rural.

These can be seen in Figure 1. Between 1910 and 2000, the rural counties experienced a meager 38 percent increase in population while the 12 urban counties increased by 246 percent. Twenty-six of the 55 rural counties actually lost population between 1910 and 2000 with five counties (Perry, Bullock, Wilcox, Lowndes, and Greene) losing nearly two-thirds of their population during that period. The two greatest reasons for this lack of population growth in Alabama's rural counties were the out migration of the African American population and the mechanization of agriculture.



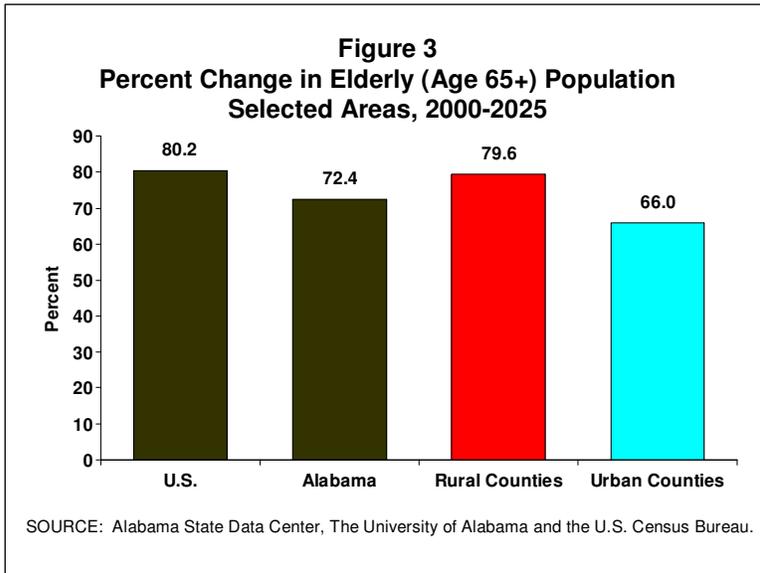
Starting around 1990 this trend has changed. Alabama's rural counties are now growing at a greater rate than the urban counties. This growth is greatest in the counties bordering major urban areas. Figure 2 presents projected population change between 2000 and 2025 showing the greater growth in rural counties. A second changing population trend is being seen within many counties where growth is greater in rural, unincorporated areas than is being seen within incorporated places.

These changing trends in Alabama's rural population are placing greater demands on many hospitals to serve a growing population and on an emergency medical system that may not be adequately staffed and/or trained. In many rural areas the first responder is almost certain to be volunteers.

### **Rural Areas Have an Older Population**

According to the Alabama State Data Center's 2006 population estimates, the elderly (age 65 years or more) comprised 14.5 percent of Alabama's rural county population compared to only 12.5 percent in the urban counties. This difference is projected to become even greater. Between 2000 and 2025, the elderly population is projected to

increase by 79.6 percent in Alabama’s rural counties compared to a 66.0 percent increase in the urban counties. This can be seen in Figure 3.

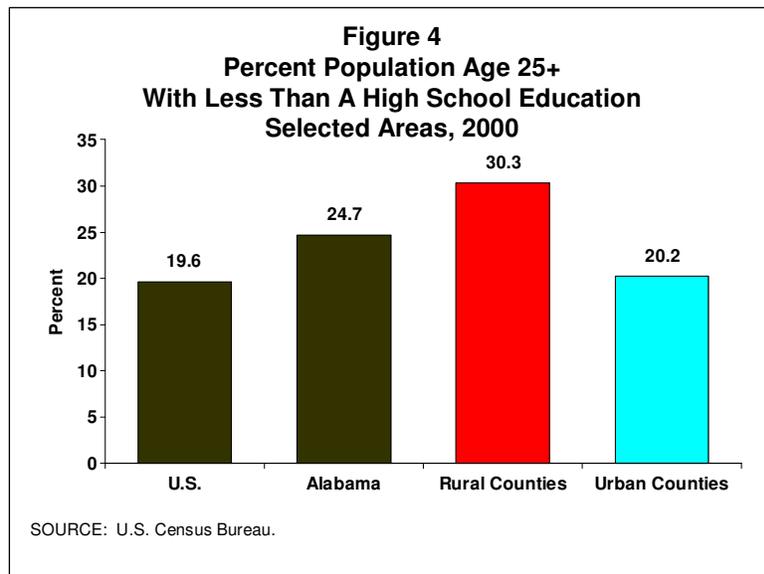


This dramatic increase in the elderly population will seriously challenge Alabama’s rural healthcare industry. It is estimated, using national data on visits to physician’s offices from the National Ambulatory Medical Care Survey, that more than 904,000 additional annual office visits to primary care physicians will be needed in Alabama by 2025, primarily due to the aging population. This does not

consider such trends as the obesity epidemic and the additional healthcare demands that this is certain to create.

**Alabama's Rural Population Has Less Formal Education**

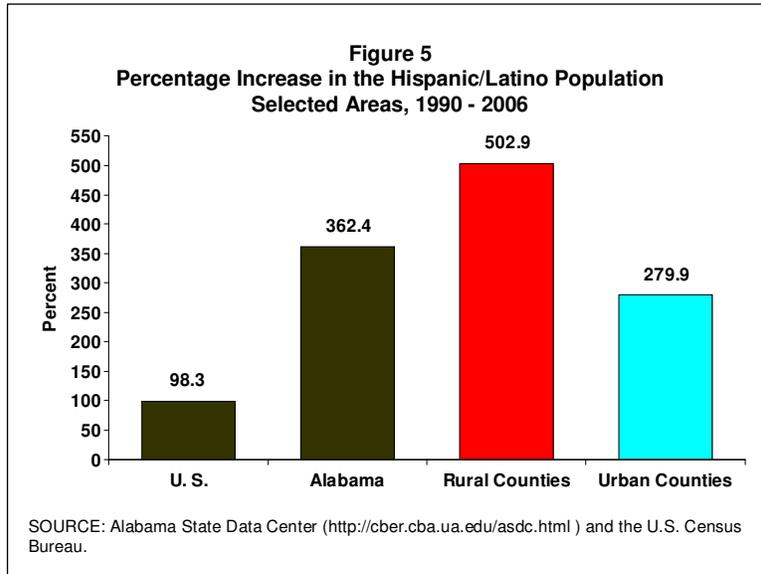
There is a strong relationship between educational attainment and health status. According to the 2000 Census of Population, nearly one-third (30.3%) of all rural Alabama residents aged 25 years or more had less than a high school education - far exceeding the 20.2 percent of urban residents in this age group with less than a high school education. This can be seen in Figure 4. A strong educational system producing well educated rural residents is vital to improving the long-term health status of Alabama's rural residents, reversing the economic struggles of rural Alabama, and to



providing rural students with the educational opportunities that are needed for them to compete with their urban counterparts for opportunities such as admission to medical school.

**Alabama's Rural Population Reflects Greater Ethnic Diversity**

Alabama's rural population has greater ethnic diversity primarily due to the relatively

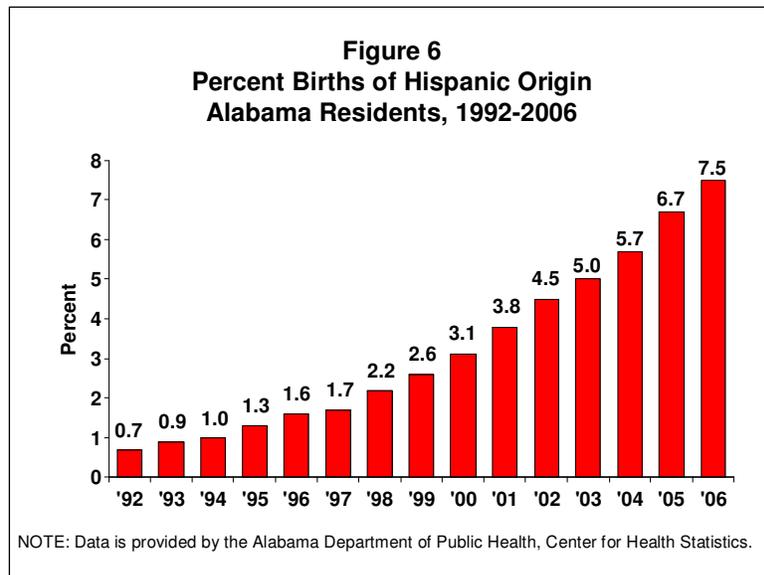


sudden increase in the Hispanic/Latino population. Alabama's Hispanic/Latino population increased by nearly 208 percent between the 1990 and 2000 Censuses, the seventh greatest increase among all 50 states. This tremendous growth is continuing.

According to estimates developed by the Alabama State Data Center at the University of Alabama, rural Alabama's

Hispanic/Latino population increased by 502.9 percent between 1990 and 2006, greatly exceeding the estimated 279.9 percent increase in urban counties and the 98.3 percent increase nationally. This can be seen in Figure 5. There is general agreement that estimates of the Hispanic/Latino population are likely to be understated.

This sudden increase in Alabama's Hispanic/Latino population has posed a challenge in counties where this growth has been the greatest. This is because of the presence of a language barrier in many instances which makes the services of an interpreter necessary. There is also a lack of knowledge about and experience with the cultural differences in providing healthcare to persons of Hispanic/Latino ethnicity.



There have also been financial challenges in some areas where Alabama's new Hispanic/Latino population has a low rate of insurance. Rural Hospital Flexibility Program subcontract funding has been used to greatly assist in providing care for Hispanic/Latino Alabamians by securing training in medical Spanish for emergency department staff.

Another source which can be used to indicate the growth in Alabama's Hispanic/Latino population is data on births. This source is considered to be more complete since the benefits from reporting are much greater. All babies born within the United States are citizens of this country, regardless of the residence of the parents.

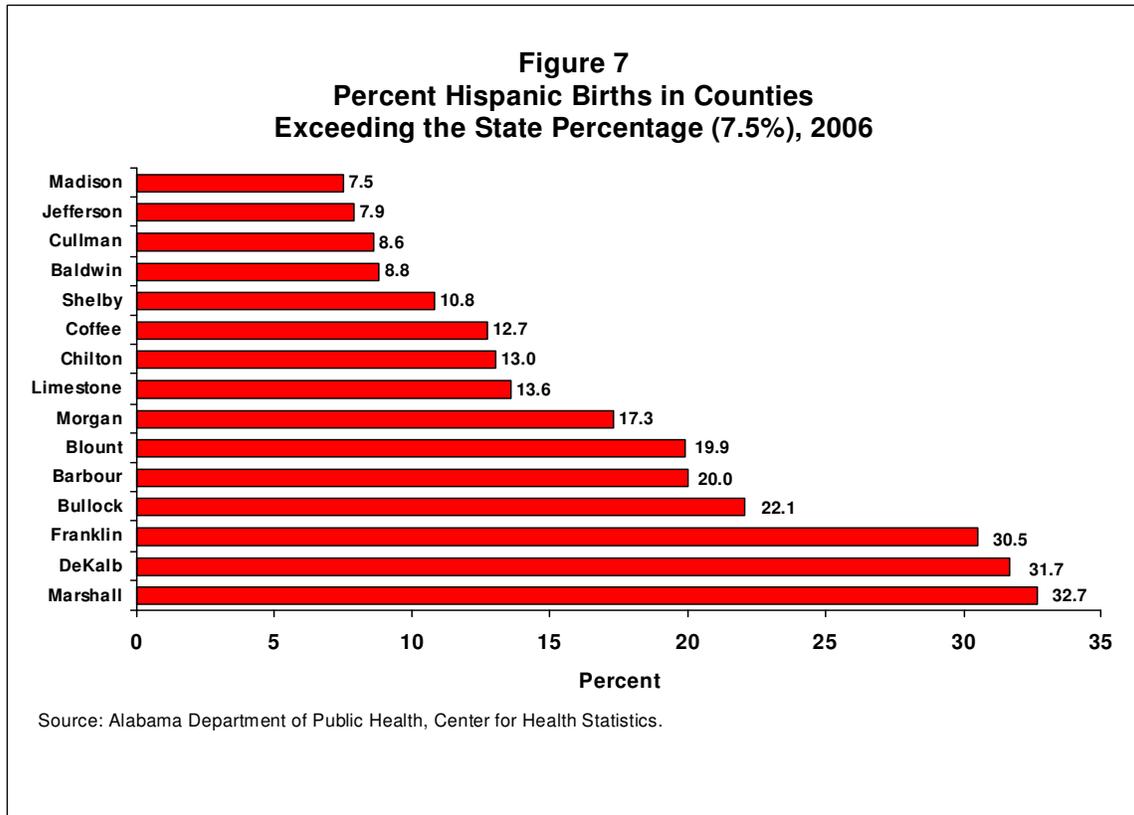


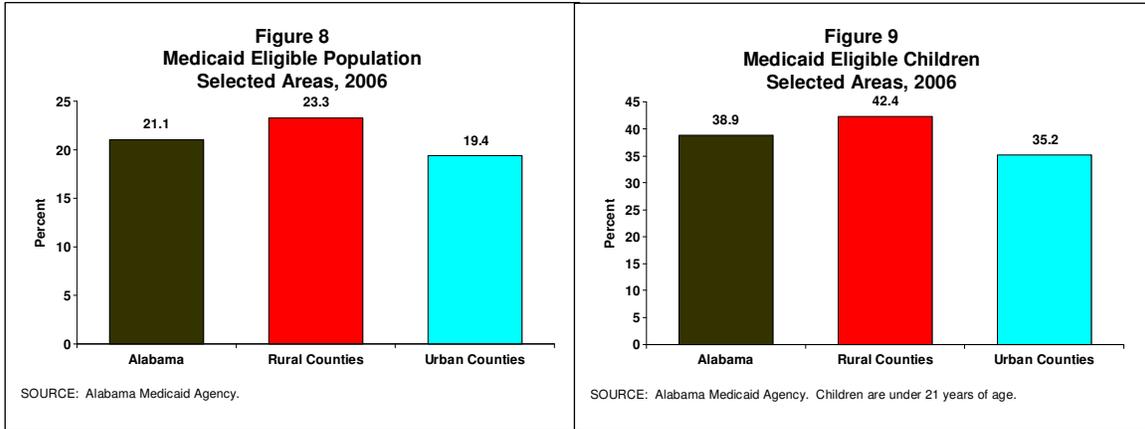
Figure 6 presents a graphical picture of the relatively sudden and tremendous growth of the Hispanic/Latino population in Alabama by looking at the percentage of all births to Alabama residents that is comprised by residents of Hispanic/Latino ethnicity. In 1992, only 0.7 percent of all births to Alabama residents were Hispanic/Latino. By 2006, this percentage steadily increased to 7.5 percent. Figure 7 presents these percentages by the mother's county of residence for 2006 births. Five Alabama counties had 20 percent or more of all births to county residents being of Hispanic/Latino ethnicity. All five of these counties are rural.

### **Alabama's Rural Population Is Not As Wealthy**

There is a strong relationship between personal wealth and health status. Medicaid has been referred to as "Rural Alabama's Health Insurance." There is a strong justification for this statement since 23.3 percent, or nearly one in every four rural residents, is eligible for Medicaid benefits. This compares to 19.4 percent for urban county residents. In addition, 42.4 percent of all rural children under age 21 are eligible for Medicaid benefits compared to 35.2 percent for urban children. Unfortunately, many rural Alabama

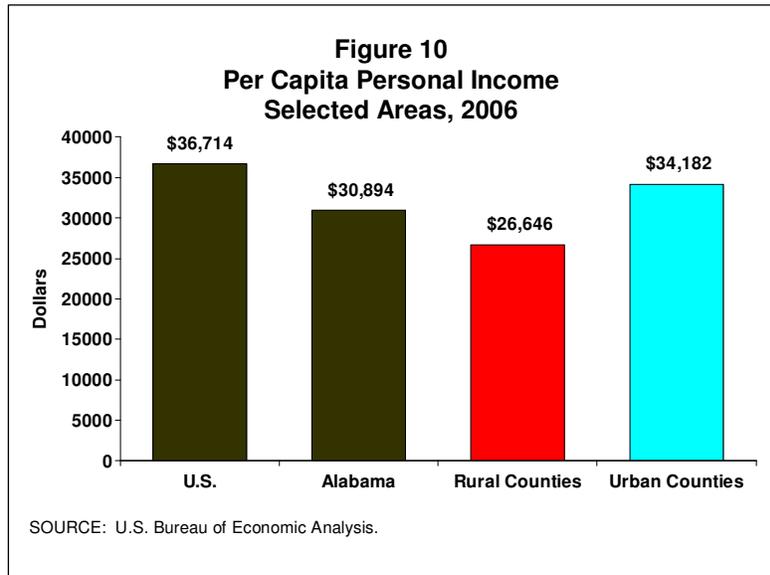
primary care physicians are electing not to provide service to Medicaid patients for various reasons. This greatly increases the importance of rural safety net providers. Figures 8 and 9 graphically describe rural Alabama’s reliance on Medicaid for healthcare.

Per capita personal income is the income that is available to be spent for each person. According to 2007 per capita personal income figures recently released by the U. S. Bureau of Economic Analysis, the income per person for rural Alabama residents is \$26,646 which is over 28 percent lower than the per capita income of \$34,182 for urban



residents and nearly 38 percent below the figure of \$36,714 for the nation. The 31 Alabama counties with the lowest per capita income levels are all rural. Three rural Alabama counties (Wilcox, Bullock, and Macon) are among the 250 poorest counties in the nation. Figure 10 graphically describes the serious disparity in per capita personal income.

The great presence of poverty in Alabama’s rural counties naturally results in more indigent care being provided by rural hospitals. This makes the attracting of patients with health insurance more important to these institutions. This can be accomplished only if these important potential patients are convinced that their local hospitals are providing quality care. Rural Hospital Flexibility Program subcontract

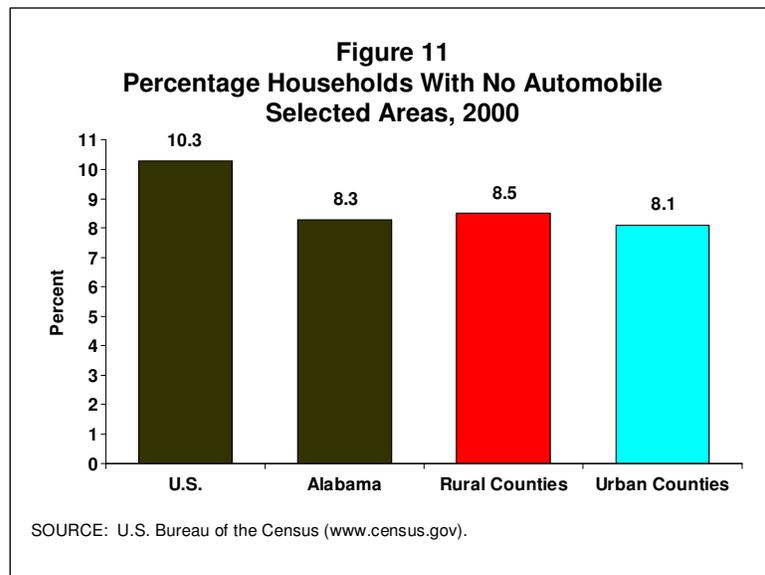


funding is being used in many ways to enhance the visibility of rural hospitals and to convince and assure local residents that they do not need to bypass their local healthcare industry traveling to a larger urban medical center to receive high quality care.

The underlying issue that is adversely impacting on the wealth of rural residents is the lack of economic opportunity in many rural areas. This is further evidenced by the fact that unemployment is greater in rural areas (4.5 percent in rural counties versus 3.9 percent in urban counties in May 2008). Positive intervention aimed at enhancing economic opportunity in chronically depressed rural areas has been initiated by Governor' Bob Riley's Alabama Rural Action Commission and the Black Belt Action Commission and also by the Center for Rural Alabama in the Alabama Department of Agriculture. The goals of the Rural Hospital Flexibility Program are highly consistent with those of these important commissions and centers.

**Alabama's Rural Population Has More Restricted Access to Health Care**

A task force assembled by former Governor Jim Folsom, Jr. concluded that the greatest



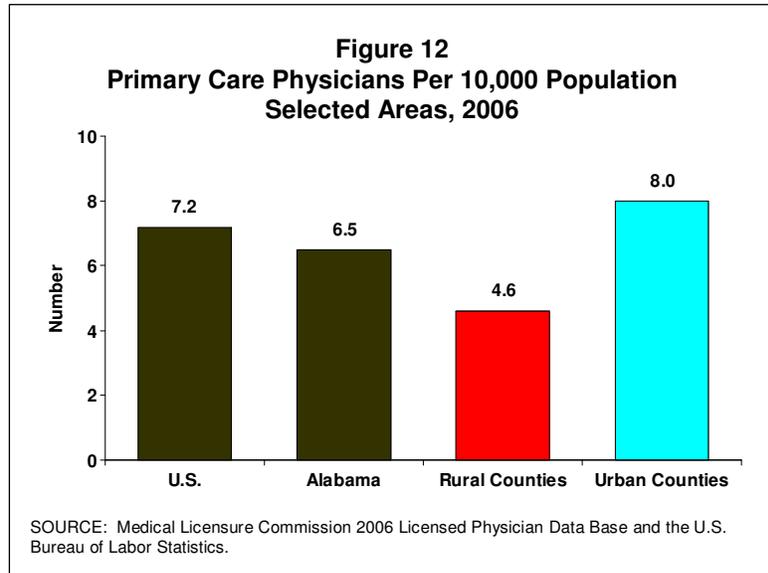
problem involving access to rural health care was transportation. The availability of public transportation varies greatly among Alabama's rural counties and even within counties. Transportation poses two different concerns for Alabama's rural Health care industry. First, there is a large portion of the rural population which does not have a reliable means for getting to health care providers. This is

evidenced in Figure 11 where it can be seen that 8.5 percent of all households in Alabama's rural counties did not have a vehicle in 2000. An additional 30.3 percent of all rural households had only one vehicle which had to be used for going to work and other activities as well as being used for health care transportation.

Second, there is a portion of the rural population which has adequate transportation. This second group tends to include more persons with health insurance who are needed as paying consumers in the rural healthcare system. Unfortunately, many of these potential patients commute greater distances to seek health care from urban providers which they perceive as being of higher quality. Subcontract funding through the Rural Hospital Flexibility Program is being used in diverse ways to change this perception by improving the quality of care that is being received through rural hospitals and by enhancing the perception of the quality care that is locally available. Much remains to be done to establish a firm reputation of quality in smaller, rural hospitals and to dispel the long held thought that bigger is better.

While the lack of adequate transportation poses a serious concern for many rural residents, the lack of primary care practitioners and the aging of the current primary care physician workforce pose serious barriers to access for all rural residents. The Health Professional Shortage Area designation methodology developed by the U. S. Department of Health and Human Services, Health Resources and Services Administration (HRSA) is the most widely recognized method for identifying primary care, dental, and mental health professional shortages. According to this methodology, 54 of Alabama's 55 rural counties are currently classified as having a shortage of primary care physicians providing service to either the entire population or the low-income population.

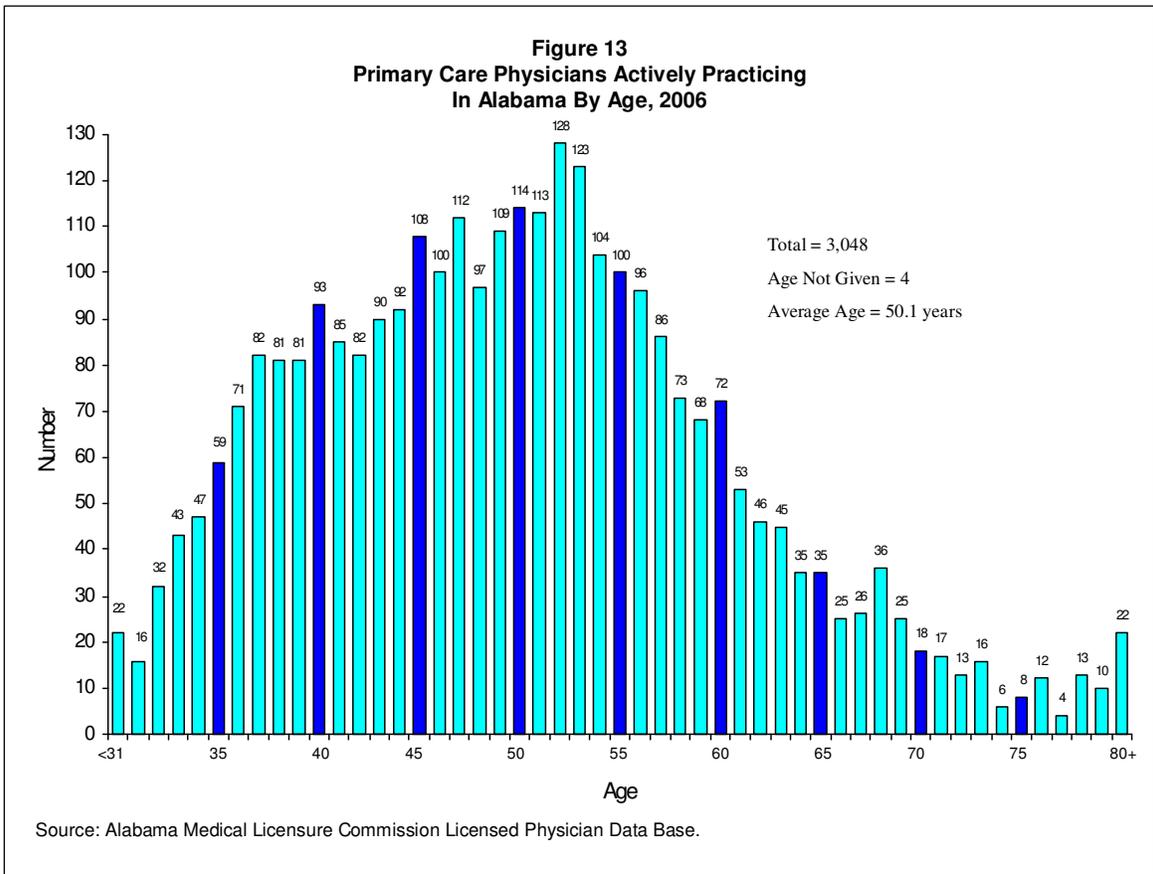
This methodology only measures what is considered to be the minimal level of service that is needed to serve a population rather than the level of service that is desirable. According to this methodology, Alabama currently needs an additional 132 strategically placed primary care physicians to eliminate all shortages. HRSA estimates that Alabama needs 474 strategically



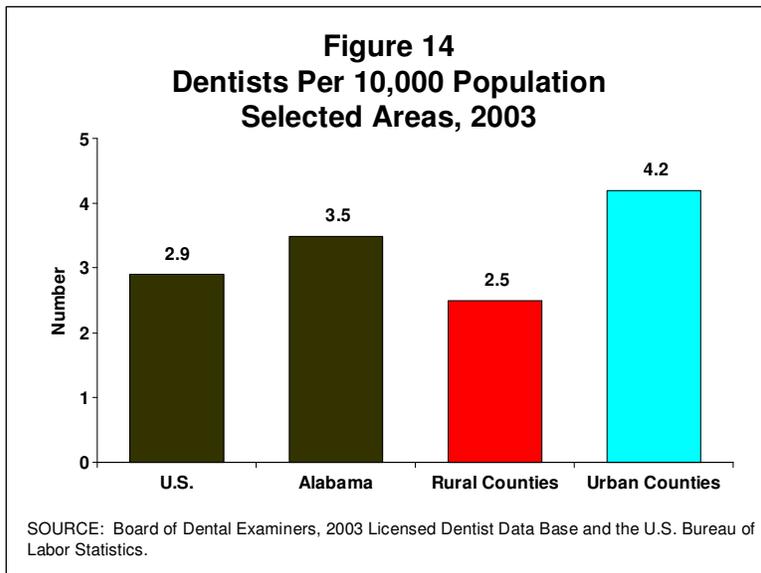
placed primary care physicians to provide a desirable level of service. Figure 12 presents a graphical picture of the lack of primary care physician service in rural counties. The 4.6 primary care physicians per 10,000 population in rural counties is just above one half of the 8.0 per 10,000 population in the urban counties.

As serious as these figures on the primary care physician shortage may appear, the shortage crisis is actually more serious. These figures do not include such concerns as the aging of the primary care physician workforce, the decreasing trend for medical students to elect rural primary care practice, the aging of Alabama's population and the increasing need for primary care that this will bring, and the dramatic increase in such population characteristics as obesity that is certain to create greater demands for primary care service.

Figure 13 presents an alarming graphical picture of Alabama's actively practicing primary care physician workforce of 3,048 in 2006. By 2011, more than one-half of these physicians will be over 55 years of age. Many current medical school graduates are indicating that they plan to retire at ages younger than 55. The smaller numbers of physicians in the younger age groups reflect the decrease in the number of medical school graduates who are electing primary care for their practice.



At the same time, Alabama’s population is getting older and more vulnerable to chronic disease. As was pointed out earlier, it is estimated, using national data on visits to physician’s offices from the National Ambulatory Medical Care Survey, that more than 904,000 additional office visits to primary care physicians will be needed in Alabama by 2025. According to the Centers for Disease Control and Prevention’s 2007 Behavioral Risk Factor Surveillance System, 30.9 percent of all Alabamians are obese, not simply overweight. This is the second highest percentage among all 50 states and this



percentage is increasing each year. This and other unhealthy characteristics are certain to require additional primary care physician services.

Alabama has several innovative programs for positively intervening in this shortage crisis. Programs such as the Rural Medical Scholars Program at the University of Alabama, the Rural Medicine Program at

Auburn University, rural medical programs at the University of South Alabama College of Medicine, and the Alabama Medical Education Consortium have created national interest.

The shortage of actively practicing dentists is even more critical in rural Alabama. HRSA estimates that Alabama currently needs an additional 294 strategically placed dentists to eliminate all shortages. Alabama's only dental school admits only 55 students each year. By 2011, with the aging of Alabama's dental workforce, it is expected that more than 55 dentists will be retiring from practice each year. Rural Alabama is in danger of having several counties with no dentist. Dental care for the low-income population is far from a certainty. Figure 14 presents rates for dentists per 10,000 population. This does not reflect the ages of Alabama's dental workforce, the amount of time each dentist works, or the service to Alabama's low-income population.

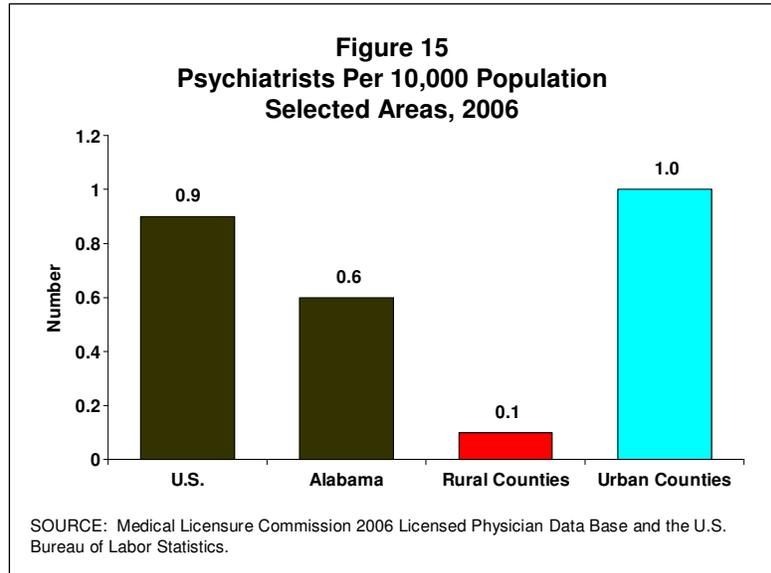
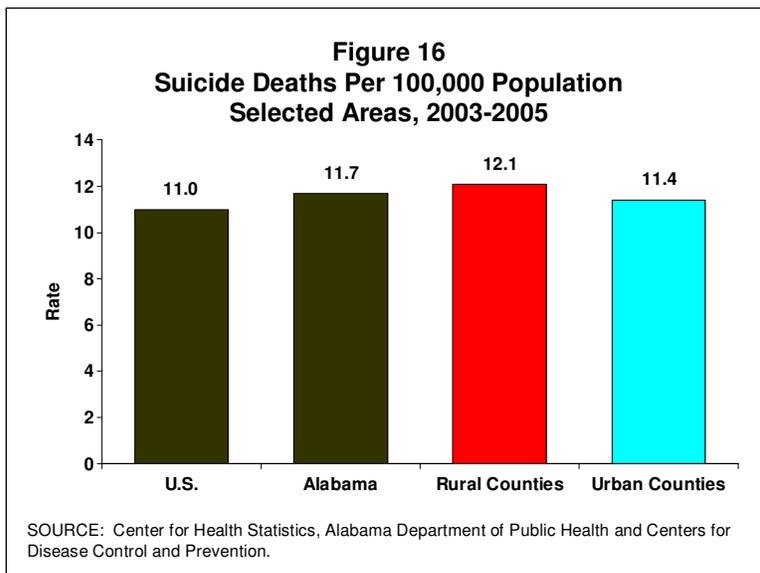


Figure 14 presents rates for dentists per 10,000 population. This does not reflect the ages of Alabama's dental workforce, the amount of time each dentist works, or the service to Alabama's low-income population.

Perhaps no practitioner shortage is greater than that for mental health care professionals. Professional counselors and psychologists are not allowed to write prescriptions under Alabama law. Only psychiatrists have this privilege. Most rural Alabama counties only have the services of a visiting psychiatrist for a few hours per week at the local outpatient mental health center. Many rural hospital emergency rooms do not have staffing that is adequately trained in handling drug abuse cases or suicidal cases. Flex subcontract funds have been used in temporarily providing this highly specialized care and have been considered responsible for actually saving lives. Figure

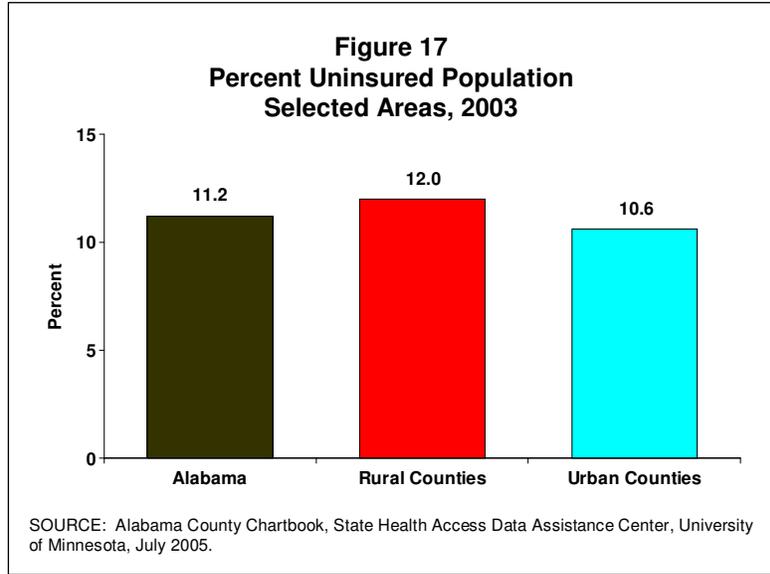


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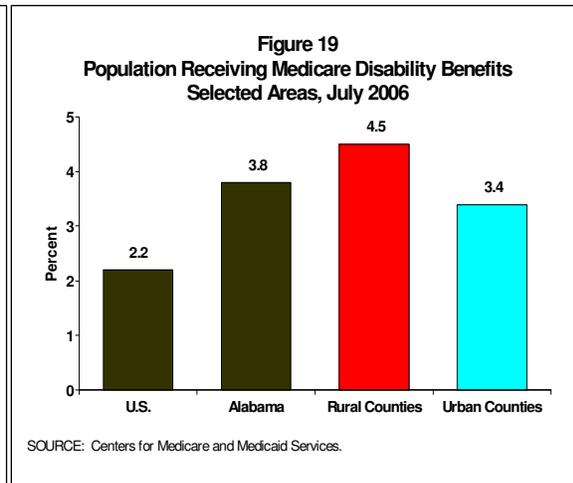
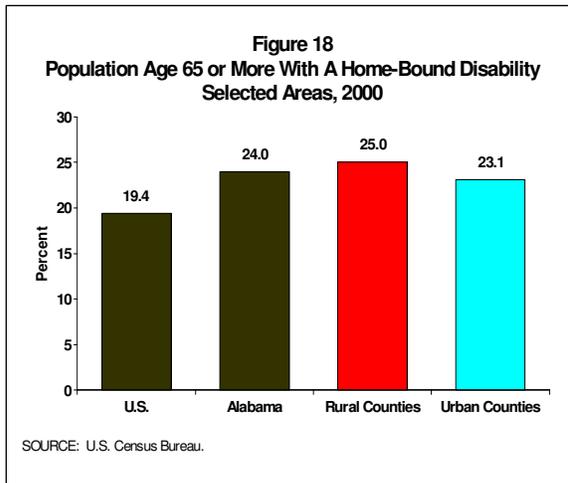
15 presents a graphical description of the number of actively practicing psychiatrists per 10,000 population. Figure 16 presents a graphical picture of the higher suicide mortality rate among rural Alabamians. Suicide may be the most profound action indicating a vital need for expanded mental health service.

Having adequate and quality healthcare available does little good for those who are uninsured. In addition to the nearly one-quarter of all rural Alabamians who only have Medicaid coverage, it is estimated that 12.0 percent of all rural residents have no health insurance at all. This compares unfavorably to the estimate of 10.6 percent uninsured in Alabama's urban counties as can be seen in Figure 17.



The lack of health insurance not only impacts on those without such coverage, but this greatly increased the amount of indigent care that Alabama's rural hospitals must serve.

The greater prevalence of disability among rural residents creates another access to primary care barrier. According to 2000 Census data, 25.0 percent of all rural Alabamians aged 65 years or more had a disability that prevented them from going outside of their residence. This compares to 23.1 percent in Alabama's urban counties and 19.4 percent nationally. This can be seen in Figure 18. This greater presence of disability among rural residents is also supported by 2006 Medicare disability data indicating that 4.5 percent of all rural Alabama residents were receiving Medicare

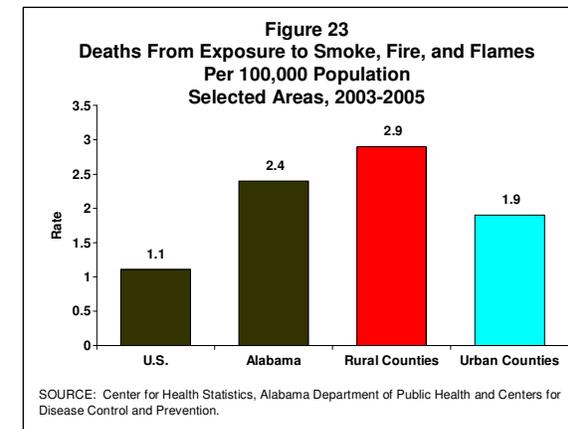
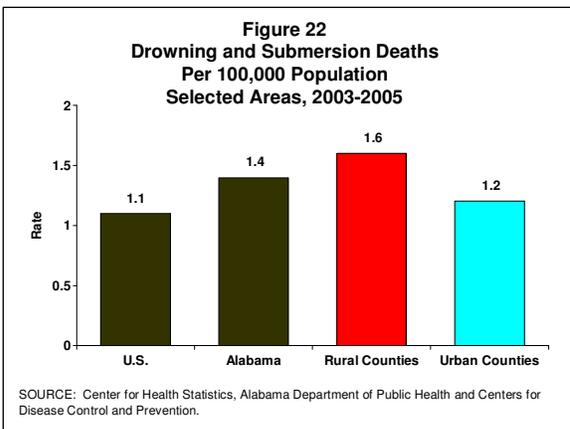
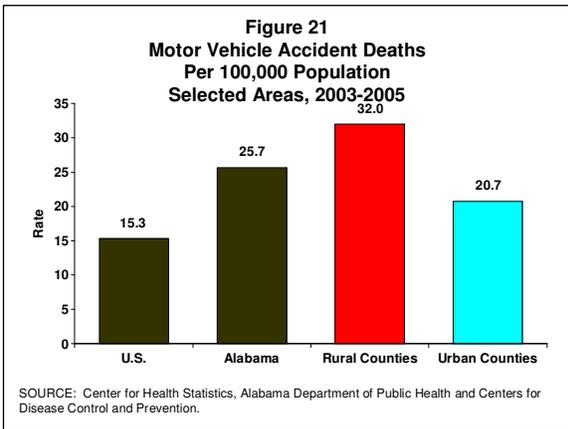
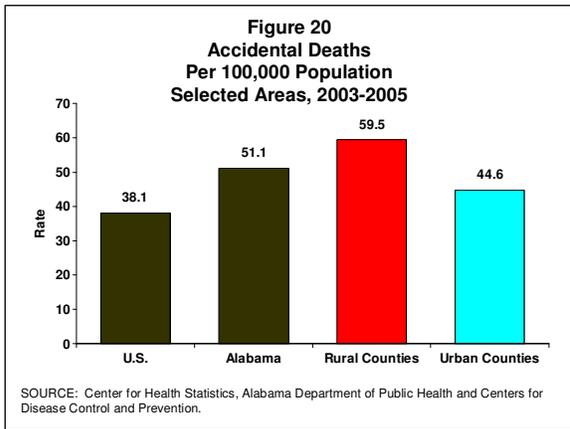


disability compared to 3.4 percent for urban residents and only 2.2 percent nationally. This can be seen in Figure 19.

**Adequate Emergency Medical Services Are Not a Certainty in All Rural Areas**

Some of Alabama's rural counties have well staffed, well trained, and adequately funded emergency medical services. Residents of many, if not most, rural counties are not so fortunate. This is not simply a local need. With so many people traveling distances for work or other reasons, the need for having adequate and quality health care, including emergency medical services, available in all counties is imperative. Even residents of the most urban counties may find themselves in need of such service while away from home. The presence of adequate and quality health care, including emergency medical services, is of extreme importance in attracting economic development.

Unfortunately, Alabama does not currently have an ambulance run data base with mandatory reporting requirements. Thus, comparisons of such data between areas may not be accurate. However, to a great extent, accidental mortality data can be used in studying the adequacy of emergency medical services, especially mortality due to motor vehicle accidents. While there are several reasons for and contributors to accidental



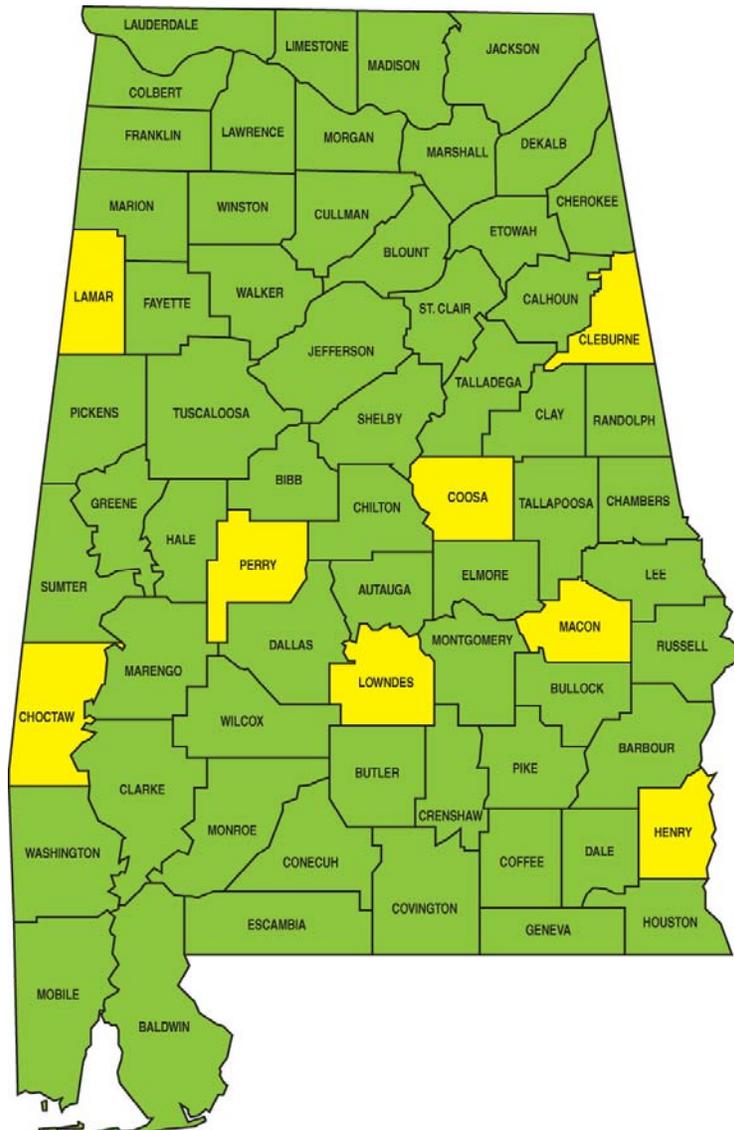
mortality, the ability of local emergency medical service to respond quickly in arriving at the accident scene, stabilizing conditions, and transporting the victim to qualified

emergency care is of critical importance. It has been long realized that the sooner within the "Golden Hour" following an accident that the victim can get to adequate emergency care, the greater the likelihood of survival.

Figures 20-23 present mortality rates from all accidents; motor vehicle accidents; drowning and submersion; and exposure to smoke, fire, and flames. The mortality rate from motor vehicle accidents for Alabama's rural residents of 32.0 deaths per 100,000 persons well exceeds the urban rate of 20.7 and is more than double the national rate of 15.3.

Disturbingly similar rates are seen for drowning and submersion deaths and mortality due to the exposure to smoke, fire, and flames. While well staffed, well trained, and adequately funded emergency medical service would certainly be expected to positively impact on death rates for these two types of accidents, better education and preparedness may provide a greater impact.

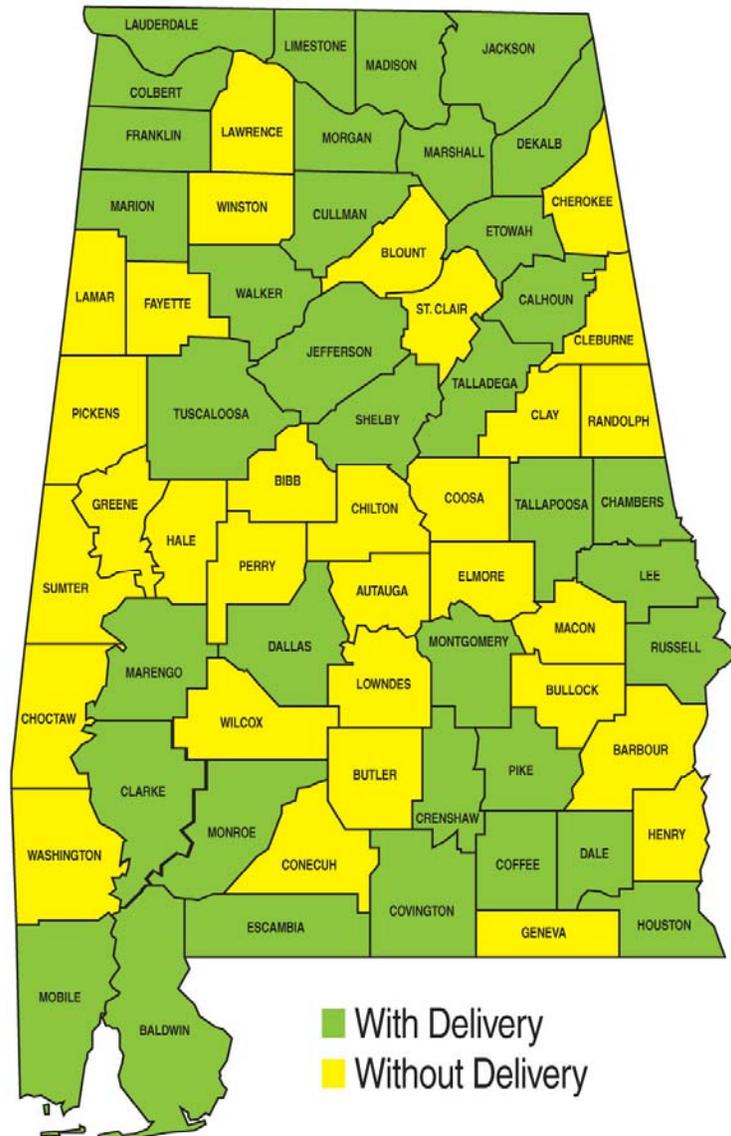
**Figure 24: Alabama's Counties Without Hospitals (Yellow), July 2008**



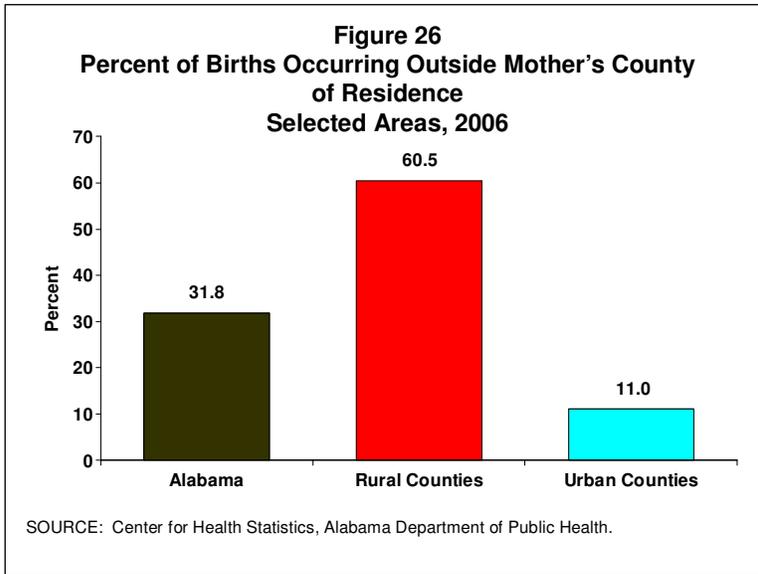
The final barrier to access that is noted in this particular report is the fact that eight of Alabama’s 55 rural counties do not have hospitals. These are identified in Figure 24. This means that residents of these counties may have to travel farther distances for hospital or emergency service. Communities in counties without hospitals also tend to have greater difficulty in attracting primary care physicians to practice locally since physicians tend to locate closer to hospitals.

**Pregnancies for Rural Women are of Higher Risk Than Those to Urban Women**

**Figure 25: Alabama’s Counties With and Without Obstetrical Service, July 2008**



The presence of obstetrical service must be considered a luxury in Alabama’s rural counties. In 1980, 46 of Alabama’s 55 rural counties had hospitals that delivered babies.

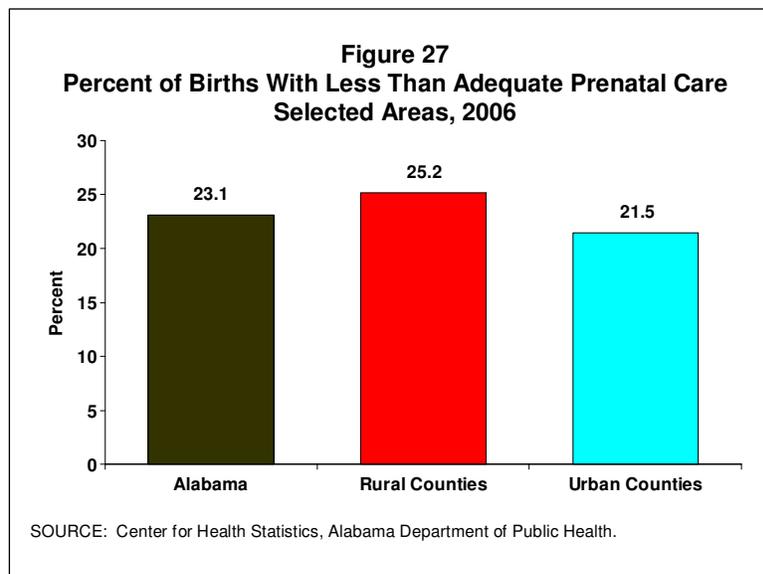


This number has steadily declined to where only 24 of the 55 rural counties have hospitals that deliver babies today. These counties can be identified in Figure 25.

Because of the dramatic decrease in the availability of obstetrical service, 60.5 percent of all babies born to mothers who are rural county residents are born outside of the mother's county of residence. This

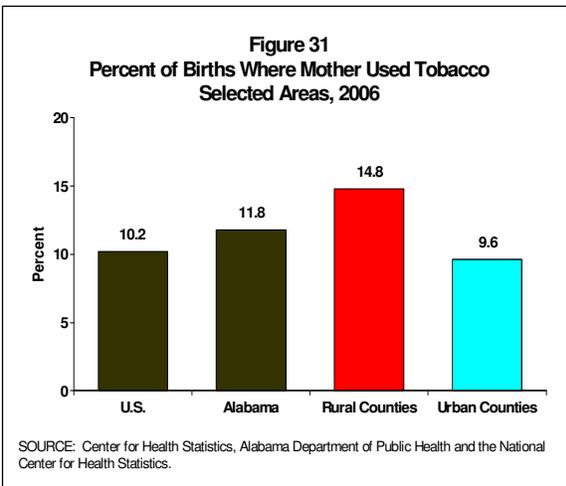
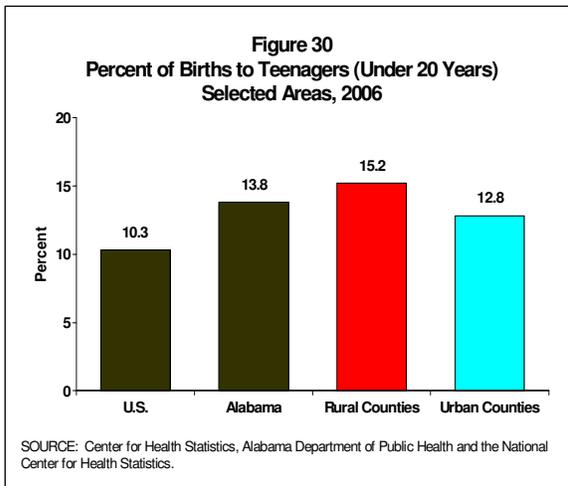
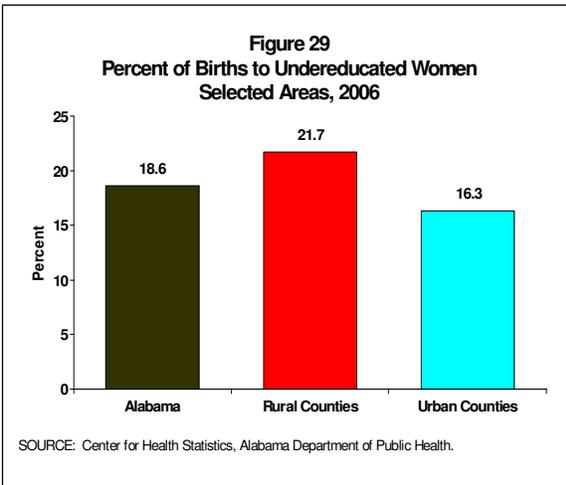
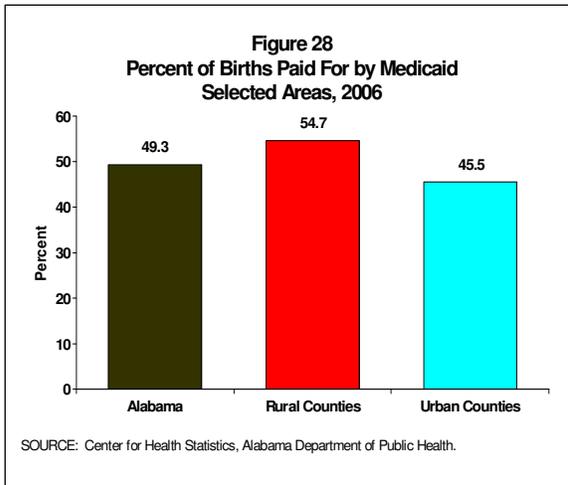
compares to only 11.0 percent for mothers who are urban county residents. This is seen in Figure 26.

Unfortunately, the void of obstetrical service in so many of Alabama's rural counties contributes in creating a challenge for rural residents to receive adequate prenatal care during their pregnancies. There is a recognized relationship between the presence of a hospital providing obstetrical service and the receiving of adequate prenatal care by local women. This trend is evident in Figure 27 which graphically shows that over one quarter (25.2 percent) of all births to rural resident women in 2006 involved pregnancies where the mother received less than adequate prenatal care during her pregnancy. This compares to 21.5 percent for urban resident women.



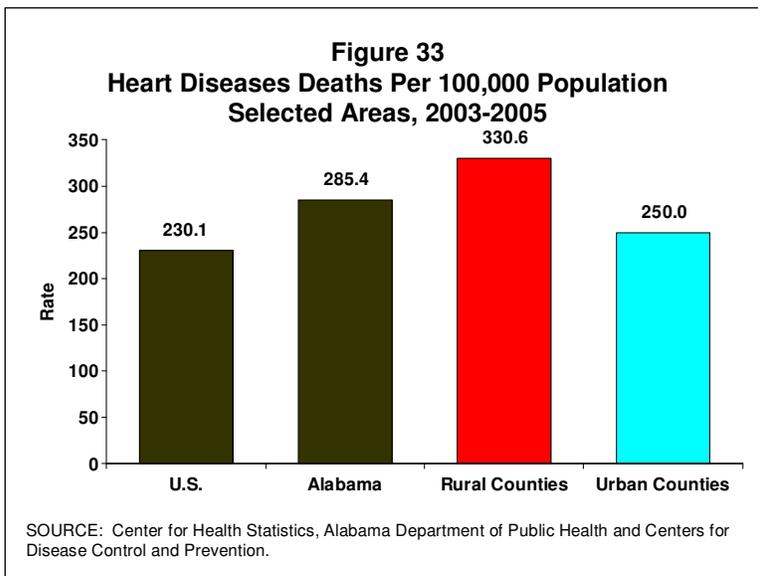
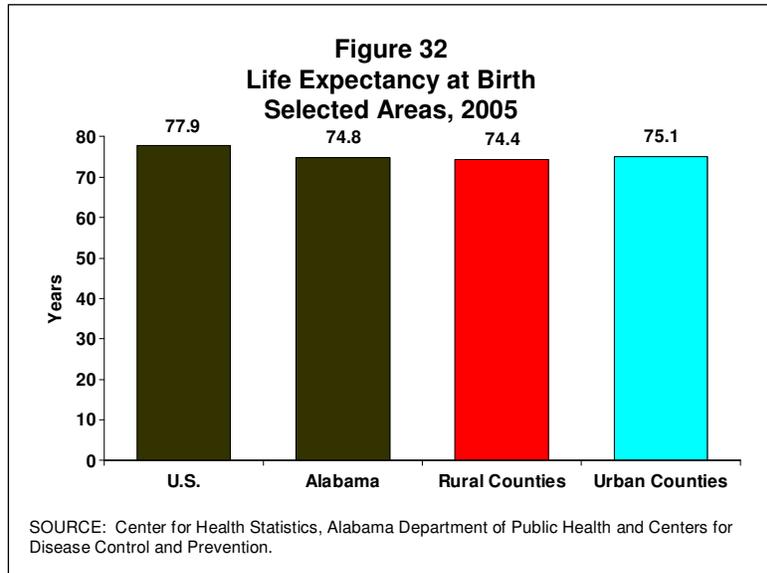
The lower prevalence of adequate prenatal care and the difficulty in receiving obstetrical service are not the only birth related factors threatening the health status of rural Alabama's mothers and babies. Other selected demographic characteristics such as poverty and lower formal education and risk factors such as births to teenagers and tobacco use during pregnancy are threatening the short and long term health status of rural Alabama's mothers and babies.

Figures 28-31 present graphical descriptions of this elevated risk. It was noted earlier that nearly one quarter of all rural Alabama residents are eligible for Medicaid coverage. This reliance upon Medicaid is even greater for births. As can be seen in Figure 28, 54.7 percent of all births to rural residents were paid for by Medicaid compared to 45.5 percent for urban residents. Nearly one in every five births to rural resident women (21.7 percent) involves a woman who is undereducated compared to 16.3 percent for urban resident women as is seen in Figure 29. Undereducated describes women who had more than two years of education less than would be normal for her age. Figure 30 reveals that 15.2 percent of all births to rural Alabama residents are to a teenage (under 20 years) woman compared to 12.8 percent for urban residents and only 10.3 percent nationally. Figure 31 reveals that 11.8 percent of all births to rural Alabama residents involved women who used tobacco during their pregnancy compared to only 9.6 percent for urban residents and 10.2 percent nationally.



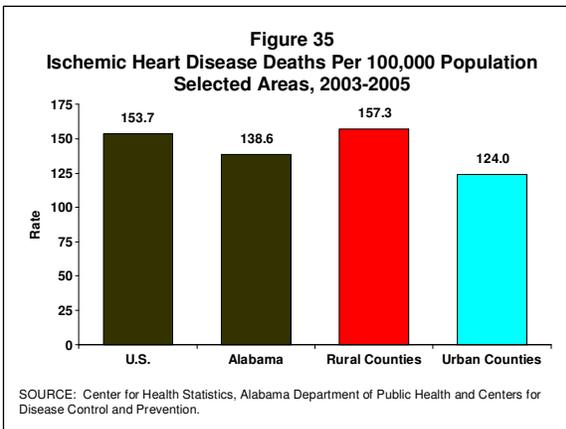
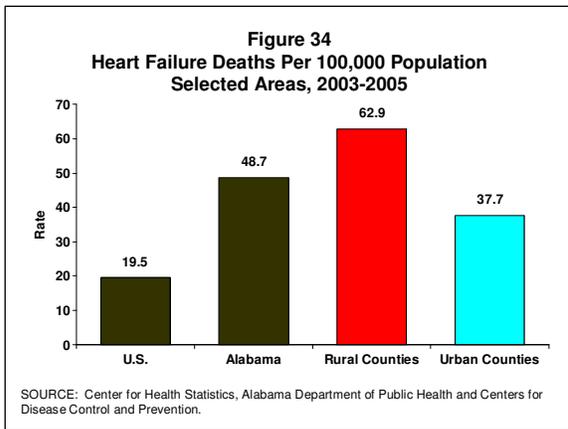
## General Health Status of Alabama’s Rural Residents Compares Unfavorably to Urban Residents

One of the most widely recognized indicators of health status, life expectancy, clearly shows the disparity between the overall health status of rural Alabamians compared to their urban counterparts. A rural resident born today is expected to have a lifetime that is more than one half of a year shorter than an urban resident born today – 74.4 years compared to 75.1 years. The disparity is even greater when compared to national life expectancy. Nationally, a person born today is expected to live 3.5 years longer than a rural Alabamian. These disparities can be seen in Figure 32.

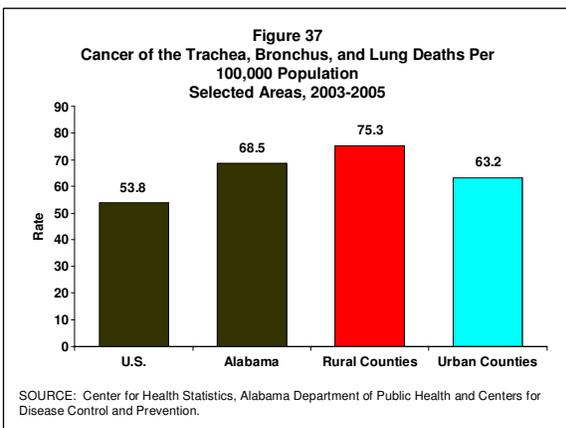
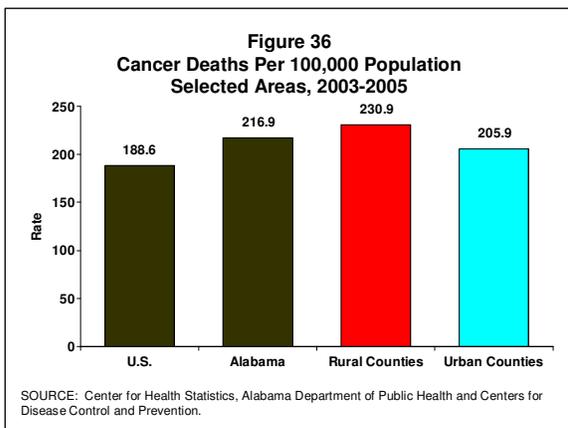


The reasons for life expectancy disparity between Alabama’s rural and urban residents are quite diverse, including the factors already noted along with many other contributing factors. An analysis of the causes of death among rural Alabamians clearly reveals the diversity of environmental, behavioral, and other differences. Higher mortality rates from suicide and accidents

(especially motor vehicle accidents, drowning, and fires) have already been described. In addition, mortality or death rates for heart diseases, Alabama’s leading cause of death since 1924, are significantly higher among rural residents. During 2003-2005, Alabama’s rural residents experienced a mortality rate of 330.6 deaths per 100,000 persons each year compared to only 250.0 for urban residents and 230.1 for the nation. The rural-urban disparity was greatest for heart failure and ischemic heart disease, two large components of heart diseases. These disparities can be seen in Figures 33-35.



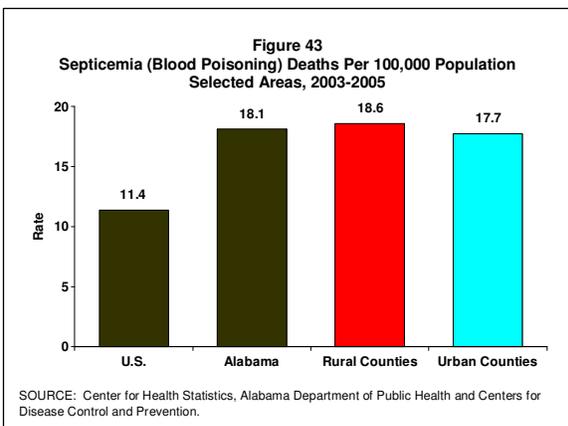
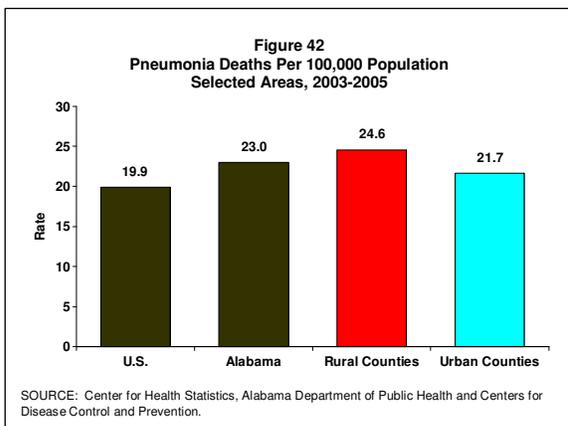
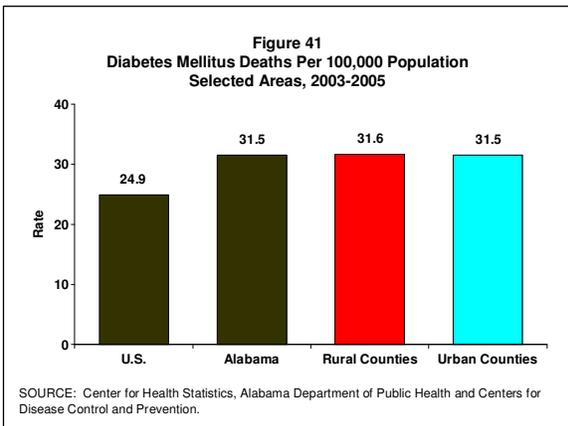
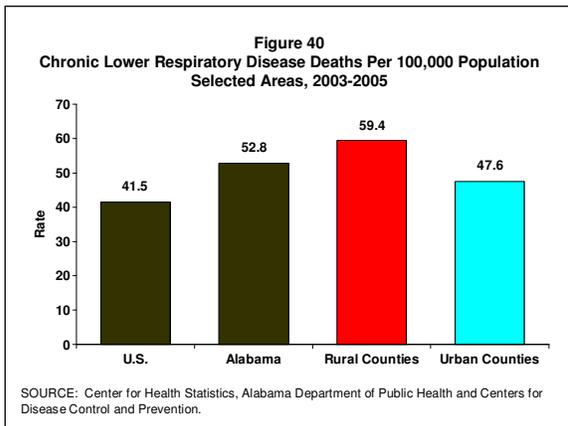
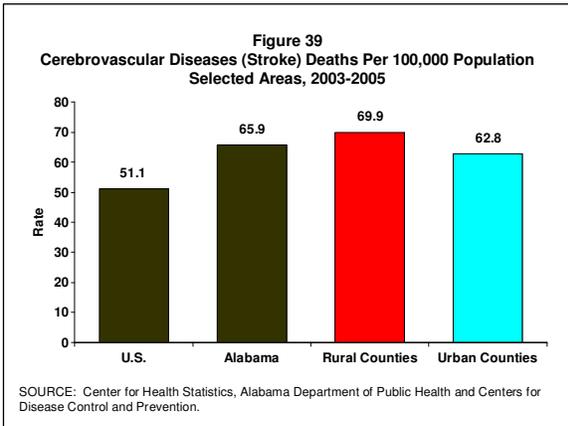
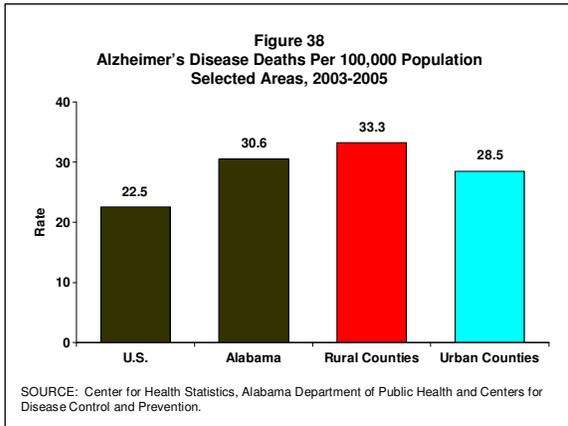
Cancer mortality is also greater among rural Alabamians. During 2003-2005, the mortality rate for deaths due to cancer was 230.9 deaths per 100,000 persons each year for Alabama’s rural residents compared to 205.9 for urban county residents and 188.6 for the nation. This can be seen in Figure 36. This rural-urban disparity in mortality was also seen for cancer of the trachea, bronchus and lung where the rural mortality rate was 75.3 compared to 63.2 for urban residents and 53.8 for the nation. This can be seen in Figure 37. Other cancer sites with mortality rates higher among rural Alabama residents include the following: colon, rectum, and anus; breast; cervix uteri; ovary; prostate; and meninges, brain, and other parts of the central nervous system.



Other major causes of death for which the rural-urban disparity is greater include Alzheimer’s disease, cerebrovascular diseases (stroke), chronic lower respiratory diseases, diabetes, pneumonia, and septicemia (blood poisoning). Figures 38-43 graphically present descriptions of these disparities.

The risk factors for these conditions and others previously noted clearly indicate a greater need for health education, behavioral modification, and quality health care. Obesity is emerging as a major healthcare behavioral crisis in all of Alabama including rural areas. It was estimated in 2003 that 23.5 percent of all rural Alabama residents are obese – not simply overweight. According to the 2007 Behavioral Risk Factor Surveillance System,

30.9 percent of all Alabamians were obese. This was the second highest percentage among all states.



This brief presentation of more prominent health status indicators and access/availability issues that are challenging Alabama's rural hospitals is far from being all-inclusive. At its very basis, the Rural Hospital Flexibility Program seeks to assure the survival of rural hospitals and improve the health status of rural residents. There is no quick and easy fix to this crisis. This will require a long and difficult struggle. It is a struggle for which

failure holds such destructive promises that failure cannot be considered as an option. FLEX funding, though small, has already been used to positively intervene, accomplishing many improvements and prompting innovations that rural hospitals would not have otherwise been financially able to consider. Alabama's rural healthcare system is stronger and providing additional and higher quality service because of participation in this program.

2

# **SECTION 2:**

## **Flex Plans**

## **Flex Plans**

Section 2 of the Revised Rural Health Plan focuses on an overview of the Flex program achievements and discussion of the future Flex initiatives identified in the focus group consultations. Three focus groups were conducted concentrating on EMS Issues, Quality Initiatives and Critical Access Hospitals. The resulting needs identified from the focus groups were used by the Flex oversight committee to plan for Alabama's future Flex funding activities over the next three years. The future Flex objectives were prioritized in immediate (one year), intermediate (two years) and long-term (three years) time frames. Each future Flex objective also has a corresponding measure and outcome defined. The Flex oversight committee felt this format would enhance the development of the evaluation process described in Section 3 of the Revised Rural Health Plan. The future objectives, measures and outcomes for each time frame reflect activities for a total of 28 hospitals including three Alabama Critical Access Hospitals (CAHs) and twenty-five rural Alabama hospitals that meet the 2008 Medicare Rural Hospital Flexibility Program requirements. A fourth critical access hospital participated in the focus group but has converted back to general acute care hospital status due to greater financial returns under the PPS payment schedule.

In addition, the CAH hospital focus group identified immediate, intermediate and long-term objectives, measures and outcomes to strengthen their networking relationships. This objective applies to the critical access hospitals and their effort to develop a rural network designation with other full service hospitals. Although many of the network activities they identified are also applicable to non-CAH facilities as well.

## **Overview of Flex Program Achievements in Alabama During 2007-2008**

During 2007-2008, the 29 Flex hospitals in Alabama allocated their Flex funds for training in the areas of EMS and quality improvement.

- The Alabama Quality Assurance Foundation (AQAF), the State Quality Improvement Organization, conducted a train-the-trainer program on root cause analysis for twenty-nine small rural hospitals.
- Twenty-five hospitals improved quality of clinical care delivery, operational performance of facilities, and health status of their communities by training their personnel on patient safety, management improvement, health promotion and accessing scarce health care services.
- Two Critical Access Hospitals (CAHs) have had personnel trained on and used the Rural Performance Measurement (RPM) web-based quality tracking and improvement system.
- Emergency Medical Services (EMS) training was provided to Emergency Department staff and first responders for 29 small, rural hospitals.

In addition to the training programs, other Flex program achievements include:

- One Flex hospital has been approved for a financial review to determine the feasibility of converting to CAH status.
- One of the Flex Grant Oversight Committee members provided rural representation to the State Trauma System regional and state advisory council.
- A consultant was engaged to evaluate the Flex program and the funding over the last three years.

## **Focus Groups**

In an effort to update Alabama's Flex Program Rural Health Plan a series of focus groups were organized around the following Flex program goals:

1. Improvement and Integration of EMS services
2. Performance Improvement/Quality Improvement
3. Support and Networking of existing CAHs and designation of additional CAHs

The Alabama Hospital Association and the Office of Primary Care and Rural Health jointly sponsored these focus groups to help identify and plan the use of future Flex funding.

A list of focus group questions was developed by the AlaHA and the OPCRH. These questions were reviewed by the Flex oversight committee. The EMS, Quality Improvement and CAH focus groups included questions on best practices, networking, partnership opportunities and future Flex funding activities.

### **1. EMS Focus Groups**

The EMS focus group included nine participants representing rural hospital directors of professional services, clinical and commercial services, and education; AlaHA; the regional director of West Alabama EMS; and the Deputy Director of EMS at the Alabama Department of Public Health.

The EMS focus group discussion focused on:

- Ways to integrate EMS with other services
- Opportunities to co-train EMS and hospital personnel
- Improve consistency in disaster training efforts across regions and state
- Educate EMS providers on behavioral health patient transport
- Communication issues between pre-hospital (EMS) and in-hospital (ER) under new trauma communication system
- Critical medication training for EMS personnel

## **EMS Needs and Initiatives Identified**

1. Hospital and EMS personnel co-training opportunities focusing on Life Support Training and Certification including:

- Advanced Cardiac Life Support (ACLS)
- Pediatric Advanced Life Support (PALS)
- Basic Trauma Life Support (BTLS)
- Neonatal Advanced Life Support (NALS)

These trainings could be offered in the community to EMS and hospital personnel. Joint training opportunities at the community level would also enhance cooperation between hospital and EMS personnel.

2. Crisis consultations in Emergency Departments by behavioral health consultants. An in-depth discussion regarding interfacility transport of psychiatric and elderly/Alzheimer patients occurred during the focus group session. Both the EMS and hospital representatives agreed that educational sessions should be directed at increasing the comfort level of agitated patients during transport.
3. A recommendation was made that ER nurses and paramedics serving the Flex hospitals should be educated about the growing elderly population and patient handoff issues including medication concerns
4. Activities focused on disaster drill simulations involving hospital and EMS personnel including:

- Weather related
- Natural disaster
- Bio-terrorism response
- Chemical spills
- Volunteer EMS training

Discussion on communications equipment between EMS and the emergency department during a disaster ensued. In a recent tornado event in Enterprise, Alabama communication equipment failed. The only operational communication system in Alabama is the HEAR system. The focus group participants wanted more information on the status of the HEAR system.

5. Other EMS related training courses and programs that were discussed included:
  - Emergency nurses pediatric course
  - Trauma Nursing Core Course
  - Cardio-Pulmonary Resuscitation(CPR) Training
  - Automated External Defibrillator (AED) Training

### Patient Transfer Training Course

6. Coordination of activities between the State Trauma System and the Flex Oversight Committee was mentioned during the EMS focus group session. State EMS representatives participating in the focus group session agreed that the Flex program can assist in preparing and integrating rural hospitals into the State Trauma System; however, leadership in developing this system is the responsibility of the State Trauma Program Coordinating Council.

## **2. Quality Initiative Focus Groups**

The quality initiative activities focus group had nine participants representing the following rural hospital positions:

Director of Nursing  
Director of Quality Improvement  
Assistant Hospital Administrator  
Director of Professional Services

In addition, representatives from the Alabama Hospital Association, the Alabama SORH as well as AQAf, the Alabama Medicare Quality Improvement Organization (QIO) were present at this focus group.

The Quality focus group discussion focused on:

- Best use of Flex funds for quality improvement activities
- Partnership opportunities for benchmarking
- New and Core measure monitoring
- Sharing of quality activities between hospitals

## **Quality Needs and Initiatives Identified**

1. The best use of Flex funds would focus on:
  - The Continuous Service Readiness (CSR) Program and Joint Commission
  - The Alabama Quality Award Program
  - Patient safety and satisfaction surveys
  - Core measure monitoring and compliance
2. The sharing of quality activities between Flex hospitals. The discussion focused on sharing information that is educational such as comparing the use of beds before and after they are designated as swing beds.
3. Partnership opportunities for benchmarking were thought to be difficult because of the lack of uniformity between Flex hospital software/computer vendors. In addition, the rural Flex hospitals were at different levels of automation which would make data sharing difficult. However, plans were discussed during the

focus group that a Benchmark Indicator Program would be addressed. AlaHA mentioned that they were willing to work with the Flex hospitals to evaluate and implement the Rural Performance Management (RPM) Program.

4. Opportunities for educational activities addressing Core and New measures. The QIO and Quality Task Force of the Alabama Hospital Association offer educational activities including wound assessment training and infection control training.
5. Most rural hospitals in Alabama are unable to dedicate a full FTE for a quality improvement position. Most hospital personnel responsible for quality improvement have multiple responsibilities including patient care. Any quality improvement initiatives must take this into consideration.
6. The focus group participants felt that newly hired registered nurses were not familiar with quality measures even though this is now a big part of their job. RN education is not doing a good job of including quality measures in nursing education. The AlaHA Quality Task Force has initiated a work group with the deans of the schools of nursing and the Alabama Board of Nursing to develop curriculums addressing quality issues.
7. Creating group purchasing “GPO’s” was discussed. However, due to the number of vendors used, the focus group decided this would not be feasible on the basis of proprietary issues and satisfaction with the current programs.
8. Many of the hospitals participate in both the SHIP and Flex grant programs. A discussion ensued about the possibility of combining awards at the hospital level from these two programs which would maximize the funding opportunities.

### **3. CAH Focus Group**

A focus group provided assistance in both describing the status of Alabama’s four Critical Access Hospitals (CAHs) and defining future needs for each. The CEO from each of the four CAHs participated in the focus group’s deliberations along with the Flex Co-Directors. The following hospitals were involved:

Washington County Hospital – CAH Conversion Date, November 2002  
Atmore Community Hospital – CAH Conversion Date, July 2005  
Red Bay Hospital – CAH Conversion Date, October 2005  
Randolph Medical Center – CAH Conversion Date, January 2006

The CAH focus group discussed the progress, status, and potential benefits from their working relationship in addressing common needs of the four facilities. An individual interview with each CEO produced a final listing of needs and potential activities to address those needs with future Flex funding. This information is presented in the **CAH**

## **Status of Existing CAHs**

All four facilities have benefited financially since converting to CAH status while expanding their line of services. One has made significant infrastructure improvements to its 54-year-old building including electrical system remediation and purchasing new beds and furniture. Another is exploring options to replace its facility using an architectural design more “hospitable” to both patients and their families. All four have enhanced staff training and increased participation in programs to monitor and address established quality of care standards and operational performance benchmarks.

One facility’s revenue has doubled since its inception as a CAH. A recent assessment of this facility’s cost-based revenue shows a \$150,000 advantage compared to a *pro forma* projection of payments using the PPS schedule. The net revenue at another facility has increased 58% to \$7,930,000; net loss has decreased 89% (\$234,000) to \$1,828,000. A new CEO manages the third CAH and its financial information is not readily available.

The status of the fourth facility provides a rare outcome for the CAH model. Initially, revenue increased approximately \$700,000 the first full year following conversion. However, analysis that is more recent projects greater financial returns for the facility if it were under the PPS payment schedule. After considerable study, the Board and administration decided to relinquish its CAH designation and return to the general acute care hospital status. This process was completed recently.

An interview with the CEO identified several atypical situations for a CAH community in explaining these events. The community’s economy is strong, but significant reductions in the physician workforce over the last several years produced a steadily declining hospital census. The lack of generalist physicians caused local residents to seek primary care outside their community, which resulted in hospital admissions taking place in those communities.

Aggressive recruitment during the last 2 years has successfully brought additional primary care and medical specialty physicians to the community. The added medical staff has produced a doubling of the facility’s Average Daily Census since its CAH conversion – from eight to 17. The service of a general surgeon is contributing significantly to this growing inpatient volume.

Specific efforts to increase services to the Medicare eligible population, including establishing a Certified Rural Health Clinic, achieved some success during the facility’s operation as a CAH. However, at the time of its reinstatement as a general acute care hospital the Medicare patient mix was only 50%. The CEO expressed the belief that remaining a CAH might be appropriate for his facility if Medicare accounted for at least 70% of admissions. However, the facility’s recent surge in admissions may soon result in exceeding the 25-bed CAH limit.

## **Prospects for New CAHs**

Last year the state Certificate of Need (CON) program approved an application for a new hospital in Choctaw County, Alabama. The application acknowledged plans to convert the proposed facility to CAH status following construction. Its location site meets the mileage criteria required between hospitals. No information is available on the anticipated completion date for the new facility. Another hospital that meets statutory requirements for CAH is undergoing a financial feasibility study.

An analysis of rural hospitals by geographic location will identify any additional hospitals eligible for CAH conversion. The analysis uses the 15-mile secondary road interpretation by CMS as a marker in identifying potential conversions to CAH status. Preliminary assessments suggest the locations of one or two additional hospitals may meet the 15-mile criteria. If corroborated by the analysis, consultation and guidance in considering CAH conversion will be made available.

## **CAH Networking**

One of the CAHs has worked with the State Office of Primary Care and Rural Health in implementing a Health Information Technology (HIT) grant funded by HRSA. The grant is producing a HIT network to facilitate reduction of cardiovascular disease through electronic storage and transmission of medical records. One aspect of the network allows cardiovascular disease patients to benefit directly by receiving reminders of physician appointments and other personally tailored information on monitoring their health care needs.

The state's CAHs also have formalized a horizontal network. Although one facility is no longer a CAH, their common interests in operational issues have produced commitments by all four to continue a formal collaboration. The network was incorporated as the Rural Healthcare Consortium of Alabama (RHCA).

The Federal Office of Rural Health Policy awarded a one year Network Planning grant from an application submitted by the CAHs. Resources from this planning grant helped produce formation of the RHCA. The activities generated from the planning grant also included submitting a follow-up application for a Network Development grant. Approval was received recently for this three year Network Development Grant.

During the one year planning grant, the RHCA members identified numerous common needs along with potential strategies to address them. The following section lists these.

The Network Development grant included time-framed objectives to meet the needs identified. These objectives complement Flex Program goals and strengthen commitment of the four facilities to an extended engagement mutually beneficial to all. These objectives are listed later and described in the following time-lines of either immediate (1 year), intermediate (2 years), or long-term (3 years).

## **CAH Needs and Initiatives Identified**

1. Improved access to quality EMS
  - Uniform protocols for ED patient transfers to other facilities
  - More training available in the community to EMS workers
  - Economic issues related to few patients or volume of services – economies of scale
  - EMS operations in some communities getting worse
2. Lack of access to capital – insufficient reimbursements for depreciation costs
  - Cost – based reimbursement from both Medicare and Blue Cross Blue Shield of Alabama – no revenue margin for capital improvements
  - Major infusion of funding to replace worn equipment and purchase new technologies
  - Major infusion of funding for extensive facility renovations (or total replacement) to focus on restoring the “hospitality” to hospitals on behalf of patients and their families
3. Community education and marketing activities
  - Market facility services to community residents – emphasize favorable patient satisfaction scores from HCAHPS in comparison to urban facilities
  - Healthy community education campaigns to stress increasing incidence of diabetes, hypertension, and other chronic disease conditions and the importance of lifestyle changes to combat this trend
  - Community health fairs including medical screening of residents to detect and refer those at need for more thorough medical evaluations and treatment
  - “Hometown Healthcare” meetings and receptions for residents and health care staff to meet and share thoughts on health service needs in the community
4. Electronic Networking and Communications
  - Purchase technology and establish electronic medical records arrangements for community health care providers to access patient information
  - Establish telemedicine network, including reimbursement arrangements, to access diagnostic and consultative medical specialty services not available in the community such as behavioral health, dermatology, and radiology
  - Develop electronic capabilities for intra and inter community communications among health care providers when usual links are not functional due to extensive use or disruption of service due to disasters
  - Establish and maintain health information systems for patients to facilitate control of their chronic diseases
5. Performance and management improvement
  - On-going access to performance improvement consultation from organizations such as Stroudwater Associates

- Management training available in the community for new hires and staff promoted to management positions
  - Attendance of senior management at national meetings related to operating CAHS
  - Monitor, report, and discuss with staff the results of performance core measures produced from Hospital Compare and other management tools; compare to facilities of similar size and patient volume
6. Enhance quality of clinical care delivery
- Establish peer review consultation and education arrangements involving medical staff of the CAH facilities
  - Educational opportunities for clinical staff on diagnostic and treatment updates
  - Activities in establishing procedures that document compliance with the clinical protocols of Hospital Compare and other benchmark programs developed by CMS, Blue Cross Blue Shield of Alabama, or other organizations
  - Develop and provide staff training for timely and appropriate triage in the ED
7. Develop new service lines compatible with community needs identified through “Hometown Healthcare” meetings (see #3 above)
- On-going training on maximizing use of the swing bed program
  - Establishing and financing services needed by aging rural populations such as physical therapy, rehabilitation services, and health promotion programs
  - Sustainability studies on establishing off-campus out-patient clinics such as Certified Rural Health Clinics

Plans for strengthening the network include exploring multiple areas of common interest among its four members. Intermediate (2 year) and Long Term (3 year) plans include adding additional horizontal organizations (hospitals) to the network without regard to whether or not they are CAHs. A network including both vertical and horizontal members moves closer to establishing a seamless and efficient system of health care in each community.

**Future Flex Activities:**  
**Immediate, Intermediate and Long Term Plans in the Areas of**  
**EMS, Quality and Networking**

The needs and initiatives identified by the focus groups were used in developing the following Flex Program objectives for the next three years. However, they should be considered as tentative plans based on the availability of resources, concurrence with Flex Grant Oversight Committee guidelines, and the practicality of implementation.

**Goal 1: Strengthen and Integrate EMS**

(Some of these needs are addressed each year during all 3 years. Others will be completed in the coming year, and still others require at least 3 years to complete.)

| <u>Immediate (1 yr. Obj.)</u>  | <u>Measures</u>  | <u>Outcomes</u>   |
|--|--|---|
| <b>Objectives for All Flex Eligible Hospitals</b>  |  |   |
| 1A Encourage the providing of Life Support training/certification to hospital and community EMS staff members.                                       | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 2A Encourage the offering of training courses in emergency and trauma care to staff already certified in Advanced Life Support.                      | # staff requesting training by course title; # of people approved for and completing training. | # staff by facility and discipline with EMS training beyond Life Support certification. |
| 3A Encourage the providing of opportunities for hospital staff or local residents to become qualified to conduct certified training in Life Support. | # entering training; # completing required courses   | # qualified trainers; # receiving training for certification in service area/community  |
| <b>Objectives for Critical Access Hospitals</b>  |  |   |
| 4A Provide Life Support training/certification to hospital and community EMS staff members.  | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 5A Offer training courses in emergency and trauma care to staff already certified in   | # staff requesting training by course title; # of people approved for and completing           | # staff by facility and discipline with EMS training beyond Life Support                |

|   |  |   |
|---|--|---|
| Advanced Life Support.  | training.  | certification.  |
| 6A Provide opportunities for hospital staff or local residents to become qualified to conduct certified training in Life Support. | # entering training; # completing required courses   | # qualified trainers; # receiving training for certification in service area/community                    |
| 7A Engage a strategic planning exercise to identify EMS needs to be addressed.  | # Needs prioritized and/or potential initiatives identified; # feasibility studies conducted | Plan produced with 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> year objectives to improve EMS |

**Intermediate (2<sup>nd</sup> yr. Obj.)**

**Measures**

**Outcomes**

**Objectives for All Flex Eligible Hospitals**

|  |  |   |
|--|--|---|
| 1A Encourage the providing of Life Support training/certification to hospital and community EMS staff members.                                       | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 2A Encourage the offering of training courses in emergency and trauma care to staff already certified in Advanced Life Support.                      | # staff requesting training by course title; # of people approved for and completing training. | # staff by facility and discipline with EMS training beyond Life Support certification. |
| 3A Encourage the providing of opportunities for hospital staff or local residents to become qualified to conduct certified training in Life Support. | # entering training; # completing required courses   | # qualified trainers; # receiving training for certification in service area/community  |

**Objectives for Critical Access Hospitals**

|  |  |   |
|--|--|---|
| 4A Provide Life Support training/certification to hospital and community EMS staff members.                              | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 5A Offer training courses in emergency and trauma care to staff already certified in Advanced Life Support.              | # staff requesting training by course title; # of people approved for and completing training. | # staff by facility and discipline with EMS training beyond Life Support certification. |
| 6A Provide opportunities for hospital staff or local residents to become qualified to conduct certified training in Life | # entering training; # completing required courses   | # qualified trainers; # receiving training for certification in service area            |

Support.

|   |  |  |
|---|--|--|
| 7A Create focus groups to develop strategies for EMS needs including communication links and future needs. (It is possible that non-CAHs may be involved in this objective.)                  | Equal involvement of health and community representatives; strategies completed by established timelines | Entire community engaged in EMS system enhancement   |
| 8A Identify external services needed to improve Emergency Department operations such as behavioral health consultations. (It is possible that non-CAHs may be involved in this objective.)    | # and types of services needed in each participating service area/community                              | Improved crisis care by networking with other health care providers  |
| 9A Investigate potential for other small, rural hospitals to participate in the RHDA Network to contract with Emergency Physician organization to provide 24/7 Emergency Department coverage. | Cost and arrangements for Emergency Department coverage  | Confidence in Emergency Department services increased in service area/community; relief for local physicians |

**Long Term (3<sup>rd</sup> yr. Obj.)**

**Measures**

**Outcomes**

**Objectives for All Flex Eligible Hospitals**

|  |  |   |
|--|--|---|
| 1A Encourage the providing of Life Support training/certification to hospital and community EMS staff members.                                       | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 2A Encourage the offering of training courses in emergency and trauma care to staff already certified in Advanced Life Support.                      | # staff requesting training by course title; # of people approved for and completing training. | # staff by facility and discipline with EMS training beyond Life Support certification. |
| 3A Encourage the providing of opportunities for hospital staff or local residents to become qualified to conduct certified training in Life Support. | # entering training; # completing required courses   | # qualified trainers; # receiving training for certification in service area            |

### Objectives for Critical Access Hospitals

|   |  |   |
|---|--|---|
| 4A Provide Life Support training/certification to hospital and community EMS staff members.   | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 5A Offer training courses in emergency and trauma care to staff already certified in Advanced Life Support.   | # staff requesting training by course title; # of people approved for and completing training. | # staff by facility and discipline with EMS training beyond Life Support certification. |
| 6A Provide of Life Support training/certification to hospital and community EMS staff members.  | # training sessions by type of training; # staff trained by type of training                   | # staff certified and recertified by discipline and type of training                    |
| 7A Organize and provide training for Emergency Department staff and community EMS workers on patient transfer procedures. (It is possible that non-CAHs may be involved in this objective.) | # staff/EMS workers trained; # training sessions   | Integration of EMS in health system; Efficient use of health workers                    |
| 8A Implement strategies developed previous year to meet service area/community specific needs in EMS. (It is possible that non-CAHs may be involved in this objective.)                     | # strategies implemented   | Community involved in health care plans   |
| 9A Implement redundant methods for both intra-community and intra-state communications for EMS purposes. (It is possible that non-CAHs may be involved in this objective.)                  | # of systems by type needed; Delineate plan for use of each system; Cost per system            | Consensus in each service area/community on EMS communications                          |

## **Goal 2: Quality/Performance Improvement**

### **Improve the Quality of Care Received in Rural Hospitals and the Public's Perception of This Quality**

**(Some of these needs are addressed each year during all 3 years. Others will be completed in the coming year, and still others require at least 3 years to complete.)**

| <b><u>Immediate (1 yr. Obj.)</u></b>   | <b><u>Measures</u></b>  | <b><u>Outcomes</u></b>   |
|--|---|--|
| <b>Objectives for All Flex Eligible Hospitals</b>  |   |  |
| 1B Encourage the use of Flex funding for Continuous Service Readiness (CSR) program participation.   | # Flex eligible hospitals using Flex funds for such participation.  | Flex eligible hospitals improve performance on such surveys.   |
| 2B Encourage Flex eligible hospitals to use Flex funding to seek the Alabama Quality Award from the Alabama Productivity Center at the University of Alabama in Tuscaloosa or similar recognition. | # Flex eligible hospitals using Flex funds for such participation.  | Flex eligible hospitals are recognized as facilities of higher production, service, and management quality.  |
| 3B Encourage Flex eligible hospitals to use Flex funding to conduct patient safety/satisfaction surveys.   | # Flex eligible hospitals using Flex funds for such surveys.  | Flex eligible hospitals learn more about their actual or perceived strengths and weaknesses and can react to improve their quality of care or perceived quality of care. |
| 4B Encourage the use of Flex funding to increase hospital visibility and recognition as a major quality healthcare provider through such events as screenings, health fairs, etc.                  | # of Flex eligible hospitals participating in such events, # of such events being conducted by each hospital, # of screenings actually conducted, # different types of screenings conducted | Hospitals are seen by the local community as being quality providers of healthcare services. Erroneous quality opinions can be dispelled through such visibility.        |
| 5B Encourage the use of Flex funds to inform the local community about quality of healthcare activities, recognition, etc.   | # of such public relations releases   | Hospitals receive due credit for being quality facilities and increase utilization by potential consumers.   |
| 6B Encourage the use of Flex funds to address core   | # of Flex eligible hospitals addressing such measures   | Hospitals improve scores resulting in improved quality   |

measures.

of care

7B Encourage the use of Flex funds for Flex eligible hospitals to participate in benchmarking programs such as RPM.

# of Flex eligible hospitals participating in benchmarking programs such as RPM.

Increased efficiency, improved quality in Flex eligible hospitals

### Objectives for Critical Access Hospitals

8B Provide training to staff in selected new clinical procedures and/or protocols.

# clinical staff trained by discipline for specified courses; % total clinical staff trained during year.

Improved quality based on # staff completing training; # certified; other evidence of training successes.

9B Finalize Rural Performance Management (RPM) System implementation.

# Critical Access Hospitals (CAH) with fully operational systems.

Relevant operation data routinely reported to management.

10B Continue participating in Hospital Compare and finalize implementing RPM.

Process, outcome, and Hospital Consumer Assessment of Healthcare Providers (HCAHPS) measures of each CAH compared to national benchmarks.

Changes in procedures by management influenced by Hospital Compare reports.

11B Develop physician peer review/education program for medical staff of the CAHs.

# education forums held, # physicians participating, # favorable evaluations.

Improved outcomes of medical decisions from consultations.

12B Engage a strategic planning exercise to identify quality and performance needs to be addressed.

# needs prioritized and methods identified, # feasibility studies conducted.

Plan produced with 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> year objectives to improve quality and performance.

### Intermediate (2<sup>nd</sup> yr. Obj.)

### Measures

### Outcomes

### Objectives for All Flex Eligible Hospitals

1B Encourage continued participation in Continuous Service Readiness (CSR) program participation for hospitals already participating.

# qualified hospitals participating in CSR programs in year one that continue such participation.

# qualified hospitals improving performance on such surveys.

2B Continue encouragement of Flex eligible hospitals to use Flex funding to seek the Alabama Quality Award or

# additional Flex eligible hospitals using Flex funds for such participation.

Flex eligible hospitals are recognized as facilities of higher production, service, and management quality.

similar recognition.

|  |   |  |
|--|---|--|
| 3B Encourage Flex eligible hospitals to use Flex funding or to secure more permanent and stable funding for continuing to conduct patient safety/satisfaction surveys or initiate such surveys if these are not already being conducted. | # Flex eligible hospitals using Flex funds for such surveys.  | Flex eligible hospitals learn more about their actual or perceived strengths and weaknesses and can react to improve their quality of care or perceived quality of care. |
| 4B Encourage Flex eligible hospitals to use Flex funding to conduct patient safety/satisfaction surveys.   | # Flex eligible hospitals using Flex funds for such surveys.  | Flex eligible hospitals learn more about their actual or perceived strengths and weaknesses and can react to improve their quality of care or perceived quality of care. |
| 5B Encourage the expansion of hospital visibility and recognition as a major quality healthcare provider through such events as screenings, health fairs, etc.   | # of hospitals participating in such events, # of such events being conducted by each hospital, # of screenings actually conducted, # different types of screenings conducted | Hospitals are seen by the local community as being quality providers of healthcare services. Erroneous quality opinions can be dispelled through such visibility.        |
| 6B Continue to encourage qualified hospitals to inform the local community about quality of healthcare activities, recognition, etc.   | # of such public relations releases, daily census, hospital financial status.   | Hospitals receive due credit for being quality facilities and increase utilization by potential consumers.   |
| 7B Encourage the use of Flex funds to address core measures.   | # of Flex eligible hospitals addressing such measures   | Hospitals improve scores resulting in improved quality of care   |
| 8B Encourage the use of Flex funds for Flex eligible hospitals to participate in benchmarking programs such as RPM.  | # of Flex eligible hospitals participating in benchmarking programs such as RPM.  | Increased efficiency, improved quality in Flex eligible hospitals  |

### **Objectives for Critical Access Hospitals**

|   |   |  |
|---|---|--|
| 9B Review, refine, finalize decisions on networking feasibility studies begun the previous year. (This is also Intermediate Strengthen Network Relationship Objective 3C) | Assess the following feasibility studies: tele-health arrangements, group purchasing of drugs and laboratory supplies, and staff recruiting services. | More efficient operation and increased local services. |
|---|---|--|

|   |   |  |
|---|---|--|
| 10B Finalize implementation of the Healthcare Information Technology (HIT) system in all sites.           | Completed implementation for each component by established dates.   | Increased efficiency for data collection for financial, clinical and performance evaluation. |
| 11B Engage Stroudwater Associates to assess Medicare Cost Reports and review RPM results with management. | Completeness in capturing all cost areas identified by RPM reports needing attention.                             | Maximize reimbursement and improve operations.   |
| 12B Initiate feasibility studies with business plans for joint expansion of service lines.                | Studies completed on network owned home health/hospice services and physician/occupation/speech therapy services. | Improve quality/efficiency of services to residents.   |
| <b><u>Long Term (3<sup>rd</sup> yr. Obj.)</u></b>   | <b><u>Measures</u></b>  | <b><u>Outcomes</u></b>   |

**Objectives for All Flex Eligible Hospitals**

|   |   |  |
|---|---|--|
| 1B Identify hospitals recognizing the greatest benefits from Continuous Service Readiness (CSR) program participation, identify why and where this benefit was seen, and share this information with other hospitals. | # hospitals employing information learned through this analysis.                    | # hospitals improving performance after employing findings from this study.  |
| 2B Encourage hospitals using Flex funding for Continuous Service Readiness (CSR) program participation to secure more permanent and stable funding for continuing program participation.                              | # hospitals seeking and finding non-Flex funding to continue program participation. | Hospitals realize the value of such program participation to their financial status and are able to continue program participation without Flex funding.                 |
| 3B Encourage Flex eligible hospitals to secure more permanent and stable funding for continuing Alabama Quality Award or similar recognition participation.   | # hospitals seeking and finding non-Flex funding to continue program participation. | Hospitals realize the value of such program participation to their financial status and are able to continue program participation without Flex funding.                 |
| 4B Encourage Flex eligible hospitals to use Flex funding to conduct patient safety/satisfaction surveys.  | # Flex eligible hospitals using Flex funds for such surveys.                        | Flex eligible hospitals learn more about their actual or perceived strengths and weaknesses and can react to improve their quality of care or perceived quality of care. |

|  |   |   |
|--|---|---|
| 5B Continue to encourage the expansion of hospital visibility and recognition as a major quality healthcare provider through such events as screenings, health fairs, etc. | # of hospitals participating in such events, # of such events being conducted by each hospital, # of screenings actually conducted, # different types of screenings conducted | Hospitals are seen by the local community as being quality providers of healthcare services. Erroneous quality opinions can be dispelled through such visibility. |
| 6B Continue to encourage qualified hospitals to inform the local community about quality of healthcare activities, recognition, etc.                                       | # of such public relations releases, daily census, hospital financial status.   | Hospitals receive due credit for being quality facilities and increase utilization by potential consumers.  |
| 7B Encourage the use of Flex funds to address core measures.   | # of Flex eligible hospitals addressing such measures   | Hospitals improve scores resulting in improved quality of care  |
| 8B Encourage the use of Flex funds for Flex eligible hospitals to participate in benchmarking programs such as RPM.  | # of Flex eligible hospitals participating in benchmarking programs such as RPM.  | Increased efficiency, improved quality in Flex eligible hospitals   |

### **Objectives for Critical Access Hospitals**

|  |   |   |
|--|---|---|
| 7B Review strategic plan and update as appropriate.                  | Changes prioritized.  | Increased likelihood of network continuing.   |
| 8B Make decisions on feasibility studies to expand lines of service. | Consensus on services to be pursued.  | Increased quality services, revenue enhanced. |
| 9B Develop on-line staff education program.                          | Resources identified for instruction in swing bed management, community education on diabetes and hypertension, supervision, and other needed topics. | Improve clinical care and management.         |

### **Goal 3: Strengthen Networking Relationships**

**(Some of these needs are addressed each year during all 3 years. Others will be completed in the coming year, and still others require at least 3 years to complete.)**

#### **Immediate (1 yr. Obj.)**

#### **Measures**

#### **Outcomes**

#### **Objectives for All Flex Eligible Hospitals**

|  |   |                          |
|--|---|--------------------------|
| 1C Encourage the use of Flex funds for participating in an existing network or establishing new networks to enhance or improve EMS, quality, or otherwise strengthening rural hospitals. | Estimates of financial status with and without participation in the network(s). | More efficient operation |
|--|---|--------------------------|

#### **Objectives for Critical Access Hospitals**

|   |  |   |
|---|--|---|
| 2C Conduct feasibility study on building a wellness center in each of the CAH communities.  | Potential partners specify centers' contents and operations  | Pro or Con decision in each community   |
| 3C Conduct feasibility studies on tele-health arrangements, group purchasing of drugs and laboratory supplies, and staff recruiting services. | Potential partners identify possible tele-health services; Potential savings per item and delivery options from group purchasing; Potential partners evaluate staff recruitment advantages and disadvantages | Pro or Con decision in each CAH   |
| 4C Identify other potential joint ventures for network members.   | Assignments to lead feasibility studies with business plans  | Shared services e.g. telehealth arrangements with USA Medical Center; staff recruitment |
| 5C Develop a network web site.  | Web site content; Projections of cost to develop/maintain  | Staff interaction; Foundation to expand network   |
| 6C Develop marketing/public relations strategy including community education on chronic disease.  | Engage focus groups to discuss methods; Identify knowledgeable subject matter experts  | Awareness of locally available health services; improved health status                  |
| 7C Finalize HIT system plans and start implementing system at each site.  | Final decisions on system use and requirements; Completion of project by established due dates   | Improved record system and data bases; Easy access to patient data                      |

**Intermediate (2<sup>nd</sup> yr. Obj.)**

**Measures**

**Outcomes**

**Objectives for All Flex Eligible Hospitals**

1C Encourage the use of Flex funds for participating in an existing network or establishing new networks to enhance or improve EMS, quality, or otherwise strengthening rural hospitals.

Estimates of financial status with and without participation in the network(s).

More efficient operation

**Objectives for Critical Access Hospitals**

2C Develop network sustainability plan including financial needs and potential funding sources.

Determine financial need; Identify potential resources; Initiate plans to secure funds

Network continues

3C Expand Web site by adding links to resources, similar organizations, and the community at large.

Setting and meeting expansion time lines; Decide expansion links

Communication link with potential network partners

4C Review, refine, finalize decisions on networking feasibility studies begun the previous year. (This is also Intermediate Quality/Performance Improvement Objective 8B)

Assess the following feasibility studies: tele-health arrangements, group purchasing of drugs and laboratory supplies, and staff recruiting services.

More efficient operation and increased local services.

5C Pilot implementation of marketing/public relations plan including community education on chronic disease.

Decisions based on community feedback

Increased confidence for success of final marketing and education products

**Long Term (3<sup>rd</sup> yr. Obj.)**

**Measures**

**Outcomes**

**Objectives for All Flex Eligible Hospitals**

1C Encourage the use of Flex funds for participating in an existing network or establishing new networks to enhance or improve EMS, quality, or otherwise strengthening rural hospitals.

Estimates of financial status with and without participation in the network(s).

More efficient operation

### Objectives for Critical Access Hospitals

|   |   |  |
|---|---|--|
| 2C Continue expansion of Web site links and services.   | Prioritized list of potential links and other information added.            | Enhanced tool for recruiting additional network members                    |
| 3C Formalize arrangements and add additional network members.   | # and types of new network members  | Network strengthened with new members; Network resources expanded          |
| 4C Continue pursuing resources to sustain the network.  | Potential resources contacted; maximize allowable CAH cost reimbursement    | Network sustained or partially sustained                                   |
| 5C Fully implement the marketing/public relations plan and community education program on chronic diseases. | # marketing encounters reaching public; # educational materials distributed | Use of local health services increased; Self management of chronic disease |
| 6C Complete HIT system implementation in original and new network member sites.                             | # sites functional  | Enhanced data collection and management; Improved patient health status    |

**3**

# **SECTION 3:**

## **Evaluation Plans**

## **Evaluation Plans**

The peer reviews from Alabama's previous Medicare Rural Hospital Flexibility Grant Program (Flex) applications provide the foundation in developing evaluation strategies for the new cycle of Flex funding. These reviews emphasize the need for greater efforts in quantifying and measuring the results and impact from Alabama's Flex program. The guiding principle in evaluating all of Alabama's initiatives and activities will be to determine which work and which do not work. Those that do not work will be either discontinued or modified. If appropriate, resources will be re-directed to other Flex goals and objectives.

Evaluation of Alabama's Flex Program during the next 3 years will consider national needs, state needs, and community level needs. The Flex staff will continue participating in the National Flex Monitoring Program in satisfying national needs. The Flex Co-Directors will use guidance from the state level Grant Oversight Committee in identifying the information needed in evaluating the Program's impact at both state and community levels in Alabama.

The three CAHs and 25 other Flex eligible hospitals must first embrace proposed activities and strategies in order to achieve success. Including them in planning which initiatives are compatible with and accommodate their needs can accomplish this objective. Throughout the upcoming 3-year period, meetings and discussions will seek on-going feedback on the Flex program from all facilities. Formal arrangements to accomplish this include quarterly regional hospital council meetings and Flex staff conducting at least one on-site visit annually to each of the facilities.

## **Evaluating Subcontracts**

From the beginning of the Flex Program, a significant portion of Alabama's grant has been subcontracted each year directly to Flex eligible hospitals. Sub-contract funding decisions are based on assessments of hospital applications made in response to RFPs. Community hospitals have used subcontract resources to provide initiatives in Quality/Performance Improvement, EMS Integration, and Networking activities. Many hospital staff and community EMS workers have participated in training programs funded by these Flex funds. Plans for the next 3 years include continuing this arrangement since surveys have found that many of these training opportunities would not be available without Flex support.

Flex staff will use technical assistance available from Grant Oversight Committee members in negotiating subcontract arrangements with vendors of computerized software packages, on-line training programs, and organizations such as the state QIO. Selections will consider the compatibility with existing programs, cost, and the needs of participating facilities.

Demonstrating the achievements and outcome in accomplishing Flex goals and objectives will become the concern of all participants in the Flex Program. Funding proposals for subcontracts will include suggested measures with quantified indicators of success. Subcontractors also will submit progress reports to Flex Program staff at negotiated time intervals. A year-end report from each subcontractor will include an assessment of the outcome and impact achieved based on the pre-established measures referenced above.

Flex approved projects and activities will be organized and tracked through a spreadsheet format. Quarterly progress assessments will enable Grant Oversight Committee members to remain current with program developments through phone communication and face-to-face meetings. Activities not progressing according to established timelines or that appear to be unworkable will be monitored more frequently. Discussions with the Grant Oversight Committee could result in decisions to redirect grant resources.

## **Use of Benchmarks**

All Flex eligible hospitals participate in Hospital Compare. Implementation of additional benchmarking programs will allow comparisons of critical measures on operational performance and quality of care among the state's small rural hospitals. The Rural Performance Management (RPM) system was implemented in two CAHs in May, 2008. A similar benchmarking program for the Flex eligible facilities to establish networks for sharing information on operational performance issues, physician peer reviews, and educational programs tailored to common needs should be explored.

One outcome from the Flex program has been greater participation by rural hospitals in JCAHO's Continuous Survey Readiness Program. The information provided from this program is provided on a scheduled arrangement to enrolled hospitals. Analysis of reports from this program identifies educational needs of administrative and clinical staff members.

The Alabama Blue Cross and Blue Shield organization provides coverage to at least 2/3 of state residents with commercial insurance. The organization has established a Tier System of care that requires facilities to comply with specified standards of services for each respective Tier (level) of care. Surveillance reports from this program provide the information needed in developing management action plans to achieve a prescribed level of quality care.

The Flex Program staff will encourage participation by rural hospitals in the Alabama Quality Improvement Forum. The Alabama Hospital Association, Alabama Quality Assurance Foundation, and Blue Cross Blue Shield of Alabama sponsor the Forum jointly. Benefits of participating include learning issues and trends impacting hospitals both nationally and statewide along with a dual educational tract for rural and urban hospitals with shared best practices being distributed.

## **Collection of Information**

The Alabama Flex Program is dedicated to fulfilling reporting needs as published November 14, 2007 in the Federal Register, Vol. 72, No. 219, pg. 64084. Attachment 1- **Subcontract Hospital Report Form** will provide a common format for all Flex eligible hospitals to capture and submit measurable indicators as outlined in the Federal Register citation.

This includes information such as:

- number people entering training
- number people completing training
- trainee assessments of courses
- number attending educational meetings
- number of hospitals funded
- number of people screened during health fair;
- number of people identified during high risk factors;
- referral outcomes
- number of behavioral health consultations provided in hospital  
Emergency Departments

The Flex Co-Directors will schedule site visits to each of the SHIP eligible hospitals. These visits will include discussion of the benchmarking activities described above and any technical assistance needed in addressing unresolved issues.

Examples of Best Practices will be gathered during these visits and both successful and unsuccessful experiences shared with the rural hospital constituency group. The Attachment 2 – **On -Site Surveillance Form** will provide the format and guidance for these visits.

All community visits and attendance at regional or state level meetings will emphasize the importance of measuring the Flex program's impact. The strategic planning conducted in producing this revised State Rural Health Plan has produced a continued commitment to identifying more in-depth evaluations and public announcements of Flex accomplishments. The ultimate intent of all evaluation efforts is to ensure the most productive and efficient use of funds in providing quality health care to rural residents, improving their health status, and stabilizing rural hospitals.

The purpose of the on-site visits is to assist Flex eligible hospitals to compile and report information in a quantified format on the activities provided from grant support. In addition, it provides a uniform format for data collection from all participating hospitals. Measurable indicators of activities are an important component in monitoring the annual progress of the Flex Program at both state and national levels. Examples include how many hospitals receive grant support, the total number of people trained, and the number of quality improvement systems implemented in CAHs and other Flex eligible hospitals.

To the extent possible, the information below should be collected as activities occur beginning with the effective date of the subcontract and ending with the conclusion of the grant year.

**Attachment 1**  
**Subcontract Hospital Report Form**

**Quality Improvement**

Q1. Number of Flex funded conferences, meetings, seminars, or workshops attended \_\_\_\_ Number of staff members participating \_\_\_\_

Q2. Number of staff members participating in on-line training programs, \_\_\_\_; AQAF training sessions, \_\_\_\_; training sessions on clinical care issues such as wound care management or infection control \_\_\_\_

Q3. Quality Improvement software purchased or upgraded? \_\_\_Yes \_\_\_NO  
If yes, please specify type and use \_\_\_\_\_

Q4. Other educational packages or videos purchased relating to (please check) reducing medications errors \_\_\_\_, improving patient safety \_\_\_\_, hospital safety compliance \_\_\_\_, tracking/reporting core measures, \_\_\_\_, EMTALA training \_\_\_\_

Q5. Other training and education activities provided directed to improving delivery of clinical services and patient outcomes?  
Please specify \_\_\_\_\_  
Number of staff participating \_\_\_\_

Q6. Number of health fairs participated in \_\_\_\_, Number of other organizations participating \_\_\_\_, Number of community residents attending \_\_\_\_; Number of abnormal screenings (or people at risk) detected \_\_\_\_

Comments on Quality Improvement activities?

**Performance or Management Improvement**

P1. Number of training programs provided for staff on leadership, supervision, management principles, or similar purposes \_\_\_\_  
Number of staff members who participated \_\_\_\_

P2. Number of patients participating in Customer Satisfaction Surveys \_\_\_\_

P3. Check here if your Charge Master Account was up-dated ( )

Comments on Performance or Management Improvement activities?

**EMS Improvement and Integration**

E1. Life Support Training and Certification: (Hospital and EMS Workers)  
Number trained/certified in Advanced Cardiac Life Support (ACLS) \_\_\_\_  
Number trained/certified in Pediatric Advanced Life Support (PALS) \_\_\_\_  
Number trained/certified in Basic Trauma Life Support (BTLS) \_\_\_\_  
Number trained/certified in Neonatal Advanced Life Support (NALS) \_\_\_\_

E2. Number participating in other ED and EMS Training such as Emergency Nurses Pediatric Course, Trauma Nursing Core Course, CPR, AED use, etc. \_\_\_\_

E3. Number of training sessions for volunteer EMS workers \_\_\_\_  
Number of people trained \_\_\_\_

E4. ED Quality Improvement initiatives implemented or supported?  
Please specify: \_\_\_\_\_

Comments on EMS activities?

**Networking Enhancements or Initiatives:**

N1. Number of networking initiatives ongoing \_\_\_\_ and description:  
\_\_\_\_\_  
\_\_\_\_\_

N2. Actual or expected benefits derived from these networking initiatives:  
\_\_\_\_\_  
\_\_\_\_\_

Comments on Networking activities:

**Other uses of Flex funds**

Equipment purchased for training. Please specify \_\_\_\_\_

Number of educational videos purchased \_\_\_\_\_

Number of educational manuals purchased \_\_\_\_\_

Please note any other uses of your Flex funds:

**Attachment 2**  
**ON-SITE SURVEILLANCE FORM**

1. Name of Hospital:
2. Ownership:
3. Date(s) of visit:
4. Check all that apply and provide information requested:

CAH \_\_\_\_\_  
Date converted \_\_\_\_\_

PPS Hospital: \_\_\_\_\_  
# Beds \_\_\_\_\_  
Average Daily Census \_\_\_\_\_

Swing Bed Program \_\_\_\_\_  
Date started \_\_\_\_\_  
Occupancy rate \_\_\_\_\_  
Did staff attend Flex supported Swing Bed training? Yes \_\_\_\_ No \_\_\_\_  
Describe program status before and after training:

Distinct Part Unit \_\_\_\_\_  
Gero-Psychiatric \_\_\_\_\_  
Extended Rehab \_\_\_\_\_

Certified Rural Health Clinic \_\_\_\_\_  
Location proximity to Hospital \_\_\_\_\_

Home Health Program \_\_\_\_\_

Attached with Nursing Home \_\_\_\_\_  
# Beds \_\_\_\_\_  
Occupancy \_\_\_\_\_

Community EMS arrangements:

Patient transfer (handoff) arrangements:

5. Summary of Flex supported activities previous 2 years:

6. Progress in implementing this Year's Flex activities:

7. CAH Specific Information

Revenue impact from most recent year:

Improvements in facility since conversion:

Improvements in services provided:

Comments on staff recruitment since conversion:

Networking activities with members of Mid-South CAH Consortium

8. Benchmarking Participation

Hospital Compare \_\_\_\_ (Review Hospital reports at  
hospitalcompare.hhs.gov prior to visit)

Results?

RPM \_\_\_\_

Results?

JCAHO Continuous Survey Readiness \_\_\_\_

Results?

AQAF \_\_\_\_ Specify Program:

Results?

Blue Cross Blue Shield Tier System \_\_\_\_ Tier Level \_\_\_\_

Results?

Other?

9. Technical Assistance Needs:

10. Best Practices Identified:

11. Other Issues identified

## **Members of Alabama’s Flex Grant Oversight Committee**

The following members of the Flex Grant Oversight Committee have been unselfish in sharing their time and guidance in maximizing the benefits of Flex program participation to Alabama’s rural healthcare hospitals and its rural residents.

**Clyde Barganier, Past Director, Office of Primary Care and Rural Health Development, Alabama Department of Public Health**

**Harold “Brownie” Brown, Flex Program Representative, Office of Primary Care and Rural Health Development, Alabama Department of Public Health**

**Barry S. Cochran, Administrator, Fayette Medical Center, Fayette, Alabama**

**Russell Crowley, Deputy Director, EMS and Trauma, Alabama Department of Public Health**

**Allen Foster, Administrator, Mizell Memorial Hospital, Opp, Alabama**

**Michael Jones, Director, Contracts – Communications, Alabama Quality Assurance Association**

**Linda U. Jordan, Administrator, Clay County Hospital, Ashland, Alabama**

**Jane Knight, Vice-president of Member Relations, Alabama Hospital Association**

**Charles S. Lail, Director, Office of Primary Care and Rural Health Development, Alabama Department of Public Health**

**Lothar E. (Jim) Peace, III, Administrator, Russell Hospital, Alexander City, Alabama**

**Ellen Stone, Executive Director, Alabama Family Practice Rural Health Board**

**Douglas Tanner, Administrator, Washington County Hospital, Chatom, Alabama**

# APPENDICES

The next section of the revised rural health plan includes three appendices addressing health status indicators. These health status indicators have been presented in several ways including urban and rural categories, by county specific categories, by regional classifications such as ARC and Delta Regions and by leading causes of death in Alabama. These classifications were made to accommodate the diverse needs of Flex hospitals.

# **APPENDIX A:**

## **Selected Indicators of Health Status in Alabama, Alabama's Rural Counties, Alabama's Urban Counties, and the United States**

**October 2007**



**SELECTED HEALTH STATUS INDICATORS  
United States, Alabama, Rural Alabama Counties, and Urban Alabama Counties**

| Indicators                                       | United States              |               | Alabama                |               | Rural Counties         |               | Urban Counties         |               |
|--|----------------------------|---------------|------------------------|---------------|------------------------|---------------|------------------------|---------------|
|  | Number                     | Pct. of Total | Number                 | Pct. of Total | Number                 | Pct. of Total | Number                 | Pct. of Total |
| <b>2006 Population</b>                           |                            |               |                        |               |                        |               |                        |               |
| Total  | 299,398,484                | 100.0         | 4,599,030              | 100.0         | 2,020,120              | 100.0         | 2,578,910              | 100.0         |
| African American (alone)                         | 38,342,549                 | 12.8          | 1,211,583              | 26.3          | 427,128                | 21.1          | 784,455                | 30.4          |
| White (alone)                                    | 239,746,254                | 80.1          | 3,276,561              | 71.2          | 1,552,622              | 76.9          | 1,723,939              | 66.8          |
| American Indian (alone)                          | 2,902,851                  | 1.0           | 23,799                 | 0.5           | 13,064                 | 0.6           | 10,735                 | 0.4           |
| Asian (alone)                                    | 13,159,343                 | 4.4           | 41,881                 | 0.9           | 7,612                  | 0.4           | 34,269                 | 1.3           |
| Hispanic   | 44,321,038                 | 14.8          | 113,890                | 2.5           | 54,944                 | 2.7           | 58,946                 | 2.3           |
| Age 19 Years or Less                             | 82,079,106                 | 27.4          | 1,240,643              | 27.0          | 532,043                | 26.3          | 708,600                | 27.5          |
| Age 65 Years or More                             | 37,260,352                 | 12.4          | 615,597                | 13.4          | 292,694                | 14.5          | 322,903                | 12.5          |
| Age 85 Years or More                             | 5,296,817                  | 1.8           | 79,530                 | 1.7           | 37,909                 | 1.9           | 41,621                 | 1.6           |
| <b>Population Change</b>                         |                            |               |                        |               |                        |               |                        |               |
| 1910 - 2000                                      | 91,972,266 to 281,421,906  | 206.0         | 2,138,093 to 4,447,100 | 108.0         | 1,418,814 to 1,958,215 | 38.0          | 719,279 to 2,488,885   | 246.0         |
| 2000 - 2025 Projected                            | 281,421,906 to 349,695,000 | 24.3          | 4,447,100 to 5,385,997 | 21.1          | 1,958,215 to 2,441,629 | 24.7          | 2,488,885 to 2,944,868 | 18.3          |
| Age 65+: 2000 - 2025 Projected                   | 34,991,753 to 63,042,500   | 80.2          | 579,907 to 999,769     | 72.4          | 273,757 to 491,636     | 79.6          | 306,150 to 508,133     | 66.0          |
| Hispanic: 1990 - 2006 Estimated                  | 22,354,059 to 44,321,038   | 98.3          | 24,629 to 113,890      | 362.4         | 9,113 to 54,944        | 502.9         | 15,516 to 58,946       | 279.9         |
| <b>Income Related Indicators</b>                 |                            |               |                        |               |                        |               |                        |               |
| Population Below Poverty Level - 2004            | 37,039,804                 | 12.7%         | 727,308                | 16.1%         | 331,089                | 16.7%         | 397,803                | 15.7%         |
| Children Under 18 Below Poverty Level - 2004     | 13,041,492                 | 17.8%         | 245,017                | 22.6%         | 110,845                | 23.5%         | 134,170                | 21.9%         |
| Per Capita Personal Income - 2005                | N.A.                       | \$34,471      | N.A.                   | \$29,623      | N.A.                   | \$25,589      | N.A.                   | \$32,790      |
| Medicaid Eligible Population - 2006              | N.A.                       | N.A.          | 988,677                | 21.1%         | 484,384                | 23.3%         | 503,822                | 19.4%         |
| Medicaid Eligible Children (Under 21) - 2006     | N.A.                       | N.A.          | 520,256                | 38.9%         | 251,712                | 42.4%         | 268,078                | 35.2%         |
| Medicaid Births - 2006                           | N.A.                       | N.A.          | 30,114                 | 49.3%         | 13,690                 | 54.7%         | 16,424                 | 45.5%         |
| <b>Access to Health Care Indicators</b>          |                            |               |                        |               |                        |               |                        |               |
| Primary Care Physicians - 2006 (Per 10,000 Pop.) | 209,550                    | 7.2           | 3,044                  | 6.5           | 964                    | 4.6           | 2,080                  | 8.0           |
| Dentists - 2003 (Per 10,000 Pop.)                | 86,110                     | 2.9 (2006)    | 1,557                  | 3.5           | 487                    | 2.5           | 1,070                  | 4.2           |
| Psychiatrists - 2006 (Per 10,000 Pop.)           | 24,730                     | 0.9           | 298                    | 0.6           | 31                     | 0.1           | 267                    | 1.0           |
| Hospital Beds (Per 10,000 Pop.)                  | N.A.                       | N.A.          | 16,917                 | 36.1          | 5,061                  | 24.3          | 11,856                 | 45.6          |
| Households With No Vehicle - 2000                | 10,861,067                 | 10.3%         | 143,594                | 8.3%          | 64,550                 | 8.5%          | 79,044                 | 8.1%          |
| Uninsured Population - 2003                      | 39,803,527                 | 14.2% (2001)  | 504,539                | 11.2%         | 237,946                | 12.0%         | 266,593                | 10.6%         |

**SELECTED HEALTH STATUS INDICATORS  
United States, Alabama, Rural Alabama Counties, and Urban Alabama Counties**

| Indicators  | United States  |                          | Alabama |                     | Rural Counties |                     | Urban Counties |                     |
|---|----------------|--------------------------|---------|---------------------|----------------|---------------------|----------------|---------------------|
|   | 2004<br>Number | 2004 Rate Per<br>100,000 | Number  | Rate Per<br>100,000 | Number         | Rate Per<br>100,000 | Number         | Rate Per<br>100,000 |
| <b>Cause of Death<br/>2003-2005</b>                     |                |                          |         |                     |                |                     |                |                     |
| <b>All Causes</b>                                       | 2,397,615      | 816.5                    | 139,414 | 1,028.7             | 66,134         | 1,109.7             | 73,280         | 965.2               |
| Septicemia  | 33,373         | 11.4                     | 2,451   | 18.1                | 1,109          | 18.6                | 1,342          | 17.7                |
| <b>Cancer</b>   | 553,888        | 188.6                    | 29,389  | 216.9               | 13,759         | 230.9               | 15,630         | 205.9               |
| Colon, Rectum, and Anus                                 | 53,772         | 18.3                     | 2,696   | 19.9                | 1,279          | 21.5                | 1,417          | 18.7                |
| Trachea, Bronchus, and Lung                             | 158,091        | 53.8                     | 9,286   | 68.5                | 4,486          | 75.3                | 4,800          | 63.2                |
| Breast (female)   | 40,954         | 27.5                     | 2,072   | 29.4                | 920            | 30.0                | 1,152          | 29.0                |
| Cervix Uteri (female)                                   | 3,850          | 2.6                      | 241     | 3.4                 | 119            | 3.9                 | 122            | 3.1                 |
| Ovary (female)  | 14,716         | 9.9                      | 786     | 11.2                | 369            | 12.0                | 417            | 10.5                |
| Prostate (male)   | 29,004         | 20.1                     | 1,609   | 24.3                | 736            | 25.0                | 873            | 23.7                |
| Meninges, Brain, Other<br>Central Nervous System        | 12,829         | 4.4                      | 611     | 4.5                 | 291            | 4.9                 | 320            | 4.2                 |
| <b>Alzheimer's Disease</b>                              | 65,965         | 22.5                     | 4,145   | 30.6                | 1,982          | 33.3                | 2,163          | 28.5                |
| <b>Diabetes Mellitus</b>                                | 73,138         | 24.9                     | 4,273   | 31.5                | 1,881          | 31.6                | 2,392          | 31.5                |
| <b>Heart Diseases</b>                                   | 675,562        | 230.1                    | 38,683  | 285.4               | 19,704         | 330.6               | 18,979         | 250.0               |
| Ischemic Heart Diseases                                 | 451,326        | 153.7                    | 18,789  | 138.6               | 9,374          | 157.3               | 9,415          | 124.0               |
| Heart Failure   | 57,120         | 19.5                     | 6,606   | 48.7                | 3,747          | 62.9                | 2,859          | 37.7                |
| <b>Cerebrovascular Diseases<br/>(Stroke)</b>            | 150,074        | 51.1                     | 8,934   | 65.9                | 4,168          | 69.9                | 4,766          | 62.8                |
| Pneumonia   | 58,564         | 19.9                     | 3,111   | 23.0                | 1,466          | 24.6                | 1,645          | 21.7                |
| <b>Chronic Lower Respiratory<br/>Dis.</b>               | 121,987        | 41.5                     | 7,156   | 52.8                | 3,539          | 59.4                | 3,617          | 47.6                |
| <b>Chronic Liver Disease and<br/>Cirrhosis</b>          | 27,013         | 9.2                      | 1,378   | 10.2                | 611            | 10.3                | 767            | 10.1                |
| <b>Nephritis, Nephrotic<br/>Syndrome, and Nephrosis</b> | 42,480         | 14.5                     | 3,132   | 23.1                | 1,463          | 24.5                | 1,669          | 22.0                |
| <b>Accidents</b>  | 112,012        | 38.1                     | 6,931   | 51.1                | 3,546          | 59.5                | 3,385          | 44.6                |
| Motor Vehicle Accidents                                 | 44,933         | 15.3                     | 3,480   | 25.7                | 1,909          | 32.0                | 1,571          | 20.7                |
| Drowning and Submersion                                 | 3,308          | 1.1                      | 187     | 1.4                 | 96             | 1.6                 | 91             | 1.2                 |
| Smoke, Fire, and<br>Flames                              | 3,229          | 1.1                      | 322     | 2.4                 | 174            | 2.9                 | 148            | 1.9                 |
| Poisoning and Exposure to<br>Noxious Substances         | 20,950         | 7.1                      | 646     | 4.8                 | 262            | 4.4                 | 348            | 5.1                 |
| <b>Homicide</b>   | 17,357         | 5.9                      | 1,233   | 9.1                 | 422            | 7.1                 | 811            | 10.7                |
| <b>Suicide</b>  | 32,439         | 11.0                     | 1,586   | 11.7                | 719            | 12.1                | 867            | 11.4                |

**SELECTED HEALTH STATUS INDICATORS  
United States, Alabama, Rural Alabama Counties, and Urban Alabama Counties**

| Indicators   | United States  |                | Alabama   |            | Rural Counties |            | Urban Counties |            |
|--|----------------|----------------|-----------|------------|----------------|------------|----------------|------------|
|  | Number         | Measure        | Number    | Measure    | Number         | Measure    | Number         | Measure    |
| <b>Natality Related</b>  |                |                |           |            |                |            |                |            |
| 2004-2006 Infant Mortality Rate (per 1,000 Live Births)  | 28,534 (2005)  | 6.9            | 1,646     | 9.0        | 682            | 8.9        | 964            | 9.1        |
| Low Weight Births - 2006 (Percent of All Births)   | 331,772 (2004) | 8.1%           | 6,616     | 10.5%      | 2,561          | 9.7%       | 4,055          | 11.1%      |
| Births to Teens (10-19) - 2006 (Percent of All Births)   | 422,043 (2004) | 10.3%          | 8,670     | 13.8%      | 4,011          | 15.2%      | 4,659          | 12.8%      |
| Births With Less Than Adequate Prenatal Care - 2006 (Percent of All Births)  | Not Available  | Not Available  | 14,390    | 23.1%      | 6,607          | 25.2%      | 7,783          | 21.5%      |
| Tobacco Use During Pregnancy - 2006 (Percent of All Births)  | 419,429        | 10.2%          | 7,394     | 11.8%      | 3,902          | 14.8%      | 3,492          | 9.6%       |
| Births Occurring Outside of the Mother's County of Residence - 2006 (Percent of All Births)                                  | Not Available  | Not Available  | 20,002    | 31.8%      | 15,987         | 60.5%      | 4,015          | 11.0%      |
| Births to Under-Educated Women - 2006 (Percent of All Births)  | Not Available  | Not Available  | 11,648    | 18.6%      | 5,710          | 21.7%      | 5,938          | 16.3%      |
| <b>Other Indicators</b>  |                |                |           |            |                |            |                |            |
| Age 65+ With "Go Outside" Disability - 2000  | 6,795,517      | 19.4%          | 139,401   | 24.0%      | 68,529         | 25.0%      | 70,872         | 23.1%      |
| Age 25+ With Less Than High School Education - 2000  | 35,715,625     | 19.6%          | 714,081   | 24.7%      | 391,305        | 30.3       | 322,776        | 20.2%      |
| Receiving Medicare Disability - 2003 (Percent of Total Population)   | 6,079,424      | 2.2%           | 150,573   | 3.3%       | 75,499         | 3.8%       | 75,022         | 3.0%       |
| Obese - 2003 (Percent of Total Population)   | Not Comparable | Not Comparable | 1,073,329 | 23.9%      | 465,494        | 23.5       | 607,835        | 24.1       |
| Accidental Deaths Occurring Outside of a Health Care Facility: 2003-2005 (Percent of all Accidental Deaths)                  | Not Available  | Not Available  | 3,621     | 52.2%      | 1,974          | 55.7%      | 1,647          | 48.7%      |
| Life Expectancy at Birth - 2005  | --             | 77.9 years     | --        | 74.8 years | --             | 74.4 years | --             | 75.1 years |
| Sexually Transmitted Disease Cases Reported in 2006 (Per 10,000 Population)  | 1,349,333      | 45.9           | 33,463    | 73.6       | 10,958         | 52.6       | 22,505         | 86.6       |
| Cumulative HIV Cases as of December 31, 2006 (Per 10,000 Population)   | Not Comparable | Not Comparable | 14,737    | 32.4       | 3,755          | 18.0       | 10,949         | 42.1       |
| Families Being Counseled for Drug Issues by the Alabama Department of Mental Health During FY 2004 (Percent of All Families) | Not Available  | Not Available  | 20,881    | 1.7%       | 7,750          | 1.4%       | 13,131         | 2.0%       |

## Sources of Information and Special Notes

**2006 Population:** U.S. Census Bureau, County Population Estimates – characteristics; County Population by Age, Sex, Race, and Hispanic Origin: April 1, 2000 through July 1, 2006. <http://www.census.gov/popest/counties/asrh/CC-EST2006-alldata.html>

**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](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](http://cber.cba.ua.edu/edata/est_prj.html)

**Hispanic Population Change 1990-2006:** U.S. Census Bureau, American FactFinder, Census 1990 Summary File 1 (STF 1) 100-Percent Data for 1990 data. Alabama State Data Center, Estimates of the Hispanic Population by County, 2006. [http://cber.cba.ua.edu/edata/est\\_prj.html](http://cber.cba.ua.edu/edata/est_prj.html)

**Population Below Poverty Level - 2004:** U.S. Census Bureau, Small Area Income and Poverty Estimates, <http://www.census.gov/hhes/www/saipe/saipe.html>

**Children Under 18 Below Poverty Level - 2004:** U.S. Census Bureau, Small Area Income and Poverty Estimates, <http://www.census.gov/hhes/www/saipe/saipe.html>

**2005 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&section=2>

**Medicaid Eligible Population - 2006:** Alabama Medicaid Agency, Alabama Medicaid Statistics by County – 2006. [http://www.medicaid.alabama.gov/resources/stats\\_reports.aspx?tab=5](http://www.medicaid.alabama.gov/resources/stats_reports.aspx?tab=5)

**Medicaid Eligible Children (Under 21) - 2006:** Alabama Medicaid Agency, Alabama Medicaid Statistics by County – 2006. [http://www.medicaid.alabama.gov/resources/stats\\_reports.aspx?tab=5](http://www.medicaid.alabama.gov/resources/stats_reports.aspx?tab=5)

**Medicaid Births - 2006:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 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 2003:** Board of Dental Examiners of Alabama, Licensed dentists data base - 2003.

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

**Hospital Beds in 2007:** Alabama Department of Public Health, Division of Provider Services, Healthcare Facilities Directory – Hospital Section. October 4, 2007. [http://ph.state.al.us/facilitiesdirectory/\(S\(ikg10gmp4ih5550hmu4t45\)\)/Default.aspx](http://ph.state.al.us/facilitiesdirectory/(S(ikg10gmp4ih5550hmu4t45))/Default.aspx)

**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 - 2003:** State Health Access Data Assistance Center, Alabama County Chartbook: County-Level Estimates of Uninsurance July 2005. (Prepared for the Alabama Department of Public Health, Children's Health Insurance Program)

**Cause of Death Indicators:** Alabama Department of Public Health, Center for Health Statistics, Special queries of the 2003, 2004, and 2005 Mortality Statistics Files for Alabama data. Centers for Disease Control and Prevention, CDC Wonder Interactive Program, Mortality – Underlying Cause of Death 2004 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 - 2006:** 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) - 2006:** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2006 Birth Statistics File.

**Births With Less Than Adequate Prenatal Care - 2006:** 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 - 2006:** 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 - 2006:** 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 - 2006:** 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 - 2003:** Centers for Medicare and Medicaid Services, Medicare County Enrollment, As of July 1, 2003. <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 - (2003-2005):** Alabama Department of Public Health, Center for Health Statistics, Special query of the 2003, 2004, and 2005 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 - 2005:** Alabama Department of Public Health, Center for Health Statistics, County Health Profiles – 2005. <http://www.adph.org/healthstats/Default.asp?id=1521>

**Sexually Transmitted Disease Cases - 2006:** Alabama Department of Public Health, Division of STD Prevention and Control, Statistics, County Totals – 2006. <http://www.adph.org/STD/Default.asp?id=1080>

**Cumulative HIV Cases as of 12/31/2006:** Alabama Department of Public Health, Division of HIV/AIDS Prevention and Control, Statistics, Public Health Area (January – December 2006). <http://www.adph.org/aids/Default.asp?id=984>

(National data for the cumulative number of HIV cases as of December 31, 2006 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](http://www.mh.alabama.gov/downloads/AnnualReports/ADMH_AnnualReport_03_04Part3.pdf)

**PERMISSION IS GRANTED TO DUPLICATE OR OTHERWISE USE ALL OR ANY PORTION OF THIS REPORT**

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) 281-3866.

**APPENDIX B:**

**Selected Health Status Indicators -  
County Specific Data**

**October 2007**

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| Dentists in 2003   | 7           |
| Psychiatrists in 2006  | 7           |
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| Households With No Vehicle in 2000   | 8           |
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| Cervix Uteri Cancer Mortality (Females 2003-2005)                          | 11          |
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|  |           |
|--|-----------|
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## Counties in Various Regions or Classifications of Alabama

**North Alabama Action Commission** includes Colbert, Cullman, DeKalb, Franklin, Jackson, Lauderdale, Lawrence, Limestone, Madison, Marion, Marshall, Morgan, and Winston.

**West Alabama Action Commission** includes Bibb, Fayette, Greene, Hale, Lamar, Pickens, and Tuscaloosa.

**Central Alabama Action Commission** includes Blount, Chilton, Jefferson, St. Clair, Shelby, and Walker.

**East Alabama Action Commission** includes Calhoun, Chambers, Cherokee, Clay, Cleburne, Coosa, Etowah, Randolph, Talladega, and Tallapoosa.

**South Central Alabama Action Commission** includes Autauga, Bullock, Butler, Crenshaw, Elmore, Lee, Lowndes, Macon, Montgomery, Pike, and Russell.

**Tombigbee Action Commission** includes Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox.

**Wiregrass Action Commission** includes Barbour, Coffee, Covington, Dale, Geneva, Henry, and Houston.

**Southwest Alabama Action Commission** includes Baldwin, Escambia, and Mobile.

**Black Belt Action Commission** includes Bullock, Choctaw, Dallas, Greene, Hale, Lowndes, Macon, Marengo, Perry, Pickens, Sumter, and Wilcox counties.

**Rural Counties** include Autauga, Baldwin, Barbour, Bibb, Blount, Bullock, Butler, Chambers, Cherokee, Chilton, Choctaw, Clarke, Clay, Cleburne, Coffee, Colbert, Conecuh, Coosa, Covington, Crenshaw, Cullman, Dale, Dallas, DeKalb, Elmore, Escambia, Fayette, Franklin, Geneva, Greene, Hale, Henry, Jackson, Lamar, Lawrence, Limestone, Lowndes, Macon, Marengo, Marion, Marshall, Monroe, Perry, Pickens, Pike, Randolph, Russell, St. Clair, Sumter, Talladega, Tallapoosa, Walker, Washington, Wilcox, and Winston.

**Highly Rural Counties** include Barbour, Bibb, Blount, Bullock, Butler, Cherokee, Choctaw, Clarke, Clay, Cleburne, Coffee, Conecuh, Coosa, Covington, Crenshaw, Cullman, Dallas, DeKalb, Escambia, Fayette, Franklin, Geneva, Greene, Hale, Henry, Jackson, Lamar, Lawrence, Lowndes, Macon, Marengo, Marion, Marshall, Monroe, Perry, Pickens, Pike, Randolph, Sumter, Washington, Wilcox, and Winston.

**Moderately Rural Counties** include Autauga, Baldwin, Chambers, Chilton, Colbert, Dale, Elmore, Limestone, Russell, St. Clair, Talladega, Tallapoosa and Walker.

**Rural North Counties** include Bibb, Blount, Chambers, Cherokee, Chilton, Clay, Cleburne, Colbert, Coosa, Cullman, DeKalb, Elmore, Fayette, Franklin, Hale, Jackson, Lamar, Lawrence, Limestone, Macon, Marion, Marshall, Pickens, Randolph, St. Clair, Talladega, Tallapoosa, Walker, and Winston.

**Rural South Counties** include Autauga, Baldwin, Barbour, Bullock, Butler, Choctaw, Clarke, Coffee, Conecuh, Covington, Crenshaw, Dale, Dallas, Escambia, Geneva, Greene, Henry, Lowndes, Marengo, Monroe, Perry, Pike, Russell, Sumter, Washington, and Wilcox.

**Urban Counties** include Calhoun, Etowah, Houston, Jefferson, Lauderdale, Lee, Madison, Mobile, Montgomery, Morgan, Shelby, and Tuscaloosa.

**Appalachian Region** includes Bibb, Blount, Calhoun, Chambers, Cherokee, Chilton, Clay, Cleburne, Colbert, Coosa, Cullman, DeKalb, Elmore, Etowah, Fayette, Franklin, Hale, Jackson, Jefferson, Lamar, Lauderdale, Lawrence, Limestone, Macon, Madison, Marion, Marshall, Morgan, Pickens, Randolph, St. Clair, Shelby, Talladega, Tallapoosa, Tuscaloosa, Walker, and Winston counties.

**Delta Region** includes Barbour, Bullock, Butler, Choctaw, Clarke, Conecuh, Dallas, Escambia, Greene, Hale, Lowndes, Macon, Marengo, Monroe, Perry, Pickens, Russell, Sumter, Washington, and Wilcox counties.

**Data for Counties**

| <b>County</b> | <b>2006 Total Population</b> | <b>2006 African Am. (alone) Pop.</b> | <b>2006 White (alone) Pop.</b> | <b>2006 Am. Indian (alone) Pop.</b> |
|---------------|------------------------------|--------------------------------------|--------------------------------|-------------------------------------|
| Alabama       | 4,599,030                    | 1,211,583                            | 3,276,561                      | 23,799                              |
| Autauga       | 49,730                       | 8,614                                | 40,105                         | 219                                 |
| Baldwin       | 169,162                      | 16,470                               | 149,531                        | 833                                 |
| Barbour       | 28,171                       | 13,125                               | 14,632                         | 127                                 |
| Bibb          | 21,482                       | 4,746                                | 16,523                         | 66                                  |
| Blount        | 56,436                       | 898                                  | 54,658                         | 308                                 |
| Bullock       | 10,906                       | 7,700                                | 3,071                          | 44                                  |
| Butler        | 20,520                       | 8,577                                | 11,731                         | 47                                  |
| Calhoun       | 112,903                      | 22,314                               | 88,182                         | 469                                 |
| Chambers      | 35,176                       | 13,388                               | 21,422                         | 56                                  |
| Cherokee      | 24,863                       | 1,363                                | 23,142                         | 104                                 |
| Chilton       | 41,953                       | 4,452                                | 36,961                         | 122                                 |
| Choctaw       | 14,656                       | 6,474                                | 8,075                          | 27                                  |
| Clarke        | 27,248                       | 11,848                               | 15,151                         | 70                                  |
| Clay          | 13,829                       | 2,066                                | 11,554                         | 59                                  |
| Cleburne      | 14,700                       | 640                                  | 13,879                         | 53                                  |
| Coffee        | 46,027                       | 8,618                                | 35,670                         | 417                                 |
| Colbert       | 54,766                       | 9,086                                | 44,756                         | 209                                 |
| Conecuh       | 13,403                       | 5,887                                | 7,383                          | 32                                  |
| Coosa         | 11,044                       | 3,480                                | 7,449                          | 40                                  |
| Covington     | 37,234                       | 4,763                                | 31,882                         | 224                                 |
| Crenshaw      | 13,719                       | 3,439                                | 10,089                         | 60                                  |
| Cullman       | 80,187                       | 979                                  | 77,912                         | 374                                 |
| Dale          | 48,392                       | 10,322                               | 36,096                         | 277                                 |
| Dallas        | 43,945                       | 29,433                               | 14,045                         | 55                                  |
| DeKalb        | 68,014                       | 1,201                                | 65,221                         | 552                                 |
| Elmore        | 75,688                       | 15,803                               | 58,270                         | 325                                 |
| Escambia      | 37,849                       | 11,852                               | 24,266                         | 1,162                               |
| Etowah        | 103,362                      | 14,994                               | 86,557                         | 364                                 |
| Fayette       | 18,005                       | 2,164                                | 15,657                         | 39                                  |
| Franklin      | 30,847                       | 1,326                                | 29,031                         | 127                                 |
| Geneva        | 25,868                       | 2,768                                | 22,671                         | 198                                 |
| Greene        | 9,374                        | 7,432                                | 1,888                          | 12                                  |
| Hale          | 18,236                       | 10,709                               | 7,382                          | 34                                  |
| Henry         | 16,706                       | 5,194                                | 11,328                         | 42                                  |
| Houston       | 95,660                       | 24,690                               | 69,072                         | 353                                 |
| Jackson       | 53,745                       | 2,003                                | 49,604                         | 939                                 |
| Jefferson     | 656,700                      | 271,121                              | 370,406                        | 1,872                               |
| Lamar         | 14,548                       | 1,707                                | 12,727                         | 26                                  |
| Lauderdale    | 87,891                       | 8,650                                | 77,860                         | 249                                 |
| Lawrence      | 34,312                       | 4,041                                | 27,328                         | 1,734                               |
| Lee           | 125,781                      | 29,423                               | 92,674                         | 327                                 |
| Limestone     | 72,446                       | 9,528                                | 61,450                         | 368                                 |
| Lowndes       | 12,759                       | 9,055                                | 3,614                          | 16                                  |
| Macon         | 22,594                       | 18,641                               | 3,489                          | 39                                  |
| Madison       | 304,307                      | 71,658                               | 218,924                        | 2,105                               |
| Marengo       | 21,842                       | 11,360                               | 10,268                         | 24                                  |
| Marion        | 30,165                       | 1,201                                | 28,546                         | 111                                 |
| Marshall      | 87,185                       | 1,485                                | 83,892                         | 477                                 |
| Mobile        | 404,157                      | 139,533                              | 251,026                        | 2,623                               |
| Monroe        | 23,342                       | 9,540                                | 13,311                         | 241                                 |
| Montgomery    | 223,571                      | 118,904                              | 99,030                         | 567                                 |
| Morgan        | 115,237                      | 13,829                               | 98,525                         | 822                                 |
| Perry         | 11,186                       | 7,700                                | 3,392                          | 10                                  |
| Pickens       | 20,133                       | 8,420                                | 11,517                         | 26                                  |
| Pike          | 29,620                       | 10,949                               | 17,740                         | 210                                 |
| Randolph      | 22,673                       | 4,916                                | 17,475                         | 53                                  |
| Russell       | 50,085                       | 20,946                               | 28,036                         | 203                                 |
| St. Clair     | 75,232                       | 6,343                                | 67,663                         | 280                                 |
| Shelby        | 178,182                      | 17,293                               | 156,428                        | 559                                 |
| Sumter        | 13,606                       | 10,051                               | 3,452                          | 18                                  |
| Talladega     | 80,271                       | 25,145                               | 53,979                         | 216                                 |
| Tallapoosa    | 41,010                       | 10,642                               | 29,904                         | 114                                 |
| Tuscaloosa    | 171,159                      | 52,046                               | 115,255                        | 425                                 |
| Walker        | 70,034                       | 4,583                                | 64,532                         | 231                                 |
| Washington    | 17,651                       | 4,620                                | 11,572                         | 1,267                               |
| Wilcox        | 12,911                       | 9,276                                | 3,579                          | 17                                  |
| Winston       | 24,634                       | 159                                  | 24,121                         | 130                                 |

**Data for Counties**

| <b>County</b> | <b>2006 Asian (alone) Pop.</b> | <b>2006 Hispanic Pop.</b> | <b>2006 Pop. Under Age 20</b> | <b>2006 Age 65+ Pop.</b> |
|---------------|--------------------------------|---------------------------|-------------------------------|--------------------------|
| Alabama       | 41,881                         | 113,890                   | 1,240,643                     | 615,597                  |
| Autauga       | 281                            | 827                       | 14,163                        | 5,338                    |
| Baldwin       | 687                            | 4,176                     | 41,734                        | 27,770                   |
| Barbour       | 88                             | 953                       | 7,355                         | 3,662                    |
| Bibb          | 25                             | 304                       | 5,590                         | 2,700                    |
| Blount        | 136                            | 3,752                     | 14,599                        | 7,666                    |
| Bullock       | 23                             | 752                       | 2,890                         | 1,296                    |
| Butler        | 83                             | 171                       | 5,536                         | 3,248                    |
| Calhoun       | 828                            | 2,399                     | 29,323                        | 16,432                   |
| Chambers      | 82                             | 432                       | 9,263                         | 5,601                    |
| Cherokee      | 63                             | 273                       | 5,749                         | 4,279                    |
| Chilton       | 149                            | 1,608                     | 11,086                        | 5,311                    |
| Choctaw       | 13                             | 122                       | 3,814                         | 2,394                    |
| Clarke        | 55                             | 195                       | 7,759                         | 3,952                    |
| Clay          | 14                             | 296                       | 3,268                         | 2,455                    |
| Cleburne      | 25                             | 298                       | 3,671                         | 2,138                    |
| Coffee        | 535                            | 1,568                     | 11,995                        | 6,666                    |
| Colbert       | 186                            | 783                       | 13,467                        | 8,863                    |
| Conecuh       | 17                             | 129                       | 3,527                         | 2,167                    |
| Coosa         | 7                              | 163                       | 2,674                         | 1,793                    |
| Covington     | 107                            | 366                       | 9,227                         | 6,772                    |
| Crenshaw      | 16                             | 111                       | 3,499                         | 2,273                    |
| Cullman       | 230                            | 2,748                     | 20,320                        | 12,094                   |
| Dale          | 590                            | 1,580                     | 14,393                        | 6,270                    |
| Dallas        | 173                            | 276                       | 13,395                        | 6,228                    |
| DeKalb        | 156                            | 6,460                     | 18,194                        | 9,525                    |
| Elmore        | 390                            | 1,240                     | 20,101                        | 8,368                    |
| Escambia      | 113                            | 419                       | 9,812                         | 5,372                    |
| Etowah        | 524                            | 2,674                     | 26,259                        | 16,303                   |
| Fayette       | 60                             | 171                       | 4,449                         | 3,003                    |
| Franklin      | 92                             | 3,527                     | 8,111                         | 4,745                    |
| Geneva        | 48                             | 529                       | 6,358                         | 4,337                    |
| Greene        | 14                             | 60                        | 2,745                         | 1,436                    |
| Hale          | 27                             | 176                       | 5,134                         | 2,352                    |
| Henry         | 12                             | 363                       | 4,132                         | 2,700                    |
| Houston       | 699                            | 1,488                     | 25,899                        | 13,740                   |
| Jackson       | 147                            | 866                       | 13,421                        | 8,050                    |
| Jefferson     | 7,853                          | 17,337                    | 177,329                       | 88,032                   |
| Lamar         | 10                             | 198                       | 3,483                         | 2,520                    |
| Lauderdale    | 420                            | 1,135                     | 21,388                        | 14,274                   |
| Lawrence      | 74                             | 512                       | 8,907                         | 4,480                    |
| Lee           | 2,210                          | 2,238                     | 35,780                        | 10,900                   |
| Limestone     | 401                            | 2,589                     | 18,559                        | 8,567                    |
| Lowndes       | 17                             | 119                       | 3,790                         | 1,715                    |
| Macon         | 235                            | 211                       | 6,604                         | 3,378                    |
| Madison       | 6,587                          | 7,371                     | 82,276                        | 37,031                   |
| Marengo       | 50                             | 387                       | 6,412                         | 3,147                    |
| Marion        | 71                             | 475                       | 7,107                         | 5,212                    |
| Marshall      | 388                            | 8,100                     | 23,851                        | 12,242                   |
| Mobile        | 6,883                          | 6,067                     | 118,035                       | 49,502                   |
| Monroe        | 70                             | 190                       | 6,752                         | 3,291                    |
| Montgomery    | 2,941                          | 3,429                     | 65,785                        | 26,543                   |
| Morgan        | 750                            | 5,842                     | 30,312                        | 15,474                   |
| Perry         | 7                              | 111                       | 3,750                         | 1,681                    |
| Pickens       | 23                             | 172                       | 5,649                         | 3,299                    |
| Pike          | 322                            | 496                       | 8,119                         | 3,802                    |
| Randolph      | 68                             | 354                       | 6,045                         | 3,709                    |
| Russell       | 345                            | 1,067                     | 14,079                        | 6,917                    |
| St. Clair     | 220                            | 1,054                     | 19,152                        | 9,121                    |
| Shelby        | 2,524                          | 5,934                     | 49,646                        | 15,589                   |
| Sumter        | 17                             | 162                       | 4,051                         | 2,052                    |
| Talladega     | 291                            | 932                       | 21,081                        | 10,924                   |
| Tallapoosa    | 103                            | 397                       | 10,329                        | 6,940                    |
| Tuscaloosa    | 2,050                          | 3,032                     | 46,568                        | 19,083                   |
| Walker        | 185                            | 934                       | 17,637                        | 10,893                   |
| Washington    | 21                             | 172                       | 5,043                         | 2,479                    |
| Wilcox        | 16                             | 107                       | 4,175                         | 1,775                    |
| Winston       | 34                             | 511                       | 6,037                         | 3,726                    |

**Data for Counties**

| <b>County</b> | <b>2006 Age 85+ Pop.</b> | <b>Pop. Change 1910-2000 - Pct.</b> |    |           | <b>Pop. Change 2000-2025 (Projected) - Pct.</b> |           |    |           |        |
|---------------|--------------------------|-------------------------------------|----|-----------|---|-----------|----|-----------|--------|
| Alabama       | 79,530                   | 2,138,093                           | to | 4,447,100 | 108.0%  | 4,447,100 | to | 5,386,497 | 21.1%  |
| Autauga       | 517                      | 20,038                              | to | 43,671    | 117.9%  | 43,671    | to | 68,368    | 56.6%  |
| Baldwin       | 3,426                    | 18,178                              | to | 140,415   | 672.4%  | 140,415   | to | 248,436   | 76.9%  |
| Barbour       | 543                      | 32,728                              | to | 29,038    | -11.3%  | 29,038    | to | 35,246    | 21.4%  |
| Bibb          | 331                      | 22,791                              | to | 20,826    | -8.6%   | 20,826    | to | 30,749    | 47.6%  |
| Blount        | 830                      | 21,456                              | to | 51,024    | 137.8%  | 51,024    | to | 81,713    | 60.1%  |
| Bullock       | 263                      | 30,196                              | to | 11,714    | -61.2%  | 11,714    | to | 12,578    | 7.4%   |
| Butler        | 567                      | 29,030                              | to | 21,399    | -26.3%  | 21,399    | to | 20,447    | -4.4%  |
| Calhoun       | 1,969                    | 39,115                              | to | 112,249   | 187.0%  | 112,249   | to | 112,472   | 0.2%   |
| Chambers      | 924                      | 36,056                              | to | 36,583    | 1.5%  | 36,583    | to | 36,532    | -0.1%  |
| Cherokee      | 482                      | 20,226                              | to | 23,988    | 18.6%   | 23,988    | to | 34,220    | 42.7%  |
| Chilton       | 519                      | 23,187                              | to | 39,593    | 70.8%   | 39,593    | to | 59,022    | 49.1%  |
| Choctaw       | 329                      | 18,483                              | to | 15,922    | -13.9%  | 15,922    | to | 15,568    | -2.2%  |
| Clarke        | 534                      | 30,987                              | to | 27,867    | -10.1%  | 27,867    | to | 29,365    | 5.4%   |
| Clay          | 414                      | 21,006                              | to | 14,254    | -32.1%  | 14,254    | to | 16,553    | 16.1%  |
| Cleburne      | 237                      | 13,385                              | to | 14,123    | 5.5%  | 14,123    | to | 16,920    | 19.8%  |
| Coffee        | 881                      | 26,119                              | to | 43,615    | 67.0%   | 43,615    | to | 50,303    | 15.3%  |
| Colbert       | 1,231                    | 24,802                              | to | 54,984    | 121.7%  | 54,984    | to | 59,484    | 8.2%   |
| Conecuh       | 289                      | 21,433                              | to | 14,089    | -34.3%  | 14,089    | to | 14,101    | 0.1%   |
| Coosa         | 217                      | 16,634                              | to | 12,202    | -26.6%  | 12,202    | to | 13,875    | 13.7%  |
| Covington     | 1,066                    | 32,124                              | to | 37,631    | 17.1%   | 37,631    | to | 38,294    | 1.8%   |
| Crenshaw      | 367                      | 23,313                              | to | 13,665    | -41.4%  | 13,665    | to | 13,714    | 0.4%   |
| Cullman       | 1,500                    | 28,321                              | to | 77,483    | 173.6%  | 77,483    | to | 98,897    | 27.6%  |
| Dale          | 787                      | 21,608                              | to | 49,129    | 127.4%  | 49,129    | to | 52,820    | 7.5%   |
| Dallas        | 788                      | 53,401                              | to | 46,365    | -13.2%  | 46,365    | to | 44,648    | -3.7%  |
| DeKalb        | 1,278                    | 28,261                              | to | 64,452    | 128.1%  | 64,452    | to | 91,301    | 41.7%  |
| Elmore        | 1,049                    | 28,245                              | to | 65,874    | 133.2%  | 65,874    | to | 105,245   | 59.8%  |
| Escambia      | 712                      | 18,889                              | to | 38,440    | 103.5%  | 38,440    | to | 42,660    | 11.0%  |
| Etowah        | 2,234                    | 39,109                              | to | 103,459   | 164.5%  | 103,459   | to | 108,578   | 4.9%   |
| Fayette       | 456                      | 16,248                              | to | 18,495    | 13.8%   | 18,495    | to | 18,752    | 1.4%   |
| Franklin      | 588                      | 19,369                              | to | 31,223    | 61.2%   | 31,223    | to | 38,469    | 23.2%  |
| Geneva        | 592                      | 26,230                              | to | 25,764    | -1.8%   | 25,764    | to | 28,836    | 11.9%  |
| Greene        | 242                      | 22,717                              | to | 9,974     | -56.1%  | 9,974     | to | 9,311     | -6.6%  |
| Hale          | 352                      | 27,883                              | to | 17,185    | -38.4%  | 17,185    | to | 21,215    | 23.5%  |
| Henry         | 410                      | 20,943                              | to | 16,310    | -22.1%  | 16,310    | to | 17,428    | 6.9%   |
| Houston       | 1,898                    | 32,414                              | to | 88,787    | 173.9%  | 88,787    | to | 99,832    | 12.4%  |
| Jackson       | 944                      | 32,918                              | to | 53,926    | 63.8%   | 53,926    | to | 64,516    | 19.6%  |
| Jefferson     | 13,116                   | 226,476                             | to | 662,047   | 192.3%  | 662,047   | to | 701,651   | 6.0%   |
| Lamar         | 339                      | 17,487                              | to | 15,904    | -9.1%   | 15,904    | to | 16,175    | 1.7%   |
| Lauderdale    | 1,910                    | 30,936                              | to | 87,966    | 184.3%  | 87,966    | to | 103,176   | 17.3%  |
| Lawrence      | 457                      | 21,984                              | to | 34,803    | 58.3%   | 34,803    | to | 39,664    | 14.0%  |
| Lee           | 1,292                    | 32,867                              | to | 115,092   | 250.2%  | 115,092   | to | 179,495   | 56.0%  |
| Limestone     | 948                      | 26,880                              | to | 65,676    | 144.3%  | 65,676    | to | 90,865    | 38.4%  |
| Lowndes       | 204                      | 31,894                              | to | 13,473    | -57.8%  | 13,473    | to | 14,708    | 9.2%   |
| Macon         | 521                      | 26,049                              | to | 24,105    | -7.5%   | 24,105    | to | 22,505    | -6.6%  |
| Madison       | 3,648                    | 47,041                              | to | 276,700   | 488.2%  | 276,700   | to | 349,713   | 26.4%  |
| Marengo       | 459                      | 39,923                              | to | 22,539    | -43.5%  | 22,539    | to | 20,848    | -7.5%  |
| Marion        | 779                      | 17,495                              | to | 31,214    | 78.4%   | 31,214    | to | 32,710    | 4.8%   |
| Marshall      | 1,483                    | 28,553                              | to | 82,231    | 188.0%  | 82,231    | to | 111,385   | 35.5%  |
| Mobile        | 6,275                    | 80,854                              | to | 399,843   | 394.5%  | 399,843   | to | 443,553   | 10.9%  |
| Monroe        | 490                      | 27,155                              | to | 24,324    | -10.4%  | 24,324    | to | 24,586    | 1.1%   |
| Montgomery    | 3,810                    | 82,178                              | to | 223,510   | 172.0%  | 223,510   | to | 259,679   | 16.2%  |
| Morgan        | 1,766                    | 33,781                              | to | 111,064   | 228.8%  | 111,064   | to | 131,112   | 18.1%  |
| Perry         | 265                      | 31,222                              | to | 11,861    | -62.0%  | 11,861    | to | 10,872    | -8.3%  |
| Pickens       | 470                      | 25,055                              | to | 20,949    | -16.4%  | 20,949    | to | 21,740    | 3.8%   |
| Pike          | 428                      | 30,815                              | to | 29,605    | -3.9%   | 29,605    | to | 34,967    | 18.1%  |
| Randolph      | 566                      | 24,659                              | to | 22,380    | -9.2%   | 22,380    | to | 28,232    | 26.1%  |
| Russell       | 832                      | 25,937                              | to | 49,756    | 91.8%   | 49,756    | to | 55,198    | 10.9%  |
| St. Clair     | 935                      | 20,715                              | to | 64,724    | 212.4%  | 64,742    | to | 102,121   | 57.7%  |
| Shelby        | 1,403                    | 26,949                              | to | 143,293   | 431.7%  | 143,293   | to | 265,083   | 85.0%  |
| Sumter        | 422                      | 28,699                              | to | 14,798    | -48.4%  | 14,798    | to | 13,051    | -11.8% |
| Talladega     | 1,330                    | 37,921                              | to | 80,321    | 111.8%  | 80,321    | to | 90,021    | 12.1%  |
| Tallapoosa    | 1,013                    | 31,034                              | to | 41,475    | 33.6%   | 41,475    | to | 44,567    | 7.5%   |
| Tuscaloosa    | 2,300                    | 47,559                              | to | 164,875   | 246.7%  | 164,875   | to | 190,524   | 15.6%  |
| Walker        | 1,299                    | 37,013                              | to | 70,713    | 91.0%   | 70,713    | to | 73,970    | 4.6%   |
| Washington    | 276                      | 14,454                              | to | 18,097    | 25.2%   | 18,097    | to | 20,123    | 11.2%  |
| Wilcox        | 298                      | 33,810                              | to | 13,183    | -61.0%  | 13,183    | to | 13,021    | -1.2%  |
| Winston       | 430                      | 12,855                              | to | 24,843    | 93.3%   | 24,843    | to | 30,714    | 23.6%  |

**Data for Counties**

| <b>County</b> | <b>Age 65+ Pop. Change 2000-2025 (Projected) - Pct.</b> |    |         | <b>Hispanic Pop. Change 1990-2006 - Pct.</b> |        |    |         |          |
|---------------|---|----|---------|--|--------|----|---------|----------|
| Alabama       | 579,907   | to | 999,769 | 72.4   | 24,629 | to | 113,890 | 362.4%   |
| Autauga       | 4,451   | to | 11,983  | 169.2  | 230    | to | 827     | 259.6%   |
| Baldwin       | 21,703  | to | 60,687  | 179.6  | 1,022  | to | 4,176   | 308.6%   |
| Barbour       | 3,873   | to | 6,865   | 77.3   | 124    | to | 953     | 668.5%   |
| Bibb          | 2,413   | to | 5,384   | 123.1  | 39     | to | 304     | 679.5%   |
| Blount        | 6,558   | to | 14,311  | 118.2  | 286    | to | 3,752   | 1,211.9% |
| Bullock       | 1,543   | to | 2,485   | 61.0   | 65     | to | 752     | 1,056.9% |
| Butler        | 3,506   | to | 5,122   | 46.1   | 65     | to | 171     | 163.1%   |
| Calhoun       | 15,872  | to | 22,520  | 41.9   | 1,282  | to | 2,399   | 87.1%    |
| Chambers      | 5,928   | to | 8,398   | 41.7   | 127    | to | 432     | 240.2%   |
| Cherokee      | 3,818   | to | 8,736   | 128.8  | 57     | to | 273     | 378.9%   |
| Chilton       | 5,097   | to | 10,785  | 111.6  | 116    | to | 1,608   | 1,286.2% |
| Choctaw       | 2,332   | to | 3,987   | 71.0   | 53     | to | 122     | 130.2%   |
| Clarke        | 3,764   | to | 6,244   | 65.9   | 103    | to | 195     | 89.3%    |
| Clay          | 2,359   | to | 3,857   | 63.5   | 27     | to | 296     | 996.3%   |
| Cleburne      | 1,933   | to | 3,745   | 93.7   | 38     | to | 298     | 684.2%   |
| Coffee        | 6,171   | to | 10,379  | 68.2   | 471    | to | 1,568   | 232.9%   |
| Colbert       | 8,493   | to | 12,468  | 46.8   | 187    | to | 783     | 318.7%   |
| Conecuh       | 2,332   | to | 3,987   | 71.0   | 82     | to | 129     | 57.3%    |
| Coosa         | 1,761   | to | 3,071   | 74.4   | 18     | to | 163     | 805.6%   |
| Covington     | 6,740   | to | 9,099   | 35.0   | 130    | to | 366     | 181.5%   |
| Crenshaw      | 2,338   | to | 3,068   | 31.2   | 30     | to | 111     | 270.0%   |
| Cullman       | 11,342  | to | 19,369  | 70.8   | 272    | to | 2,748   | 910.3%   |
| Dale          | 5,807   | to | 10,796  | 85.9   | 1,,215 | to | 1,580   | 30.0%    |
| Dallas        | 6,428   | to | 8,664   | 34.8   | 131    | to | 276     | 110.7%   |
| DeKalb        | 8,882   | to | 15,267  | 71.9   | 215    | to | 6,460   | 2,904.7% |
| Elmore        | 7,071   | to | 17,435  | 146.6  | 270    | to | 1,240   | 359.3%   |
| Escambia      | 5,236   | to | 8,408   | 60.6   | 169    | to | 419     | 147.9%   |
| Etowah        | 16,560  | to | 21,582  | 30.3   | 331    | to | 2,674   | 707.9%   |
| Fayette       | 2,976   | to | 4,413   | 48.3   | 78     | to | 171     | 119.2%   |
| Franklin      | 4,637   | to | 6,523   | 40.7   | 101    | to | 3,527   | 3,392.1% |
| Geneva        | 4,203   | to | 6,611   | 57.3   | 121    | to | 529     | 337.2%   |
| Greene        | 1,470   | to | 2,233   | 51.9   | 24     | to | 60      | 150.0%   |
| Hale          | 2,316   | to | 3,867   | 67.0   | 57     | to | 176     | 208.8%   |
| Henry         | 2,668   | to | 4,286   | 60.6   | 92     | to | 363     | 294.6%   |
| Houston       | 12,162  | to | 20,321  | 67.1   | 464    | to | 1,488   | 220.7%   |
| Jackson       | 7,210   | to | 12,932  | 79.4   | 208    | to | 866     | 316.3%   |
| Jefferson     | 90,285  | to | 118,741 | 31.5   | 2,745  | to | 17,337  | 531.6%   |
| Lamar         | 2,528   | to | 3,438   | 36.0   | 71     | to | 198     | 178.9%   |
| Lauderdale    | 13,241  | to | 21,219  | 60.3   | 313    | to | 1,135   | 262.6%   |
| Lawrence      | 4,195   | to | 7,840   | 86.9   | 102    | to | 512     | 402.0%   |
| Lee           | 9,337   | to | 22,418  | 140.1  | 552    | to | 2,238   | 305.4%   |
| Limestone     | 7,271   | to | 15,306  | 110.5  | 261    | to | 2,589   | 892.0%   |
| Lowndes       | 1,646   | to | 3,247   | 97.3   | 60     | to | 119     | 98.3%    |
| Macon         | 3,367   | to | 4,754   | 41.2   | 103    | to | 211     | 104.9%   |
| Madison       | 30,015  | to | 62,701  | 108.9  | 2,984  | to | 7,371   | 147.0%   |
| Marengo       | 3,287   | to | 4,421   | 34.5   | 75     | to | 387     | 416.0%   |
| Marion        | 4,934   | to | 7,431   | 50.6   | 65     | to | 475     | 630.8%   |
| Marshall      | 11,717  | to | 19,044  | 62.5   | 289    | to | 8,100   | 2,702.8% |
| Mobile        | 47,919  | to | 74,927  | 56.4   | 3,164  | to | 6,067   | 91.8%    |
| Monroe        | 3,363   | to | 5,207   | 54.8   | 94     | to | 190     | 102.1%   |
| Montgomery    | 26,307  | to | 40,171  | 52.7   | 1,624  | to | 3,429   | 111.1%   |
| Morgan        | 13,708  | to | 23,716  | 73.0   | 584    | to | 5,842   | 900.3%   |
| Perry         | 1,762   | to | 2,031   | 15.3   | 36     | to | 111     | 208.3%   |
| Pickens       | 3,293   | to | 4,372   | 32.8   | 50     | to | 172     | 244.0%   |
| Pike          | 3,727   | to | 6,186   | 66.0   | 108    | to | 496     | 359.3%   |
| Randolph      | 3,564   | to | 5,714   | 60.3   | 53     | to | 354     | 567.9%   |
| Russell       | 6,541   | to | 9,135   | 39.7   | 301    | to | 1,067   | 254.5%   |
| St. Clair     | 7,578   | to | 18,994  | 150.6  | 209    | to | 1,054   | 404.3%   |
| Shelby        | 12,179  | to | 49,316  | 304.9  | 525    | to | 5,934   | 1,030.3% |
| Sumter        | 2,056   | to | 2,634   | 28.1   | 78     | to | 162     | 107.7%   |
| Talladega     | 10,655  | to | 17,908  | 68.1   | 490    | to | 932     | 90.2%    |
| Tallapoosa    | 6,872   | to | 10,416  | 51.6   | 71     | to | 397     | 459.2%   |
| Tuscaloosa    | 18,565  | to | 30,501  | 64.3   | 948    | to | 3,032   | 219.8%   |
| Walker        | 10,453  | to | 15,703  | 50.2   | 224    | to | 934     | 317.0%   |
| Washington    | 2,246   | to | 3,932   | 75.1   | 51     | to | 172     | 237.3%   |
| Wilcox        | 1,810   | to | 2,460   | 35.9   | 40     | to | 107     | 167.5%   |
| Winston       | 3,533   | to | 5,998   | 69.8   | 59     | to | 511     | 766.1%   |

**Data for Counties**

| County     | Pop. Below Poverty - 2004 |      | Children (<18) Below Poverty - 2004 |      | 2005 Per Capita Personal Income |
|------------|---------------------------|------|-------------------------------------|------|---------------------------------|
|            | Number                    | Pct. | Number                              | Pct. |                                 |
| Alabama    | 727,308                   | 16.1 | 245,017                             | 22.6 | \$29,623                        |
| Autauga    | 5,496                     | 11.6 | 2,041                               | 16.3 | \$27,567                        |
| Baldwin    | 15,690                    | 10.0 | 5,415                               | 14.9 | \$30,899                        |
| Barbour    | 6,798                     | 23.9 | 2,024                               | 31.1 | \$23,343                        |
| Bibb       | 3,634                     | 17.1 | 1,211                               | 23.8 | \$21,732                        |
| Blount     | 6,812                     | 12.4 | 2,207                               | 16.9 | \$23,492                        |
| Bullock    | 3,382                     | 30.3 | 910                                 | 35.0 | \$19,262                        |
| Butler     | 4,331                     | 21.0 | 1,502                               | 29.8 | \$24,749                        |
| Calhoun    | 18,907                    | 16.9 | 6,171                               | 24.6 | \$28,156                        |
| Chambers   | 6,102                     | 17.2 | 2,011                               | 24.0 | \$23,562                        |
| Cherokee   | 3,937                     | 16.1 | 1,229                               | 23.8 | \$23,507                        |
| Chilton    | 6,113                     | 14.8 | 2,232                               | 22.4 | \$23,754                        |
| Choctaw    | 3,046                     | 20.2 | 975                                 | 27.9 | \$24,388                        |
| Clarke     | 5,698                     | 20.9 | 2,050                               | 28.8 | \$24,006                        |
| Clay       | 1,951                     | 13.9 | 597                                 | 20.0 | \$24,860                        |
| Cleburne   | 2,129                     | 14.7 | 670                                 | 20.9 | \$23,997                        |
| Coffee     | 6,386                     | 14.2 | 2,237                               | 21.2 | \$30,655                        |
| Colbert    | 8,031                     | 14.7 | 2,471                               | 20.8 | \$25,368                        |
| Conecuh    | 3,086                     | 23.1 | 1,060                               | 33.4 | \$23,481                        |
| Coosa      | 1,580                     | 14.0 | 513                                 | 20.9 | \$23,094                        |
| Covington  | 6,876                     | 18.7 | 2,209                               | 26.9 | \$25,419                        |
| Crenshaw   | 2,534                     | 18.6 | 840                                 | 26.6 | \$28,377                        |
| Cullman    | 10,911                    | 13.8 | 3,485                               | 19.4 | \$26,125                        |
| Dale       | 8,169                     | 16.7 | 3,008                               | 23.5 | \$25,421                        |
| Dallas     | 12,198                    | 27.4 | 4,566                               | 37.5 | \$24,085                        |
| DeKalb     | 10,572                    | 15.8 | 3,601                               | 22.4 | \$25,102                        |
| Elmore     | 8,965                     | 12.5 | 3,008                               | 17.1 | \$27,119                        |
| Escambia   | 7,673                     | 20.1 | 2,290                               | 26.3 | \$22,515                        |
| Etowah     | 16,571                    | 16.1 | 5,590                               | 24.0 | \$26,658                        |
| Fayette    | 3,159                     | 17.4 | 986                                 | 24.6 | \$23,973                        |
| Franklin   | 5,456                     | 17.8 | 1,825                               | 25.3 | \$24,160                        |
| Geneva     | 4,626                     | 18.1 | 1,533                               | 27.4 | \$25,232                        |
| Greene     | 2,564                     | 26.5 | 897                                 | 34.7 | \$22,551                        |
| Hale       | 3,984                     | 22.0 | 1,329                               | 28.7 | \$20,373                        |
| Henry      | 2,822                     | 17.1 | 938                                 | 25.1 | \$24,394                        |
| Houston    | 14,644                    | 15.8 | 5,456                               | 23.5 | \$30,418                        |
| Jackson    | 8,212                     | 15.3 | 2,721                               | 22.6 | \$24,812                        |
| Jefferson  | 101,221                   | 15.4 | 32,300                              | 20.7 | \$38,861                        |
| Lamar      | 2,519                     | 16.8 | 760                                 | 23.8 | \$22,085                        |
| Lauderdale | 14,152                    | 16.2 | 4,303                               | 23.2 | \$26,462                        |
| Lawrence   | 5,055                     | 14.7 | 1,619                               | 20.0 | \$24,891                        |
| Lee        | 19,252                    | 16.0 | 4,747                               | 18.2 | \$24,804                        |
| Limestone  | 8,783                     | 12.7 | 2,887                               | 17.8 | \$26,698                        |
| Lowndes    | 3,336                     | 25.5 | 1,233                               | 34.5 | \$21,875                        |
| Macon      | 6,518                     | 28.3 | 1,834                               | 35.8 | \$19,823                        |
| Madison    | 34,327                    | 11.7 | 11,657                              | 16.4 | \$34,987                        |
| Marengo    | 4,675                     | 21.3 | 1,676                               | 28.9 | \$27,140                        |
| Marion     | 5,390                     | 17.9 | 1,614                               | 25.2 | \$24,303                        |
| Marshall   | 13,393                    | 15.8 | 4,682                               | 22.3 | \$27,365                        |
| Mobile     | 79,789                    | 20.0 | 30,321                              | 29.0 | \$25,602                        |
| Monroe     | 4,371                     | 18.5 | 1,542                               | 25.0 | \$24,319                        |
| Montgomery | 42,876                    | 19.4 | 15,468                              | 27.7 | \$35,130                        |
| Morgan     | 15,800                    | 14.0 | 5,478                               | 20.2 | \$30,814                        |
| Perry      | 3,484                     | 30.4 | 1,296                               | 40.1 | \$20,352                        |
| Pickens    | 4,218                     | 20.8 | 1,431                               | 28.3 | \$23,628                        |
| Pike       | 6,278                     | 21.4 | 2,036                               | 29.7 | \$28,842                        |
| Randolph   | 3,624                     | 16.1 | 1,250                               | 23.3 | \$22,189                        |
| Russell    | 9,521                     | 19.4 | 3,461                               | 28.1 | \$24,291                        |
| St. Clair  | 9,193                     | 13.1 | 3,112                               | 18.6 | \$26,872                        |
| Shelby     | 11,577                    | 7.0  | 3,941                               | 9.2  | \$39,590                        |
| Sumter     | 3,971                     | 28.3 | 1,346                               | 36.9 | \$20,509                        |
| Talladega  | 14,230                    | 17.8 | 4,698                               | 25.2 | \$27,793                        |
| Tallapoosa | 6,957                     | 17.1 | 2,276                               | 24.8 | \$25,519                        |
| Tuscaloosa | 28,687                    | 17.2 | 8,738                               | 23.2 | \$30,951                        |
| Walker     | 11,308                    | 16.2 | 3,523                               | 22.5 | \$26,155                        |
| Washington | 3,216                     | 18.1 | 1,140                               | 25.0 | \$21,494                        |
| Wilcox     | 3,916                     | 30.4 | 1,493                               | 39.4 | \$18,820                        |
| Winston    | 4,210                     | 17.2 | 1,345                               | 25.2 | \$23,630                        |

**Data for Counties**

| County      | Medicaid Eligible Pop. - 2006 |         | Medicaid Elig. Children (<21) - 2006 |         | Medicaid Births - 2006 |         |
|-------------|-------------------------------|---------|--------------------------------------|---------|------------------------|---------|
|             | Number                        | Percent | Number                               | Percent | Number                 | Percent |
| Alabama     | 988,677                       | 21.1    | 520,256                              | 38.9    | 30,114                 | 49.3    |
| Autauga     | 8,495                         | 17.1    | 4,631                                | 29.5    | 270                    | 42.2    |
| Baldwin     | 24,195                        | 14.5    | 13,286                               | 29.7    | 1,015                  | 46.6    |
| Barbour     | 7,975                         | 25.9    | 4,310                                | 51.4    | 196                    | 64.7    |
| Bibb        | 4,932                         | 21.2    | 2,514                                | 37.7    | 132                    | 51.4    |
| Blount      | 9,480                         | 16.2    | 5,228                                | 30.6    | 274                    | 39.5    |
| Bullock     | 4,207                         | 35.1    | 2,294                                | 69.0    | 151                    | 77.8    |
| Butler      | 6,887                         | 32.8    | 3,596                                | 58.4    | 189                    | 62.6    |
| Calhoun     | 28,431                        | 25.4    | 14,429                               | 47.7    | 859                    | 56.9    |
| Chambers    | 8,912                         | 24.5    | 4,585                                | 45.0    | 261                    | 70.7    |
| Cherokee    | 5,881                         | 22.1    | 3,018                                | 45.0    | 129                    | 57.1    |
| Chilton     | 9,111                         | 20.6    | 4,849                                | 37.5    | 285                    | 51.5    |
| Choctaw     | 4,260                         | 26.9    | 1,998                                | 43.8    | 17                     | 70.8    |
| Clarke      | 7,818                         | 27.7    | 3,851                                | 43.2    | 191                    | 59.1    |
| Clay        | 3,264                         | 21.9    | 1,586                                | 39.3    | 93                     | 54.1    |
| Cleburne    | 3,503                         | 23.5    | 1,839                                | 45.3    | 96                     | 64.0    |
| Coffee      | 9,277                         | 20.4    | 4,796                                | 37.9    | 285                    | 45.9    |
| Colbert     | 12,237                        | 21.7    | 6,133                                | 40.0    | 320                    | 52.2    |
| Conecuh     | 4,447                         | 31.5    | 2,344                                | 58.1    | 120                    | 72.7    |
| Coosa       | 2,480                         | 19.4    | 1,142                                | 34.6    | 57                     | 57.6    |
| Covington   | 10,017                        | 26.4    | 4,972                                | 49.2    | 291                    | 64.8    |
| Crenshaw    | 3,940                         | 28.8    | 1,896                                | 49.9    | 98                     | 59.4    |
| Cullman     | 16,468                        | 19.8    | 8,327                                | 36.3    | 420                    | 42.1    |
| Dale        | 11,394                        | 22.8    | 6,236                                | 42.6    | 312                    | 41.1    |
| Dallas      | 18,705                        | 41.1    | 9,501                                | 65.1    | 480                    | 72.6    |
| DeKalb      | 18,287                        | 25.8    | 10,327                               | 50.5    | 565                    | 59.1    |
| Elmore      | 12,205                        | 16.2    | 6,649                                | 30.7    | 425                    | 42.5    |
| Escambia    | 10,098                        | 25.4    | 5,631                                | 51.8    | 345                    | 77.2    |
| Etowah      | 23,529                        | 22.4    | 11,714                               | 40.5    | 698                    | 53.9    |
| Fayette     | 4,095                         | 21.9    | 1,934                                | 38.6    | 99                     | 55.0    |
| Franklin    | 8,547                         | 25.7    | 4,550                                | 48.8    | 284                    | 59.7    |
| Geneva      | 6,773                         | 25.3    | 3,355                                | 47.0    | 167                    | 50.9    |
| Greene      | 4,046                         | 41.3    | 2,154                                | 68.8    | 103                    | 74.1    |
| Hale        | 5,771                         | 31.7    | 3,010                                | 49.5    | 105                    | 56.8    |
| Henry       | 4,157                         | 24.9    | 2,061                                | 45.9    | 99                     | 53.2    |
| Houston     | 22,709                        | 24.6    | 12,525                               | 47.1    | 702                    | 51.1    |
| Jackson     | 11,548                        | 20.2    | 5,893                                | 37.8    | 326                    | 58.7    |
| Jefferson   | 128,327                       | 19.2    | 66,153                               | 34.8    | 4,016                  | 41.7    |
| Lamar       | 3,984                         | 24.8    | 1,811                                | 42.0    | 105                    | 68.2    |
| Lauderdale  | 17,694                        | 19.2    | 8,472                                | 31.6    | 472                    | 46.3    |
| Lawrence    | 6,991                         | 19.2    | 3,410                                | 32.9    | 198                    | 48.5    |
| Lee         | 20,282                        | 15.5    | 10,886                               | 26.4    | 587                    | 45.7    |
| Limestone   | 12,023                        | 16.6    | 6,214                                | 30.5    | 389                    | 41.3    |
| Lowndes     | 4,446                         | 32.1    | 2,341                                | 52.4    | 142                    | 70.6    |
| Macon       | 7,243                         | 30.6    | 3,752                                | 50.3    | 164                    | 67.5    |
| Madison     | 42,023                        | 14.2    | 22,702                               | 26.1    | 1,525                  | 37.9    |
| Marengo     | 6,583                         | 29.8    | 3,275                                | 46.9    | 157                    | 60.6    |
| Marion      | 7,606                         | 23.8    | 3,715                                | 45.4    | 225                    | 64.3    |
| Marshall    | 21,924                        | 24.5    | 12,531                               | 48.8    | 928                    | 60.9    |
| Mobile      | 94,188                        | 22.9    | 52,401                               | 40.9    | 3,460                  | 56.9    |
| Monroe      | 6,051                         | 24.8    | 3,172                                | 41.3    | 164                    | 62.6    |
| Montgomery  | 57,036                        | 24.6    | 31,973                               | 46.1    | 1,895                  | 54.6    |
| Morgan      | 21,317                        | 18.2    | 11,652                               | 34.9    | 663                    | 45.7    |
| Perry       | 4,851                         | 42.3    | 2,482                                | 61.0    | 116                    | 72.0    |
| Pickens     | 6,025                         | 28.5    | 2,851                                | 44.1    | 138                    | 60.3    |
| Pike        | 9,006                         | 29.1    | 4,568                                | 49.4    | 261                    | 62.6    |
| Randolph    | 5,428                         | 22.8    | 2,875                                | 41.5    | 158                    | 69.0    |
| Russell     | 14,336                        | 28.0    | 7,902                                | 51.3    | 76                     | 81.7    |
| St. Clair   | 12,953                        | 17.5    | 7,132                                | 34.1    | 385                    | 36.5    |
| Shelby      | 14,119                        | 8.2     | 7,533                                | 15.3    | 559                    | 21.5    |
| Sumter      | 5,564                         | 39.3    | 2,778                                | 59.1    | 57                     | 74.0    |
| Talladega   | 22,051                        | 26.4    | 11,010                               | 47.3    | 615                    | 61.0    |
| Tallahassee | 10,415                        | 24.5    | 5,385                                | 46.3    | 316                    | 61.6    |
| Tuscaloosa  | 34,167                        | 19.9    | 17,638                               | 34.9    | 988                    | 42.2    |
| Walker      | 17,033                        | 23.6    | 8,132                                | 41.7    | 491                    | 55.7    |
| Washington  | 4,257                         | 22.7    | 2,040                                | 34.1    | 91                     | 50.8    |
| Wilcox      | 5,835                         | 44.8    | 2,860                                | 63.7    | 136                    | 76.0    |
| Winston     | 6,367                         | 24.0    | 2,980                                | 41.6    | 178                    | 62.0    |

### Data for Counties

| County      | Primary Care Physicians in 2006 |                              | Dentists in 2003 |                              | Psychiatrists in 2006 |                              |
|-------------|---------------------------------|------------------------------|------------------|------------------------------|-----------------------|------------------------------|
|             | Number                          | Rate per 10,000 <sup>1</sup> | Number           | Rate per 10,000 <sup>1</sup> | Number                | Rate per 10,000 <sup>1</sup> |
| Alabama     | 3,044                           | 6.5                          | 1,557            | 3.5                          | 298                   | 0.6                          |
| Autauga     | 17                              | 3.4                          | 12               | 2.6                          | 0                     | 0.0                          |
| Baldwin     | 98                              | 5.9                          | 52               | 3.4                          | 12                    | 0.7                          |
| Barbour     | 13                              | 4.2                          | 7                | 2.4                          | 0                     | 0.0                          |
| Bibb        | 5                               | 2.2                          | 5                | 2.4                          | 0                     | 0.0                          |
| Blount      | 13                              | 2.2                          | 6                | 1.1                          | 0                     | 0.0                          |
| Bullock     | 6                               | 5.0                          | 2                | 1.8                          | 0                     | 0.0                          |
| Butler      | 10                              | 4.8                          | 5                | 2.4                          | 1                     | 0.5                          |
| Calhoun     | 80                              | 7.1                          | 38               | 3.4                          | 7                     | 0.6                          |
| Chambers    | 23                              | 6.3                          | 8                | 2.2                          | 0                     | 0.0                          |
| Cherokee    | 8                               | 3.0                          | 5                | 2.1                          | 0                     | 0.0                          |
| Chilton     | 11                              | 2.5                          | 9                | 2.2                          | 0                     | 0.0                          |
| Choctaw     | 6                               | 3.8                          | 6                | 3.9                          | 0                     | 0.0                          |
| Clarke      | 18                              | 6.4                          | 7                | 2.6                          | 0                     | 0.0                          |
| Clay        | 6                               | 4.0                          | 2                | 1.4                          | 0                     | 0.0                          |
| Cleburne    | 2                               | 1.3                          | 0                | 0.0                          | 0                     | 0.0                          |
| Coffee      | 23                              | 5.1                          | 18               | 4.1                          | 0                     | 0.0                          |
| Colbert     | 43                              | 7.6                          | 15               | 2.8                          | 0                     | 0.0                          |
| Conecuh     | 7                               | 5.0                          | 2                | 1.5                          | 0                     | 0.0                          |
| Coosa       | 1                               | 0.8                          | 1                | 0.9                          | 0                     | 0.0                          |
| Covington   | 23                              | 6.1                          | 9                | 2.4                          | 1                     | 0.3                          |
| Crenshaw    | 3                               | 2.2                          | 3                | 2.2                          | 1                     | 0.7                          |
| Cullman     | 42                              | 5.0                          | 20               | 2.6                          | 4                     | 0.5                          |
| Dale        | 16                              | 3.2                          | 15               | 3.0                          | 0                     | 0.0                          |
| Dallas      | 31                              | 6.8                          | 12               | 2.7                          | 3                     | 0.7                          |
| DeKalb      | 26                              | 3.7                          | 19               | 2.9                          | 0                     | 0.0                          |
| Elmore      | 22                              | 2.9                          | 11               | 1.6                          | 0                     | 0.0                          |
| Escambia    | 22                              | 5.5                          | 10               | 2.6                          | 0                     | 0.0                          |
| Etowah      | 72                              | 6.9                          | 31               | 3.0                          | 5                     | 0.5                          |
| Fayette     | 9                               | 4.8                          | 3                | 1.6                          | 0                     | 0.0                          |
| Franklin    | 12                              | 3.6                          | 8                | 2.6                          | 0                     | 0.0                          |
| Geneva      | 9                               | 3.4                          | 4                | 1.6                          | 0                     | 0.0                          |
| Greene      | 4                               | 4.1                          | 0                | 0.0                          | 0                     | 0.0                          |
| Hale        | 5                               | 2.7                          | 1                | 0.5                          | 0                     | 0.0                          |
| Henry       | 3                               | 1.8                          | 5                | 3.0                          | 0                     | 0.0                          |
| Houston     | 87                              | 9.4                          | 37               | 4.0                          | 7                     | 0.8                          |
| Jackson     | 30                              | 5.2                          | 13               | 2.4                          | 0                     | 0.0                          |
| Jefferson   | 726                             | 10.9                         | 408              | 6.2                          | 108                   | 1.6                          |
| Lamar       | 3                               | 1.9                          | 3                | 2.0                          | 0                     | 0.0                          |
| Lauderdale  | 61                              | 6.6                          | 43               | 4.9                          | 9                     | 1.0                          |
| Lawrence    | 12                              | 3.3                          | 3                | 0.9                          | 0                     | 0.0                          |
| Lee         | 70                              | 5.4                          | 30               | 2.5                          | 4                     | 0.3                          |
| Limestone   | 29                              | 4.0                          | 15               | 2.2                          | 0                     | 0.0                          |
| Lowndes     | 3                               | 2.2                          | 0                | 0.0                          | 0                     | 0.0                          |
| Macon       | 11                              | 4.7                          | 4                | 1.7                          | 2                     | 0.8                          |
| Madison     | 235                             | 7.9                          | 136              | 4.7                          | 32                    | 1.1                          |
| Marengo     | 9                               | 4.1                          | 5                | 2.3                          | 0                     | 0.0                          |
| Marion      | 16                              | 5.0                          | 7                | 2.3                          | 1                     | 0.3                          |
| Marshall    | 55                              | 6.1                          | 30               | 3.6                          | 3                     | 0.3                          |
| Mobile      | 291                             | 7.1                          | 138              | 3.5                          | 28                    | 0.7                          |
| Monroe      | 12                              | 4.9                          | 5                | 2.1                          | 0                     | 0.0                          |
| Montgomery  | 219                             | 9.5                          | 93               | 4.2                          | 13                    | 0.6                          |
| Morgan      | 75                              | 6.4                          | 37               | 3.3                          | 15                    | 1.3                          |
| Perry       | 5                               | 4.4                          | 1                | 0.9                          | 0                     | 0.0                          |
| Pickens     | 11                              | 5.2                          | 2                | 1.0                          | 1                     | 0.5                          |
| Pike        | 16                              | 5.2                          | 6                | 2.1                          | 0                     | 0.0                          |
| Randolph    | 11                              | 4.6                          | 4                | 1.8                          | 0                     | 0.0                          |
| Russell     | 13                              | 2.5                          | 7                | 1.4                          | 0                     | 0.0                          |
| St. Clair   | 78                              | 10.6                         | 14               | 2.0                          | 0                     | 0.0                          |
| Shelby      | 21                              | 1.2                          | 39               | 2.4                          | 5                     | 0.3                          |
| Sumter      | 7                               | 4.9                          | 3                | 2.1                          | 0                     | 0.0                          |
| Talladega   | 35                              | 4.2                          | 14               | 1.8                          | 0                     | 0.0                          |
| Tallahpoosa | 22                              | 5.2                          | 10               | 2.5                          | 0                     | 0.0                          |
| Tuscaloosa  | 143                             | 8.3                          | 65               | 3.9                          | 34                    | 2.0                          |
| Walker      | 31                              | 4.3                          | 25               | 3.6                          | 2                     | 0.3                          |
| Washington  | 5                               | 2.7                          | 2                | 1.1                          | 0                     | 0.0                          |
| Wilcox      | 4                               | 3.1                          | 2                | 1.5                          | 0                     | 0.0                          |
| Winston     | 9                               | 3.4                          | 5                | 2.0                          | 0                     | 0.0                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County      | Hospital Beds in 2007 |                              | Households With No Vehicle in 2000 |         | Uninsured Persons - 2003 |         |
|-------------|-----------------------|------------------------------|------------------------------------|---------|--------------------------|---------|
|             | Number                | Rate per 10,000 <sup>1</sup> | Number                             | Percent | Number                   | Percent |
| Alabama     | 16,917                | 36.1                         | 143,594                            | 8.3     | 504,539                  | 11.2    |
| Autauga     | 47                    | 9.5                          | 832                                | 5.2     | 3,746                    | 8.1     |
| Baldwin     | 300                   | 18.0                         | 2,340                              | 4.2     | 16,233                   | 10.7    |
| Barbour     | 74                    | 24.1                         | 1,303                              | 12.5    | 2,901                    | 10.1    |
| Bibb        | 28                    | 12.1                         | 721                                | 9.7     | 1,925                    | 9.1     |
| Blount      | 40                    | 6.8                          | 1,045                              | 5.4     | 4,492                    | 8.3     |
| Bullock     | 41                    | 34.3                         | 702                                | 17.6    | 1,580                    | 14.0    |
| Butler      | 94                    | 44.8                         | 1,013                              | 12.1    | 2,008                    | 9.7     |
| Calhoun     | 526                   | 46.9                         | 3,566                              | 7.9     | 11,854                   | 10.6    |
| Chambers    | 115                   | 31.6                         | 1,477                              | 10.2    | 4,358                    | 12.2    |
| Cherokee    | 60                    | 22.6                         | 580                                | 6.0     | 3,803                    | 15.6    |
| Chilton     | 30                    | 6.8                          | 1,076                              | 7.0     | 5,198                    | 12.7    |
| Choctaw     | 0                     | 0.0                          | 697                                | 11.0    | 1,545                    | 10.1    |
| Clarke      | 114                   | 40.4                         | 1,192                              | 11.3    | 3,230                    | 11.8    |
| Clay        | 45                    | 30.3                         | 485                                | 8.4     | 1,729                    | 12.2    |
| Cleburne    | 0                     | 0.0                          | 343                                | 6.1     | 1,984                    | 13.6    |
| Coffee      | 151                   | 33.3                         | 1,308                              | 7.5     | 4,976                    | 11.2    |
| Colbert     | 314                   | 55.6                         | 1,441                              | 6.4     | 7,797                    | 14.3    |
| Conecuh     | 58                    | 41.1                         | 670                                | 11.6    | 1,298                    | 9.6     |
| Coosa       | 0                     | 0.0                          | 378                                | 8.1     | 1,245                    | 10.8    |
| Covington   | 235                   | 61.9                         | 1,372                              | 8.8     | 3,503                    | 9.5     |
| Crenshaw    | 49                    | 35.8                         | 640                                | 11.5    | 1,594                    | 11.7    |
| Cullman     | 215                   | 25.8                         | 1,944                              | 6.3     | 11,054                   | 14.1    |
| Dale        | 89                    | 17.8                         | 1,198                              | 6.3     | 5,365                    | 10.9    |
| Dallas      | 163                   | 35.8                         | 2,884                              | 16.2    | 5,523                    | 12.3    |
| DeKalb      | 134                   | 18.9                         | 1,533                              | 6.1     | 7,628                    | 11.5    |
| Elmore      | 138                   | 18.3                         | 940                                | 4.1     | 7,043                    | 10.0    |
| Escambia    | 116                   | 29.2                         | 1,314                              | 9.2     | 3,897                    | 10.2    |
| Etowah      | 560                   | 53.3                         | 3,144                              | 7.6     | 10,494                   | 10.2    |
| Fayette     | 61                    | 32.6                         | 610                                | 8.1     | 2,283                    | 12.5    |
| Franklin    | 125                   | 37.6                         | 1,021                              | 8.3     | 5,420                    | 17.6    |
| Geneva      | 83                    | 31.0                         | 827                                | 7.9     | 3,774                    | 14.8    |
| Greene      | 20                    | 20.4                         | 641                                | 16.3    | 1,032                    | 10.5    |
| Hale        | 39                    | 21.4                         | 1,003                              | 15.6    | 2,551                    | 14.0    |
| Henry       | 0                     | 0.0                          | 597                                | 9.1     | 1,805                    | 11.0    |
| Houston     | 605                   | 65.6                         | 2,958                              | 8.3     | 10,143                   | 11.1    |
| Jackson     | 170                   | 29.7                         | 1,554                              | 7.2     | 7,107                    | 13.2    |
| Jefferson   | 4377                  | 65.5                         | 26,148                             | 9.9     | 59,897                   | 9.1     |
| Lamar       | 0                     | 0.0                          | 528                                | 8.2     | 1,698                    | 11.2    |
| Lauderdale  | 328                   | 35.5                         | 2,164                              | 6.0     | 12,527                   | 14.4    |
| Lawrence    | 98                    | 26.9                         | 1,045                              | 7.7     | 4,588                    | 13.3    |
| Lee         | 276                   | 21.1                         | 3,104                              | 6.8     | 13,076                   | 11.0    |
| Limestone   | 101                   | 14.0                         | 1,627                              | 6.6     | 10,758                   | 15.8    |
| Lowndes     | 0                     | 0.0                          | 743                                | 15.1    | 1,733                    | 13.0    |
| Macon       | 0                     | 0.0                          | 1,684                              | 18.8    | 3,346                    | 14.3    |
| Madison     | 1001                  | 33.7                         | 6,133                              | 5.6     | 24,045                   | 8.3     |
| Marengo     | 99                    | 44.8                         | 1,259                              | 14.4    | 2,766                    | 12.5    |
| Marion      | 128                   | 40.1                         | 1,129                              | 8.9     | 3,139                    | 10.4    |
| Marshall    | 240                   | 26.8                         | 2,257                              | 6.9     | 13,869                   | 16.5    |
| Mobile      | 1811                  | 44.1                         | 13,410                             | 8.9     | 55,047                   | 13.8    |
| Monroe      | 94                    | 38.6                         | 989                                | 10.5    | 3,322                    | 14.0    |
| Montgomery  | 841                   | 36.3                         | 8,426                              | 9.8     | 20,617                   | 9.3     |
| Morgan      | 552                   | 47.2                         | 2,726                              | 6.3     | 16,681                   | 14.8    |
| Perry       | 0                     | 0.0                          | 720                                | 16.6    | 2,128                    | 18.3    |
| Pickens     | 48                    | 22.7                         | 958                                | 11.8    | 2,681                    | 13.1    |
| Pike        | 97                    | 31.3                         | 1,362                              | 11.4    | 2,791                    | 9.6     |
| Randolph    | 50                    | 21.0                         | 679                                | 7.9     | 1,742                    | 7.8     |
| Russell     | 108                   | 21.1                         | 2,489                              | 12.6    | 8,206                    | 16.8    |
| St. Clair   | 82                    | 11.1                         | 1,169                              | 4.8     | 5,134                    | 7.5     |
| Shelby      | 192                   | 11.2                         | 1,860                              | 3.4     | 11,158                   | 7.0     |
| Sumter      | 33                    | 23.3                         | 1,105                              | 19.4    | 2,518                    | 17.8    |
| Talladega   | 270                   | 32.3                         | 3,141                              | 10.2    | 8,066                    | 10.1    |
| Tallahooosa | 101                   | 23.7                         | 1,559                              | 9.4     | 6,030                    | 14.8    |
| Tuscaloosa  | 787                   | 45.9                         | 5,405                              | 8.4     | 21,054                   | 12.7    |
| Walker      | 267                   | 37.0                         | 2,135                              | 7.5     | 8,052                    | 11.5    |
| Washington  | 15                    | 8.0                          | 550                                | 8.2     | 1,966                    | 11.0    |
| Wilcox      | 32                    | 24.6                         | 959                                | 20.1    | 1,231                    | 9.5     |
| Winston     | 50                    | 18.9                         | 782                                | 7.7     | 2,555                    | 10.4    |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Mortality – All Causes<br>(2003-2005) |                  | Septicemia Mortality<br>(2003-2005) |                               | Cancer Mortality – All Sites<br>(2003-2005) |                  |
|------------|---------------------------------------|------------------|-------------------------------------|-------------------------------|---|------------------|
|            | Number                                | Rate per 100,000 | Number                              | Rate per 100,000 <sup>1</sup> | Number                                      | Rate per 100,000 |
| Alabama    | 139,414                               | 1,028.7          | 2,451                               | 18.1                          | 29,389                                      | 216.9            |
| Autauga    | 1,196                                 | 841.5            | 16                                  | 11.3                          | 245   | 172.4            |
| Baldwin    | 4,647                                 | 987.2            | 48                                  | 10.2                          | 1,094                                       | 232.4            |
| Barbour    | 888                                   | 1,040.6          | 14                                  | 16.4                          | 180   | 210.9            |
| Bibb       | 682                                   | 1,069.6          | 13                                  | 20.4                          | 143   | 224.3            |
| Blount     | 1,617                                 | 981.1            | 23                                  | 14.0                          | 319   | 193.5            |
| Bullock    | 390                                   | 1,164.6          | 6                                   | 17.9                          | 77  | 229.9            |
| Butler     | 892                                   | 1,441.6          | 10                                  | 16.2                          | 167   | 269.9            |
| Calhoun    | 3,961                                 | 1,180.2          | 106                                 | 31.6                          | 815   | 242.8            |
| Chambers   | 1,390                                 | 1,306.0          | 18                                  | 16.9                          | 279   | 262.1            |
| Cherokee   | 849                                   | 1,157.4          | 11                                  | 15.0                          | 196   | 267.2            |
| Chilton    | 1,379                                 | 1,113.0          | 8                                   | 6.5                           | 276   | 222.8            |
| Choctaw    | 509                                   | 1,125.1          | 6                                   | 13.3                          | 100   | 221.0            |
| Clarke     | 845                                   | 1,033.1          | 12                                  | 14.7                          | 173   | 211.5            |
| Clay       | 544                                   | 1,292.1          | 9                                   | 21.4                          | 113   | 268.4            |
| Cleburne   | 508                                   | 1,168.9          | 15                                  | 34.5                          | 110   | 253.1            |
| Coffee     | 1,414                                 | 1,048.0          | 9                                   | 6.7                           | 323   | 239.4            |
| Colbert    | 1,851                                 | 1,129.3          | 26                                  | 15.9                          | 402   | 245.3            |
| Conecuh    | 537                                   | 1,339.7          | 8                                   | 20.0                          | 116   | 289.4            |
| Coosa      | 420                                   | 1,240.5          | 4                                   | 11.8                          | 83  | 245.1            |
| Covington  | 1,547                                 | 1,402.4          | 32                                  | 29.0                          | 324   | 293.7            |
| Crenshaw   | 516                                   | 1,262.7          | 8                                   | 19.6                          | 81  | 198.2            |
| Cullman    | 2,676                                 | 1,128.1          | 37                                  | 15.6                          | 549   | 231.4            |
| Dale       | 1,348                                 | 918.6            | 18                                  | 12.3                          | 321   | 218.8            |
| Dallas     | 1,672                                 | 1,252.0          | 53                                  | 39.7                          | 301   | 225.4            |
| DeKalb     | 2,095                                 | 1,043.7          | 35                                  | 17.4                          | 404   | 201.3            |
| Elmore     | 1,878                                 | 872.9            | 24                                  | 11.2                          | 391   | 181.7            |
| Escambia   | 1,351                                 | 1,179.7          | 19                                  | 16.6                          | 265   | 231.4            |
| Etowah     | 4,024                                 | 1,303.2          | 95                                  | 30.8                          | 801   | 259.4            |
| Fayette    | 673                                   | 1,235.6          | 12                                  | 22.0                          | 127   | 233.2            |
| Franklin   | 1,132                                 | 1,231.0          | 25                                  | 27.2                          | 223   | 242.5            |
| Geneva     | 1,002                                 | 1,306.8          | 12                                  | 15.7                          | 207   | 270.0            |
| Greene     | 339                                   | 1,167.8          | 6                                   | 20.7                          | 54  | 186.0            |
| Hale       | 607                                   | 1,117.3          | 10                                  | 18.4                          | 138   | 254.0            |
| Henry      | 636                                   | 1,284.5          | 8                                   | 16.2                          | 129   | 260.5            |
| Houston    | 2,680                                 | 963.8            | 31                                  | 11.1                          | 620   | 223.0            |
| Jackson    | 1,779                                 | 1,104.9          | 30                                  | 18.6                          | 382   | 237.2            |
| Jefferson  | 21,639                                | 1,097.4          | 380                                 | 19.3                          | 4,365                                       | 221.4            |
| Lamar      | 542                                   | 1,204.8          | 12                                  | 26.7                          | 119   | 264.5            |
| Lauderdale | 2,805                                 | 1,070.3          | 32                                  | 12.2                          | 591   | 225.5            |
| Lawrence   | 1,052                                 | 1,019.6          | 14                                  | 13.6                          | 219   | 212.3            |
| Lee        | 2,386                                 | 661.0            | 48                                  | 13.3                          | 534   | 147.9            |
| Limestone  | 1,822                                 | 878.1            | 36                                  | 17.4                          | 406   | 195.7            |
| Lowndes    | 453                                   | 1,154.3          | 12                                  | 30.6                          | 95  | 242.1            |
| Macon      | 794                                   | 1,149.2          | 16                                  | 23.2                          | 163   | 235.9            |
| Madison    | 6,951                                 | 789.7            | 122                                 | 13.9                          | 1,604                                       | 182.2            |
| Marengo    | 772                                   | 1,172.4          | 13                                  | 19.7                          | 156   | 236.9            |
| Marion     | 1,158                                 | 1,281.8          | 16                                  | 17.7                          | 254   | 281.2            |
| Marshall   | 2,916                                 | 1,146.7          | 45                                  | 17.7                          | 583   | 229.3            |
| Mobile     | 11,858                                | 990.8            | 194                                 | 16.2                          | 2,634                                       | 220.1            |
| Monroe     | 787                                   | 1,110.4          | 18                                  | 25.4                          | 147   | 207.4            |
| Montgomery | 6,101                                 | 920.2            | 100                                 | 15.1                          | 1,322                                       | 199.4            |
| Morgan     | 3,239                                 | 956.7            | 53                                  | 15.7                          | 687   | 202.9            |
| Perry      | 424                                   | 1,233.1          | 14                                  | 40.7                          | 91  | 264.6            |
| Pickens    | 769                                   | 1,264.1          | 19                                  | 31.2                          | 184   | 302.5            |
| Pike       | 939                                   | 1,066.9          | 26                                  | 29.5                          | 178   | 202.2            |
| Randolph   | 823                                   | 1,218.6          | 33                                  | 48.9                          | 156   | 231.0            |
| Russell    | 1,606                                 | 1,090.8          | 36                                  | 24.5                          | 329   | 223.5            |
| St. Clair  | 2,159                                 | 1,025.5          | 38                                  | 18.1                          | 496   | 235.6            |
| Shelby     | 3,134                                 | 631.6            | 57                                  | 11.5                          | 720   | 145.1            |
| Sumter     | 432                                   | 1,026.3          | 9                                   | 21.4                          | 75  | 178.2            |
| Talladega  | 2,628                                 | 1,095.7          | 41                                  | 17.1                          | 550   | 229.3            |
| Tallapoosa | 1,573                                 | 1,288.7          | 29                                  | 23.8                          | 339   | 277.7            |
| Tuscaloosa | 4,502                                 | 899.8            | 124                                 | 24.8                          | 937   | 187.3            |
| Walker     | 2,917                                 | 1,393.0          | 66                                  | 31.5                          | 552   | 263.6            |
| Washington | 506                                   | 949.3            | 8                                   | 15.0                          | 114   | 213.9            |
| Wilcox     | 427                                   | 1,105.1          | 11                                  | 28.5                          | 89  | 230.3            |
| Winston    | 826                                   | 1,124.8          | 12                                  | 16.3                          | 172   | 234.2            |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Colon, Rectum, Anus Cancer Mortality (2003-2005) |                               | Trachea, Bronchus, Lung Cancer Mortality (2003-2005) |                               | Breast Cancer Mortality (Females 2003-2005) |                               |
|------------|--|-------------------------------|--|-------------------------------|---|-------------------------------|
|            | Number   | Rate per 100,000 <sup>1</sup> | Number   | Rate per 100,000 <sup>1</sup> | Number                                      | Rate per 100,000 <sup>1</sup> |
| Alabama    | 2,696  | 19.9                          | 9,286  | 68.5                          | 2,072                                       | 29.4                          |
| Autauga    | 25   | 17.6                          | 82   | 57.7                          | 19  | 25.4                          |
| Baldwin    | 105  | 22.3                          | 351  | 74.6                          | 57  | 23.0                          |
| Barbour    | 17   | 19.9                          | 58   | 68.0                          | 12  | 29.6                          |
| Bibb       | 19   | 29.8                          | 41   | 64.3                          | 10  | 32.0                          |
| Blount     | 24   | 14.6                          | 110  | 66.7                          | 23  | 27.5                          |
| Bullock    | 12   | 35.8                          | 19   | 56.7                          | 11  | 71.2                          |
| Butler     | 16   | 25.9                          | 44   | 71.1                          | 10  | 30.5                          |
| Calhoun    | 73   | 21.8                          | 312  | 93.0                          | 51  | 29.2                          |
| Chambers   | 20   | 18.8                          | 79   | 74.2                          | 16  | 28.8                          |
| Cherokee   | 16   | 21.8                          | 70   | 95.4                          | 11  | 29.2                          |
| Chilton    | 25   | 20.2                          | 101  | 81.5                          | 18  | 28.4                          |
| Choctaw    | 11   | 24.3                          | 32   | 70.7                          | 7   | 29.8                          |
| Clarke     | 16   | 19.6                          | 51   | 62.4                          | 24  | 55.8                          |
| Clay       | 13   | 30.9                          | 40   | 95.0                          | 6   | 28.3                          |
| Cleburne   | 13   | 29.9                          | 37   | 85.1                          | 10  | 46.2                          |
| Coffee     | 32   | 23.7                          | 104  | 77.1                          | 11  | 15.8                          |
| Colbert    | 35   | 21.4                          | 125  | 76.3                          | 36  | 42.2                          |
| Conecuh    | 9  | 22.5                          | 44   | 109.8                         | 5   | 23.8                          |
| Coosa      | 6  | 17.7                          | 28   | 82.7                          | 4   | 23.9                          |
| Covington  | 27   | 24.5                          | 113  | 102.4                         | 25  | 43.4                          |
| Crenshaw   | 10   | 24.5                          | 26   | 63.6                          | 5   | 23.2                          |
| Cullman    | 38   | 16.0                          | 185  | 78.0                          | 38  | 31.4                          |
| Dale       | 23   | 15.7                          | 106  | 72.2                          | 19  | 25.8                          |
| Dallas     | 46   | 34.4                          | 84   | 62.9                          | 17  | 23.5                          |
| DeKalb     | 30   | 14.9                          | 131  | 65.3                          | 27  | 26.4                          |
| Elmore     | 38   | 17.7                          | 127  | 59.0                          | 32  | 29.3                          |
| Escambia   | 25   | 21.8                          | 87   | 76.0                          | 23  | 41.0                          |
| Etowah     | 61   | 19.8                          | 279  | 90.4                          | 46  | 28.6                          |
| Fayette    | 17   | 31.2                          | 41   | 75.3                          | 8   | 28.5                          |
| Franklin   | 17   | 18.5                          | 79   | 85.9                          | 14  | 30.2                          |
| Geneva     | 11   | 14.3                          | 76   | 99.1                          | 17  | 43.0                          |
| Greene     | 8  | 27.6                          | 14   | 48.2                          | 4   | 25.9                          |
| Hale       | 13   | 23.9                          | 27   | 49.7                          | 16  | 58.8                          |
| Henry      | 13   | 26.3                          | 42   | 84.8                          | 10  | 38.7                          |
| Houston    | 44   | 15.8                          | 186  | 66.9                          | 42  | 28.5                          |
| Jackson    | 37   | 23.0                          | 139  | 86.3                          | 28  | 34.0                          |
| Jefferson  | 411  | 20.8                          | 1,245  | 63.1                          | 361   | 34.8                          |
| Lamar      | 13   | 28.9                          | 44   | 97.8                          | 5   | 21.7                          |
| Lauderdale | 54   | 20.6                          | 190  | 72.5                          | 37  | 27.0                          |
| Lawrence   | 21   | 20.4                          | 71   | 68.8                          | 13  | 24.5                          |
| Lee        | 40   | 11.1                          | 154  | 42.7                          | 43  | 22.9                          |
| Limestone  | 38   | 18.3                          | 137  | 66.0                          | 23  | 22.1                          |
| Lowndes    | 13   | 33.1                          | 23   | 58.6                          | 4   | 19.1                          |
| Macon      | 17   | 24.6                          | 47   | 68.0                          | 11  | 29.9                          |
| Madison    | 153  | 17.4                          | 488  | 55.4                          | 111   | 24.3                          |
| Marengo    | 17   | 25.8                          | 49   | 74.4                          | 6   | 17.5                          |
| Marion     | 20   | 22.1                          | 102  | 112.9                         | 13  | 28.6                          |
| Marshall   | 49   | 19.3                          | 227  | 89.3                          | 37  | 28.2                          |
| Mobile     | 236  | 19.7                          | 781  | 65.3                          | 193   | 30.8                          |
| Monroe     | 17   | 24.0                          | 45   | 63.5                          | 7   | 19.0                          |
| Montgomery | 123  | 18.6                          | 362  | 54.6                          | 104   | 30.0                          |
| Morgan     | 61   | 18.0                          | 247  | 73.0                          | 49  | 28.3                          |
| Perry      | 9  | 26.2                          | 25   | 72.7                          | 4   | 21.8                          |
| Pickens    | 12   | 19.7                          | 52   | 85.5                          | 14  | 43.7                          |
| Pike       | 17   | 19.3                          | 48   | 54.5                          | 16  | 34.7                          |
| Randolph   | 18   | 26.7                          | 35   | 51.8                          | 8   | 22.8                          |
| Russell    | 39   | 26.5                          | 99   | 67.2                          | 21  | 27.1                          |
| St. Clair  | 44   | 20.9                          | 181  | 86.0                          | 28  | 26.0                          |
| Shelby     | 65   | 13.1                          | 238  | 48.0                          | 53  | 20.4                          |
| Sumter     | 4  | 9.5                           | 20   | 47.5                          | 5   | 22.2                          |
| Talladega  | 59   | 24.6                          | 156  | 65.0                          | 43  | 35.0                          |
| Tallapoosa | 29   | 23.8                          | 111  | 90.9                          | 32  | 50.4                          |
| Tuscaloosa | 96   | 19.2                          | 318  | 63.6                          | 62  | 23.7                          |
| Walker     | 49   | 23.4                          | 207  | 98.9                          | 32  | 29.4                          |
| Washington | 4  | 7.5                           | 42   | 78.8                          | 8   | 29.5                          |
| Wilcox     | 10   | 25.9                          | 14   | 36.2                          | 5   | 23.8                          |
| Winston    | 13   | 17.7                          | 58   | 79.0                          | 12  | 32.2                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Cervix Uteri Cancer Mortality<br>(Females 2003-2005) |                               | Ovarian Cancer Mortality<br>(Females 2003-2005) |                               | Prostate Cancer Mortality<br>(Males 2003-2005) |                               |
|------------|--|-------------------------------|---|-------------------------------|--|-------------------------------|
|            | Number   | Rate per 100,000 <sup>1</sup> | Number  | Rate per 100,000 <sup>1</sup> | Number   | Rate per 100,000 <sup>1</sup> |
| Alabama    | 241  | 3.4                           | 786   | 11.2                          | 1,609  | 24.3                          |
| Autauga    | 3  | 4.0                           | 7   | 9.4                           | 10   | 14.1                          |
| Baldwin    | 7  | 2.8                           | 37  | 14.9                          | 76   | 31.7                          |
| Barbour    | 3  | 7.4                           | 5   | 12.3                          | 16   | 35.8                          |
| Bibb       | 5  | 16.0                          | 3   | 9.6                           | 4  | 12.0                          |
| Blount     | 3  | 3.6                           | 11  | 13.1                          | 12   | 14.4                          |
| Bullock    | 1  | 6.5                           | 1   | 6.5                           | 8  | 45.1                          |
| Butler     | 2  | 6.1                           | 2   | 6.1                           | 14   | 47.5                          |
| Calhoun    | 6  | 3.4                           | 16  | 9.1                           | 43   | 26.6                          |
| Chambers   | 2  | 3.6                           | 9   | 16.2                          | 19   | 37.5                          |
| Cherokee   | 2  | 5.3                           | 4   | 10.6                          | 11   | 30.6                          |
| Chilton    | 1  | 1.6                           | 9   | 14.2                          | 13   | 21.0                          |
| Choctaw    | 1  | 4.3                           | 0   | 0.0                           | 10   | 47.7                          |
| Clarke     | 3  | 7.0                           | 5   | 11.6                          | 15   | 38.6                          |
| Clay       | 2  | 9.4                           | 3   | 14.1                          | 6  | 29.0                          |
| Cleburne   | 1  | 4.6                           | 1   | 4.6                           | 7  | 32.2                          |
| Coffee     | 2  | 2.9                           | 11  | 15.8                          | 20   | 29.8                          |
| Colbert    | 1  | 1.2                           | 6   | 7.0                           | 9  | 11.4                          |
| Conecuh    | 2  | 9.5                           | 6   | 28.6                          | 8  | 42.7                          |
| Coosa      | 0  | 0.0                           | 3   | 17.9                          | 5  | 29.8                          |
| Covington  | 5  | 8.7                           | 11  | 19.1                          | 14   | 26.2                          |
| Crenshaw   | 1  | 4.6                           | 4   | 18.6                          | 5  | 25.5                          |
| Cullman    | 3  | 2.5                           | 13  | 10.7                          | 31   | 26.1                          |
| Dale       | 4  | 5.4                           | 10  | 13.6                          | 15   | 20.7                          |
| Dallas     | 4  | 5.5                           | 6   | 8.3                           | 25   | 41.1                          |
| DeKalb     | 2  | 2.0                           | 12  | 11.7                          | 12   | 12.1                          |
| Elmore     | 1  | 0.9                           | 13  | 11.9                          | 22   | 19.5                          |
| Escambia   | 3  | 5.3                           | 3   | 5.3                           | 12   | 20.6                          |
| Etowah     | 3  | 1.9                           | 29  | 18.1                          | 41   | 27.5                          |
| Fayette    | 0  | 0.0                           | 2   | 7.1                           | 8  | 30.0                          |
| Franklin   | 0  | 0.0                           | 5   | 10.8                          | 10   | 21.8                          |
| Geneva     | 0  | 0.0                           | 4   | 10.1                          | 10   | 26.6                          |
| Greene     | 0  | 0.0                           | 5   | 32.4                          | 4  | 29.6                          |
| Hale       | 3  | 11.0                          | 3   | 11.0                          | 10   | 36.0                          |
| Henry      | 1  | 3.9                           | 4   | 15.5                          | 7  | 29.1                          |
| Houston    | 2  | 1.4                           | 19  | 12.9                          | 40   | 29.6                          |
| Jackson    | 3  | 3.6                           | 8   | 9.7                           | 17   | 21.6                          |
| Jefferson  | 32   | 3.1                           | 114   | 11.0                          | 276  | 29.5                          |
| Lamar      | 1  | 4.3                           | 3   | 13.0                          | 3  | 13.7                          |
| Lauderdale | 6  | 4.4                           | 10  | 7.3                           | 31   | 24.6                          |
| Lawrence   | 0  | 0.0                           | 3   | 5.7                           | 7  | 13.8                          |
| Lee        | 1  | 0.5                           | 16  | 8.5                           | 40   | 22.0                          |
| Limestone  | 3  | 2.9                           | 6   | 5.8                           | 12   | 11.2                          |
| Lowndes    | 0  | 0.0                           | 1   | 4.8                           | 4  | 21.8                          |
| Macon      | 2  | 5.4                           | 3   | 8.2                           | 14   | 44.2                          |
| Madison    | 16   | 3.5                           | 42  | 9.2                           | 75   | 17.1                          |
| Marengo    | 0  | 0.0                           | 1   | 2.9                           | 17   | 54.4                          |
| Marion     | 3  | 6.6                           | 7   | 15.4                          | 13   | 28.9                          |
| Marshall   | 6  | 4.6                           | 18  | 13.7                          | 20   | 15.9                          |
| Mobile     | 21   | 3.3                           | 65  | 10.4                          | 138  | 23.9                          |
| Monroe     | 1  | 2.7                           | 6   | 16.3                          | 4  | 11.7                          |
| Montgomery | 17   | 4.9                           | 50  | 14.4                          | 86   | 27.1                          |
| Morgan     | 7  | 4.0                           | 17  | 9.8                           | 37   | 22.0                          |
| Perry      | 0  | 0.0                           | 4   | 21.8                          | 9  | 57.2                          |
| Pickens    | 3  | 9.4                           | 4   | 12.5                          | 13   | 45.6                          |
| Pike       | 0  | 0.0                           | 4   | 8.7                           | 6  | 14.0                          |
| Randolph   | 1  | 2.8                           | 8   | 22.8                          | 7  | 21.2                          |
| Russell    | 6  | 7.7                           | 9   | 11.6                          | 27   | 38.3                          |
| St. Clair  | 4  | 3.7                           | 22  | 20.4                          | 13   | 11.9                          |
| Shelby     | 5  | 1.9                           | 17  | 6.5                           | 20   | 7.9                           |
| Sumter     | 1  | 4.4                           | 2   | 8.9                           | 13   | 68.8                          |
| Talladega  | 4  | 3.3                           | 4   | 3.3                           | 27   | 22.8                          |
| Tallapoosa | 3  | 4.7                           | 11  | 17.3                          | 17   | 29.0                          |
| Tuscaloosa | 6  | 2.3                           | 22  | 8.4                           | 46   | 18.7                          |
| Walker     | 5  | 4.6                           | 15  | 13.8                          | 23   | 22.6                          |
| Washington | 4  | 14.7                          | 2   | 7.4                           | 9  | 34.4                          |
| Wilcox     | 1  | 4.8                           | 2   | 9.5                           | 9  | 50.5                          |
| Winston    | 0  | 0.0                           | 8   | 21.5                          | 4  | 11.0                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Meninges, Brain, Other Cen. Nervous System Cancer Mortality (2003-2005) |                               | Alzheimer's Disease Mortality (2003-2005) |                               | Diabetes Mellitus Mortality (2003-2005) |                               |
|------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|
|            | Number  | Rate per 100,000 <sup>1</sup> | Number                                    | Rate per 100,000 <sup>1</sup> | Number                                  | Rate per 100,000 <sup>1</sup> |
| Alabama    | 611   | 4.5                           | 4,145                                     | 30.6                          | 4,273                                   | 31.5                          |
| Autauga    | 8   | 5.6                           | 46  | 32.4                          | 51                                      | 35.9                          |
| Baldwin    | 26  | 5.5                           | 164                                       | 34.8                          | 124                                     | 26.3                          |
| Barbour    | 4   | 4.7                           | 34  | 39.8                          | 17                                      | 19.9                          |
| Bibb       | 2   | 3.1                           | 7   | 11.0                          | 20                                      | 31.4                          |
| Blount     | 6   | 3.6                           | 53  | 32.2                          | 29                                      | 17.6                          |
| Bullock    | 0   | 0.0                           | 27  | 80.6                          | 13                                      | 38.8                          |
| Butler     | 4   | 6.5                           | 14  | 22.6                          | 29                                      | 46.9                          |
| Calhoun    | 24  | 7.2                           | 78  | 23.2                          | 64                                      | 19.1                          |
| Chambers   | 6   | 5.6                           | 58  | 54.5                          | 44                                      | 41.3                          |
| Cherokee   | 4   | 5.5                           | 29  | 39.5                          | 16                                      | 21.8                          |
| Chilton    | 2   | 1.6                           | 36  | 29.1                          | 22                                      | 17.8                          |
| Choctaw    | 0   | 0.0                           | 14  | 30.9                          | 7                                       | 15.5                          |
| Clarke     | 1   | 1.2                           | 40  | 48.9                          | 29                                      | 35.5                          |
| Clay       | 2   | 4.8                           | 10  | 23.8                          | 16                                      | 38.0                          |
| Cleburne   | 4   | 9.2                           | 17  | 39.1                          | 12                                      | 27.6                          |
| Coffee     | 8   | 5.9                           | 49  | 36.3                          | 33                                      | 24.5                          |
| Colbert    | 12  | 7.3                           | 50  | 30.5                          | 60                                      | 36.6                          |
| Conecuh    | 1   | 2.5                           | 13  | 32.4                          | 19                                      | 47.4                          |
| Coosa      | 2   | 5.9                           | 7   | 20.7                          | 15                                      | 44.3                          |
| Covington  | 3   | 2.7                           | 54  | 49.0                          | 30                                      | 27.2                          |
| Crenshaw   | 1   | 2.4                           | 15  | 36.7                          | 17                                      | 41.6                          |
| Cullman    | 12  | 5.1                           | 107                                       | 45.1                          | 75                                      | 31.6                          |
| Dale       | 4   | 2.7                           | 47  | 32.0                          | 50                                      | 34.1                          |
| Dallas     | 3   | 2.2                           | 59  | 44.2                          | 59                                      | 44.2                          |
| DeKalb     | 15  | 7.5                           | 53  | 26.4                          | 41                                      | 20.4                          |
| Elmore     | 9   | 4.2                           | 48  | 22.3                          | 71                                      | 33.0                          |
| Escambia   | 9   | 7.9                           | 71  | 62.0                          | 68                                      | 59.4                          |
| Etowah     | 19  | 6.2                           | 152                                       | 49.2                          | 99                                      | 32.1                          |
| Fayette    | 1   | 1.8                           | 22  | 40.4                          | 16                                      | 29.4                          |
| Franklin   | 5   | 5.4                           | 18  | 19.6                          | 65                                      | 70.7                          |
| Geneva     | 4   | 5.2                           | 48  | 62.6                          | 37                                      | 48.3                          |
| Greene     | 1   | 3.4                           | 3   | 10.3                          | 9                                       | 31.0                          |
| Hale       | 2   | 3.7                           | 12  | 22.1                          | 23                                      | 42.3                          |
| Henry      | 1   | 2.0                           | 26  | 52.5                          | 16                                      | 32.3                          |
| Houston    | 13  | 4.7                           | 121                                       | 43.5                          | 51                                      | 18.3                          |
| Jackson    | 7   | 4.3                           | 37  | 23.0                          | 62                                      | 38.5                          |
| Jefferson  | 75  | 3.8                           | 626                                       | 31.7                          | 736                                     | 37.3                          |
| Lamar      | 2   | 4.4                           | 19  | 42.2                          | 11                                      | 24.5                          |
| Lauderdale | 20  | 7.6                           | 130                                       | 49.6                          | 62                                      | 23.7                          |
| Lawrence   | 5   | 4.8                           | 30  | 29.1                          | 42                                      | 40.7                          |
| Lee        | 12  | 3.3                           | 71  | 19.7                          | 66                                      | 18.3                          |
| Limestone  | 11  | 5.3                           | 33  | 15.9                          | 43                                      | 20.7                          |
| Lowndes    | 1   | 2.5                           | 6   | 15.3                          | 20                                      | 51.0                          |
| Macon      | 2   | 2.9                           | 30  | 43.4                          | 30                                      | 43.4                          |
| Madison    | 35  | 4.0                           | 197                                       | 22.4                          | 286                                     | 32.5                          |
| Marengo    | 3   | 4.6                           | 8   | 12.1                          | 31                                      | 47.1                          |
| Marion     | 5   | 5.5                           | 29  | 32.1                          | 22                                      | 24.4                          |
| Marshall   | 16  | 6.3                           | 84  | 33.0                          | 32                                      | 12.6                          |
| Mobile     | 53  | 4.4                           | 332                                       | 27.7                          | 325                                     | 27.2                          |
| Monroe     | 2   | 2.8                           | 17  | 24.0                          | 25                                      | 35.3                          |
| Montgomery | 20  | 3.0                           | 188                                       | 28.4                          | 344                                     | 51.9                          |
| Morgan     | 16  | 4.7                           | 74  | 21.9                          | 126                                     | 37.2                          |
| Perry      | 3   | 8.7                           | 11  | 32.0                          | 14                                      | 40.7                          |
| Pickens    | 2   | 3.3                           | 17  | 27.9                          | 15                                      | 24.7                          |
| Pike       | 4   | 4.5                           | 16  | 18.2                          | 44                                      | 50.0                          |
| Randolph   | 5   | 7.4                           | 24  | 35.5                          | 24                                      | 35.5                          |
| Russell    | 11  | 7.5                           | 37  | 25.1                          | 34                                      | 23.1                          |
| St. Clair  | 8   | 3.8                           | 60  | 28.5                          | 43                                      | 20.4                          |
| Shelby     | 18  | 3.6                           | 93  | 18.7                          | 99                                      | 20.0                          |
| Sumter     | 1   | 2.4                           | 10  | 23.8                          | 13                                      | 30.9                          |
| Talladega  | 14  | 5.8                           | 90  | 37.5                          | 57                                      | 23.8                          |
| Tallapoosa | 5   | 4.1                           | 49  | 40.1                          | 61                                      | 50.0                          |
| Tuscaloosa | 15  | 3.0                           | 101                                       | 20.2                          | 134                                     | 26.8                          |
| Walker     | 12  | 5.7                           | 59  | 28.2                          | 67                                      | 32.0                          |
| Washington | 2   | 3.8                           | 21  | 39.4                          | 17                                      | 31.9                          |
| Wilcox     | 0   | 0.0                           | 15  | 38.8                          | 16                                      | 41.4                          |
| Winston    | 8   | 10.9                          | 29  | 39.5                          | 25                                      | 34.0                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Heart Diseases Mortality<br>(2003-2005) |                  | Ischemic Heart Diseases Mortality<br>(2003-2005) |                  | Heart Failure Mortality<br>(2003-2005) |                               |
|------------|---|------------------|--|------------------|--|-------------------------------|
|            | Number                                  | Rate per 100,000 | Number   | Rate per 100,000 | Number                                 | Rate per 100,000 <sup>1</sup> |
| Alabama    | 38,683                                  | 285.4            | 18,789   | 138.6            | 6,606                                  | 48.7                          |
| Autauga    | 348                                     | 244.8            | 122  | 85.8             | 120                                    | 84.4                          |
| Baldwin    | 1,300                                   | 276.2            | 700  | 148.7            | 170                                    | 36.1                          |
| Barbour    | 252                                     | 295.3            | 63   | 73.8             | 34                                     | 39.8                          |
| Bibb       | 151                                     | 236.8            | 89   | 139.6            | 26                                     | 40.8                          |
| Blount     | 468                                     | 284.0            | 210  | 127.4            | 96                                     | 58.2                          |
| Bullock    | 108                                     | 322.5            | 58   | 173.2            | 12                                     | 35.8                          |
| Butler     | 299                                     | 483.2            | 109  | 176.2            | 87                                     | 140.6                         |
| Calhoun    | 1,294                                   | 385.5            | 714  | 212.7            | 176                                    | 52.4                          |
| Chambers   | 420                                     | 394.6            | 161  | 151.3            | 62                                     | 58.3                          |
| Cherokee   | 224                                     | 305.4            | 131  | 178.6            | 43                                     | 58.6                          |
| Chilton    | 426                                     | 343.8            | 244  | 196.9            | 74                                     | 59.7                          |
| Choctaw    | 150                                     | 331.6            | 75   | 165.8            | 27                                     | 59.7                          |
| Clarke     | 220                                     | 269.0            | 142  | 173.6            | 34                                     | 41.6                          |
| Clay       | 182                                     | 432.3            | 134  | 318.3            | 24                                     | 57.0                          |
| Cleburne   | 128                                     | 294.5            | 57   | 131.2            | 30                                     | 69.0                          |
| Coffee     | 435                                     | 322.4            | 217  | 160.8            | 133                                    | 98.6                          |
| Colbert    | 606                                     | 369.7            | 378  | 230.6            | 45                                     | 27.5                          |
| Conecuh    | 169                                     | 421.6            | 73   | 182.1            | 12                                     | 29.9                          |
| Coosa      | 123                                     | 363.3            | 57   | 168.4            | 28                                     | 82.7                          |
| Covington  | 462                                     | 418.8            | 209  | 189.5            | 85                                     | 77.1                          |
| Crenshaw   | 161                                     | 394.0            | 70   | 171.3            | 33                                     | 80.8                          |
| Cullman    | 803                                     | 338.5            | 425  | 179.2            | 154                                    | 64.9                          |
| Dale       | 375                                     | 255.6            | 216  | 147.2            | 70                                     | 47.7                          |
| Dallas     | 488                                     | 365.4            | 231  | 173.0            | 79                                     | 59.2                          |
| DeKalb     | 769                                     | 383.1            | 311  | 154.9            | 243                                    | 121.1                         |
| Elmore     | 544                                     | 252.8            | 239  | 111.1            | 77                                     | 35.8                          |
| Escambia   | 344                                     | 300.4            | 208  | 181.6            | 29                                     | 25.3                          |
| Etowah     | 1,202                                   | 389.3            | 718  | 232.5            | 234                                    | 75.8                          |
| Fayette    | 184                                     | 337.8            | 67   | 123.0            | 34                                     | 62.4                          |
| Franklin   | 343                                     | 373.0            | 172  | 187.0            | 28                                     | 30.4                          |
| Geneva     | 292                                     | 380.8            | 154  | 200.9            | 67                                     | 87.4                          |
| Greene     | 135                                     | 465.1            | 23   | 79.2             | 20                                     | 68.9                          |
| Hale       | 189                                     | 347.9            | 90   | 165.7            | 28                                     | 51.5                          |
| Henry      | 166                                     | 335.3            | 83   | 167.6            | 32                                     | 64.6                          |
| Houston    | 671                                     | 241.3            | 321  | 115.4            | 124                                    | 44.6                          |
| Jackson    | 588                                     | 365.2            | 285  | 177.0            | 115                                    | 71.4                          |
| Jefferson  | 5,222                                   | 264.8            | 2,662  | 135.0            | 776                                    | 39.4                          |
| Lamar      | 161                                     | 357.9            | 83   | 184.5            | 42                                     | 93.4                          |
| Lauderdale | 638                                     | 243.4            | 306  | 116.8            | 109                                    | 41.6                          |
| Lawrence   | 289                                     | 280.1            | 162  | 157.0            | 46                                     | 44.6                          |
| Lee        | 643                                     | 178.1            | 337  | 93.4             | 173                                    | 47.9                          |
| Limestone  | 547                                     | 263.6            | 255  | 122.9            | 58                                     | 28.0                          |
| Lowndes    | 157                                     | 400.0            | 44   | 112.1            | 84                                     | 214.0                         |
| Macon      | 258                                     | 373.4            | 71   | 102.8            | 148                                    | 214.2                         |
| Madison    | 1,779                                   | 202.1            | 586  | 66.6             | 307                                    | 34.9                          |
| Marengo    | 260                                     | 394.9            | 170  | 258.2            | 38                                     | 57.7                          |
| Marion     | 364                                     | 402.9            | 197  | 218.1            | 103                                    | 114.0                         |
| Marshall   | 971                                     | 381.8            | 422  | 165.9            | 154                                    | 60.6                          |
| Mobile     | 3,237                                   | 270.5            | 1,858  | 155.2            | 312                                    | 26.1                          |
| Monroe     | 237                                     | 334.4            | 87   | 122.8            | 28                                     | 39.5                          |
| Montgomery | 1,507                                   | 227.3            | 795  | 119.9            | 211                                    | 31.8                          |
| Morgan     | 945                                     | 279.1            | 298  | 88.0             | 144                                    | 42.5                          |
| Perry      | 107                                     | 311.2            | 44   | 128.0            | 27                                     | 78.5                          |
| Pickens    | 217                                     | 356.7            | 91   | 149.6            | 76                                     | 124.9                         |
| Pike       | 312                                     | 354.5            | 82   | 93.2             | 27                                     | 30.7                          |
| Randolph   | 238                                     | 352.4            | 147  | 217.7            | 42                                     | 62.2                          |
| Russell    | 274                                     | 186.1            | 152  | 103.2            | 54                                     | 36.7                          |
| St. Clair  | 576                                     | 273.6            | 291  | 138.2            | 128                                    | 60.8                          |
| Shelby     | 722                                     | 145.5            | 314  | 63.3             | 103                                    | 20.8                          |
| Sumter     | 144                                     | 342.1            | 54   | 128.3            | 16                                     | 38.0                          |
| Talladega  | 773                                     | 322.3            | 313  | 130.5            | 171                                    | 71.3                          |
| Tallapoosa | 442                                     | 362.1            | 258  | 211.4            | 87                                     | 71.3                          |
| Tuscaloosa | 1,119                                   | 223.6            | 506  | 101.1            | 190                                    | 38.0                          |
| Walker     | 980                                     | 468.0            | 443  | 211.6            | 140                                    | 66.9                          |
| Washington | 146                                     | 273.9            | 61   | 114.4            | 26                                     | 48.8                          |
| Wilcox     | 138                                     | 357.1            | 40   | 103.5            | 17                                     | 44.0                          |
| Winston    | 261                                     | 355.4            | 104  | 141.6            | 84                                     | 114.4                         |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Cerebrovascular Diseases (Stroke) Mortality (2003-2005) |                  | Pneumonia Mortality (2003-2005) |                               | Chronic Lower Respiratory Diseases Mortality (2003-2005) |                               |
|------------|---|------------------|---------------------------------|-------------------------------|--|-------------------------------|
|            | Number  | Rate per 100,000 | Number                          | Rate per 100,000 <sup>1</sup> | Number   | Rate per 100,000 <sup>1</sup> |
| Alabama    | 8,934   | 65.9             | 3,111                           | 23.0                          | 7,156  | 52.8                          |
| Autauga    | 65  | 45.7             | 22                              | 15.5                          | 67   | 47.1                          |
| Baldwin    | 278   | 59.1             | 69                              | 14.7                          | 195  | 41.4                          |
| Barbour    | 64  | 75.0             | 21                              | 24.6                          | 57   | 66.8                          |
| Bibb       | 89  | 139.6            | 15                              | 23.5                          | 35   | 54.9                          |
| Blount     | 87  | 52.8             | 70                              | 42.5                          | 94   | 57.0                          |
| Bullock    | 25  | 74.7             | 8                               | 23.9                          | 17   | 50.8                          |
| Butler     | 61  | 98.6             | 30                              | 48.5                          | 49   | 79.2                          |
| Calhoun    | 228   | 67.9             | 100                             | 29.8                          | 206  | 61.4                          |
| Chambers   | 127   | 119.3            | 24                              | 22.6                          | 74   | 69.5                          |
| Cherokee   | 51  | 69.5             | 25                              | 34.1                          | 56   | 76.3                          |
| Chilton    | 86  | 69.4             | 39                              | 31.5                          | 74   | 59.7                          |
| Choctaw    | 49  | 108.3            | 7                               | 15.5                          | 28   | 61.9                          |
| Clarke     | 80  | 97.8             | 9                               | 11.0                          | 38   | 46.5                          |
| Clay       | 31  | 73.6             | 12                              | 28.5                          | 26   | 61.8                          |
| Cleburne   | 29  | 66.7             | 9                               | 20.7                          | 33   | 75.9                          |
| Coffee     | 86  | 63.7             | 37                              | 27.4                          | 88   | 65.2                          |
| Colbert    | 106   | 64.7             | 38                              | 23.2                          | 99   | 60.4                          |
| Conecuh    | 40  | 99.8             | 18                              | 44.9                          | 22   | 54.9                          |
| Coosa      | 30  | 88.6             | 8                               | 23.6                          | 17   | 50.2                          |
| Covington  | 101   | 91.6             | 62                              | 56.2                          | 74   | 67.1                          |
| Crenshaw   | 41  | 100.3            | 19                              | 46.5                          | 50   | 122.4                         |
| Cullman    | 169   | 71.2             | 43                              | 18.1                          | 166  | 70.0                          |
| Dale       | 65  | 44.3             | 18                              | 12.3                          | 108  | 73.6                          |
| Dallas     | 111   | 83.1             | 31                              | 23.2                          | 55   | 41.2                          |
| DeKalb     | 102   | 50.8             | 40                              | 19.9                          | 138  | 68.7                          |
| Elmore     | 93  | 43.2             | 27                              | 12.5                          | 108  | 50.2                          |
| Escambia   | 86  | 75.1             | 22                              | 19.2                          | 51   | 44.5                          |
| Etowah     | 254   | 82.3             | 120                             | 38.9                          | 255  | 82.6                          |
| Fayette    | 59  | 108.3            | 16                              | 29.4                          | 37   | 67.9                          |
| Franklin   | 77  | 83.7             | 30                              | 32.6                          | 70   | 76.1                          |
| Geneva     | 64  | 83.5             | 12                              | 15.7                          | 60   | 78.3                          |
| Greene     | 22  | 75.8             | 12                              | 41.3                          | 8  | 27.6                          |
| Hale       | 34  | 62.6             | 14                              | 25.8                          | 15   | 27.6                          |
| Henry      | 68  | 137.3            | 7                               | 14.1                          | 31   | 62.6                          |
| Houston    | 149   | 53.6             | 27                              | 9.7                           | 137  | 49.3                          |
| Jackson    | 104   | 64.6             | 42                              | 26.1                          | 92   | 57.1                          |
| Jefferson  | 1,566   | 79.4             | 504                             | 25.6                          | 972  | 49.3                          |
| Lamar      | 39  | 86.7             | 14                              | 31.1                          | 32   | 71.1                          |
| Lauderdale | 193   | 73.6             | 71                              | 27.1                          | 139  | 53.0                          |
| Lawrence   | 62  | 60.1             | 23                              | 22.3                          | 57   | 55.2                          |
| Lee        | 161   | 44.6             | 39                              | 10.8                          | 129  | 35.7                          |
| Limestone  | 135   | 65.1             | 46                              | 22.2                          | 81   | 39.0                          |
| Lowndes    | 25  | 63.7             | 6                               | 15.3                          | 13   | 33.1                          |
| Macon      | 44  | 63.7             | 14                              | 20.3                          | 23   | 33.3                          |
| Madison    | 428   | 48.6             | 155                             | 17.6                          | 326  | 37.0                          |
| Marengo    | 55  | 83.5             | 17                              | 25.8                          | 32   | 48.6                          |
| Marion     | 59  | 65.3             | 27                              | 29.9                          | 65   | 72.0                          |
| Marshall   | 186   | 73.1             | 85                              | 33.4                          | 210  | 82.6                          |
| Mobile     | 734   | 61.3             | 221                             | 18.5                          | 535  | 44.7                          |
| Monroe     | 52  | 73.4             | 25                              | 35.3                          | 40   | 56.4                          |
| Montgomery | 382   | 57.6             | 115                             | 17.3                          | 330  | 49.8                          |
| Morgan     | 156   | 46.1             | 90                              | 26.6                          | 171  | 50.5                          |
| Perry      | 33  | 96.0             | 5                               | 14.5                          | 9  | 26.2                          |
| Pickens    | 49  | 80.5             | 24                              | 39.5                          | 30   | 49.3                          |
| Pike       | 47  | 53.4             | 18                              | 20.5                          | 27   | 30.7                          |
| Randolph   | 53  | 78.5             | 13                              | 19.2                          | 39   | 57.7                          |
| Russell    | 80  | 54.3             | 34                              | 23.1                          | 70   | 47.5                          |
| St. Clair  | 123   | 58.4             | 57                              | 27.1                          | 155  | 73.6                          |
| Shelby     | 198   | 39.9             | 55                              | 11.1                          | 170  | 34.3                          |
| Sumter     | 39  | 92.7             | 7                               | 16.6                          | 19   | 45.1                          |
| Talladega  | 187   | 78.0             | 46                              | 19.2                          | 160  | 66.7                          |
| Tallapoosa | 80  | 65.5             | 40                              | 32.8                          | 97   | 79.5                          |
| Tuscaloosa | 317   | 63.4             | 148                             | 29.6                          | 247  | 49.4                          |
| Walker     | 142   | 67.8             | 74                              | 35.3                          | 174  | 83.1                          |
| Washington | 30  | 56.3             | 8                               | 15.0                          | 21   | 39.4                          |
| Wilcox     | 31  | 80.2             | 9                               | 23.3                          | 6  | 15.5                          |
| Winston    | 37  | 50.4             | 18                              | 24.5                          | 47   | 64.0                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Chronic Liver Disease and Cirrhosis Mortality (2003-2005) |                               | Nephritis, Nephrotic Syndrome, and Nephrosis Mortality (2003-2005) |                               | Accident (All Types) Mortality (2003-2005) |                               |
|------------|---|-------------------------------|--|-------------------------------|--|-------------------------------|
|            | Number  | Rate per 100,000 <sup>1</sup> | Number   | Rate per 100,000 <sup>1</sup> | Number                                     | Rate per 100,000 <sup>1</sup> |
| Alabama    | 1,378   | 10.2                          | 3,132  | 23.1                          | 6,931                                      | 51.1                          |
| Autauga    | 11  | 7.7                           | 20   | 14.1                          | 74   | 52.1                          |
| Baldwin    | 75  | 15.9                          | 64   | 13.6                          | 277  | 58.8                          |
| Barbour    | 6   | 7.0                           | 17   | 19.9                          | 43   | 50.4                          |
| Bibb       | 10  | 15.7                          | 8  | 12.5                          | 55   | 86.3                          |
| Blount     | 12  | 7.3                           | 46   | 27.9                          | 91   | 55.2                          |
| Bullock    | 6   | 17.9                          | 16   | 47.8                          | 16   | 47.8                          |
| Butler     | 6   | 9.7                           | 24   | 38.8                          | 47   | 76.0                          |
| Calhoun    | 32  | 9.5                           | 90   | 26.8                          | 199  | 59.3                          |
| Chambers   | 8   | 7.5                           | 28   | 26.3                          | 61   | 57.3                          |
| Cherokee   | 11  | 15.0                          | 20   | 27.3                          | 40   | 54.5                          |
| Chilton    | 10  | 8.1                           | 26   | 21.0                          | 97   | 78.3                          |
| Choctaw    | 5   | 11.1                          | 11   | 24.3                          | 36   | 79.6                          |
| Clarke     | 1   | 1.2                           | 19   | 23.2                          | 58   | 70.9                          |
| Clay       | 8   | 19.0                          | 13   | 30.9                          | 24   | 57.0                          |
| Cleburne   | 1   | 2.3                           | 11   | 25.3                          | 30   | 69.0                          |
| Coffee     | 13  | 9.6                           | 31   | 23.0                          | 50   | 37.1                          |
| Colbert    | 10  | 6.1                           | 33   | 20.1                          | 80   | 48.8                          |
| Conecuh    | 6   | 15.0                          | 13   | 32.4                          | 29   | 72.3                          |
| Coosa      | 3   | 8.9                           | 8  | 23.6                          | 27   | 79.7                          |
| Covington  | 13  | 11.8                          | 44   | 39.9                          | 70   | 63.5                          |
| Crenshaw   | 3   | 7.3                           | 16   | 39.2                          | 29   | 71.0                          |
| Cullman    | 18  | 7.6                           | 70   | 29.5                          | 144  | 60.7                          |
| Dale       | 18  | 12.3                          | 23   | 15.7                          | 66   | 45.0                          |
| Dallas     | 10  | 7.5                           | 41   | 30.7                          | 79   | 59.2                          |
| DeKalb     | 18  | 9.0                           | 46   | 22.9                          | 129  | 64.3                          |
| Elmore     | 18  | 8.4                           | 28   | 13.0                          | 105  | 48.8                          |
| Escambia   | 19  | 16.6                          | 11   | 9.6                           | 87   | 76.0                          |
| Etowah     | 51  | 16.5                          | 94   | 30.4                          | 169  | 54.7                          |
| Fayette    | 5   | 9.2                           | 12   | 22.0                          | 42   | 77.1                          |
| Franklin   | 8   | 8.7                           | 23   | 25.0                          | 67   | 72.9                          |
| Geneva     | 12  | 15.7                          | 16   | 20.9                          | 57   | 74.3                          |
| Greene     | 0   | 0.0                           | 20   | 68.9                          | 15   | 51.7                          |
| Hale       | 3   | 5.5                           | 22   | 40.5                          | 33   | 60.7                          |
| Henry      | 7   | 14.1                          | 16   | 32.3                          | 31   | 62.6                          |
| Houston    | 24  | 8.6                           | 39   | 14.0                          | 104  | 37.4                          |
| Jackson    | 28  | 17.4                          | 27   | 16.8                          | 104  | 64.6                          |
| Jefferson  | 210   | 10.7                          | 562  | 28.5                          | 952  | 48.3                          |
| Lamar      | 4   | 8.9                           | 13   | 28.9                          | 23   | 51.1                          |
| Lauderdale | 27  | 10.3                          | 68   | 25.9                          | 128  | 48.8                          |
| Lawrence   | 10  | 9.7                           | 33   | 32.0                          | 78   | 75.6                          |
| Lee        | 21  | 5.8                           | 44   | 12.2                          | 112  | 31.0                          |
| Limestone  | 12  | 5.8                           | 43   | 20.7                          | 111  | 53.5                          |
| Lowndes    | 1   | 2.5                           | 9  | 22.9                          | 37   | 94.3                          |
| Macon      | 1   | 1.4                           | 23   | 33.3                          | 43   | 62.2                          |
| Madison    | 76  | 8.6                           | 171  | 19.4                          | 329  | 37.4                          |
| Marengo    | 6   | 9.1                           | 20   | 30.4                          | 42   | 63.8                          |
| Marion     | 11  | 12.2                          | 35   | 38.7                          | 70   | 77.5                          |
| Marshall   | 39  | 15.3                          | 67   | 26.3                          | 128  | 50.3                          |
| Mobile     | 143   | 11.9                          | 211  | 17.6                          | 592  | 49.5                          |
| Monroe     | 4   | 5.6                           | 21   | 29.6                          | 45   | 63.5                          |
| Montgomery | 72  | 10.9                          | 132  | 19.9                          | 256  | 38.6                          |
| Morgan     | 28  | 8.3                           | 79   | 23.3                          | 165  | 48.7                          |
| Perry      | 2   | 5.8                           | 16   | 46.5                          | 33   | 96.0                          |
| Pickens    | 5   | 8.2                           | 23   | 37.8                          | 44   | 72.3                          |
| Pike       | 5   | 5.7                           | 28   | 31.8                          | 59   | 67.0                          |
| Randolph   | 4   | 5.9                           | 26   | 38.5                          | 51   | 75.5                          |
| Russell    | 18  | 12.2                          | 34   | 23.1                          | 64   | 43.5                          |
| St. Clair  | 26  | 12.4                          | 50   | 23.8                          | 91   | 43.2                          |
| Shelby     | 39  | 7.9                           | 69   | 13.9                          | 180  | 36.3                          |
| Sumter     | 4   | 9.5                           | 14   | 33.3                          | 22   | 52.3                          |
| Talladega  | 28  | 11.7                          | 49   | 20.4                          | 110  | 45.9                          |
| Tallapoosa | 12  | 9.8                           | 30   | 24.6                          | 54   | 44.2                          |
| Tuscaloosa | 44  | 8.8                           | 110  | 22.0                          | 199  | 39.8                          |
| Walker     | 31  | 14.8                          | 67   | 32.0                          | 149  | 71.2                          |
| Washington | 3   | 5.6                           | 11   | 20.6                          | 25   | 46.9                          |
| Wilcox     | 2   | 5.2                           | 10   | 25.9                          | 27   | 69.9                          |
| Winston    | 1   | 1.4                           | 18   | 24.5                          | 47   | 64.0                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Motor Vehicle Accident Mortality (2003-2005) |                               | Accidental Drowning and Submersion Mortality (2003-2005) |                               | Accidental Smoke, Fire, Flames Mortality (2003-2005) |                               |
|------------|--|-------------------------------|--|-------------------------------|--|-------------------------------|
|            | Number                                       | Rate per 100,000 <sup>1</sup> | Number   | Rate per 100,000 <sup>1</sup> | Number   | Rate per 100,000 <sup>1</sup> |
| Alabama    | 3,480  | 25.7                          | 187  | 1.4                           | 322  | 2.4                           |
| Autauga    | 40   | 28.1                          | 2  | 1.4                           | 4  | 2.8                           |
| Baldwin    | 111  | 23.6                          | 9  | 1.9                           | 9  | 1.9                           |
| Barbour    | 28   | 32.8                          | 0  | 0.0                           | 2  | 2.3                           |
| Bibb       | 31   | 48.6                          | 0  | 0.0                           | 3  | 4.7                           |
| Blount     | 50   | 30.3                          | 5  | 3.0                           | 6  | 3.6                           |
| Bullock    | 10   | 29.9                          | 0  | 0.0                           | 1  | 3.0                           |
| Butler     | 27   | 43.6                          | 2  | 3.2                           | 2  | 3.2                           |
| Calhoun    | 108  | 32.2                          | 2  | 0.6                           | 11   | 3.3                           |
| Chambers   | 27   | 25.4                          | 1  | 0.9                           | 3  | 2.8                           |
| Cherokee   | 24   | 32.7                          | 0  | 0.0                           | 0  | 0.0                           |
| Chilton    | 51   | 41.2                          | 4  | 3.2                           | 4  | 3.2                           |
| Choctaw    | 22   | 48.6                          | 2  | 4.4                           | 2  | 4.4                           |
| Clarke     | 35   | 42.8                          | 3  | 3.7                           | 1  | 1.2                           |
| Clay       | 7  | 16.6                          | 1  | 2.4                           | 1  | 2.4                           |
| Cleburne   | 17   | 39.1                          | 0  | 0.0                           | 0  | 0.0                           |
| Coffee     | 30   | 22.2                          | 0  | 0.0                           | 1  | 0.7                           |
| Colbert    | 38   | 23.2                          | 1  | 0.6                           | 2  | 1.2                           |
| Conecuh    | 18   | 44.9                          | 1  | 2.5                           | 0  | 0.0                           |
| Coosa      | 16   | 47.3                          | 2  | 5.9                           | 3  | 8.9                           |
| Covington  | 41   | 37.2                          | 2  | 1.8                           | 3  | 2.7                           |
| Crenshaw   | 15   | 36.7                          | 0  | 0.0                           | 3  | 7.3                           |
| Cullman    | 94   | 39.6                          | 2  | 0.8                           | 10   | 4.2                           |
| Dale       | 34   | 23.2                          | 1  | 0.7                           | 2  | 1.4                           |
| Dallas     | 41   | 30.7                          | 1  | 0.7                           | 10   | 7.5                           |
| DeKalb     | 66   | 32.9                          | 2  | 1.0                           | 5  | 2.5                           |
| Elmore     | 61   | 28.4                          | 4  | 1.9                           | 3  | 1.4                           |
| Escambia   | 47   | 41.0                          | 4  | 3.5                           | 5  | 4.4                           |
| Etowah     | 77   | 24.9                          | 4  | 1.3                           | 9  | 2.9                           |
| Fayette    | 18   | 33.0                          | 0  | 0.0                           | 1  | 1.8                           |
| Franklin   | 34   | 37.0                          | 4  | 4.3                           | 4  | 4.3                           |
| Geneva     | 35   | 45.6                          | 2  | 2.6                           | 2  | 2.6                           |
| Greene     | 11   | 37.9                          | 2  | 6.9                           | 0  | 0.0                           |
| Hale       | 23   | 42.3                          | 1  | 1.8                           | 3  | 5.5                           |
| Henry      | 21   | 42.4                          | 1  | 2.0                           | 0  | 0.0                           |
| Houston    | 50   | 18.0                          | 5  | 1.8                           | 3  | 1.1                           |
| Jackson    | 55   | 34.2                          | 6  | 3.7                           | 6  | 3.7                           |
| Jefferson  | 382  | 19.4                          | 25   | 1.3                           | 55   | 2.8                           |
| Lamar      | 13   | 28.9                          | 0  | 0.0                           | 1  | 2.2                           |
| Lauderdale | 68   | 25.9                          | 5  | 1.9                           | 3  | 1.1                           |
| Lawrence   | 48   | 46.5                          | 0  | 0.0                           | 7  | 6.8                           |
| Lee        | 60   | 16.6                          | 2  | 0.6                           | 5  | 1.4                           |
| Limestone  | 71   | 34.2                          | 2  | 1.0                           | 2  | 1.0                           |
| Lowndes    | 23   | 58.6                          | 1  | 2.5                           | 6  | 15.3                          |
| Macon      | 24   | 34.7                          | 3  | 4.3                           | 1  | 1.4                           |
| Madison    | 151  | 17.2                          | 11   | 1.2                           | 9  | 1.0                           |
| Marengo    | 24   | 36.4                          | 0  | 0.0                           | 4  | 6.1                           |
| Marion     | 33   | 36.5                          | 2  | 2.2                           | 1  | 1.1                           |
| Marshall   | 66   | 26.0                          | 4  | 1.6                           | 4  | 1.6                           |
| Mobile     | 283  | 23.6                          | 22   | 1.8                           | 19   | 1.6                           |
| Monroe     | 30   | 42.3                          | 1  | 1.4                           | 1  | 1.4                           |
| Montgomery | 131  | 19.8                          | 5  | 0.8                           | 12   | 1.8                           |
| Morgan     | 72   | 21.3                          | 3  | 0.9                           | 6  | 1.8                           |
| Perry      | 21   | 61.1                          | 0  | 0.0                           | 7  | 20.4                          |
| Pickens    | 24   | 39.5                          | 0  | 0.0                           | 3  | 4.9                           |
| Pike       | 32   | 36.4                          | 0  | 0.0                           | 4  | 4.5                           |
| Randolph   | 27   | 40.0                          | 1  | 1.5                           | 2  | 3.0                           |
| Russell    | 32   | 21.7                          | 3  | 2.0                           | 3  | 2.0                           |
| St. Clair  | 35   | 16.6                          | 0  | 0.0                           | 7  | 3.3                           |
| Shelby     | 89   | 17.9                          | 3  | 0.6                           | 8  | 1.6                           |
| Sumter     | 15   | 35.6                          | 1  | 2.4                           | 0  | 0.0                           |
| Talladega  | 60   | 25.0                          | 4  | 1.7                           | 3  | 1.3                           |
| Tallapoosa | 29   | 23.8                          | 3  | 2.5                           | 1  | 0.8                           |
| Tuscaloosa | 100  | 20.0                          | 4  | 0.8                           | 8  | 1.6                           |
| Walker     | 68   | 32.5                          | 4  | 1.9                           | 11   | 5.3                           |
| Washington | 16   | 30.0                          | 1  | 1.9                           | 2  | 3.8                           |
| Wilcox     | 18   | 46.6                          | 1  | 2.6                           | 1  | 2.6                           |
| Winston    | 22   | 30.0                          | 0  | 0.0                           | 2  | 2.7                           |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

**Data for Counties**

| County     | Accidental Poisoning and Exposure to Noxious Subst. Mortality (2003-2005) |                               | Homicide Mortality (2003-2005) |                               | Suicide Mortality (2003-2005) |                               |
|------------|---|-------------------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|
|            | Number  | Rate per 100,000 <sup>1</sup> | Number                         | Rate per 100,000 <sup>1</sup> | Number                        | Rate per 100,000 <sup>1</sup> |
| Alabama    | 646   | 4.8                           | 1,233                          | 9.1                           | 1,586                         | 11.7                          |
| Autauga    | 4   | 2.8                           | 5                              | 3.5                           | 14                            | 9.9                           |
| Baldwin    | 40  | 8.5                           | 18                             | 3.8                           | 54                            | 11.5                          |
| Barbour    | 4   | 4.7                           | 10                             | 11.7                          | 5                             | 5.9                           |
| Bibb       | 1   | 1.6                           | 3                              | 4.7                           | 12                            | 18.8                          |
| Blount     | 5   | 3.0                           | 13                             | 7.9                           | 23                            | 14.0                          |
| Bullock    | 1   | 3.0                           | 3                              | 9.0                           | 2                             | 6.0                           |
| Butler     | 1   | 1.6                           | 13                             | 21.0                          | 8                             | 12.9                          |
| Calhoun    | 18  | 5.4                           | 33                             | 9.8                           | 48                            | 14.3                          |
| Chambers   | 7   | 6.6                           | 5                              | 4.7                           | 7                             | 6.6                           |
| Cherokee   | 4   | 5.5                           | 4                              | 5.5                           | 15                            | 20.4                          |
| Chilton    | 13  | 10.5                          | 3                              | 2.4                           | 21                            | 16.9                          |
| Choctaw    | 1   | 2.2                           | 3                              | 6.6                           | 5                             | 11.1                          |
| Clarke     | 3   | 3.7                           | 6                              | 7.3                           | 5                             | 6.1                           |
| Clay       | 0   | 0.0                           | 1                              | 2.4                           | 5                             | 11.9                          |
| Cleburne   | 3   | 6.9                           | 8                              | 18.4                          | 11                            | 25.3                          |
| Coffee     | 3   | 2.2                           | 5                              | 3.7                           | 9                             | 6.7                           |
| Colbert    | 11  | 6.7                           | 11                             | 6.7                           | 27                            | 16.5                          |
| Conecuh    | 5   | 12.5                          | 8                              | 20.0                          | 5                             | 12.5                          |
| Coosa      | 1   | 3.0                           | 3                              | 8.9                           | 6                             | 17.7                          |
| Covington  | 2   | 1.8                           | 4                              | 3.6                           | 15                            | 13.6                          |
| Crenshaw   | 1   | 2.4                           | 3                              | 7.3                           | 6                             | 14.7                          |
| Cullman    | 4   | 1.7                           | 6                              | 2.5                           | 29                            | 12.2                          |
| Dale       | 10  | 6.8                           | 5                              | 3.4                           | 17                            | 11.6                          |
| Dallas     | 6   | 4.5                           | 31                             | 23.2                          | 17                            | 12.7                          |
| DeKalb     | 3   | 1.5                           | 5                              | 2.5                           | 18                            | 9.0                           |
| Elmore     | 2   | 0.9                           | 10                             | 4.6                           | 19                            | 8.8                           |
| Escambia   | 10  | 8.7                           | 10                             | 8.7                           | 12                            | 10.5                          |
| Etowah     | 23  | 7.4                           | 25                             | 8.1                           | 49                            | 15.9                          |
| Fayette    | 3   | 5.5                           | 4                              | 7.3                           | 10                            | 18.4                          |
| Franklin   | 5   | 5.4                           | 4                              | 4.3                           | 12                            | 13.0                          |
| Geneva     | 4   | 5.2                           | 2                              | 2.6                           | 15                            | 19.6                          |
| Greene     | 0   | 0.0                           | 6                              | 20.7                          | 3                             | 10.3                          |
| Hale       | 0   | 0.0                           | 9                              | 16.6                          | 5                             | 9.2                           |
| Henry      | 2   | 4.0                           | 6                              | 12.1                          | 4                             | 8.1                           |
| Houston    | 4   | 1.4                           | 22                             | 7.9                           | 30                            | 10.8                          |
| Jackson    | 8   | 5.0                           | 10                             | 6.2                           | 24                            | 14.9                          |
| Jefferson  | 126   | 6.4                           | 343                            | 17.4                          | 228                           | 11.6                          |
| Lamar      | 1   | 2.2                           | 0                              | 0.0                           | 8                             | 17.8                          |
| Lauderdale | 7   | 2.7                           | 12                             | 4.6                           | 38                            | 14.5                          |
| Lawrence   | 4   | 3.9                           | 8                              | 7.8                           | 13                            | 12.6                          |
| Lee        | 6   | 1.7                           | 30                             | 8.3                           | 35                            | 9.7                           |
| Limestone  | 6   | 2.9                           | 12                             | 5.8                           | 28                            | 13.5                          |
| Lowndes    | 0   | 0.0                           | 12                             | 30.6                          | 3                             | 7.6                           |
| Macon      | 2   | 2.9                           | 16                             | 23.2                          | 6                             | 8.7                           |
| Madison    | 30  | 3.4                           | 46                             | 5.2                           | 96                            | 10.9                          |
| Marengo    | 0   | 0.0                           | 8                              | 12.1                          | 2                             | 3.0                           |
| Marion     | 3   | 3.3                           | 9                              | 10.0                          | 10                            | 11.1                          |
| Marshall   | 11  | 4.3                           | 5                              | 2.0                           | 28                            | 11.0                          |
| Mobile     | 78  | 6.5                           | 136                            | 11.4                          | 116                           | 9.7                           |
| Monroe     | 0   | 0.0                           | 5                              | 7.1                           | 7                             | 9.9                           |
| Montgomery | 21  | 3.2                           | 86                             | 13.0                          | 70                            | 10.6                          |
| Morgan     | 29  | 8.6                           | 22                             | 6.5                           | 54                            | 15.9                          |
| Perry      | 0   | 0.0                           | 4                              | 11.6                          | 3                             | 8.7                           |
| Pickens    | 2   | 3.3                           | 3                              | 4.9                           | 7                             | 11.5                          |
| Pike       | 2   | 2.3                           | 6                              | 6.8                           | 11                            | 12.5                          |
| Randolph   | 5   | 7.4                           | 8                              | 11.8                          | 11                            | 16.3                          |
| Russell    | 5   | 3.4                           | 22                             | 14.9                          | 22                            | 14.9                          |
| St. Clair  | 12  | 5.7                           | 11                             | 5.2                           | 27                            | 12.8                          |
| Shelby     | 18  | 3.6                           | 20                             | 4.0                           | 46                            | 9.3                           |
| Sumter     | 1   | 2.4                           | 4                              | 9.5                           | 0                             | 0.0                           |
| Talladega  | 9   | 3.8                           | 16                             | 6.7                           | 34                            | 14.2                          |
| Tallapoosa | 5   | 4.1                           | 9                              | 7.4                           | 18                            | 14.7                          |
| Tuscaloosa | 24  | 4.8                           | 36                             | 7.2                           | 57                            | 11.4                          |
| Walker     | 22  | 10.5                          | 13                             | 6.2                           | 29                            | 13.8                          |
| Washington | 0   | 0.0                           | 2                              | 3.8                           | 4                             | 7.5                           |
| Wilcox     | 1   | 2.6                           | 9                              | 23.3                          | 0                             | 0.0                           |
| Winston    | 4   | 5.4                           | 3                              | 4.1                           | 8                             | 10.9                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Infant Mortality Rate – 2004-2006<br>(Per 1,000 births) |                   | Low Weight Births - 2006 |                      | Births to Teenagers (age 10-19) - 2006 |         |
|------------|---|-------------------|--------------------------|----------------------|--|---------|
|            | Number  | Rate <sup>1</sup> | Number                   | Percent <sup>1</sup> | Number                                 | Percent |
| Alabama    | 1,646   | 9.0               | 6,616                    | 10.5                 | 8,670                                  | 13.8    |
| Autauga    | 19  | 9.8               | 61                       | 9.5                  | 83                                     | 12.9    |
| Baldwin    | 42  | 6.8               | 210                      | 9.5                  | 282                                    | 12.7    |
| Barbour    | 12  | 10.6              | 44                       | 10.6                 | 80                                     | 19.3    |
| Bibb       | 13  | 16.6              | 35                       | 13.6                 | 52                                     | 20.2    |
| Blount     | 16  | 7.8               | 46                       | 6.7                  | 92                                     | 13.3    |
| Bullock    | 5   | 9.1               | 27                       | 13.4                 | 36                                     | 17.9    |
| Butler     | 9   | 10.8              | 31                       | 10.2                 | 58                                     | 19.1    |
| Calhoun    | 31  | 6.8               | 123                      | 8.1                  | 219                                    | 14.5    |
| Chambers   | 7   | 5.7               | 42                       | 10.7                 | 60                                     | 15.2    |
| Cherokee   | 6   | 7.6               | 20                       | 7.8                  | 35                                     | 13.7    |
| Chilton    | 16  | 9.8               | 55                       | 9.9                  | 81                                     | 14.6    |
| Choctaw    | 2   | 4.1               | 22                       | 13.8                 | 22                                     | 13.9    |
| Clarke     | 13  | 13.2              | 42                       | 12.9                 | 39                                     | 12.0    |
| Clay       | 4   | 8.7               | 19                       | 11.0                 | 29                                     | 16.9    |
| Cleburne   | 1   | 2.1               | 14                       | 8.8                  | 18                                     | 11.3    |
| Coffee     | 16  | 9.0               | 48                       | 7.7                  | 82                                     | 13.1    |
| Colbert    | 20  | 10.8              | 78                       | 12.7                 | 80                                     | 13.0    |
| Conecuh    | 3   | 6.3               | 22                       | 13.0                 | 30                                     | 17.6    |
| Coosa      | 5   | 16.3              | 7                        | 7.1                  | 17                                     | 17.2    |
| Covington  | 8   | 5.8               | 38                       | 8.2                  | 83                                     | 18.0    |
| Crenshaw   | 2   | 4.1               | 17                       | 10.2                 | 28                                     | 16.9    |
| Cullman    | 15  | 5.1               | 87                       | 8.7                  | 132                                    | 13.1    |
| Dale       | 14  | 6.1               | 63                       | 8.3                  | 91                                     | 11.9    |
| Dallas     | 13  | 6.5               | 79                       | 11.9                 | 144                                    | 21.7    |
| DeKalb     | 28  | 9.5               | 74                       | 7.4                  | 152                                    | 15.3    |
| Elmore     | 19  | 6.4               | 88                       | 8.8                  | 126                                    | 12.6    |
| Escambia   | 16  | 11.5              | 61                       | 12.3                 | 90                                     | 18.2    |
| Etowah     | 29  | 7.7               | 126                      | 9.7                  | 212                                    | 16.4    |
| Fayette    | 5   | 9.5               | 16                       | 8.7                  | 29                                     | 15.8    |
| Franklin   | 15  | 11.0              | 32                       | 6.7                  | 77                                     | 16.1    |
| Geneva     | 6   | 6.6               | 25                       | 7.6                  | 36                                     | 10.9    |
| Greene     | 4   | 10.5              | 16                       | 11.5                 | 23                                     | 16.5    |
| Hale       | 10  | 16.2              | 25                       | 13.5                 | 30                                     | 16.2    |
| Henry      | 2   | 3.5               | 22                       | 11.6                 | 30                                     | 15.9    |
| Houston    | 32  | 8.2               | 105                      | 7.6                  | 187                                    | 13.5    |
| Jackson    | 16  | 8.7               | 49                       | 8.0                  | 89                                     | 14.5    |
| Jefferson  | 312   | 11.2              | 1,191                    | 12.4                 | 1,196                                  | 12.4    |
| Lamar      | 5   | 9.7               | 18                       | 10.1                 | 39                                     | 21.9    |
| Lauderdale | 20  | 7.0               | 100                      | 9.8                  | 149                                    | 14.5    |
| Lawrence   | 15  | 12.4              | 41                       | 10.0                 | 68                                     | 16.6    |
| Lee        | 41  | 9.5               | 136                      | 8.8                  | 163                                    | 10.6    |
| Limestone  | 15  | 5.6               | 67                       | 7.1                  | 124                                    | 13.1    |
| Lowndes    | 7   | 12.9              | 29                       | 14.4                 | 47                                     | 23.4    |
| Macon      | 10  | 13.6              | 27                       | 10.9                 | 48                                     | 19.4    |
| Madison    | 93  | 8.0               | 434                      | 10.7                 | 401                                    | 9.9     |
| Marengo    | 7   | 8.5               | 34                       | 12.7                 | 34                                     | 12.7    |
| Marion     | 9   | 8.6               | 38                       | 10.3                 | 69                                     | 18.6    |
| Marshall   | 40  | 9.2               | 122                      | 8.0                  | 257                                    | 16.8    |
| Mobile     | 151   | 8.5               | 725                      | 11.8                 | 996                                    | 16.3    |
| Monroe     | 7   | 8.2               | 31                       | 11.7                 | 38                                     | 14.3    |
| Montgomery | 94  | 9.3               | 431                      | 12.4                 | 507                                    | 14.6    |
| Morgan     | 38  | 8.4               | 150                      | 10.3                 | 193                                    | 13.2    |
| Perry      | 6   | 12.7              | 26                       | 16.1                 | 29                                     | 18.0    |
| Pickens    | 10  | 14.0              | 27                       | 11.3                 | 28                                     | 11.7    |
| Pike       | 16  | 13.7              | 34                       | 8.1                  | 63                                     | 15.0    |
| Randolph   | 8   | 10.3              | 17                       | 6.2                  | 62                                     | 22.7    |
| Russell    | 24  | 12.1              | 76                       | 11.1                 | 130                                    | 19.0    |
| St. Clair  | 25  | 8.8               | 84                       | 7.9                  | 107                                    | 10.1    |
| Shelby     | 53  | 6.8               | 247                      | 9.5                  | 151                                    | 5.8     |
| Sumter     | 5   | 10.6              | 29                       | 17.3                 | 20                                     | 11.9    |
| Talladega  | 33  | 11.1              | 134                      | 13.3                 | 173                                    | 17.1    |
| Tallapoosa | 12  | 8.2               | 57                       | 11.1                 | 92                                     | 17.9    |
| Tuscaloosa | 70  | 10.3              | 287                      | 12.2                 | 285                                    | 12.1    |
| Walker     | 25  | 9.6               | 84                       | 9.5                  | 128                                    | 14.5    |
| Washington | 8   | 13.6              | 21                       | 10.7                 | 34                                     | 17.4    |
| Wilcox     | 6   | 10.7              | 22                       | 12.2                 | 31                                     | 17.1    |
| Winston    | 7   | 8.2               | 28                       | 9.7                  | 54                                     | 18.7    |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Births With Less Than Adequate Prenatal Care - 2006 |                      | Births With Tobacco Usage During Pregnancy - 2006 |                      | Births Occurring Outside Mother's County of Residence - 2006 |         |
|------------|---|----------------------|---|----------------------|--|---------|
|            | Number  | Percent <sup>1</sup> | Number  | Percent <sup>1</sup> | Number   | Percent |
| Alabama    | 14,390  | 23.1                 | 7,394   | 11.8                 | 20,002   | 31.8    |
| Autauga    | 122   | 19.1                 | 84  | 13.1                 | 638  | 99.2    |
| Baldwin    | 500   | 22.6                 | 329   | 14.9                 | 446  | 20.1    |
| Barbour    | 178   | 43.3                 | 29  | 7.0                  | 411  | 99.0    |
| Bibb       | 66  | 26.6                 | 41  | 16.0                 | 256  | 99.6    |
| Blount     | 90  | 13.4                 | 87  | 12.6                 | 691  | 99.7    |
| Bullock    | 77  | 38.7                 | 6   | 3.0                  | 199  | 99.0    |
| Butler     | 70  | 23.2                 | 37  | 12.2                 | 303  | 100.0   |
| Calhoun    | 379   | 25.2                 | 204   | 13.5                 | 143  | 9.5     |
| Chambers   | 92  | 23.5                 | 55  | 14.0                 | 168  | 42.6    |
| Cherokee   | 73  | 28.6                 | 49  | 19.1                 | 256  | 100.0   |
| Chilton    | 154   | 28.4                 | 101   | 18.3                 | 549  | 99.3    |
| Choctaw    | 40  | 25.3                 | 8   | 5.0                  | 159  | 100.0   |
| Clarke     | 92  | 28.2                 | 27  | 8.3                  | 134  | 41.1    |
| Clay       | 28  | 16.3                 | 34  | 19.8                 | 169  | 98.3    |
| Cleburne   | 44  | 28.4                 | 39  | 24.5                 | 158  | 99.4    |
| Coffee     | 183   | 29.5                 | 89  | 14.3                 | 200  | 32.0    |
| Colbert    | 86  | 14.0                 | 121   | 19.7                 | 217  | 35.3    |
| Conecuh    | 60  | 35.3                 | 16  | 9.4                  | 169  | 99.4    |
| Coosa      | 11  | 11.1                 | 17  | 17.2                 | 98   | 99.0    |
| Covington  | 87  | 19.0                 | 90  | 19.5                 | 75   | 16.3    |
| Crenshaw   | 49  | 29.5                 | 29  | 17.5                 | 129  | 77.7    |
| Cullman    | 112   | 11.2                 | 174   | 17.3                 | 285  | 28.4    |
| Dale       | 164   | 21.8                 | 81  | 10.7                 | 642  | 84.3    |
| Dallas     | 236   | 35.8                 | 74  | 11.2                 | 58   | 8.7     |
| DeKalb     | 435   | 44.1                 | 137   | 13.8                 | 257  | 25.8    |
| Elmore     | 221   | 22.2                 | 141   | 14.1                 | 1,000  | 99.7    |
| Escambia   | 169   | 34.3                 | 74  | 15.0                 | 317  | 64.2    |
| Etowah     | 261   | 20.2                 | 239   | 18.5                 | 378  | 29.2    |
| Fayette    | 25  | 13.7                 | 39  | 21.3                 | 183  | 100.0   |
| Franklin   | 160   | 33.4                 | 84  | 17.5                 | 226  | 47.2    |
| Geneva     | 79  | 24.0                 | 51  | 15.4                 | 331  | 100.0   |
| Greene     | 61  | 44.5                 | 9   | 6.5                  | 137  | 98.6    |
| Hale       | 59  | 33.0                 | 7   | 3.8                  | 185  | 100.0   |
| Henry      | 35  | 18.5                 | 12  | 6.3                  | 189  | 100.0   |
| Houston    | 352   | 25.6                 | 82  | 5.9                  | 44   | 3.2     |
| Jackson    | 130   | 21.4                 | 131   | 21.4                 | 278  | 45.4    |
| Jefferson  | 1,856   | 19.4                 | 714   | 7.4                  | 131  | 1.4     |
| Lamar      | 23  | 13.1                 | 45  | 25.4                 | 177  | 99.4    |
| Lauderdale | 171   | 16.7                 | 192   | 18.7                 | 257  | 25.0    |
| Lawrence   | 106   | 25.9                 | 75  | 18.3                 | 410  | 100.0   |
| Lee        | 327   | 21.3                 | 104   | 6.8                  | 359  | 23.3    |
| Limestone  | 228   | 24.2                 | 142   | 15.0                 | 503  | 52.9    |
| Lowndes    | 53  | 26.4                 | 13  | 6.5                  | 199  | 99.0    |
| Macon      | 88  | 35.5                 | 15  | 6.0                  | 244  | 98.0    |
| Madison    | 785   | 19.4                 | 374   | 9.2                  | 118  | 2.9     |
| Marengo    | 101   | 38.4                 | 15  | 5.6                  | 86   | 32.1    |
| Marion     | 62  | 16.8                 | 97  | 26.2                 | 134  | 36.2    |
| Marshall   | 539   | 35.5                 | 252   | 16.5                 | 486  | 31.8    |
| Mobile     | 1,236   | 20.3                 | 716   | 11.7                 | 85   | 1.4     |
| Monroe     | 52  | 19.8                 | 18  | 6.8                  | 76   | 28.7    |
| Montgomery | 861   | 24.8                 | 219   | 6.3                  | 47   | 1.4     |
| Morgan     | 470   | 32.4                 | 225   | 15.4                 | 232  | 15.9    |
| Perry      | 49  | 31.0                 | 11  | 6.9                  | 161  | 100.0   |
| Pickens    | 60  | 25.2                 | 34  | 14.3                 | 234  | 97.9    |
| Pike       | 117   | 28.3                 | 38  | 9.1                  | 132  | 31.5    |
| Randolph   | 70  | 26.0                 | 43  | 15.8                 | 269  | 98.5    |
| Russell    | 329   | 49.3                 | 27  | 3.9                  | 630  | 92.1    |
| St. Clair  | 169   | 16.2                 | 160   | 15.1                 | 1,059  | 99.8    |
| Shelby     | 453   | 17.6                 | 169   | 6.5                  | 2,057  | 78.9    |
| Sumter     | 45  | 27.4                 | 7   | 4.2                  | 167  | 99.4    |
| Talladega  | 160   | 16.0                 | 175   | 17.3                 | 346  | 34.2    |
| Tallapoosa | 75  | 14.7                 | 79  | 15.5                 | 176  | 34.3    |
| Tuscaloosa | 632   | 27.4                 | 254   | 10.8                 | 164  | 7.0     |
| Walker     | 114   | 13.0                 | 226   | 25.6                 | 323  | 36.5    |
| Washington | 73  | 37.4                 | 40  | 20.5                 | 195  | 99.5    |
| Wilcox     | 65  | 36.1                 | 7   | 3.9                  | 178  | 98.3    |
| Winston    | 41  | 14.2                 | 81  | 28.1                 | 289  | 100.0   |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Births to Undereducated Women - 2006 |                      | Age 65+ With "Home Bound" Disability - 2000 |         | Age 25+ With Less Than High School Education - 2000 |         |
|------------|--------------------------------------|----------------------|---|---------|---|---------|
|            | Number                               | Percent <sup>1</sup> | Number                                      | Percent | Number  | Percent |
| Alabama    | 11,648                               | 18.6                 | 139,401                                     | 24.0    | 714,081   | 24.7    |
| Autauga    | 79                                   | 12.3                 | 1,115                                       | 25.1    | 5,872   | 21.3    |
| Baldwin    | 370                                  | 16.7                 | 3,913                                       | 18.0    | 17,258  | 18.0    |
| Barbour    | 144                                  | 34.9                 | 1,106                                       | 28.6    | 6,679   | 35.3    |
| Bibb       | 57                                   | 22.2                 | 680   | 28.2    | 4,984   | 36.8    |
| Blount     | 183                                  | 26.4                 | 1,616                                       | 24.6    | 9,960   | 29.6    |
| Bullock    | 60                                   | 30.3                 | 450   | 29.2    | 2,992   | 39.5    |
| Butler     | 37                                   | 12.2                 | 1,029                                       | 29.3    | 4,439   | 32.2    |
| Calhoun    | 315                                  | 20.8                 | 3,758                                       | 23.7    | 19,318  | 26.1    |
| Chambers   | 67                                   | 17.0                 | 1,348                                       | 22.7    | 8,778   | 35.8    |
| Cherokee   | 58                                   | 22.7                 | 843   | 22.1    | 6,138   | 36.5    |
| Chilton    | 115                                  | 20.8                 | 1,455                                       | 28.5    | 8,757   | 33.8    |
| Choctaw    | 31                                   | 19.7                 | 661   | 28.3    | 3,704   | 35.0    |
| Clarke     | 42                                   | 12.9                 | 1,005                                       | 26.7    | 5,165   | 29.2    |
| Clay       | 46                                   | 26.7                 | 556   | 23.6    | 3,322   | 34.0    |
| Cleburne   | 50                                   | 31.4                 | 445   | 23.0    | 3,536   | 37.1    |
| Coffee     | 122                                  | 20.0                 | 1,556                                       | 25.2    | 7,755   | 26.8    |
| Colbert    | 119                                  | 19.4                 | 1,894                                       | 22.3    | 9,972   | 26.7    |
| Conecuh    | 23                                   | 13.6                 | 610   | 26.2    | 2,984   | 32.3    |
| Coosa      | 17                                   | 17.2                 | 518   | 29.4    | 2,831   | 34.3    |
| Covington  | 80                                   | 17.5                 | 1,793                                       | 26.6    | 8,115   | 31.6    |
| Crenshaw   | 30                                   | 18.1                 | 741   | 31.7    | 3,700   | 39.9    |
| Cullman    | 222                                  | 22.1                 | 2,996                                       | 26.4    | 15,322  | 29.6    |
| Dale       | 107                                  | 14.1                 | 1,263                                       | 21.7    | 6,976   | 22.2    |
| Dallas     | 130                                  | 19.6                 | 1,843                                       | 28.7    | 8,524   | 29.7    |
| DeKalb     | 374                                  | 37.6                 | 2,273                                       | 25.6    | 15,469  | 36.2    |
| Elmore     | 154                                  | 15.4                 | 1,550                                       | 21.9    | 9,679   | 22.4    |
| Escambia   | 97                                   | 19.6                 | 1,328                                       | 25.4    | 8,030   | 31.5    |
| Etowah     | 281                                  | 21.7                 | 4,078                                       | 24.6    | 18,115  | 25.9    |
| Fayette    | 37                                   | 20.2                 | 904   | 30.4    | 4,265   | 33.9    |
| Franklin   | 186                                  | 39.0                 | 1,190                                       | 25.7    | 7,904   | 37.9    |
| Geneva     | 64                                   | 19.4                 | 1,025                                       | 24.4    | 6,046   | 34.4    |
| Greene     | 14                                   | 10.2                 | 454   | 30.9    | 2,182   | 35.2    |
| Hale       | 19                                   | 10.4                 | 672   | 29.0    | 3,683   | 34.8    |
| Henry      | 34                                   | 18.0                 | 714   | 26.8    | 3,654   | 33.3    |
| Houston    | 236                                  | 17.1                 | 2,787                                       | 22.9    | 13,771  | 23.5    |
| Jackson    | 118                                  | 19.3                 | 2,025                                       | 28.1    | 12,006  | 33.0    |
| Jefferson  | 1,429                                | 14.8                 | 21,079                                      | 23.3    | 82,950  | 19.1    |
| Lamar      | 41                                   | 23.0                 | 591   | 23.4    | 3,759   | 34.9    |
| Lauderdale | 164                                  | 16.0                 | 2,953                                       | 22.3    | 13,915  | 23.6    |
| Lawrence   | 80                                   | 19.5                 | 1,099                                       | 26.2    | 7,872   | 34.4    |
| Lee        | 185                                  | 12.0                 | 1,967                                       | 21.1    | 11,557  | 18.6    |
| Limestone  | 227                                  | 23.9                 | 1,889                                       | 26.0    | 11,081  | 25.5    |
| Lowndes    | 25                                   | 12.4                 | 463   | 28.1    | 2,925   | 35.7    |
| Macon      | 43                                   | 17.4                 | 925   | 27.5    | 4,188   | 30.0    |
| Madison    | 527                                  | 13.0                 | 6,141                                       | 20.5    | 26,308  | 14.6    |
| Marengo    | 31                                   | 11.7                 | 766   | 23.3    | 4,020   | 28.1    |
| Marion     | 95                                   | 25.7                 | 1,329                                       | 26.9    | 7,962   | 36.8    |
| Marshall   | 663                                  | 43.9                 | 2,572                                       | 22.0    | 16,845  | 30.6    |
| Mobile     | 1,122                                | 18.3                 | 11,669                                      | 24.4    | 58,223  | 23.3    |
| Monroe     | 42                                   | 15.8                 | 877   | 26.1    | 4,939   | 32.1    |
| Montgomery | 651                                  | 18.8                 | 6,156                                       | 23.4    | 27,905  | 19.7    |
| Morgan     | 405                                  | 27.8                 | 3,434                                       | 25.1    | 17,347  | 23.7    |
| Perry      | 36                                   | 22.4                 | 469   | 26.6    | 2,625   | 37.6    |
| Pickens    | 33                                   | 13.9                 | 782   | 23.7    | 4,108   | 30.3    |
| Pike       | 88                                   | 21.0                 | 955   | 25.6    | 5,472   | 30.9    |
| Randolph   | 63                                   | 23.4                 | 739   | 20.7    | 5,618   | 38.1    |
| Russell    | 117                                  | 17.2                 | 1,844                                       | 28.2    | 10,749  | 33.5    |
| St. Clair  | 181                                  | 17.1                 | 1,677                                       | 22.1    | 12,353  | 28.7    |
| Shelby     | 277                                  | 10.6                 | 2,398                                       | 19.7    | 12,386  | 13.2    |
| Sumter     | 21                                   | 12.7                 | 621   | 30.2    | 3,077   | 35.2    |
| Talladega  | 205                                  | 20.4                 | 2,891                                       | 27.1    | 16,102  | 30.3    |
| Tallapoosa | 127                                  | 24.8                 | 1,702                                       | 24.8    | 8,489   | 29.9    |
| Tuscaloosa | 346                                  | 14.9                 | 4,452                                       | 24.0    | 20,981  | 21.2    |
| Walker     | 179                                  | 20.2                 | 2,913                                       | 27.9    | 15,713  | 32.8    |
| Washington | 23                                   | 11.8                 | 508   | 22.6    | 3,112   | 27.7    |
| Wilcox     | 32                                   | 17.7                 | 405   | 22.4    | 3,228   | 40.5    |
| Winston    | 72                                   | 24.9                 | 941   | 26.6    | 6,387   | 37.4    |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Persons Receiving Medicare Disability - 2003 |         | Obesity – Percent of Population in 2003 |         | Accidental Deaths Occurring Outside of a Health Care Facility (2003-2005) |                      |
|------------|--|---------|---|---------|---|----------------------|
|            | Number                                       | Percent | Number                                  | Percent | Number  | Percent <sup>1</sup> |
| Alabama    | 150,573                                      | 3.3     | 1,073,329                               | 23.9    | 3,621   | 52.2                 |
| Autauga    | 1,209  | 2.6     | 10,776                                  | 23.3    | 39  | 52.7                 |
| Baldwin    | 3,839  | 2.5     | 34,287                                  | 22.6    | 133   | 48.0                 |
| Barbour    | 1,092  | 3.8     | 7,296                                   | 25.4    | 20  | 46.5                 |
| Bibb       | 974  | 4.6     | 4,971                                   | 23.5    | 32  | 58.2                 |
| Blount     | 1,300  | 2.4     | 12,178                                  | 22.5    | 57  | 62.6                 |
| Bullock    | 504  | 4.5     | 3,092                                   | 27.4    | 8   | 50.0                 |
| Butler     | 952  | 4.6     | 5,155                                   | 24.9    | 26  | 55.3                 |
| Calhoun    | 5,301  | 4.7     | 26,055                                  | 23.3    | 115   | 57.8                 |
| Chambers   | 1,497  | 4.2     | 8,823                                   | 24.7    | 28  | 45.9                 |
| Cherokee   | 854  | 3.5     | 5,437                                   | 22.3    | 23  | 57.5                 |
| Chilton    | 1,307  | 3.2     | 9,291                                   | 22.7    | 65  | 67.0                 |
| Choctaw    | 800  | 5.2     | 3,870                                   | 25.3    | 28  | 77.8                 |
| Clarke     | 1,150  | 4.2     | 6,926                                   | 25.3    | 38  | 65.5                 |
| Clay       | 610  | 4.3     | 3,245                                   | 22.9    | 9   | 37.5                 |
| Cleburne   | 646  | 4.4     | 3,181                                   | 21.8    | 18  | 60.0                 |
| Coffee     | 1,366  | 3.1     | 10,440                                  | 23.5    | 25  | 50.0                 |
| Colbert    | 2,302  | 4.2     | 12,595                                  | 23.1    | 35  | 43.8                 |
| Conecuh    | 725  | 5.4     | 3,422                                   | 25.3    | 18  | 62.1                 |
| Coosa      | 621  | 5.4     | 2,824                                   | 24.5    | 22  | 81.5                 |
| Covington  | 1,583  | 4.3     | 8,334                                   | 22.6    | 41  | 57.7                 |
| Crenshaw   | 568  | 4.2     | 3,228                                   | 23.7    | 11  | 37.9                 |
| Cullman    | 2,400  | 3.1     | 17,169                                  | 21.9    | 97  | 67.4                 |
| Dale       | 2,314  | 4.7     | 11,616                                  | 23.6    | 35  | 53.0                 |
| Dallas     | 2,302  | 5.1     | 12,079                                  | 26.9    | 35  | 44.3                 |
| DeKalb     | 2,351  | 3.5     | 14,725                                  | 22.2    | 64  | 49.6                 |
| Elmore     | 2,167  | 3.1     | 16,481                                  | 23.4    | 54  | 51.4                 |
| Escambia   | 1,476  | 3.9     | 9,321                                   | 24.4    | 55  | 63.2                 |
| Etowah     | 4,508  | 4.4     | 23,559                                  | 22.9    | 66  | 39.1                 |
| Fayette    | 731  | 4.0     | 4,145                                   | 22.7    | 26  | 61.9                 |
| Franklin   | 1,320  | 4.3     | 6,867                                   | 22.3    | 33  | 49.3                 |
| Geneva     | 1,118  | 4.4     | 5,763                                   | 22.6    | 31  | 54.4                 |
| Greene     | 461  | 4.7     | 2,782                                   | 28.3    | 14  | 93.3                 |
| Hale       | 825  | 4.5     | 4,810                                   | 26.4    | 23  | 69.7                 |
| Henry      | 631  | 3.8     | 4,003                                   | 24.4    | 19  | 61.3                 |
| Houston    | 2,416  | 2.6     | 21,658                                  | 23.7    | 37  | 35.6                 |
| Jackson    | 1,978  | 3.7     | 12,060                                  | 22.4    | 53  | 51.0                 |
| Jefferson  | 21,625                                       | 3.3     | 163,895                                 | 24.9    | 460   | 48.3                 |
| Lamar      | 702  | 4.6     | 3,425                                   | 22.6    | 15  | 65.2                 |
| Lauderdale | 3,134  | 3.6     | 19,574                                  | 22.5    | 51  | 39.8                 |
| Lawrence   | 1,074  | 3.1     | 8,071                                   | 23.4    | 44  | 56.4                 |
| Lee        | 2,465  | 2.1     | 27,816                                  | 23.4    | 64  | 57.1                 |
| Limestone  | 1,778  | 2.6     | 15,661                                  | 23.0    | 58  | 52.3                 |
| Lowndes    | 507  | 3.8     | 3,679                                   | 27.6    | 21  | 56.8                 |
| Macon      | 781  | 3.3     | 6,716                                   | 28.7    | 24  | 55.8                 |
| Madison    | 5,431  | 1.9     | 69,239                                  | 23.9    | 150   | 45.6                 |
| Marengo    | 862  | 3.9     | 5,731                                   | 25.9    | 20  | 47.6                 |
| Marion     | 1,284  | 4.3     | 6,671                                   | 22.1    | 34  | 48.6                 |
| Marshall   | 3,083  | 3.7     | 18,492                                  | 22.0    | 57  | 44.5                 |
| Mobile     | 12,197                                       | 3.1     | 97,728                                  | 24.5    | 310   | 52.4                 |
| Monroe     | 889  | 3.7     | 5,671                                   | 23.9    | 28  | 62.2                 |
| Montgomery | 6,378  | 2.9     | 56,530                                  | 25.5    | 126   | 49.2                 |
| Morgan     | 3,367  | 3.0     | 25,811                                  | 22.9    | 66  | 40.0                 |
| Perry      | 487  | 4.2     | 3,140                                   | 27.0    | 28  | 84.8                 |
| Pickens    | 929  | 4.5     | 5,137                                   | 25.1    | 25  | 56.8                 |
| Pike       | 1,180  | 4.1     | 7,151                                   | 24.6    | 33  | 55.9                 |
| Randolph   | 869  | 3.9     | 5,226                                   | 23.4    | 25  | 49.0                 |
| Russell    | 1,851  | 3.8     | 12,260                                  | 25.1    | 46  | 71.9                 |
| St. Clair  | 2,029  | 3.0     | 15,469                                  | 22.6    | 49  | 53.8                 |
| Shelby     | 2,661  | 1.7     | 36,182                                  | 22.7    | 101   | 56.1                 |
| Sumter     | 595  | 4.2     | 3,890                                   | 27.5    | 16  | 72.7                 |
| Talladega  | 4,300  | 5.4     | 19,326                                  | 24.2    | 65  | 59.1                 |
| Tallapoosa | 1,749  | 4.3     | 9,656                                   | 23.7    | 23  | 42.6                 |
| Tuscaloosa | 5,539  | 3.3     | 39,788                                  | 24.0    | 101   | 50.8                 |
| Walker     | 3,880  | 5.5     | 15,614                                  | 22.3    | 82  | 55.0                 |
| Washington | 764  | 4.3     | 4,362                                   | 24.4    | 18  | 72.0                 |
| Wilcox     | 781  | 6.0     | 3,550                                   | 27.4    | 18  | 66.7                 |
| Winston    | 1,152  | 4.7     | 5,404                                   | 22.0    | 30  | 63.8                 |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| County     | Life Expectancy at Birth- 2005<br>(years) | Sexually Transmitted Diseases Cases -<br>2006 |                 | Cumulative HIV Cases – as of<br>12/31/2006 |                              |
|------------|---|---|-----------------|--|------------------------------|
|            |   | Cases   | Rate per 10,000 | Cases                                      | Rate per 10,000 <sup>1</sup> |
| Alabama    | 74.8                                      | 33,463  | 73.6            | 14,737                                     | 32.4                         |
| Autauga    | 75.0                                      | 248   | 51.2            | 102  | 21.1                         |
| Baldwin    | 77.1                                      | 560   | 34.4            | 356  | 21.9                         |
| Barbour    | 72.9                                      | 273   | 96.5            | 119  | 42.1                         |
| Bibb       | 71.7                                      | 106   | 49.4            | 20   | 9.3                          |
| Blount     | 75.7                                      | 75  | 13.5            | 40   | 7.2                          |
| Bullock    | 71.4                                      | 123   | 111.7           | 51   | 46.3                         |
| Butler     | 71.5                                      | 240   | 116.3           | 46   | 22.3                         |
| Calhoun    | 72.5                                      | 821   | 73.1            | 270  | 24.1                         |
| Chambers   | 74.0                                      | 302   | 85.4            | 121  | 34.2                         |
| Cherokee   | 74.2                                      | 63  | 25.6            | 15   | 6.1                          |
| Chilton    | 73.9                                      | 152   | 36.5            | 41   | 9.8                          |
| Choctaw    | 75.0                                      | 72  | 48.9            | 29   | 19.7                         |
| Clarke     | 75.3                                      | 299   | 110.4           | 41   | 15.1                         |
| Clay       | 75.7                                      | 90  | 64.7            | 17   | 12.2                         |
| Cleburne   | 74.6                                      | 37  | 25.5            | 19   | 13.1                         |
| Coffee     | 75.6                                      | 321   | 70.6            | 78   | 17.2                         |
| Colbert    | 75.1                                      | 430   | 78.8            | 63   | 11.5                         |
| Conecuh    | 71.7                                      | 78  | 59.0            | 47   | 35.5                         |
| Coosa      | 72.3                                      | 60  | 53.9            | 16   | 14.4                         |
| Covington  | 73.1                                      | 138   | 37.3            | 58   | 15.7                         |
| Crenshaw   | 75.9                                      | 59  | 43.4            | 35   | 25.7                         |
| Cullman    | 74.6                                      | 109   | 13.7            | 63   | 7.9                          |
| Dale       | 75.8                                      | 353   | 72.8            | 121  | 25.0                         |
| Dallas     | 71.6                                      | 652   | 147.6           | 177  | 40.1                         |
| DeKalb     | 74.5                                      | 171   | 25.4            | 55   | 8.2                          |
| Elmore     | 76.0                                      | 395   | 53.6            | 167  | 22.6                         |
| Escambia   | 72.8                                      | 238   | 62.8            | 92   | 24.3                         |
| Etowah     | 73.3                                      | 700   | 68.0            | 182  | 17.7                         |
| Fayette    | 76.3                                      | 52  | 28.6            | 13   | 7.1                          |
| Franklin   | 74.0                                      | 102   | 33.2            | 18   | 5.9                          |
| Geneva     | 73.9                                      | 85  | 33.2            | 42   | 16.4                         |
| Greene     | 73.7                                      | 121   | 125.2           | 35   | 36.2                         |
| Hale       | 73.2                                      | 316   | 173.6           | 28   | 15.4                         |
| Henry      | 73.6                                      | 105   | 63.4            | 38   | 22.9                         |
| Houston    | 76.4                                      | 742   | 79.0            | 364  | 38.7                         |
| Jackson    | 74.1                                      | 103   | 19.3            | 33   | 6.2                          |
| Jefferson  | 74.3                                      | 6,851   | 104.4           | 4,263                                      | 65.0                         |
| Lamar      | 77.2                                      | 36  | 24.2            | 11   | 7.4                          |
| Lauderdale | 76.1                                      | 520   | 59.5            | 86   | 9.8                          |
| Lawrence   | 72.8                                      | 96  | 27.8            | 19   | 5.5                          |
| Lee        | 76.4                                      | 676   | 54.9            | 228  | 18.5                         |
| Limestone  | 75.1                                      | 252   | 35.8            | 167  | 23.7                         |
| Lowndes    | 71.5                                      | 163   | 125.8           | 60   | 46.3                         |
| Macon      | 70.7                                      | 251   | 110.7           | 127  | 56.0                         |
| Madison    | 77.1                                      | 1,730   | 58.0            | 688  | 23.1                         |
| Marengo    | 73.1                                      | 217   | 99.4            | 31   | 14.2                         |
| Marion     | 74.9                                      | 70  | 23.3            | 30   | 10.0                         |
| Marshall   | 74.1                                      | 164   | 19.1            | 99   | 11.5                         |
| Mobile     | 74.0                                      | 4,629   | 115.8           | 2,381                                      | 59.5                         |
| Monroe     | 73.6                                      | 161   | 68.4            | 48   | 20.4                         |
| Montgomery | 75.3                                      | 3,599   | 163.0           | 1,746                                      | 79.1                         |
| Morgan     | 75.1                                      | 477   | 41.9            | 175  | 15.4                         |
| Perry      | 71.8                                      | 115   | 101.7           | 31   | 27.4                         |
| Pickens    | 74.3                                      | 155   | 77.0            | 38   | 18.9                         |
| Pike       | 71.4                                      | 367   | 124.4           | 125  | 42.4                         |
| Randolph   | 75.9                                      | 92  | 40.8            | 35   | 15.5                         |
| Russell    | 74.6                                      | 314   | 63.6            | 185  | 37.5                         |
| St. Clair  | 74.8                                      | 236   | 32.7            | 75   | 10.4                         |
| Shelby     | 77.6                                      | 314   | 18.3            | 155  | 9.0                          |
| Sumter     | 77.4                                      | 213   | 154.8           | 40   | 29.1                         |
| Talladega  | 74.4                                      | 665   | 83.0            | 187  | 23.3                         |
| Tallapoosa | 74.0                                      | 264   | 64.8            | 78   | 19.2                         |
| Tuscaloosa | 75.3                                      | 1,446   | 85.9            | 411  | 24.4                         |
| Walker     | 71.6                                      | 297   | 42.4            | 104  | 14.9                         |
| Washington | 76.5                                      | 93  | 52.5            | 28   | 15.8                         |
| Wilcox     | 74.7                                      | 170   | 131.7           | 25   | 19.4                         |
| Winston    | 74.1                                      | 39  | 15.9            | 16   | 6.5                          |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

### Data for Counties

| <b>Families Served by the Division of Substance Abuse Services<br/>in the Ala. Department of Mental Health - FY 2004</b> |        |                      |
|--|--------|----------------------|
| <b>County</b>  | Number | Percent <sup>1</sup> |
| Alabama  | 20,881 | 1.7                  |
| Autauga  | 207    | 1.7                  |
| Baldwin  | 625    | 1.5                  |
| Barbour  | 98     | 1.3                  |
| Bibb   | 102    | 1.8                  |
| Blount   | 120    | 0.8                  |
| Bullock  | 19     | 0.7                  |
| Butler   | 59     | 1.0                  |
| Calhoun  | 476    | 1.5                  |
| Chambers   | 75     | 0.7                  |
| Cherokee   | 152    | 2.1                  |
| Chilton  | 111    | 1.0                  |
| Choctaw  | 18     | 0.4                  |
| Clarke   | 32     | 0.4                  |
| Clay   | 29     | 0.7                  |
| Cleburne   | 30     | 0.7                  |
| Coffee   | 191    | 1.5                  |
| Colbert  | 230    | 1.4                  |
| Conecuh  | 21     | 0.5                  |
| Coosa  | 243    | 7.0                  |
| Covington  | 175    | 1.6                  |
| Crenshaw   | 41     | 1.0                  |
| Cullman  | 404    | 1.8                  |
| Dale   | 123    | 0.9                  |
| Dallas   | 231    | 1.8                  |
| DeKalb   | 343    | 1.8                  |
| Elmore   | 327    | 1.9                  |
| Escambia   | 167    | 1.7                  |
| Etowah   | 293    | 1.0                  |
| Fayette  | 144    | 2.7                  |
| Franklin   | 209    | 2.3                  |
| Geneva   | 80     | 1.1                  |
| Greene   | 41     | 1.5                  |
| Hale   | 50     | 1.1                  |
| Henry  | 77     | 1.6                  |
| Houston  | 403    | 1.6                  |
| Jackson  | 295    | 1.9                  |
| Jefferson  | 5,887  | 3.3                  |
| Lamar  | 108    | 2.3                  |
| Lauderdale   | 359    | 1.4                  |
| Lawrence   | 85     | 0.8                  |
| Lee  | 456    | 1.7                  |
| Limestone  | 98     | 0.5                  |
| Lowndes  | 35     | 1.0                  |
| Macon  | 22     | 0.4                  |
| Madison  | 719    | 0.9                  |
| Marengo  | 65     | 1.0                  |
| Marion   | 176    | 1.9                  |
| Marshall   | 442    | 1.8                  |
| Mobile   | 1,401  | 1.3                  |
| Monroe   | 61     | 0.9                  |
| Montgomery   | 1,063  | 1.9                  |
| Morgan   | 643    | 2.0                  |
| Perry  | 30     | 1.0                  |
| Pickens  | 116    | 2.0                  |
| Pike   | 135    | 1.8                  |
| Randolph   | 63     | 1.0                  |
| Russell  | 179    | 1.3                  |
| St. Clair  | 198    | 1.1                  |
| Shelby   | 505    | 1.2                  |
| Sumter   | 29     | 0.8                  |
| Talladega  | 282    | 1.3                  |
| Tallapoosa   | 87     | 0.7                  |
| Tuscaloosa   | 926    | 2.2                  |
| Walker   | 306    | 1.5                  |
| Washington   | 14     | 0.3                  |
| Wilcox   | 46     | 1.4                  |
| Winston  | 104    | 1.4                  |

<sup>1</sup> Caution should be used in using rates, percentages, etc. based upon fewer than 16 events. Statistical stability may be missing.

## Sources of Information and Special Notes

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**Medicaid Eligible Population - 2006 (page 6):** Alabama Medicaid Agency, Alabama Medicaid Statistics by County – 2006. [http://www.medicaid.alabama.gov/resources/stats\\_reports.aspx?tab=5](http://www.medicaid.alabama.gov/resources/stats_reports.aspx?tab=5)

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**Dentists in 2003 (page 7):** Board of Dental Examiners of Alabama, Licensed dentists data base - 2003.

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**Hospital Beds in 2007 (page 8):** Alabama Department of Public Health, Division of Provider Services, Healthcare Facilities Directory – Hospital Section. October 4, 2007. [http://ph.state.al.us/facilitiesdirectory/\(S\(ikg10gmphl4ih5550hmu4t45\)\)/Default.aspx](http://ph.state.al.us/facilitiesdirectory/(S(ikg10gmphl4ih5550hmu4t45))/Default.aspx)

**Households With No Vehicle in 2000 (page 8):** U.S. Census Bureau, American FactFinder, Census 2000 Summary File 3 (SF 3) Sample Data, Table H44 - Tenure by Vehicles Available.

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**Life Expectancy at Birth - 2005 (page 22):** Alabama Department of Public Health, Center for Health Statistics, County Health Profiles – 2005. <http://www.adph.org/healthstats/Default.asp?id=1521>

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**Cumulative HIV Cases as of 12/31/2006 (page 22):** Alabama Department of Public Health, Division of HIV/AIDS Prevention and Control, Statistics, Public Health Area (January – December 2006). <http://www.adph.org/aids/Default.asp?id=984>  
(National data for the cumulative number of HIV cases as of December 31, 2006 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.)

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# **APPENDIX C:**

## **Selected Indicators of Health Status in Alabama**

Detailed information of five of Alabama's leading causes of death:

Heart Diseases

Cancer

Cerebrovascular Diseases (Stroke)

Accidents

Diabetes

October 2007

## **What Is Considered to be Rural In This Publication?**

There are several differing definitions for “rural” with most definitions being specific to programs or initiatives. “Rural” is not a concrete term. Opinions on what is considered as rural tend to change between geographical areas and over time. For additional information on what areas are considered as being “rural” for the various federal programs, visit the Rural Assistance Center at <http://maps.rupri.org/circ/racrural/amirural.asp> where an address can be entered to determine rural status for each program.

This publication considers entire counties as being “rural” or “urban” since most data of interest for studies is available at the county level, but not at sub-county levels. Counties are assigned a score using four major indicators of rurality in this definition. These are population per square mile, the size and number of cities in a county, percentage of total employment comprised by employment in public education, and per capita agricultural sales. For additional information on the determination of which counties are considered “rural,” please visit the “What Is Rural?” section at the Alabama Rural Health Association’s Web site, [www.arhaonline.org](http://www.arhaonline.org).

This publication also presents information on the eight regions established through the Alabama Rural Action Commission, the Black Belt Action Commission, Alabama’s Appalachian Region counties, Alabama’s Delta Region counties, Alabama’s “rural” counties, and Alabama’s “urban” counties. In addition, “rural” counties are further classified and presented as being “highly” or “moderately” rural according to their score. “Rural” counties are also classified and presented as being in “rural south” or “rural north” Alabama because of great demographic and health status variation in these portions of the state.

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## **Indicators of Health Status in Alabama:** **HEART DISEASES MORTALITY**

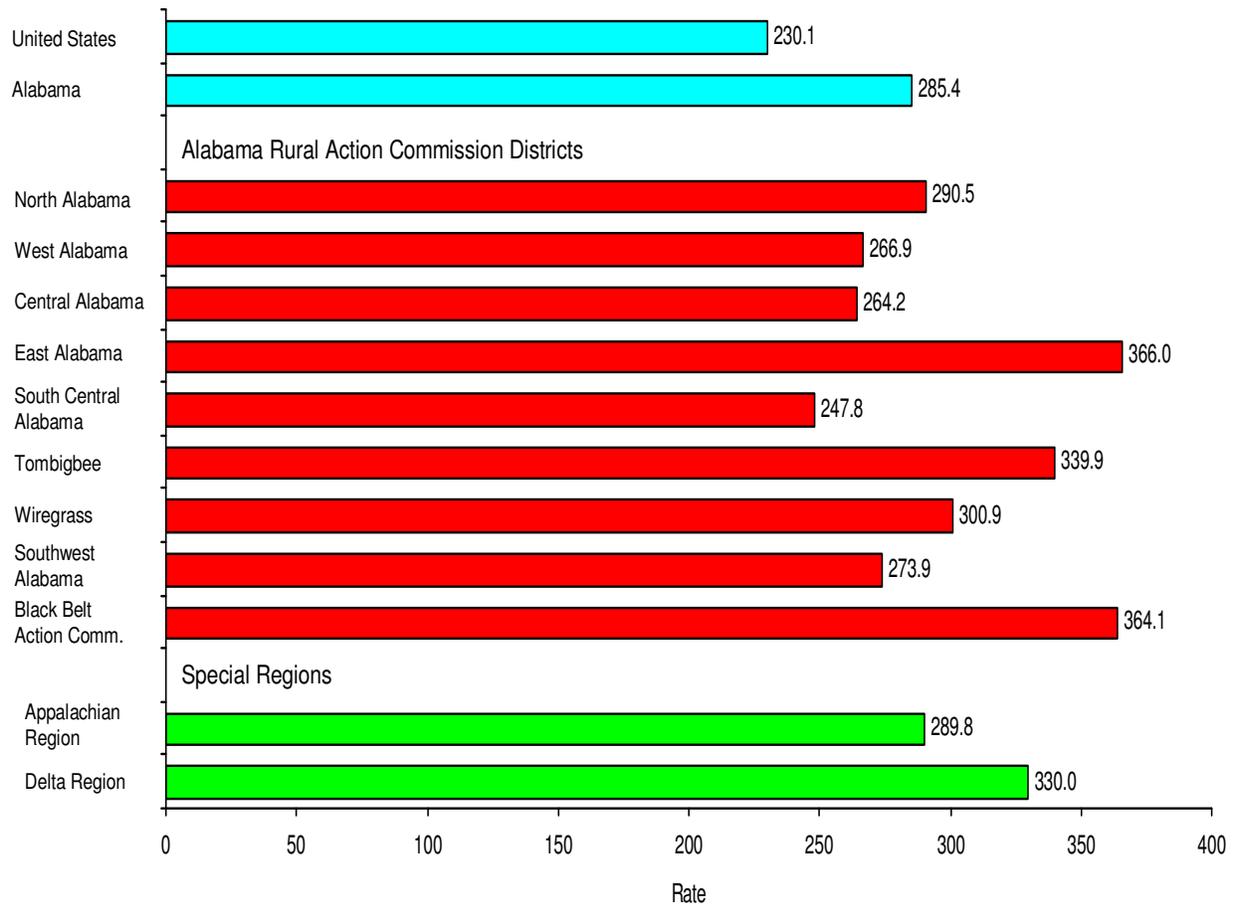
Heart disease usually occurs in individuals who:

- have high blood pressure.
- have high blood cholesterol.
- are physically inactive.
- smoke or are exposed to environmental tobacco smoke.
- are obese.
- have high low density (LDL) cholesterol.
- have low high density (HDL) cholesterol.
- have a family history of early heart disease (before age 55).

To prevent or delay the complications of heart disease, persons with heart disease should:

- control high blood pressure.
- reduce dietary fat, saturated fat, trans fat, and cholesterol to lower blood levels of cholesterol.
- participate in moderate physical activity four to five times a week.
- avoid or eliminate cigarette smoking, including environmental tobacco smoke.
- maintain blood sugar levels within normal ranges.
- eat five or more servings of fruits and vegetables daily.
- eat 6 to 11 servings daily of breads, cereals, rice, pastas, and other grain products.
- manage diet and physical activity to maintain a healthy weight.
- lose excess weight, be physically active, and avoid smoking to increase blood HDL levels.
- lose excess weight and reduce dietary fat to reduce blood LDL levels.
- visit physician regularly and take medication as directed.

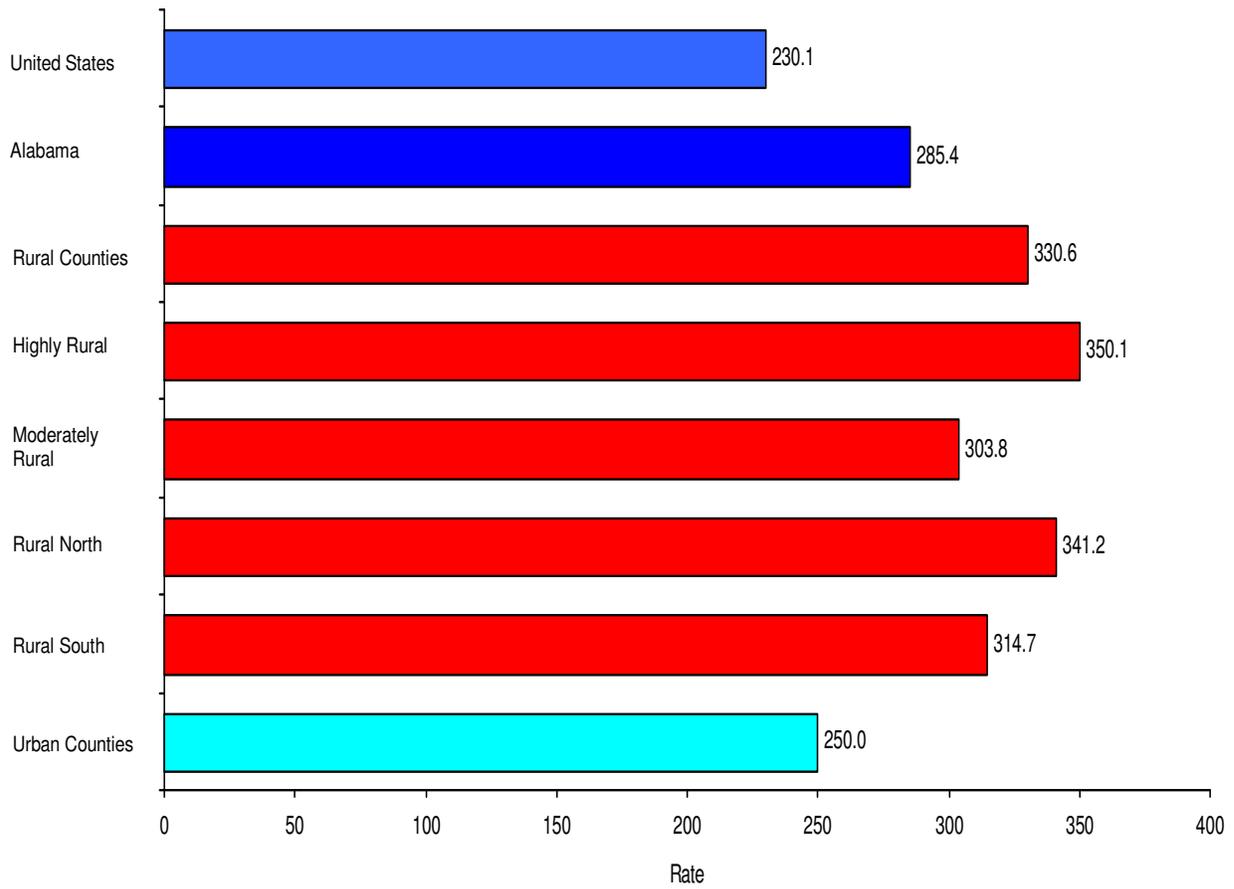
**Heart Diseases Mortality Rates for 2003-2005**  
**U.S., Alabama, Alabama Rural Action Commission Districts, and Special Regions In Alabama**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

-  Heart Diseases have been the leading cause of death in Alabama since 1926.
-  Alabama currently has the 5<sup>th</sup> highest heart disease mortality rate among all 50 states. Alabamians aged 35-54 years have the 2<sup>nd</sup> highest heart disease mortality rate among all 50 states.
-  Alabama lost 38,683 residents to heart diseases during 2003-2005.
-  47 of the 50 Alabama counties with the highest heart disease mortality rates are rural counties.

**Heart Diseases Mortality Rates  
U.S. and Selected Alabama Areas, 2003-2005**

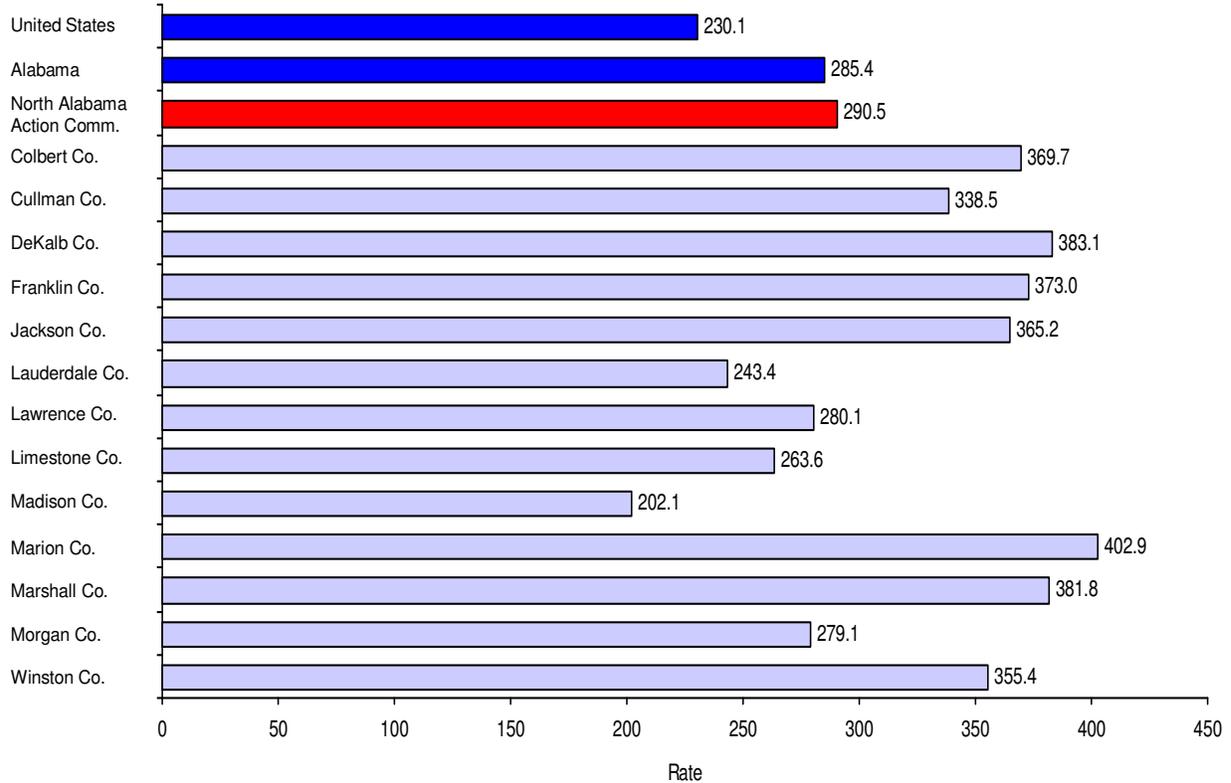


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
U.S. and Selected Alabama Areas, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths         | Rate Per 100,000 |
|--|-----------------------|----------------|------------------|
| <b>United States</b>                     | <b>Not Applicable</b> | <b>675,562</b> | <b>230.1</b>     |
| <b>Alabama</b>                           | <b>Not Applicable</b> | <b>38,683</b>  | <b>285.4</b>     |
| <b>Rural Alabama Counties</b>            | <b>Not Applicable</b> | <b>19,704</b>  | <b>330.6</b>     |
| <b>Highly Rural Alabama Counties</b>     | <b>Not Applicable</b> | <b>12,093</b>  | <b>350.1</b>     |
| <b>Moderately Rural Alabama Counties</b> | <b>Not Applicable</b> | <b>7,611</b>   | <b>303.8</b>     |
| <b>Rural North Alabama Counties</b>      | <b>Not Applicable</b> | <b>12,225</b>  | <b>341.2</b>     |
| <b>Rural South Alabama Counties</b>      | <b>Not Applicable</b> | <b>7,479</b>   | <b>314.7</b>     |
| <b>Urban Alabama Counties</b>            | <b>Not Applicable</b> | <b>18,979</b>  | <b>250.0</b>     |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the North Alabama Action Commission Counties, 2003-2005**

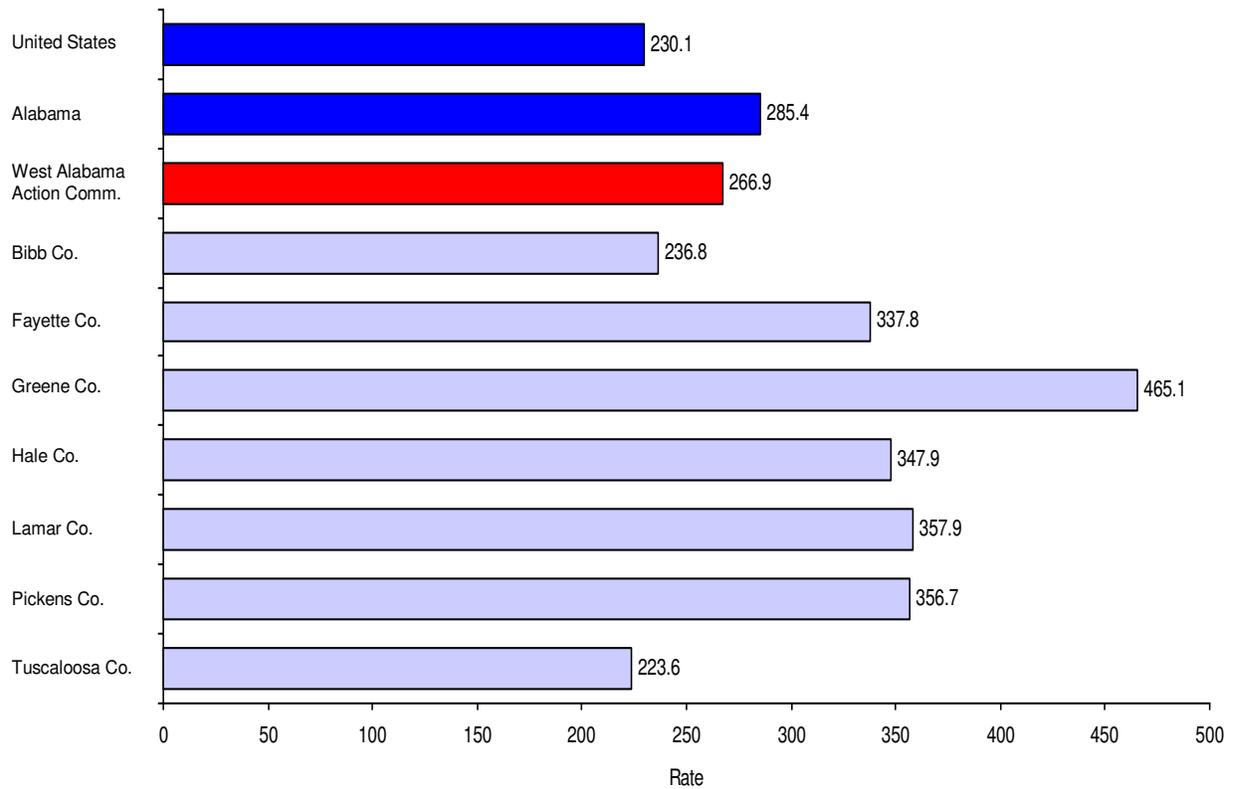


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
North Alabama Action Commission Counties, 2003 – 2005**

| Area                                   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>North Alabama Action Commission</b> | <b>Not Applicable</b> | <b>8,903</b> | <b>290.5</b>     |
| District's Rural Counties Combined     | Not Applicable        | 5,541        | 349.9            |
| District's Urban Counties Combined     | Not Applicable        | 3,362        | 227.0            |
| Colbert County                         | Yes                   | 606          | 369.7            |
| Cullman County                         | Yes                   | 803          | 338.5            |
| DeKalb County                          | Yes                   | 769          | 383.1            |
| Franklin County                        | Yes                   | 343          | 373.0            |
| Jackson County                         | Yes                   | 588          | 365.2            |
| Lauderdale County                      | No                    | 638          | 243.4            |
| Lawrence County                        | Yes                   | 289          | 280.1            |
| Limestone County                       | Yes                   | 547          | 263.6            |
| Madison County                         | No                    | 1,779        | 202.1            |
| Marion County                          | Yes                   | 364          | 402.9            |
| Marshall County                        | Yes                   | 971          | 381.8            |
| Morgan County                          | No                    | 945          | 279.1            |
| Winston County                         | Yes                   | 261          | 355.4            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the West Alabama Action Commission Counties, 2003-2005**

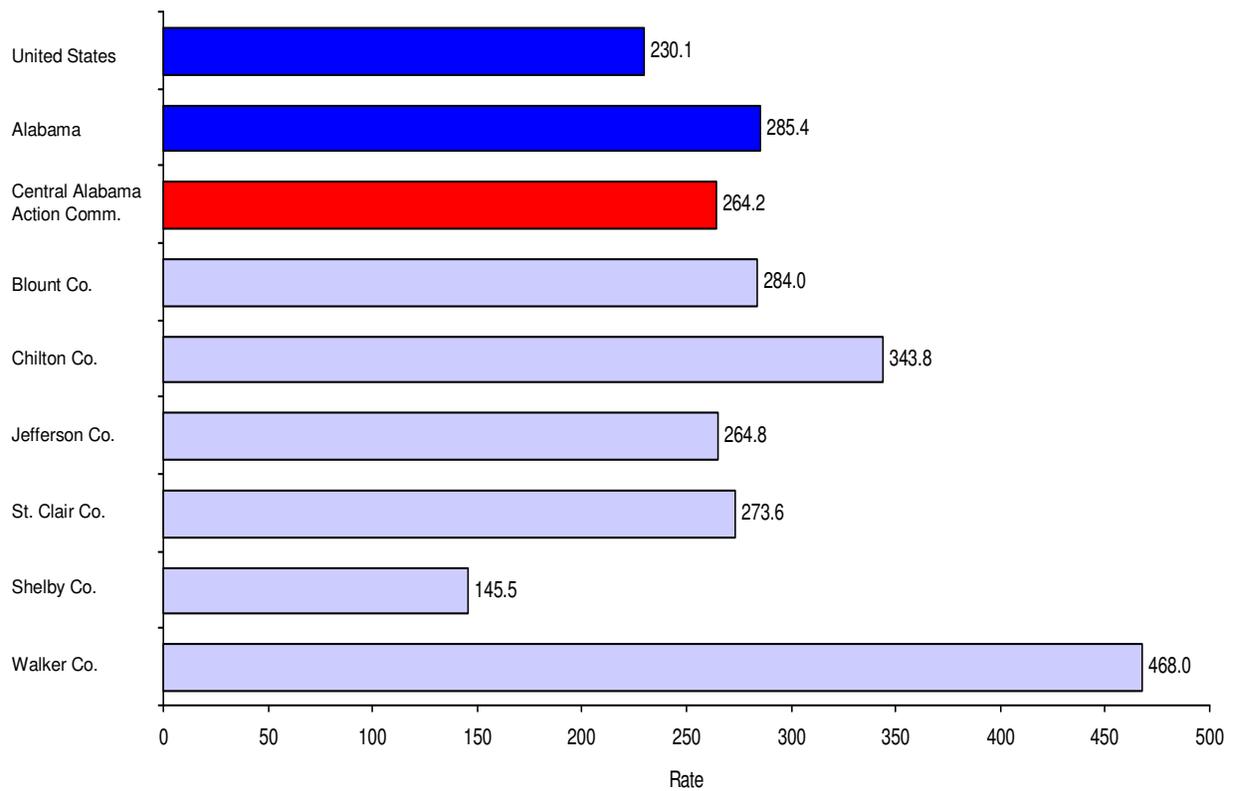


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
West Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths       | Rate Per 100,000 |
|---------------------------------------|-----------------------|--------------|------------------|
| <b>West Alabama Action Commission</b> | <b>Not Applicable</b> | <b>2,156</b> | <b>266.9</b>     |
| District's Rural Counties Combined    | Not Applicable        | 1,037        | 337.3            |
| District's Urban Counties Combined    | Not Applicable        | 1,119        | 223.6            |
| Bibb County                           | Yes                   | 151          | 236.8            |
| Fayette County                        | Yes                   | 184          | 337.8            |
| Greene County                         | Yes                   | 135          | 465.1            |
| Hale County                           | Yes                   | 189          | 347.9            |
| Lamar County                          | Yes                   | 161          | 357.9            |
| Pickens County                        | Yes                   | 217          | 356.7            |
| Tuscaloosa County                     | No                    | 1,119        | 223.6            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the Central Alabama Action Commission Counties, 2003-2005**

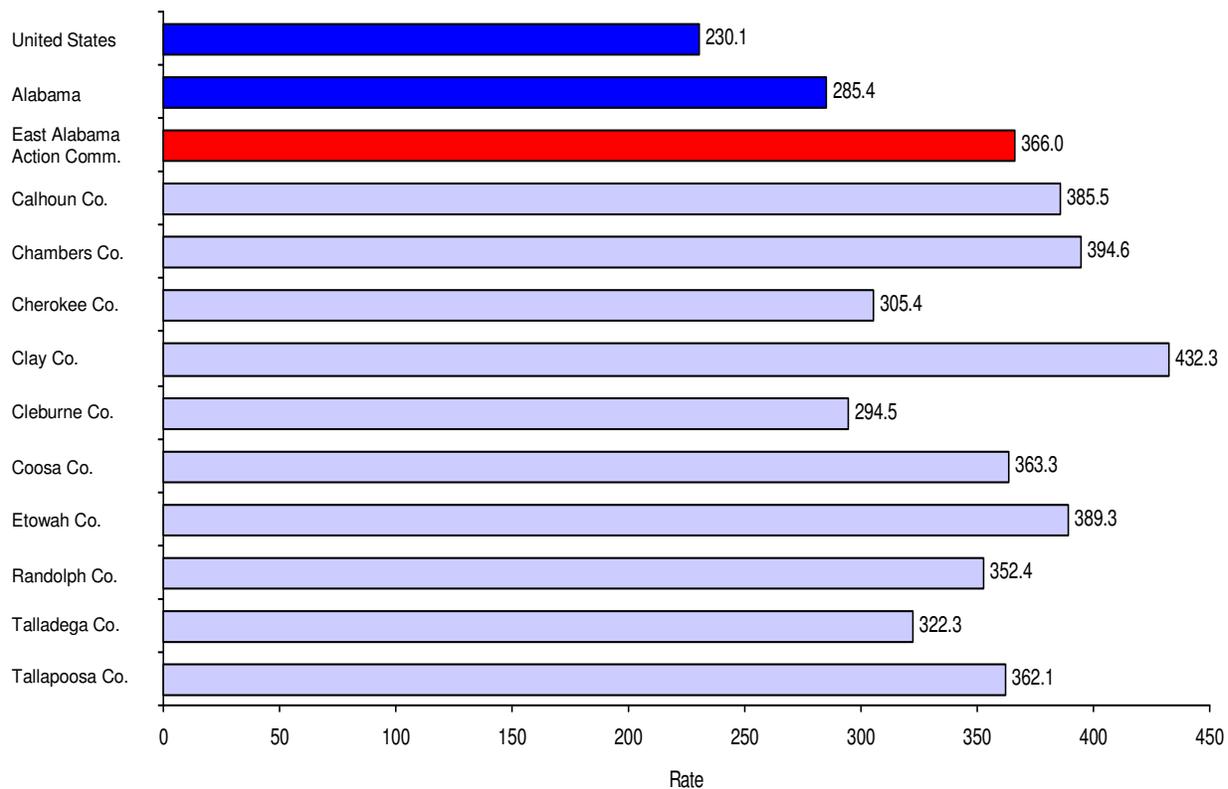


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
Central Alabama Action Commission Counties, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>8,394</b> | <b>264.2</b>     |
| District's Rural Counties Combined       | Not Applicable        | 2,450        | 345.7            |
| District's Urban Counties Combined       | Not Applicable        | 5,944        | 240.8            |
| Blount County                            | Yes                   | 468          | 284.0            |
| Chilton County                           | Yes                   | 426          | 343.8            |
| Jefferson County                         | No                    | 5,222        | 264.8            |
| St. Clair County                         | Yes                   | 576          | 273.6            |
| Shelby County                            | No                    | 722          | 145.5            |
| Walker County                            | Yes                   | 980          | 468.0            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the East Alabama Action Commission Counties, 2003-2005**

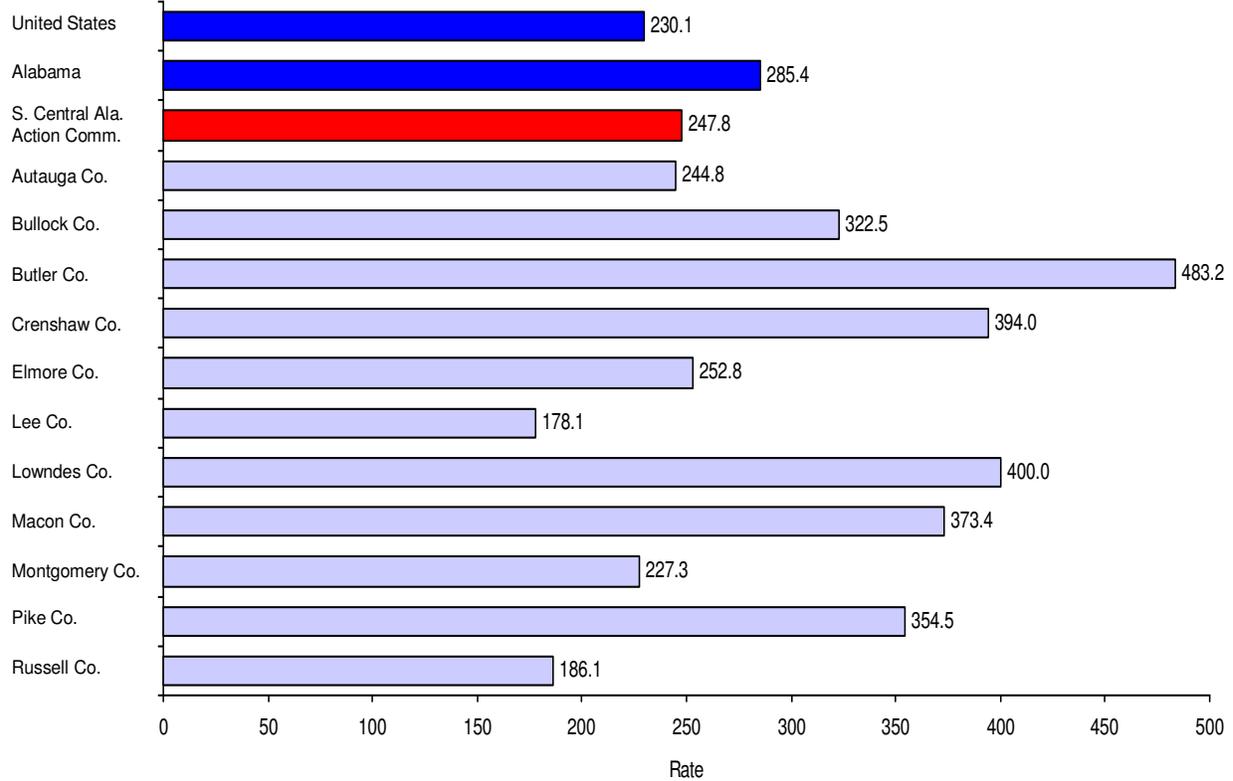


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
East Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths       | Rate Per 100,000 |
|---------------------------------------|-----------------------|--------------|------------------|
| <b>East Alabama Action Commission</b> | <b>Not Applicable</b> | <b>5,026</b> | <b>366.0</b>     |
| District's Rural Counties Combined    | Not Applicable        | 2,530        | 347.2            |
| District's Urban Counties Combined    | Not Applicable        | 2,496        | 387.3            |
| Calhoun County                        | No                    | 1,294        | 385.5            |
| Chambers County                       | Yes                   | 420          | 394.6            |
| Cherokee County                       | Yes                   | 224          | 305.4            |
| Clay County                           | Yes                   | 182          | 432.3            |
| Cleburne County                       | Yes                   | 128          | 294.5            |
| Coosa County                          | Yes                   | 123          | 363.3            |
| Etowah County                         | No                    | 1,202        | 389.3            |
| Randolph County                       | Yes                   | 238          | 352.4            |
| Talladega County                      | Yes                   | 773          | 322.3            |
| Tallapoosa County                     | Yes                   | 442          | 362.1            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the South Central Alabama Action Commission Counties, 2003-2005**

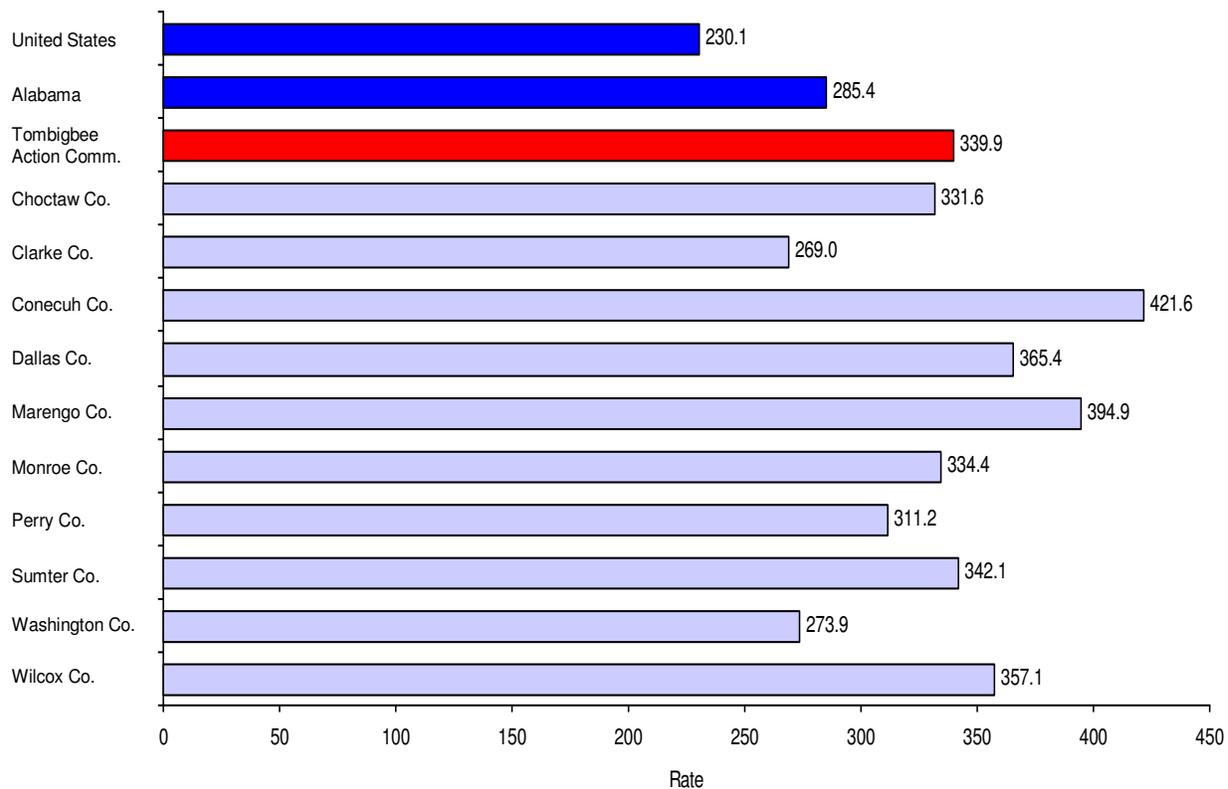


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
South Central Alabama Action Commission Counties, 2003 – 2005**

| Area   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>South Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>4,611</b> | <b>247.8</b>     |
| District's Rural Counties Combined             | Not Applicable        | 2,461        | 294.0            |
| District's Urban Counties Combined             | Not Applicable        | 2,150        | 210.0            |
| Autauga County                                 | Yes                   | 348          | 244.8            |
| Bullock County                                 | Yes                   | 108          | 322.5            |
| Butler County                                  | Yes                   | 299          | 483.2            |
| Crenshaw County                                | Yes                   | 161          | 394.0            |
| Elmore County                                  | Yes                   | 544          | 252.8            |
| Lee County                                     | No                    | 643          | 178.1            |
| Lowndes County                                 | Yes                   | 157          | 400.0            |
| Macon County                                   | Yes                   | 258          | 373.4            |
| Montgomery County                              | No                    | 1,507        | 227.3            |
| Pike County                                    | Yes                   | 312          | 354.5            |
| Russell County                                 | Yes                   | 274          | 186.1            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the Tombigbee Action Commission Counties, 2003-2005**

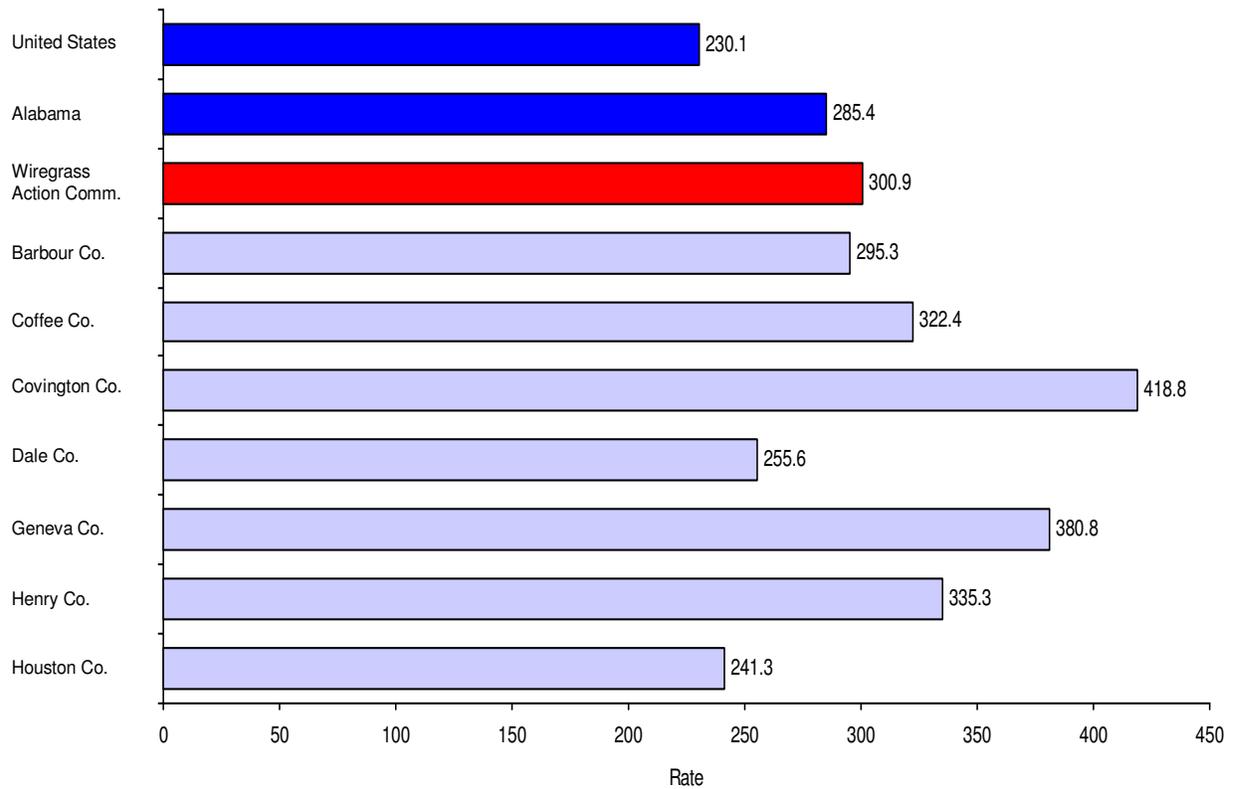


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
Tombigbee Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Tombigbee Action Commission</b> | <b>Not Applicable</b> | <b>2,059</b>                  | <b>339.9</b>     |
| District's Rural Counties Combined | Not Applicable        | 2,059                         | 339.9            |
| District's Urban Counties Combined | Not Applicable        | No Urban Counties in District |                  |
| Choctaw County                     | Yes                   | 150                           | 331.6            |
| Clarke County                      | Yes                   | 220                           | 269.0            |
| Conecuh County                     | Yes                   | 169                           | 421.6            |
| Dallas County                      | Yes                   | 488                           | 365.4            |
| Marengo County                     | Yes                   | 260                           | 394.9            |
| Monroe County                      | Yes                   | 237                           | 334.4            |
| Perry County                       | Yes                   | 107                           | 311.2            |
| Sumter County                      | Yes                   | 144                           | 342.1            |
| Washington County                  | Yes                   | 146                           | 273.9            |
| Wilcox County                      | Yes                   | 138                           | 357.1            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the Wiregrass Action Commission Counties, 2003-2005**

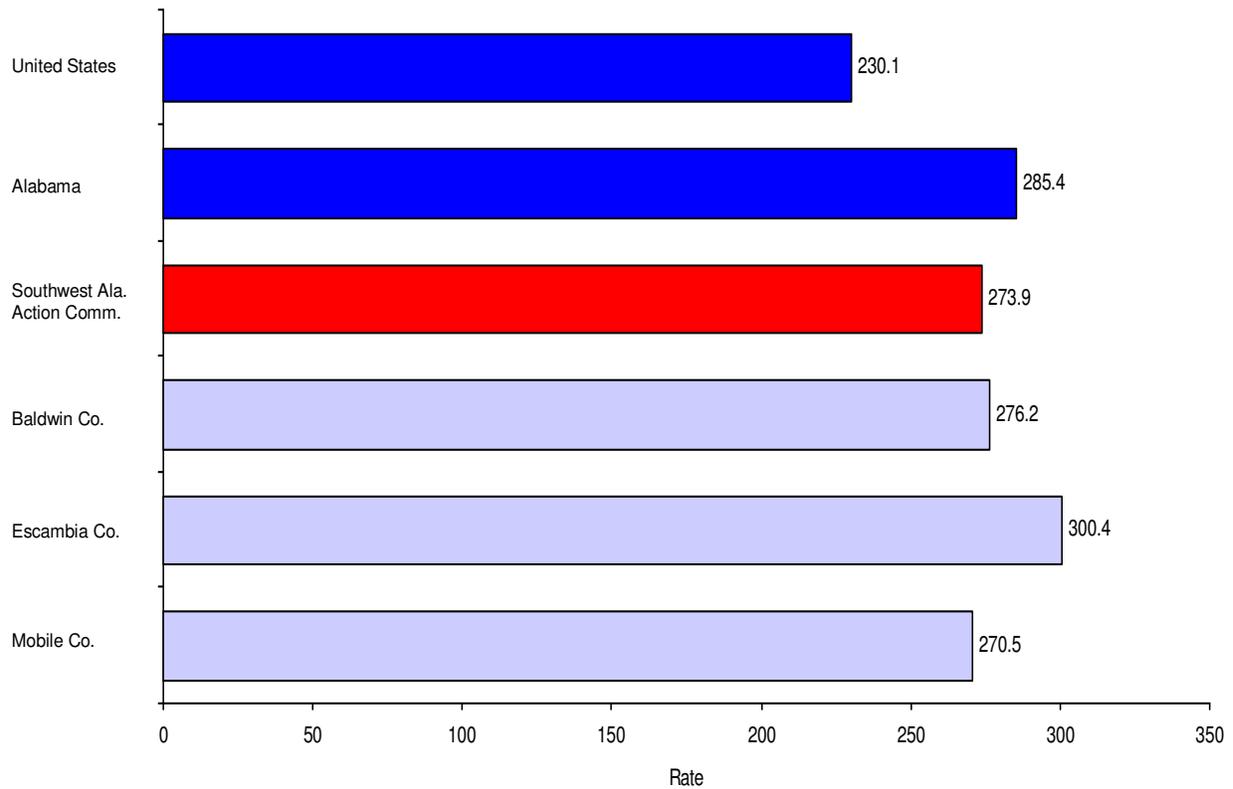


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
Wiregrass Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths       | Rate Per 100,000 |
|------------------------------------|-----------------------|--------------|------------------|
| <b>Wiregrass Action Commission</b> | <b>Not Applicable</b> | <b>2,653</b> | <b>300.9</b>     |
| District's Rural Counties Combined | Not Applicable        | 1,982        | 328.4            |
| District's Urban Counties Combined | Not Applicable        | 671          | 241.3            |
| Barbour County                     | Yes                   | 252          | 295.3            |
| Coffee County                      | Yes                   | 435          | 322.4            |
| Covington County                   | Yes                   | 462          | 418.8            |
| Dale County                        | Yes                   | 375          | 255.6            |
| Geneva County                      | Yes                   | 292          | 380.8            |
| Henry County                       | Yes                   | 166          | 335.3            |
| Houston County                     | No                    | 671          | 241.3            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the Southwest Alabama Action Commission Counties, 2003-2005**

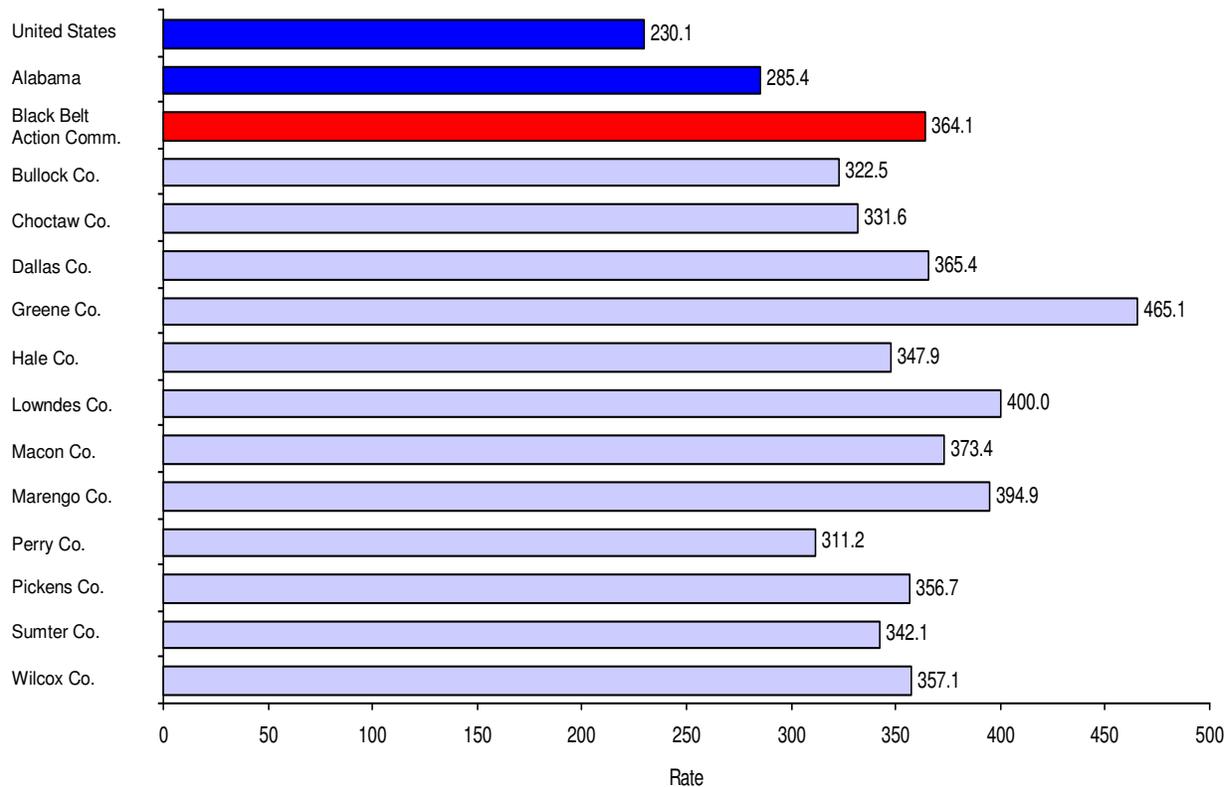


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
Southwest Alabama Action Commission Counties, 2003 – 2005**

| Area                                       | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Southwest Alabama Action Commission</b> | <b>Not Applicable</b> | <b>4,881</b> | <b>273.9</b>     |
| District's Rural Counties Combined         | Not Applicable        | 1,644        | 280.9            |
| District's Urban Counties Combined         | Not Applicable        | 3,237        | 270.5            |
| Baldwin County                             | Yes                   | 1,300        | 276.2            |
| Escambia County                            | Yes                   | 344          | 300.4            |
| Mobile County                              | No                    | 3,237        | 270.5            |

**Heart Diseases Mortality Rates  
U.S. Alabama, and the Black Belt Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Heart Disease Mortality and Mortality Rates  
Black Belt Action Commission Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|-------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Black Belt Action Commission</b> | <b>Not Applicable</b> | <b>2,351</b>                  | <b>364.1</b>     |
| District's Rural Counties Combined  | Not Applicable        | 2,351                         | 364.1            |
| District's Urban Counties Combined  | Not Applicable        | No Urban Counties in District |                  |
| Bullock County                      | Yes                   | 108                           | 322.5            |
| Choctaw County                      | Yes                   | 150                           | 331.6            |
| Dallas County                       | Yes                   | 488                           | 365.4            |
| Greene County                       | Yes                   | 135                           | 465.1            |
| Hale County                         | Yes                   | 189                           | 347.9            |
| Lowndes County                      | Yes                   | 157                           | 400.0            |
| Macon County                        | Yes                   | 258                           | 373.4            |
| Marengo County                      | Yes                   | 260                           | 394.9            |
| Perry County                        | Yes                   | 107                           | 311.2            |
| Pickens County                      | Yes                   | 217                           | 356.7            |
| Sumter County                       | Yes                   | 144                           | 342.1            |
| Wilcox County                       | Yes                   | 138                           | 357.1            |

**Heart Disease Mortality and Mortality Rates  
Alabama's Appalachian Region Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths        | Rate Per 100,000 |
|-------------------------------------|-----------------------|---------------|------------------|
| <b>Alabama's Appalachian Region</b> | <b>Not Applicable</b> | <b>25,146</b> | <b>289.8</b>     |
| Region's Rural Counties Combined    | Not Applicable        | 12,225        | 341.2            |
| Region's Urban Counties Combined    | Not Applicable        | 12,921        | 353.7            |
| Bibb County                         | Yes                   | 151           | 236.8            |
| Blount County                       | Yes                   | 468           | 284.0            |
| Calhoun County                      | No                    | 1,294         | 385.5            |
| Chambers County                     | Yes                   | 420           | 394.6            |
| Cherokee County                     | Yes                   | 224           | 305.4            |
| Chilton County                      | Yes                   | 426           | 343.8            |
| Clay County                         | Yes                   | 182           | 432.3            |
| Cleburne County                     | Yes                   | 128           | 294.5            |
| Colbert County                      | Yes                   | 606           | 369.7            |
| Coosa County                        | Yes                   | 123           | 363.3            |
| Cullman County                      | Yes                   | 803           | 338.5            |
| DeKalb County                       | Yes                   | 769           | 383.1            |
| Elmore County                       | Yes                   | 544           | 252.8            |
| Etowah County                       | No                    | 1,202         | 389.3            |
| Fayette County                      | Yes                   | 184           | 337.8            |
| Franklin County                     | Yes                   | 343           | 373.0            |
| Hale County                         | Yes                   | 189           | 347.9            |
| Jackson County                      | Yes                   | 588           | 365.2            |
| Jefferson County                    | No                    | 5,222         | 264.8            |
| Lamar County                        | Yes                   | 161           | 357.9            |
| Lauderdale County                   | No                    | 638           | 243.4            |
| Lawrence County                     | Yes                   | 289           | 280.1            |
| Limestone County                    | Yes                   | 547           | 263.6            |
| Macon County                        | Yes                   | 258           | 373.4            |
| Madison County                      | No                    | 1,779         | 202.1            |
| Marion County                       | Yes                   | 364           | 402.9            |
| Marshall County                     | Yes                   | 971           | 381.8            |
| Morgan County                       | No                    | 945           | 279.1            |
| Pickens County                      | Yes                   | 217           | 356.7            |
| Randolph County                     | Yes                   | 238           | 352.4            |
| St. Clair County                    | Yes                   | 576           | 273.6            |
| Shelby County                       | No                    | 722           | 145.5            |
| Talladega County                    | Yes                   | 773           | 322.3            |
| Tallapoosa County                   | Yes                   | 442           | 362.1            |
| Tuscaloosa County                   | No                    | 1,119         | 223.6            |
| Walker County                       | Yes                   | 980           | 468.0            |
| Winston County                      | Yes                   | 261           | 355.4            |

For additional information on the Appalachian Region, visit the Appalachian Regional Commission's Web site at <http://www.arc.gov/index.jsp>; the Appalachian Regional Commission – Alabama Programs Office Web site at <http://www.adeca.alabama.gov/default.aspx>; or contact Bonnie Durham, Alabama Program Manager at (256) 845-3472.

**Heart Disease Mortality and Mortality Rates  
Alabama's Delta Region Counties, 2003 – 2005**

| Area                             | Is County Rural?      | Deaths                      | Rate Per 100,000 |
|----------------------------------|-----------------------|-----------------------------|------------------|
| <b>Alabama's Delta Region</b>    | <b>Not Applicable</b> | <b>4,292</b>                | <b>330.3</b>     |
| Region's Rural Counties Combined | Not Applicable        | 4,292                       | 330.3            |
| Region's Urban Counties Combined | Not Applicable        | No Urban Counties in Region |                  |
| Barbour County                   | Yes                   | 252                         | 295.3            |
| Bullock County                   | Yes                   | 108                         | 322.5            |
| Butler County                    | Yes                   | 299                         | 483.2            |
| Choctaw County                   | Yes                   | 150                         | 331.6            |
| Clarke County                    | Yes                   | 220                         | 269.0            |
| Conecuh County                   | Yes                   | 169                         | 421.6            |
| Dallas County                    | Yes                   | 488                         | 365.4            |
| Escambia County                  | Yes                   | 344                         | 300.4            |
| Greene County                    | Yes                   | 135                         | 465.1            |
| Hale County                      | Yes                   | 189                         | 347.9            |
| Lowndes County                   | Yes                   | 157                         | 400.0            |
| Macon County                     | Yes                   | 258                         | 373.4            |
| Marengo County                   | Yes                   | 260                         | 394.9            |
| Monroe County                    | Yes                   | 237                         | 334.4            |
| Perry County                     | Yes                   | 107                         | 311.2            |
| Pickens County                   | Yes                   | 217                         | 356.7            |
| Russell County                   | Yes                   | 274                         | 186.1            |
| Sumter County                    | Yes                   | 144                         | 342.1            |
| Washington County                | Yes                   | 146                         | 273.9            |
| Wilcox County                    | Yes                   | 138                         | 357.1            |

For additional information on the Delta Region, visit the Delta Regional Authority's Web site at <http://www.dra.gov/> or contact one of the Delta Regional Authority – Local Development District Offices as follows:

Alabama – Tombigbee Regional Commission, (334) 682-4234 (Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox counties)

Lee – Russell Council of Governments, (334) 749-5264 (Russell County)

South Alabama Regional Planning Commission, (251) 433-6541 (Escambia County)

South Central Alabama Development Commission (334) 244-6903 (Bullock, Butler, Lowndes, and Macon counties)

Southeast Alabama Regional Planning and Development Commission, (334) 794-4093 (Barbour County)

West Alabama Planning and Development Council, (205) 333-2990 (Greene, Hale, and Pickens counties)

## **Indicators of Health Status in Alabama:** **CANCER MORTALITY**

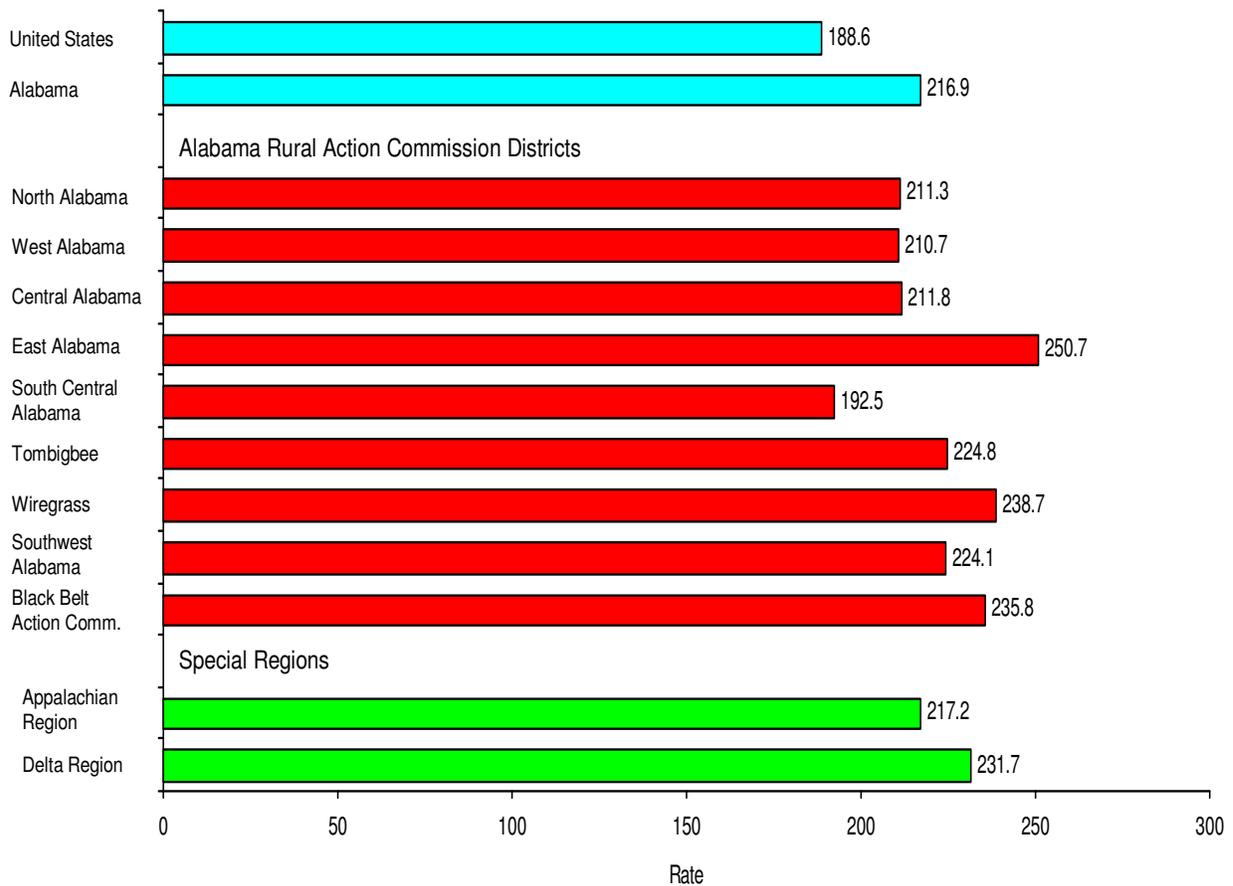
Cancer occurs in individuals who usually:

- smoke, use tobacco products, or are exposed to environmental smoke.
- have low consumption of fruits, vegetables, and whole grain foods.
- have excessive consumption of high fat foods, particularly from animal sources.
- are physically inactive.
- are obese.
- have excessive alcohol consumption.
- have excessive sun exposure.

To prevent or detect cancer early, individuals at risk should:

- avoid or eliminate exposure to cigarette smoke, tobacco products, or environmental tobacco smoke.
- eat 5 or more servings of fruits and vegetables daily and 6 to 11 servings daily of breads, cereals, rice, pastas, and other grain products.
- use more non-meat main dishes such as dried peas and beans, and tofu.
- balance food and physical activity to maintain a healthy weight.
- if alcohol is consumed, for men drink no more than two drinks a day, and for women, drink no more than one drink a day.
- protect against excessive sun exposure with protective clothing and sun-screens with at least a sun protective factor (SPF) of 15 or higher.
- have recommended screening tests as appropriate – for women, screening mammograms, Pap smears, tests for colorectal cancer, skin examinations; for men, testicular examinations, tests for colorectal cancer, and skin examinations.

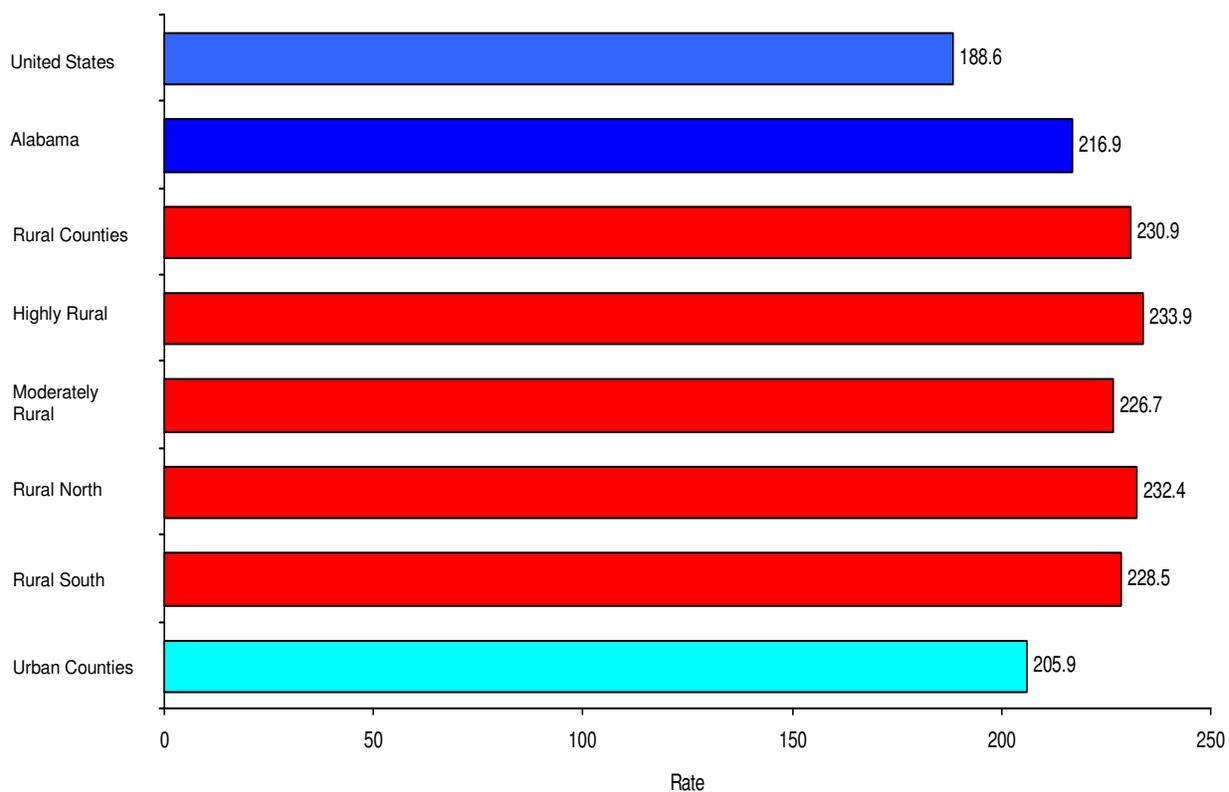
**Cancer Mortality Rates for 2003-2005**  
**U.S., Alabama, Alabama Rural Action Commission Districts, and Special Regions In Alabama**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

-  Cancer has been the second leading cause of death in Alabama since 1966.
-  Alabama currently has the 11<sup>th</sup> highest cancer mortality rate among all 50 states. Alabamians aged 35-64 years have the 5<sup>th</sup> highest cancer mortality rate among all 50 states.
-  Alabama lost 29,389 residents to cancer during 2003-2005.
-  37 of the 40 Alabama counties with the highest cancer mortality rates are rural counties.

**Cancer Mortality Rates  
U.S. and Selected Alabama Areas, 2003-2005**

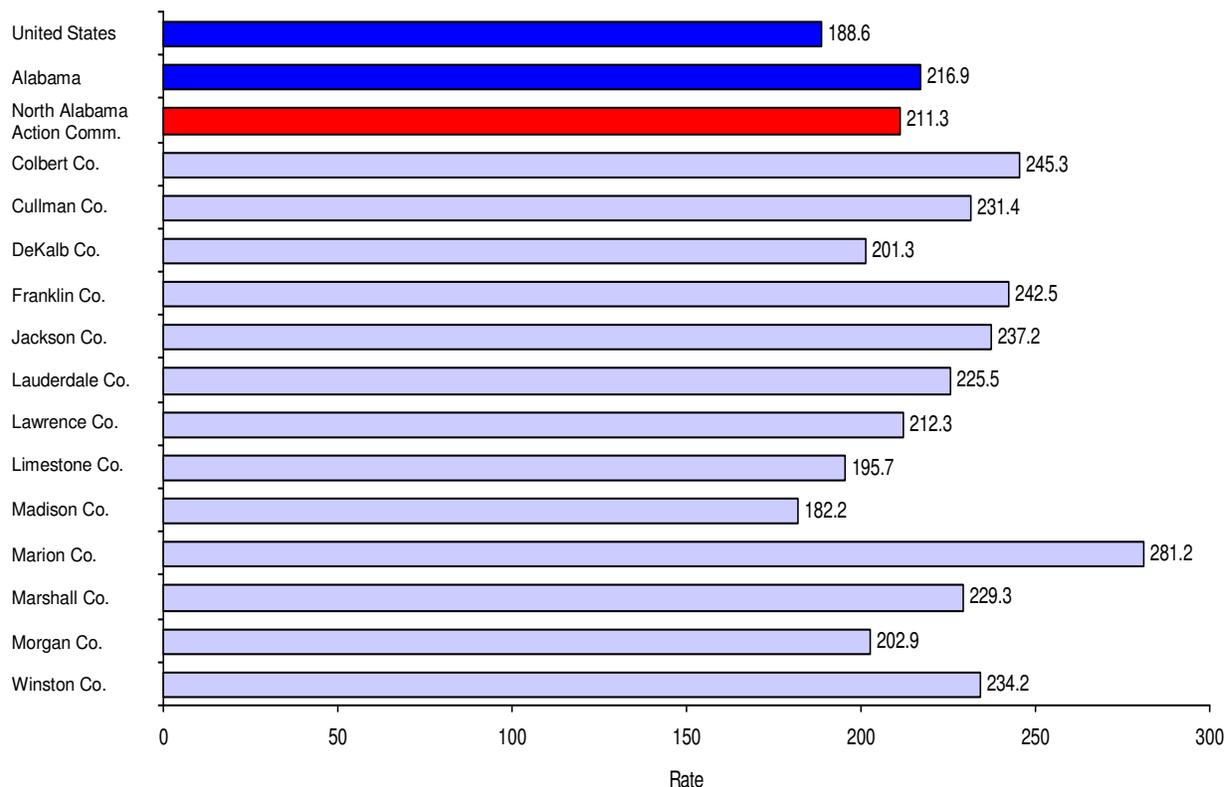


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
U.S. and Selected Alabama Areas, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths         | Rate Per 100,000 |
|--|-----------------------|----------------|------------------|
| <b>United States</b>                     | <b>Not Applicable</b> | <b>553,888</b> | <b>188.6</b>     |
| <b>Alabama</b>                           | <b>Not Applicable</b> | <b>29,389</b>  | <b>216.9</b>     |
| <b>Rural Alabama Counties</b>            | <b>Not Applicable</b> | <b>13,759</b>  | <b>230.9</b>     |
| <b>Highly Rural Alabama Counties</b>     | <b>Not Applicable</b> | <b>8,079</b>   | <b>233.9</b>     |
| <b>Moderately Rural Alabama Counties</b> | <b>Not Applicable</b> | <b>5,680</b>   | <b>226.7</b>     |
| <b>Rural North Alabama Counties</b>      | <b>Not Applicable</b> | <b>8,328</b>   | <b>232.4</b>     |
| <b>Rural South Alabama Counties</b>      | <b>Not Applicable</b> | <b>5,431</b>   | <b>228.5</b>     |
| <b>Urban Alabama Counties</b>            | <b>Not Applicable</b> | <b>15,630</b>  | <b>205.9</b>     |

**Cancer Mortality Rates  
U.S. Alabama, and the North Alabama Action Commission Counties, 2003-2005**

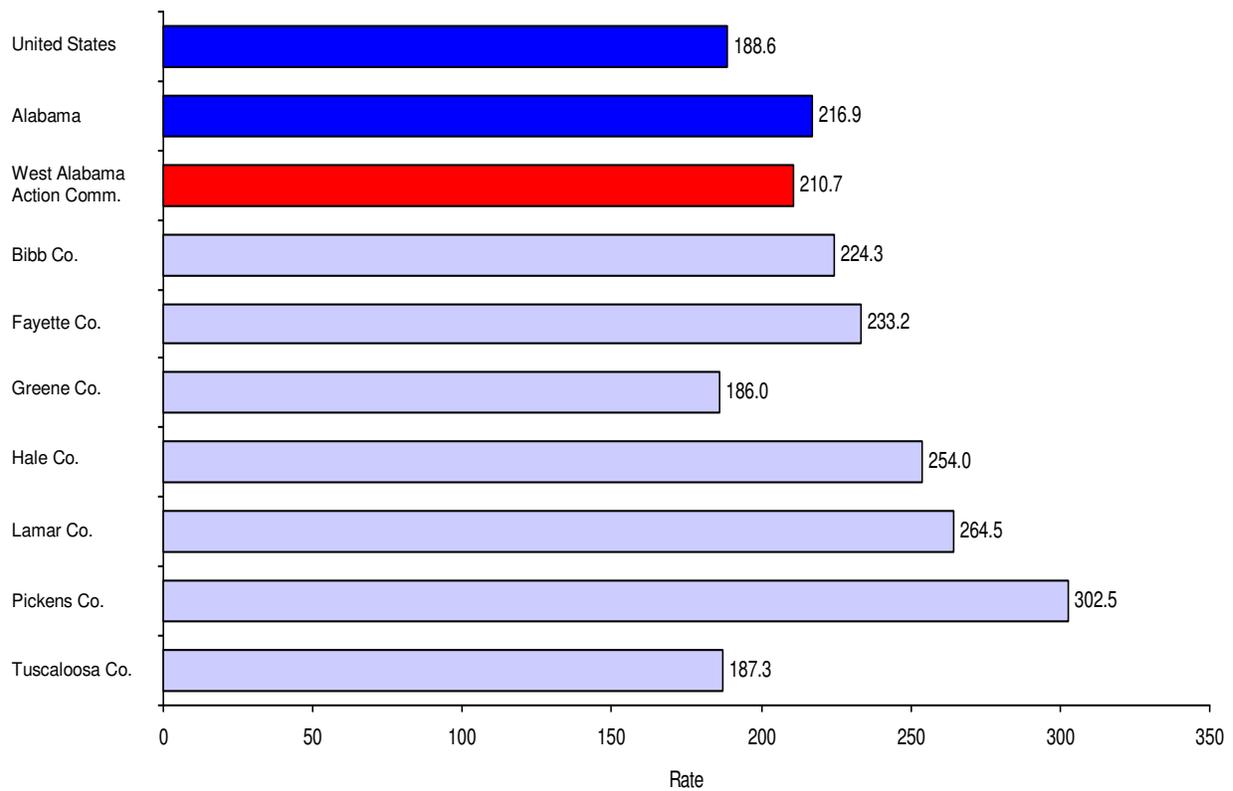


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
North Alabama Action Commission Counties, 2003 – 2005**

| Area                                   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>North Alabama Action Commission</b> | <b>Not Applicable</b> | <b>6,476</b> | <b>211.3</b>     |
| District's Rural Counties Combined     | Not Applicable        | 3,594        | 227.0            |
| District's Urban Counties Combined     | Not Applicable        | 2,882        | 194.6            |
| Colbert County                         | Yes                   | 402          | 245.3            |
| Cullman County                         | Yes                   | 549          | 231.4            |
| DeKalb County                          | Yes                   | 404          | 201.3            |
| Franklin County                        | Yes                   | 223          | 242.5            |
| Jackson County                         | Yes                   | 382          | 237.2            |
| Lauderdale County                      | No                    | 591          | 225.5            |
| Lawrence County                        | Yes                   | 219          | 212.3            |
| Limestone County                       | Yes                   | 406          | 195.7            |
| Madison County                         | No                    | 1,604        | 182.2            |
| Marion County                          | Yes                   | 254          | 281.2            |
| Marshall County                        | Yes                   | 583          | 229.3            |
| Morgan County                          | No                    | 687          | 202.9            |
| Winston County                         | Yes                   | 172          | 234.2            |

**Cancer Mortality Rates  
U.S. Alabama, and the West Alabama Action Commission Counties, 2003-2005**

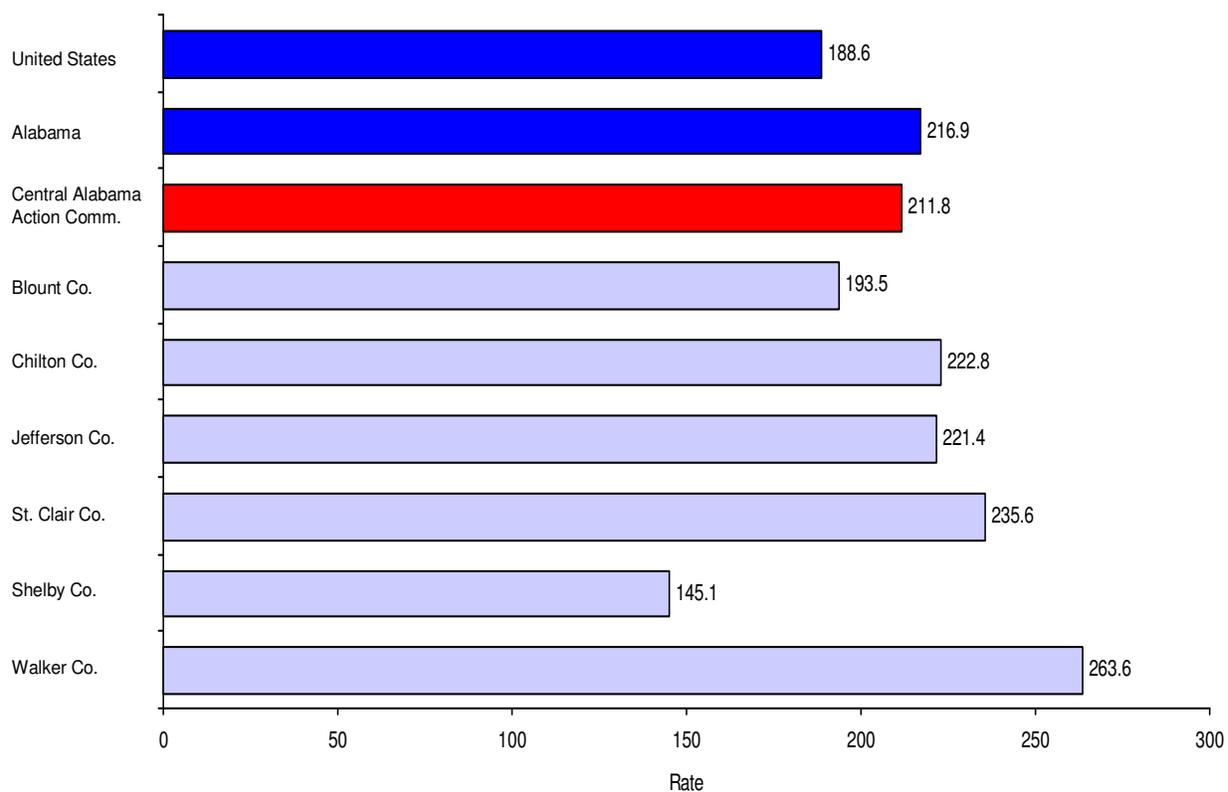


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
West Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths       | Rate Per 100,000 |
|---------------------------------------|-----------------------|--------------|------------------|
| <b>West Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,702</b> | <b>210.7</b>     |
| District's Rural Counties Combined    | Not Applicable        | 765          | 248.9            |
| District's Urban Counties Combined    | Not Applicable        | 937          | 187.3            |
| Bibb County                           | Yes                   | 143          | 224.3            |
| Fayette County                        | Yes                   | 127          | 233.2            |
| Greene County                         | Yes                   | 54           | 186              |
| Hale County                           | Yes                   | 138          | 254.0            |
| Lamar County                          | Yes                   | 119          | 264.5            |
| Pickens County                        | Yes                   | 184          | 302.5            |
| Tuscaloosa County                     | No                    | 937          | 187.3            |

**Cancer Mortality Rates  
U.S. Alabama, and the Central Alabama Action Commission Counties, 2003-2005**

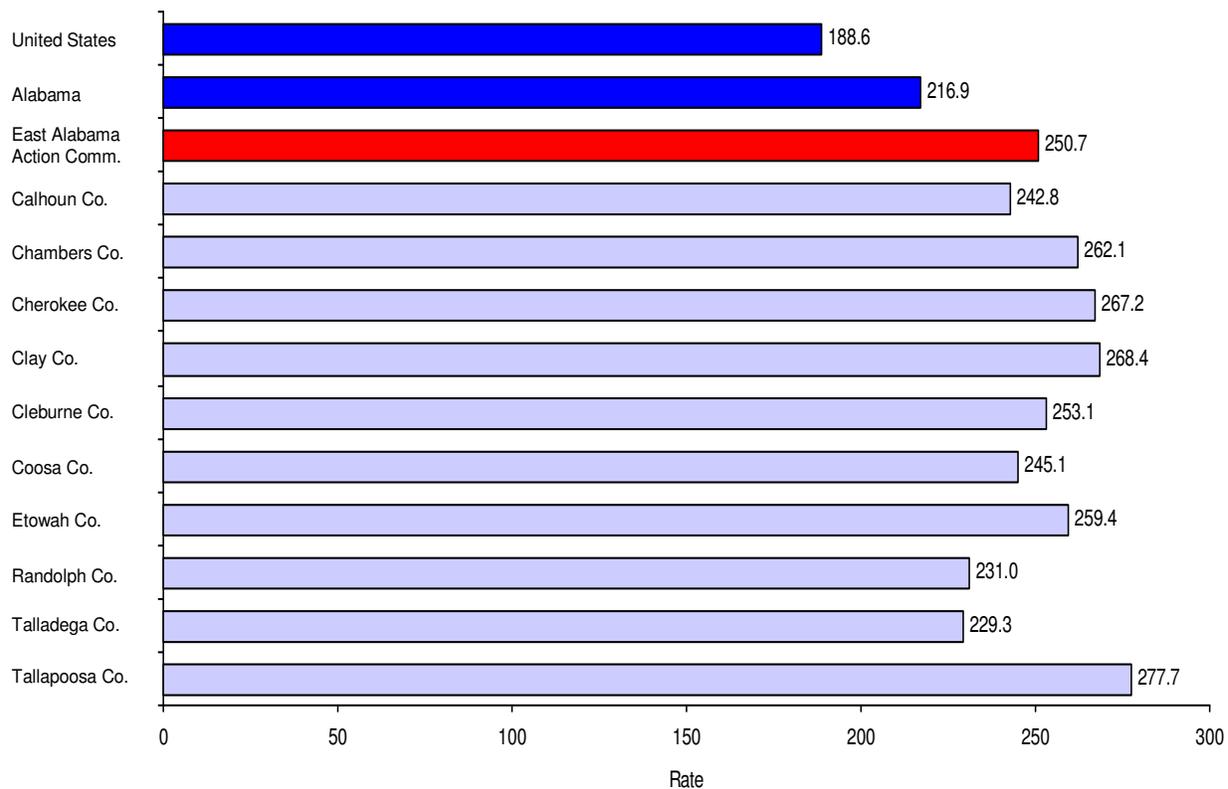


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
Central Alabama Action Commission Counties, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>6,728</b> | <b>211.8</b>     |
| District's Rural Counties Combined       | Not Applicable        | 1,643        | 231.8            |
| District's Urban Counties Combined       | Not Applicable        | 5,085        | 206.0            |
| Blount County                            | Yes                   | 319          | 193.5            |
| Chilton County                           | Yes                   | 276          | 222.8            |
| Jefferson County                         | No                    | 4,365        | 221.4            |
| St. Clair County                         | Yes                   | 496          | 235.6            |
| Shelby County                            | No                    | 720          | 145.1            |
| Walker County                            | Yes                   | 552          | 263.6            |

**Cancer Mortality Rates  
U.S. Alabama, and the East Alabama Action Commission Counties, 2003-2005**

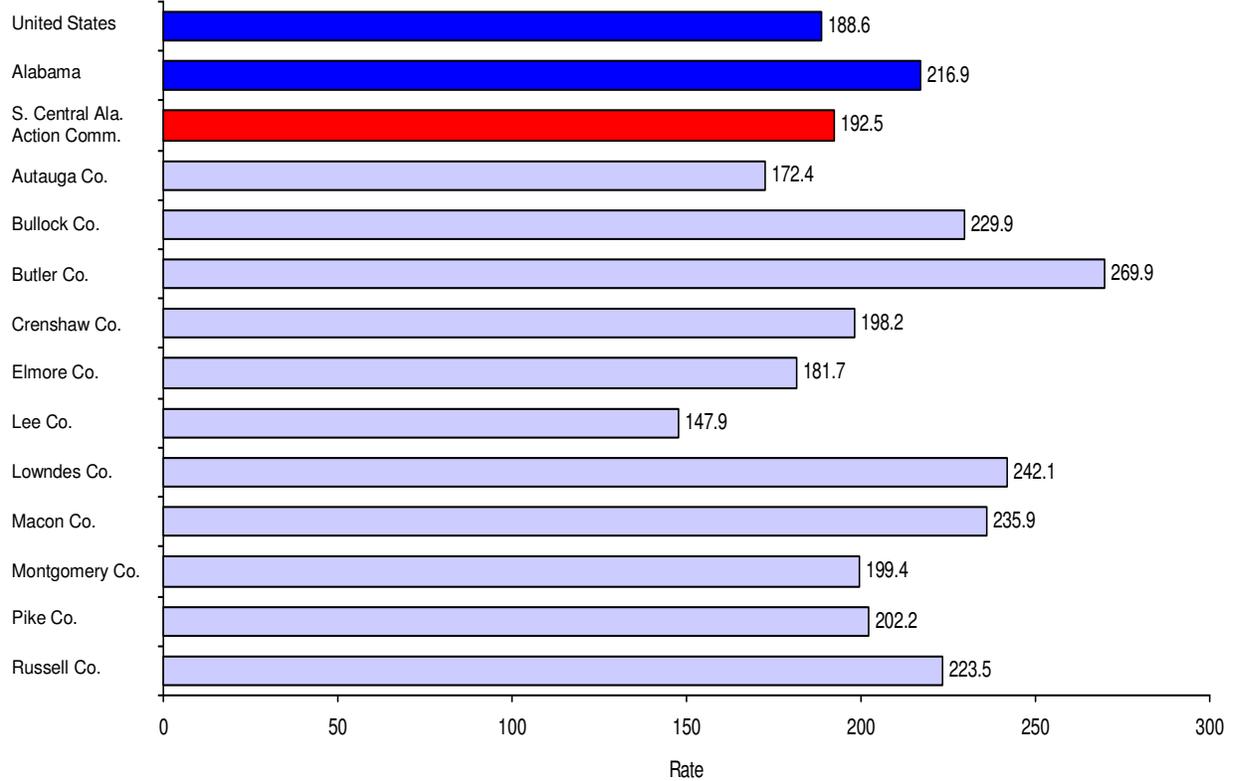


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
East Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths       | Rate Per 100,000 |
|---------------------------------------|-----------------------|--------------|------------------|
| <b>East Alabama Action Commission</b> | <b>Not Applicable</b> | <b>3,442</b> | <b>250.7</b>     |
| District's Rural Counties Combined    | Not Applicable        | 1,826        | 250.6            |
| District's Urban Counties Combined    | Not Applicable        | 1,616        | 250.8            |
| Calhoun County                        | No                    | 815          | 242.8            |
| Chambers County                       | Yes                   | 279          | 262.1            |
| Cherokee County                       | Yes                   | 196          | 267.2            |
| Clay County                           | Yes                   | 113          | 268.4            |
| Cleburne County                       | Yes                   | 110          | 253.1            |
| Coosa County                          | Yes                   | 83           | 245.1            |
| Etowah County                         | No                    | 801          | 259.4            |
| Randolph County                       | Yes                   | 156          | 231.0            |
| Talladega County                      | Yes                   | 550          | 229.3            |
| Tallapoosa County                     | Yes                   | 339          | 277.7            |

**Cancer Mortality Rates  
U.S. Alabama, and the South Central Alabama Action Commission Counties, 2003-2005**

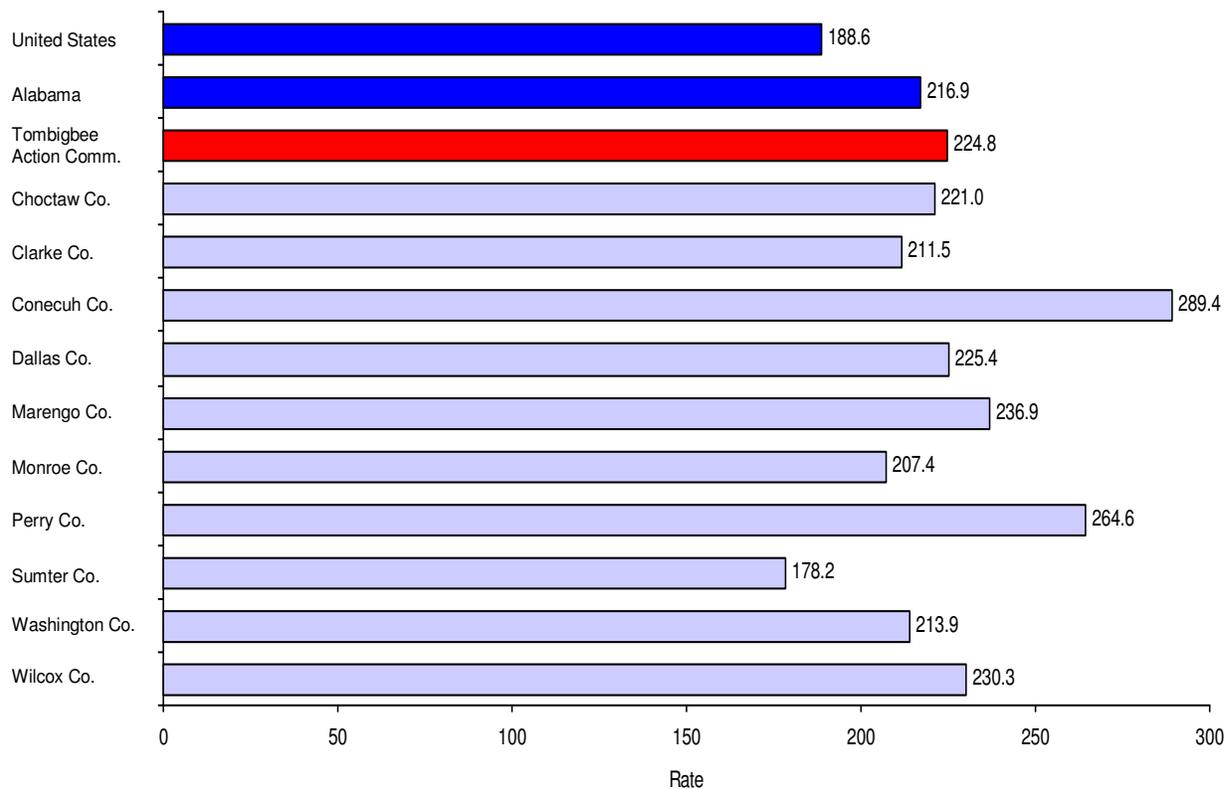


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
South Central Alabama Action Commission Counties, 2003 – 2005**

| Area   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>South Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>3,582</b> | <b>192.5</b>     |
| District's Rural Counties Combined             | Not Applicable        | 1,726        | 206.2            |
| District's Urban Counties Combined             | Not Applicable        | 1,856        | 181.2            |
| Autauga County                                 | Yes                   | 245          | 172.4            |
| Bullock County                                 | Yes                   | 77           | 229.9            |
| Butler County                                  | Yes                   | 167          | 269.9            |
| Crenshaw County                                | Yes                   | 81           | 198.2            |
| Elmore County                                  | Yes                   | 391          | 181.7            |
| Lee County                                     | No                    | 534          | 147.9            |
| Lowndes County                                 | Yes                   | 95           | 242.1            |
| Macon County                                   | Yes                   | 163          | 235.9            |
| Montgomery County                              | No                    | 1,322        | 199.4            |
| Pike County                                    | Yes                   | 178          | 202.2            |
| Russell County                                 | Yes                   | 329          | 223.5            |

**Cancer Mortality Rates  
U.S. Alabama, and the Tombigbee Action Commission Counties, 2003-2005**

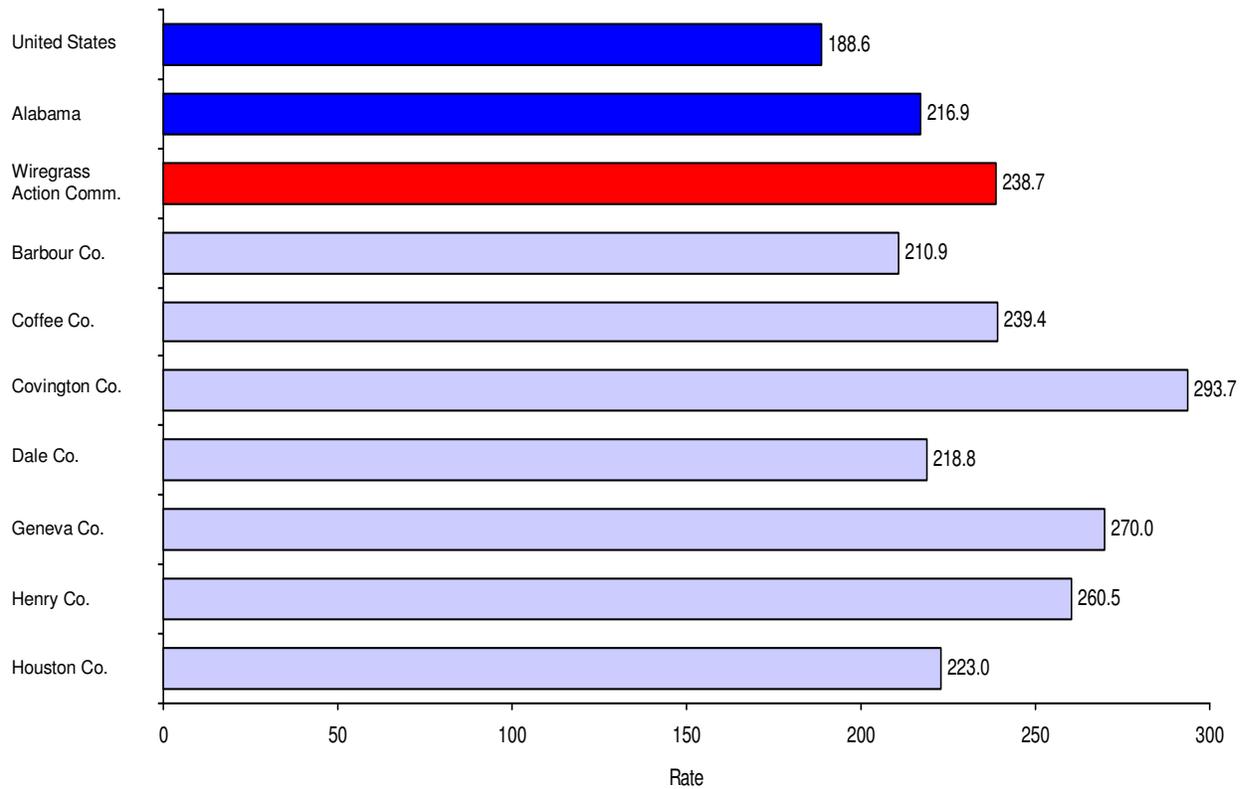


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
Tombigbee Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Tombigbee Action Commission</b> | <b>Not Applicable</b> | <b>1,362</b>                  | <b>224.8</b>     |
| District's Rural Counties Combined | Not Applicable        | 1,362                         | 224.8            |
| District's Urban Counties Combined | Not Applicable        | No Urban Counties in District |                  |
| Choctaw County                     | Yes                   | 100                           | 221.0            |
| Clarke County                      | Yes                   | 173                           | 211.5            |
| Conecuh County                     | Yes                   | 116                           | 289.4            |
| Dallas County                      | Yes                   | 301                           | 225.4            |
| Marengo County                     | Yes                   | 156                           | 236.9            |
| Monroe County                      | Yes                   | 147                           | 207.4            |
| Perry County                       | Yes                   | 91                            | 264.6            |
| Sumter County                      | Yes                   | 75                            | 178.2            |
| Washington County                  | Yes                   | 114                           | 213.9            |
| Wilcox County                      | Yes                   | 89                            | 230.3            |

**Cancer Mortality Rates  
U.S. Alabama, and the Wiregrass Action Commission Counties, 2003-2005**

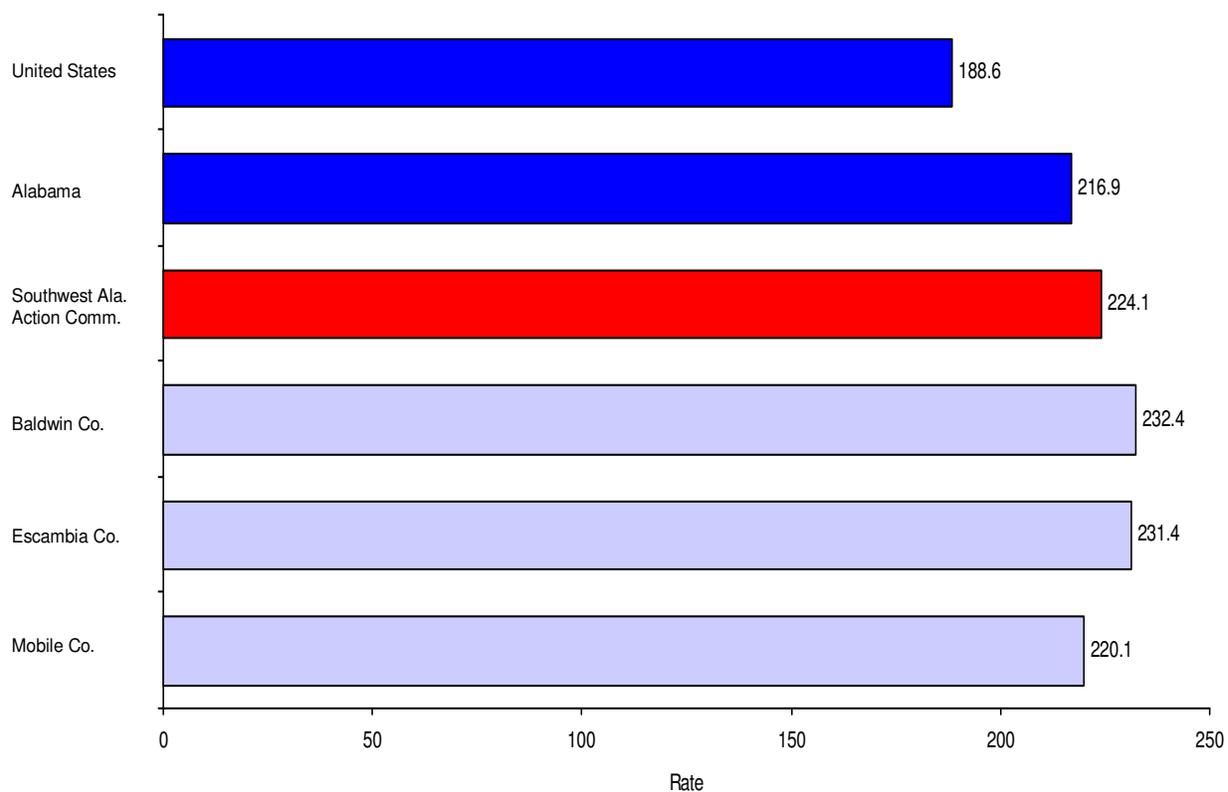


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
Wiregrass Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths       | Rate Per 100,000 |
|------------------------------------|-----------------------|--------------|------------------|
| <b>Wiregrass Action Commission</b> | <b>Not Applicable</b> | <b>2,104</b> | <b>238.7</b>     |
| District's Rural Counties Combined | Not Applicable        | 1,484        | 245.9            |
| District's Urban Counties Combined | Not Applicable        | 620          | 223.0            |
| Barbour County                     | Yes                   | 180          | 210.9            |
| Coffee County                      | Yes                   | 323          | 239.4            |
| Covington County                   | Yes                   | 324          | 293.7            |
| Dale County                        | Yes                   | 321          | 218.8            |
| Geneva County                      | Yes                   | 207          | 270.0            |
| Henry County                       | Yes                   | 129          | 260.5            |
| Houston County                     | No                    | 620          | 223.0            |

**Cancer Mortality Rates  
U.S. Alabama, and the Southwest Alabama Action Commission Counties, 2003-2005**

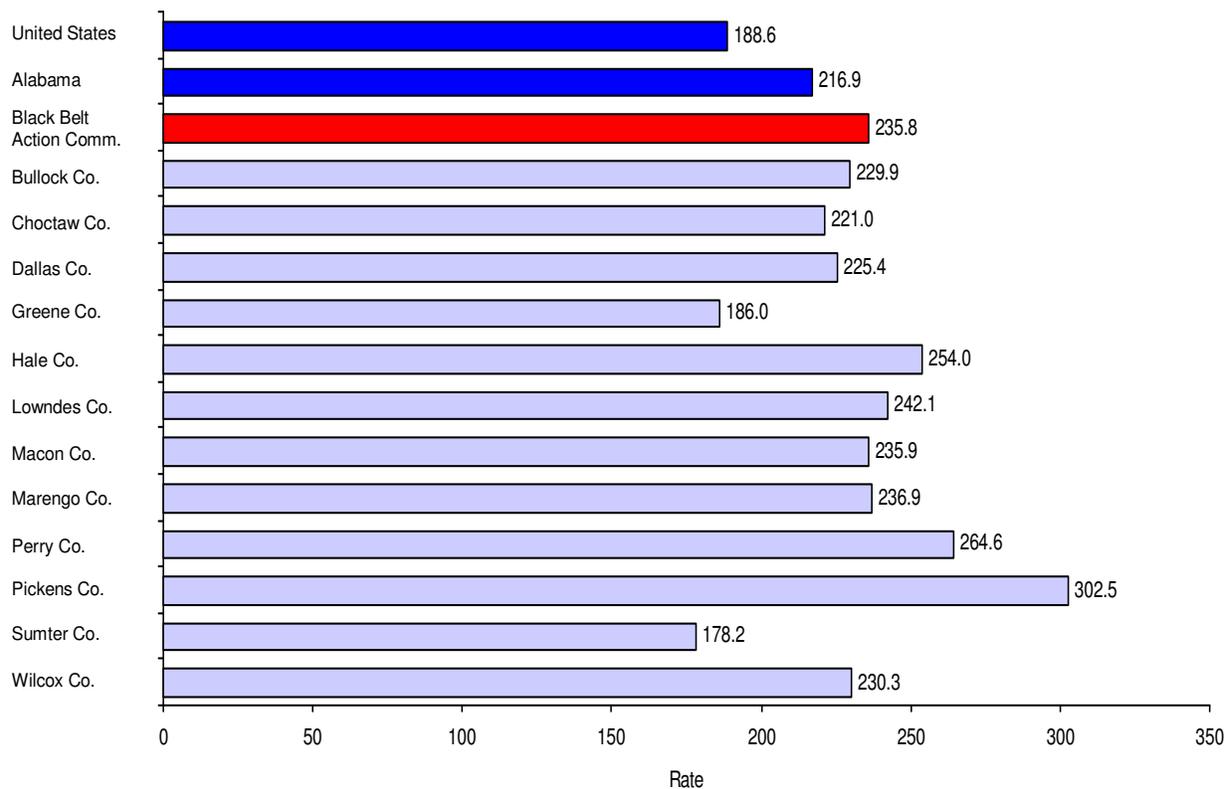


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
Southwest Alabama Action Commission Counties, 2003 – 2005**

| Area                                       | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Southwest Alabama Action Commission</b> | <b>Not Applicable</b> | <b>3,993</b> | <b>224.1</b>     |
| District's Rural Counties Combined         | Not Applicable        | 1,359        | 232.2            |
| District's Urban Counties Combined         | Not Applicable        | 2,634        | 220.1            |
| Baldwin County                             | Yes                   | 1,094        | 232.4            |
| Escambia County                            | Yes                   | 265          | 231.4            |
| Mobile County                              | No                    | 2,634        | 220.1            |

**Cancer Mortality Rates  
U.S. Alabama, and the Black Belt Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cancer Mortality and Mortality Rates  
Black Belt Action Commission Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|-------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Black Belt Action Commission</b> | <b>Not Applicable</b> | <b>1,523</b>                  | <b>235.8</b>     |
| District's Rural Counties Combined  | Not Applicable        | 1,523                         | 235.8            |
| District's Urban Counties Combined  | Not Applicable        | No Urban Counties in District |                  |
| Bullock County                      | Yes                   | 77                            | 229.9            |
| Choctaw County                      | Yes                   | 100                           | 221.0            |
| Dallas County                       | Yes                   | 301                           | 225.4            |
| Greene County                       | Yes                   | 54                            | 186.0            |
| Hale County                         | Yes                   | 138                           | 254.0            |
| Lowndes County                      | Yes                   | 95                            | 242.1            |
| Macon County                        | Yes                   | 163                           | 235.9            |
| Marengo County                      | Yes                   | 156                           | 236.9            |
| Perry County                        | Yes                   | 91                            | 264.6            |
| Pickens County                      | Yes                   | 184                           | 302.5            |
| Sumter County                       | Yes                   | 75                            | 178.2            |
| Wilcox County                       | Yes                   | 89                            | 230.3            |

**Cancer Mortality and Mortality Rates  
Alabama's Appalachian Region Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths        | Rate Per 100,000 |
|-------------------------------------|-----------------------|---------------|------------------|
| <b>Alabama's Appalachian Region</b> | <b>Not Applicable</b> | <b>18,848</b> | <b>217.2</b>     |
| Region's Rural Counties Combined    | Not Applicable        | 8,328         | 232.4            |
| Region's Urban Counties Combined    | Not Applicable        | 10,520        | 206.5            |
| Bibb County                         | Yes                   | 143           | 224.3            |
| Blount County                       | Yes                   | 319           | 193.5            |
| Calhoun County                      | No                    | 815           | 242.8            |
| Chambers County                     | Yes                   | 279           | 262.1            |
| Cherokee County                     | Yes                   | 196           | 267.2            |
| Chilton County                      | Yes                   | 276           | 222.8            |
| Clay County                         | Yes                   | 113           | 268.4            |
| Cleburne County                     | Yes                   | 110           | 253.1            |
| Colbert County                      | Yes                   | 402           | 245.3            |
| Coosa County                        | Yes                   | 83            | 245.1            |
| Cullman County                      | Yes                   | 549           | 231.4            |
| DeKalb County                       | Yes                   | 404           | 201.3            |
| Elmore County                       | Yes                   | 391           | 181.7            |
| Etowah County                       | No                    | 801           | 259.4            |
| Fayette County                      | Yes                   | 127           | 233.2            |
| Franklin County                     | Yes                   | 223           | 242.5            |
| Hale County                         | Yes                   | 138           | 254.0            |
| Jackson County                      | Yes                   | 382           | 237.2            |
| Jefferson County                    | No                    | 4,365         | 221.4            |
| Lamar County                        | Yes                   | 119           | 264.5            |
| Lauderdale County                   | No                    | 591           | 225.5            |
| Lawrence County                     | Yes                   | 219           | 212.3            |
| Limestone County                    | Yes                   | 406           | 195.7            |
| Macon County                        | Yes                   | 163           | 235.9            |
| Madison County                      | No                    | 1,604         | 182.2            |
| Marion County                       | Yes                   | 254           | 281.2            |
| Marshall County                     | Yes                   | 583           | 229.3            |
| Morgan County                       | No                    | 687           | 202.9            |
| Pickens County                      | Yes                   | 184           | 302.5            |
| Randolph County                     | Yes                   | 156           | 231.0            |
| St. Clair County                    | Yes                   | 496           | 235.6            |
| Shelby County                       | No                    | 720           | 145.1            |
| Talladega County                    | Yes                   | 550           | 229.3            |
| Tallapoosa County                   | Yes                   | 339           | 277.7            |
| Tuscaloosa County                   | No                    | 937           | 187.3            |
| Walker County                       | Yes                   | 552           | 263.6            |
| Winston County                      | Yes                   | 172           | 234.2            |

For additional information on the Appalachian Region, visit the Appalachian Regional Commission's Web site at <http://www.arc.gov/index.jsp>; the Appalachian Regional Commission – Alabama Programs Office Web site at <http://www.adeca.alabama.gov/default.aspx>; or contact Bonnie Durham, Alabama Program Manager at (256) 845-3472.

**Cancer Mortality and Mortality Rates  
Alabama's Delta Region Counties, 2003 – 2005**

| Area                             | Is County Rural?      | Deaths                      | Rate Per 100,000 |
|----------------------------------|-----------------------|-----------------------------|------------------|
| <b>Alabama's Delta Region</b>    | <b>Not Applicable</b> | <b>3,014</b>                | <b>231.7</b>     |
| Region's Rural Counties Combined | Not Applicable        | <b>3,014</b>                | <b>231.7</b>     |
| Region's Urban Counties Combined | Not Applicable        | No Urban Counties in Region |                  |
| Barbour County                   | Yes                   | 180                         | 210.9            |
| Bullock County                   | Yes                   | 77                          | 229.9            |
| Butler County                    | Yes                   | 167                         | 269.9            |
| Choctaw County                   | Yes                   | 100                         | 221.0            |
| Clarke County                    | Yes                   | 173                         | 211.5            |
| Conecuh County                   | Yes                   | 116                         | 289.4            |
| Dallas County                    | Yes                   | 301                         | 225.4            |
| Escambia County                  | Yes                   | 265                         | 231.4            |
| Greene County                    | Yes                   | 54                          | 186.0            |
| Hale County                      | Yes                   | 138                         | 254.0            |
| Lowndes County                   | Yes                   | 95                          | 242.1            |
| Macon County                     | Yes                   | 163                         | 235.9            |
| Marengo County                   | Yes                   | 156                         | 236.9            |
| Monroe County                    | Yes                   | 147                         | 207.4            |
| Perry County                     | Yes                   | 91                          | 264.6            |
| Pickens County                   | Yes                   | 184                         | 302.5            |
| Russell County                   | Yes                   | 329                         | 223.5            |
| Sumter County                    | Yes                   | 75                          | 178.2            |
| Washington County                | Yes                   | 114                         | 213.9            |
| Wilcox County                    | Yes                   | 89                          | 230.3            |

For additional information on the Delta Region, visit the Delta Regional Authority's Web site at <http://www.dra.gov/> or contact one of the Delta Regional Authority – Local Development District Offices as follows:

Alabama – Tombigbee Regional Commission, (334) 682-4234 (Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox counties)

Lee – Russell Council of Governments, (334) 749-5264 (Russell County)

South Alabama Regional Planning Commission, (251) 433-6541 (Escambia County)

South Central Alabama Development Commission (334) 244-6903 (Bullock, Butler, Lowndes, and Macon counties)

Southeast Alabama Regional Planning and Development Commission, (334) 794-4093 (Barbour County)

West Alabama Planning and Development Council, (205) 333-2990 (Greene, Hale, and Pickens counties)

**Indicators of Health Status in Alabama:**  
**CEREBROVASCULAR DISEASES MORTALITY**

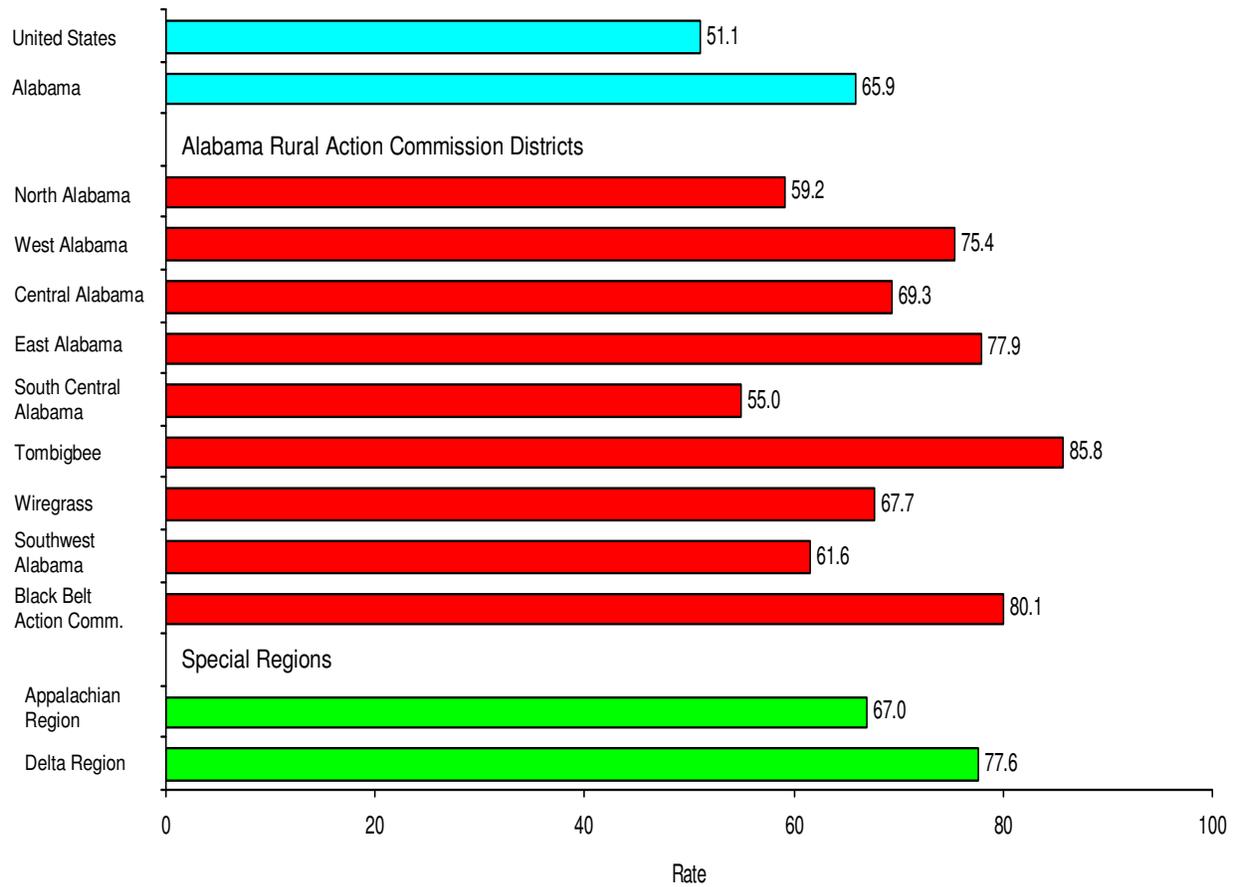
Stroke usually occurs in individuals who:

- have high blood pressure (hypertension).
- smoke.
- have elevated cholesterol.

To prevent stroke, individuals should:

- balance food and physical activity to maintain a healthy weight.
- eat 5 or more servings of fruits and vegetables daily.
- be physically active four to five times a week.
  
- use more non-meat main dishes such as dried peas and beans, and tofu.
- avoid or eliminate use of cigarettes, including exposure to environmental tobacco smoke (ETS).
- visit physician regularly to check blood pressure.
- take blood pressure medication as directed.
- take cholesterol lowering medications as directed.

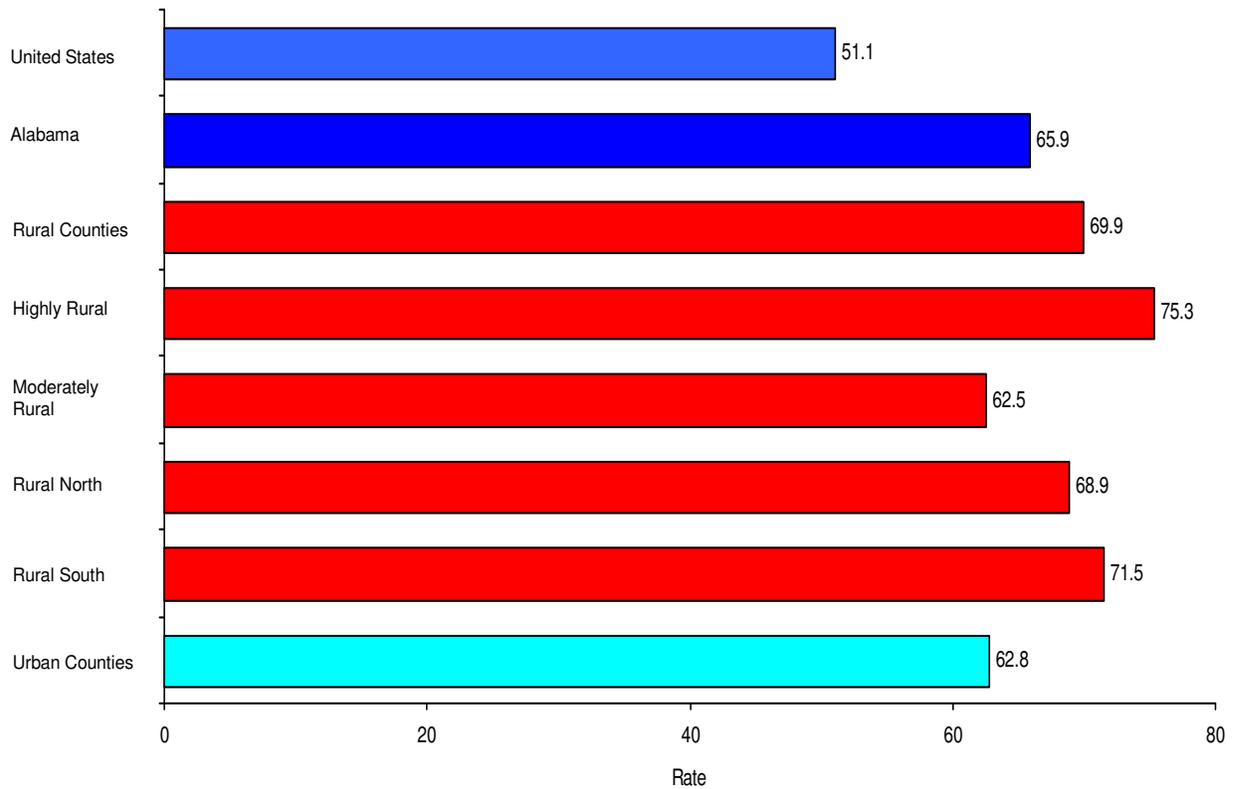
**Cerebrovascular Diseases Mortality Rates for 2003-2005  
U.S., Alabama, Alabama Rural Action Commission Districts, and Special Regions In Alabama**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

-  Alabama is a member of the “Stroke Belt,” an area consisting of the southeastern U.S. and the Mississippi Valley with high stroke mortality. Cerebrovascular diseases have been the third leading cause of death in Alabama since 1966.
-  Alabama currently has the 4<sup>th</sup> highest cerebrovascular disease mortality rate among all 50 states. Alabamians aged 25-64 years have the 3<sup>rd</sup> highest cerebrovascular disease mortality rate among all 50 states.
-  Alabama lost 8,934 residents to cerebrovascular diseases during 2003-2005.
-  41 of the 45 Alabama counties with the highest cerebrovascular disease mortality rates are rural counties.

**Cerebrovascular Diseases Mortality Rates  
U.S. and Selected Alabama Areas, 2003-2005**

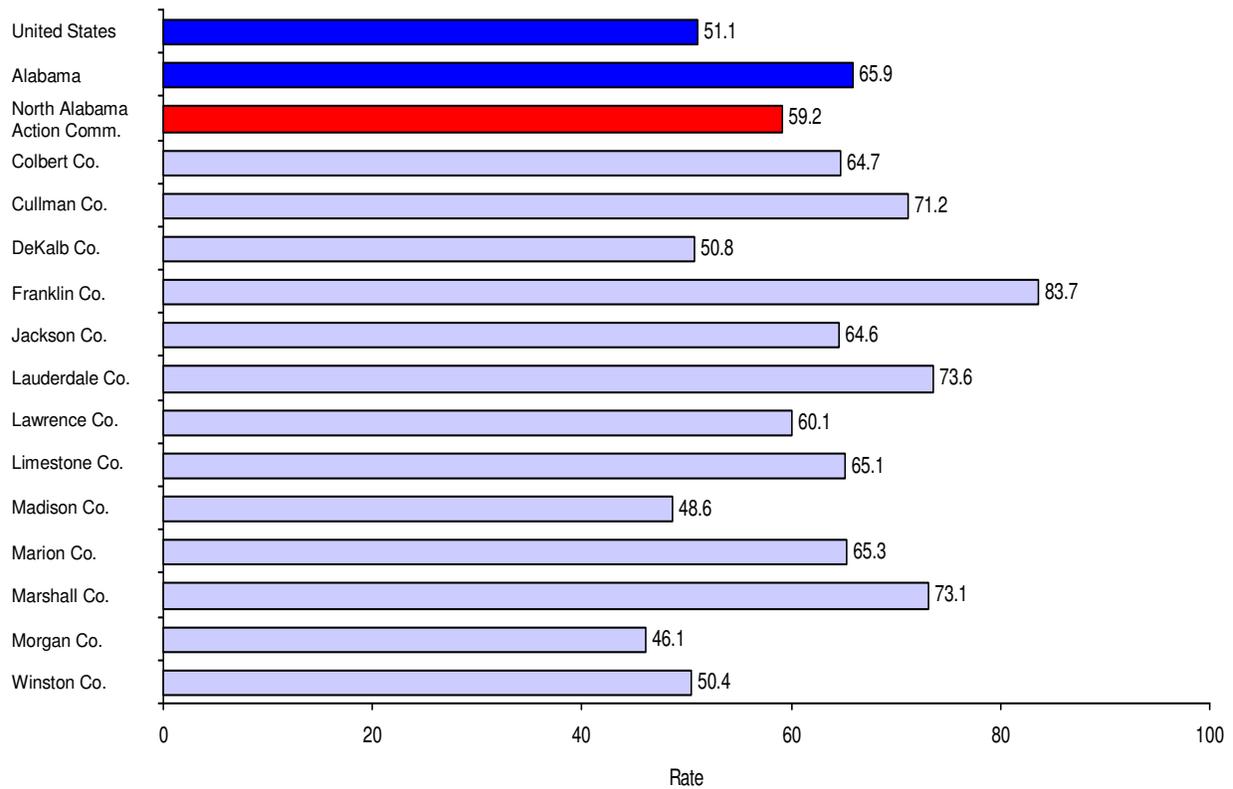


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
U.S. and Selected Alabama Areas, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths         | Rate Per 100,000 |
|--|-----------------------|----------------|------------------|
| <b>United States</b>                     | <b>Not Applicable</b> | <b>150,074</b> | <b>51.1</b>      |
| <b>Alabama</b>                           | <b>Not Applicable</b> | <b>8,934</b>   | <b>65.9</b>      |
| <b>Rural Alabama Counties</b>            | <b>Not Applicable</b> | <b>4,168</b>   | <b>69.9</b>      |
| <b>Highly Rural Alabama Counties</b>     | <b>Not Applicable</b> | <b>2,601</b>   | <b>75.3</b>      |
| <b>Moderately Rural Alabama Counties</b> | <b>Not Applicable</b> | <b>1,567</b>   | <b>62.5</b>      |
| <b>Rural North Alabama Counties</b>      | <b>Not Applicable</b> | <b>2,470</b>   | <b>68.9</b>      |
| <b>Rural South Alabama Counties</b>      | <b>Not Applicable</b> | <b>1,698</b>   | <b>71.5</b>      |
| <b>Urban Alabama Counties</b>            | <b>Not Applicable</b> | <b>4,766</b>   | <b>62.8</b>      |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the North Alabama Action Commission Counties, 2003-2005**

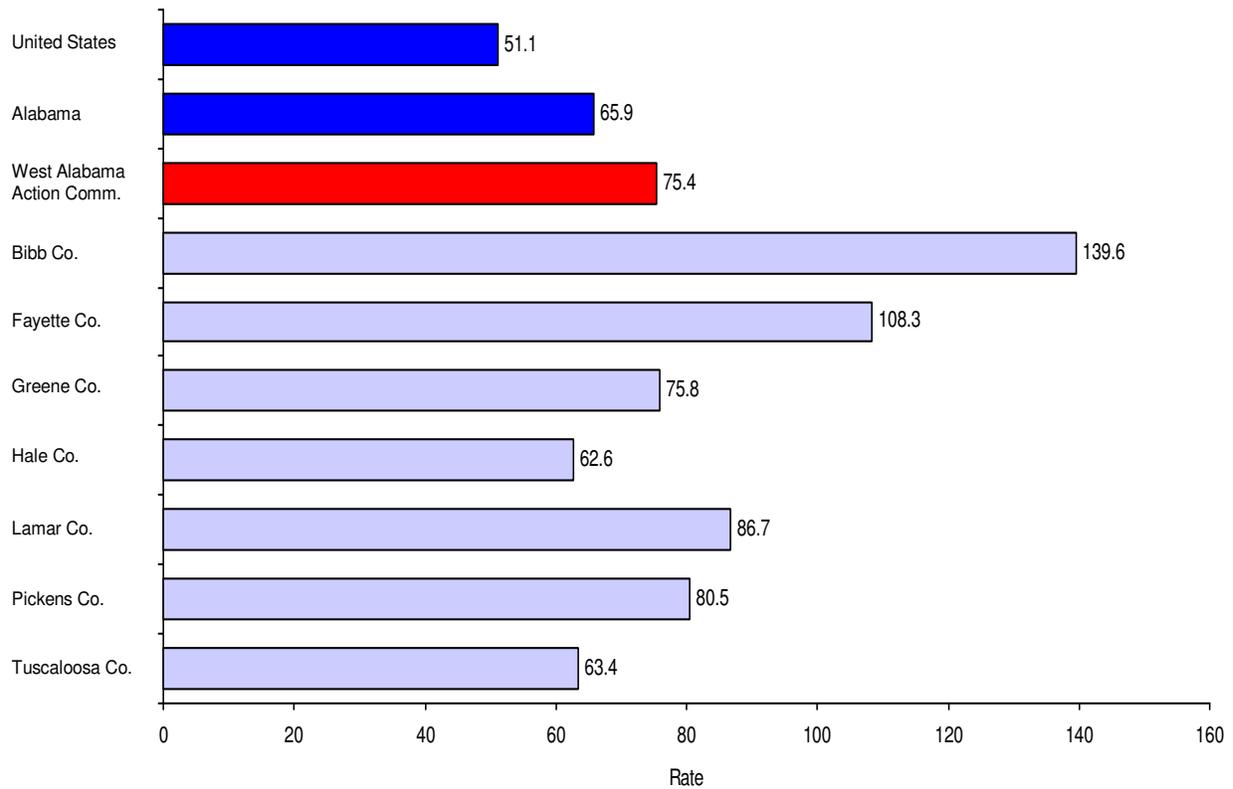


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
North Alabama Action Commission Counties, 2003 – 2005**

| Area                                   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>North Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,814</b> | <b>59.2</b>      |
| District's Rural Counties Combined     | Not Applicable        | 1,037        | 65.5             |
| District's Urban Counties Combined     | Not Applicable        | 777          | 52.5             |
| Colbert County                         | Yes                   | 106          | 64.7             |
| Cullman County                         | Yes                   | 169          | 71.2             |
| DeKalb County                          | Yes                   | 102          | 50.8             |
| Franklin County                        | Yes                   | 77           | 83.7             |
| Jackson County                         | Yes                   | 104          | 64.6             |
| Lauderdale County                      | No                    | 193          | 73.6             |
| Lawrence County                        | Yes                   | 62           | 60.1             |
| Limestone County                       | Yes                   | 135          | 65.1             |
| Madison County                         | No                    | 428          | 48.6             |
| Marion County                          | Yes                   | 59           | 65.3             |
| Marshall County                        | Yes                   | 186          | 73.1             |
| Morgan County                          | No                    | 156          | 46.1             |
| Winston County                         | Yes                   | 37           | 50.4             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the West Alabama Action Commission Counties, 2003-2005**

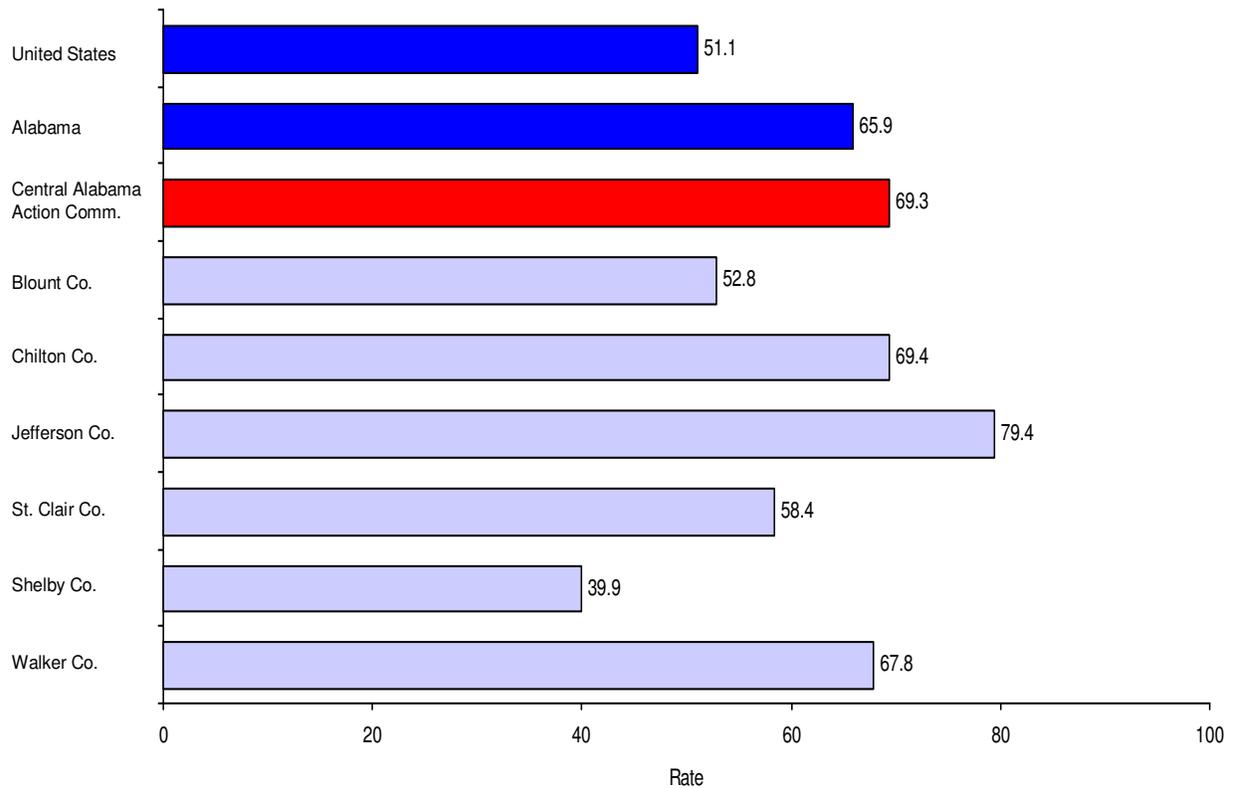


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
West Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths     | Rate Per 100,000 |
|---------------------------------------|-----------------------|------------|------------------|
| <b>West Alabama Action Commission</b> | <b>Not Applicable</b> | <b>609</b> | <b>75.4</b>      |
| District's Rural Counties Combined    | Not Applicable        | 292        | 95.0             |
| District's Urban Counties Combined    | Not Applicable        | 317        | 63.4             |
| Bibb County                           | Yes                   | 89         | 139.6            |
| Fayette County                        | Yes                   | 59         | 108.3            |
| Greene County                         | Yes                   | 22         | 75.8             |
| Hale County                           | Yes                   | 34         | 62.6             |
| Lamar County                          | Yes                   | 39         | 86.7             |
| Pickens County                        | Yes                   | 49         | 80.5             |
| Tuscaloosa County                     | No                    | 317        | 63.4             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the Central Alabama Action Commission Counties, 2003-2005**

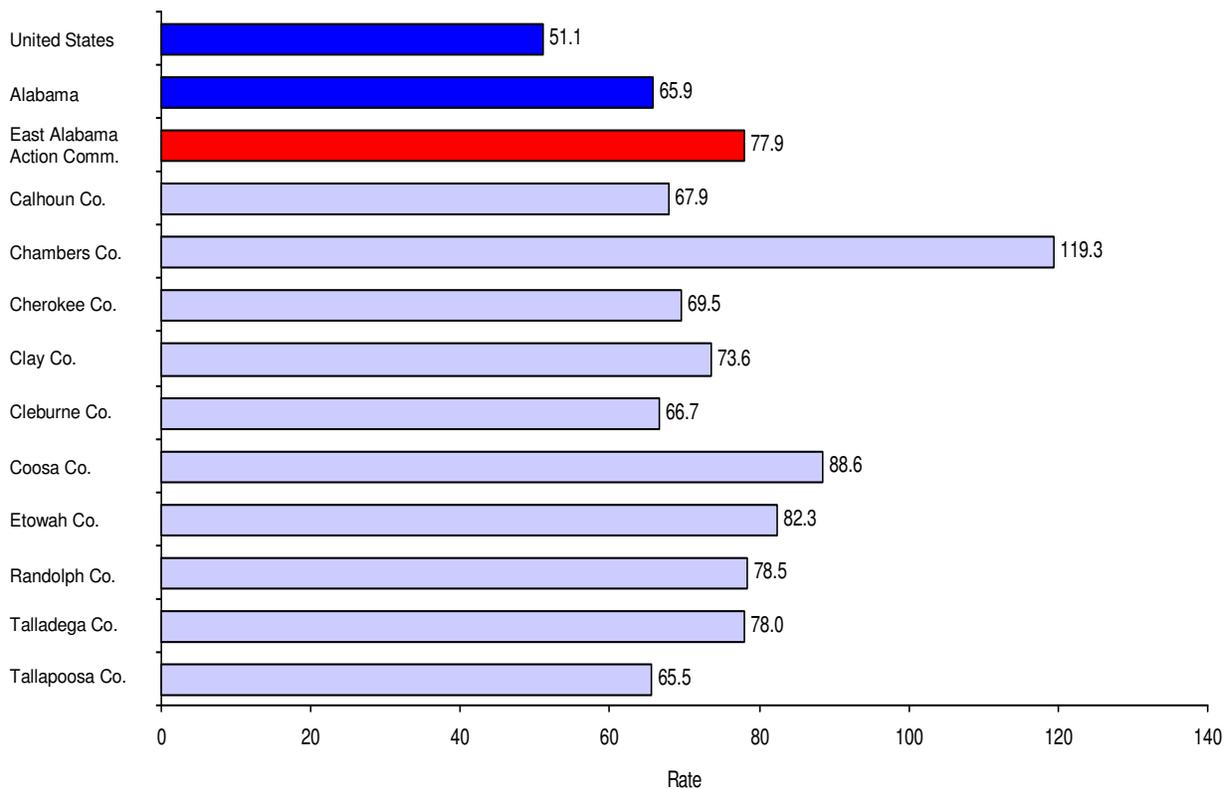


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Central Alabama Action Commission Counties, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>2,202</b> | <b>69.3</b>      |
| District's Rural Counties Combined       | Not Applicable        | 438          | 61.8             |
| District's Urban Counties Combined       | Not Applicable        | 1,764        | 71.5             |
| Blount County                            | Yes                   | 87           | 52.8             |
| Chilton County                           | Yes                   | 86           | 69.4             |
| Jefferson County                         | No                    | 1,566        | 79.4             |
| St. Clair County                         | Yes                   | 123          | 58.4             |
| Shelby County                            | No                    | 198          | 39.9             |
| Walker County                            | Yes                   | 142          | 67.8             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the East Alabama Action Commission Counties, 2003-2005**

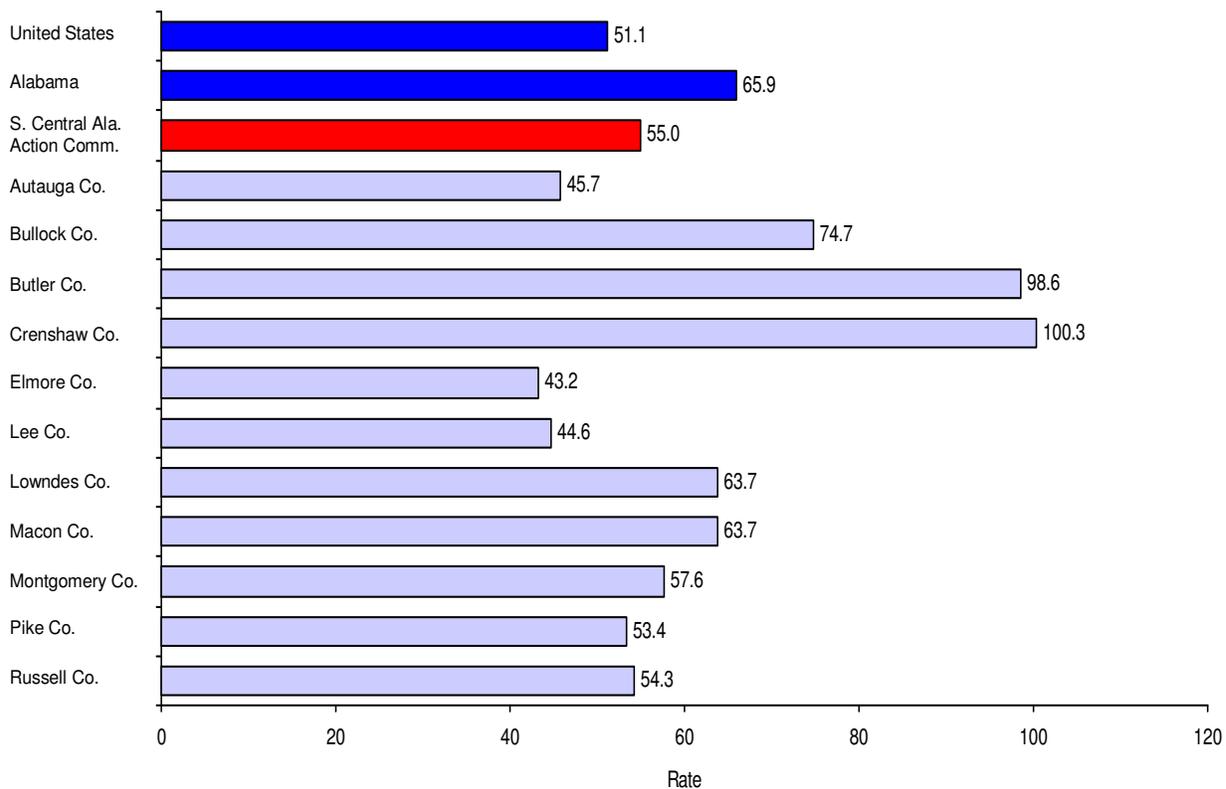


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
East Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths       | Rate Per 100,000 |
|---------------------------------------|-----------------------|--------------|------------------|
| <b>East Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,070</b> | <b>77.9</b>      |
| District's Rural Counties Combined    | Not Applicable        | 588          | 80.7             |
| District's Urban Counties Combined    | Not Applicable        | 482          | 74.8             |
| Calhoun County                        | No                    | 228          | 67.9             |
| Chambers County                       | Yes                   | 127          | 119.3            |
| Cherokee County                       | Yes                   | 51           | 69.5             |
| Clay County                           | Yes                   | 31           | 73.6             |
| Cleburne County                       | Yes                   | 29           | 66.7             |
| Coosa County                          | Yes                   | 30           | 88.6             |
| Etowah County                         | No                    | 254          | 82.3             |
| Randolph County                       | Yes                   | 53           | 78.5             |
| Talladega County                      | Yes                   | 187          | 78.0             |
| Tallapoosa County                     | Yes                   | 80           | 65.5             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the South Central Alabama Action Commission Counties, 2003-2005**

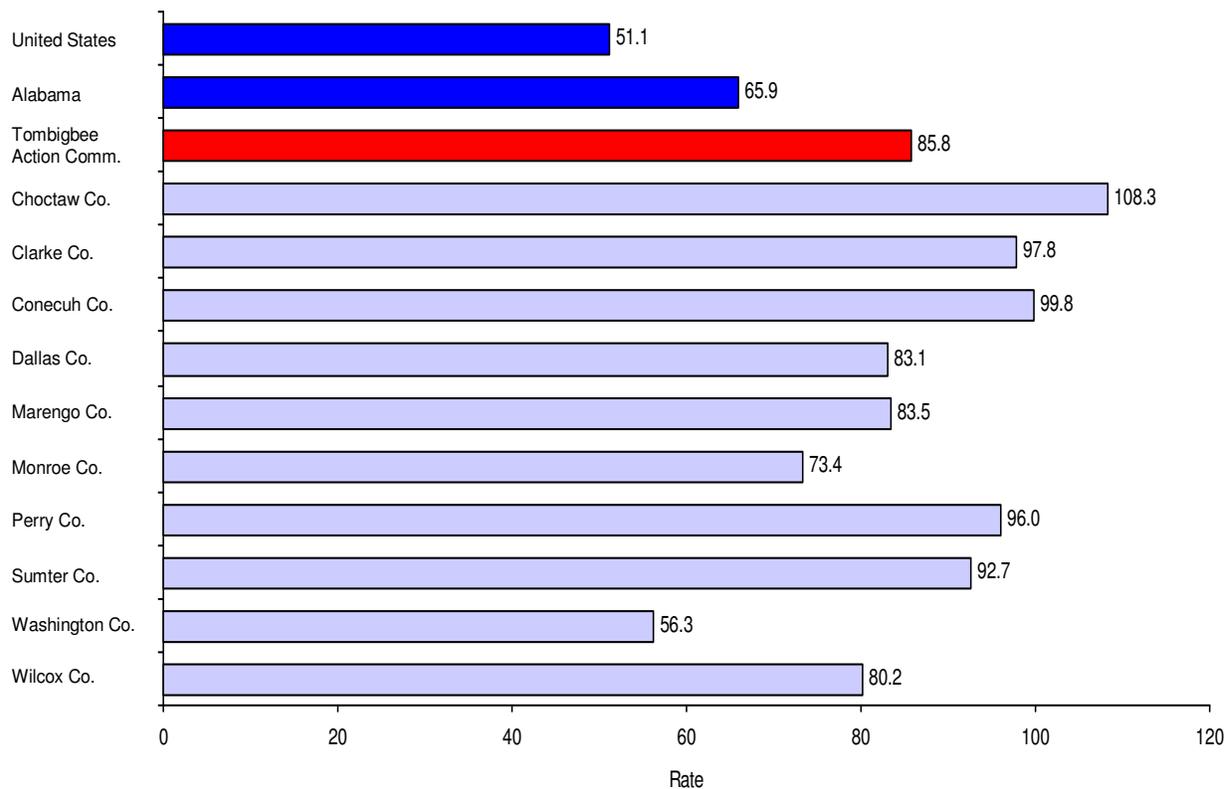


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
South Central Alabama Action Commission Counties, 2003 – 2005**

| Area   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>South Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,024</b> | <b>55.0</b>      |
| District's Rural Counties Combined             | Not Applicable        | 481          | 57.5             |
| District's Urban Counties Combined             | Not Applicable        | 543          | 53.0             |
| Autauga County                                 | Yes                   | 65           | 45.7             |
| Bullock County                                 | Yes                   | 25           | 74.7             |
| Butler County                                  | Yes                   | 61           | 98.6             |
| Crenshaw County                                | Yes                   | 41           | 100.3            |
| Elmore County                                  | Yes                   | 93           | 43.2             |
| Lee County                                     | No                    | 161          | 44.6             |
| Lowndes County                                 | Yes                   | 25           | 63.7             |
| Macon County                                   | Yes                   | 44           | 63.7             |
| Montgomery County                              | No                    | 382          | 57.6             |
| Pike County                                    | Yes                   | 47           | 53.4             |
| Russell County                                 | Yes                   | 80           | 54.3             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the Tombigbee Action Commission Counties, 2003-2005**

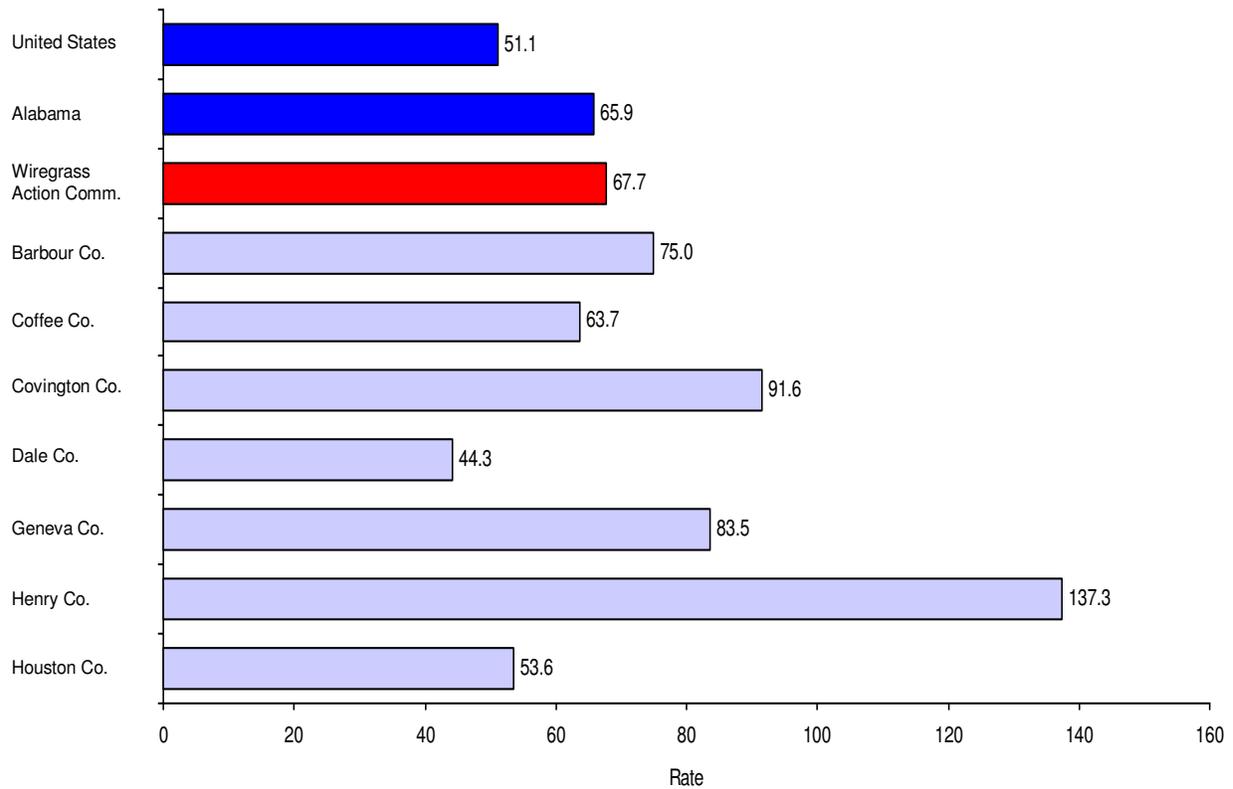


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Tombigbee Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Tombigbee Action Commission</b> | <b>Not Applicable</b> | <b>520</b>                    | <b>85.8</b>      |
| District's Rural Counties Combined | Not Applicable        | 520                           | 85.8             |
| District's Urban Counties Combined | Not Applicable        | No Urban Counties in District |                  |
| Choctaw County                     | Yes                   | 49                            | 108.3            |
| Clarke County                      | Yes                   | 80                            | 97.8             |
| Conecuh County                     | Yes                   | 40                            | 99.8             |
| Dallas County                      | Yes                   | 111                           | 83.1             |
| Marengo County                     | Yes                   | 55                            | 83.5             |
| Monroe County                      | Yes                   | 52                            | 73.4             |
| Perry County                       | Yes                   | 33                            | 96.0             |
| Sumter County                      | Yes                   | 39                            | 92.7             |
| Washington County                  | Yes                   | 30                            | 56.3             |
| Wilcox County                      | Yes                   | 31                            | 80.2             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the Wiregrass Action Commission Counties, 2003-2005**

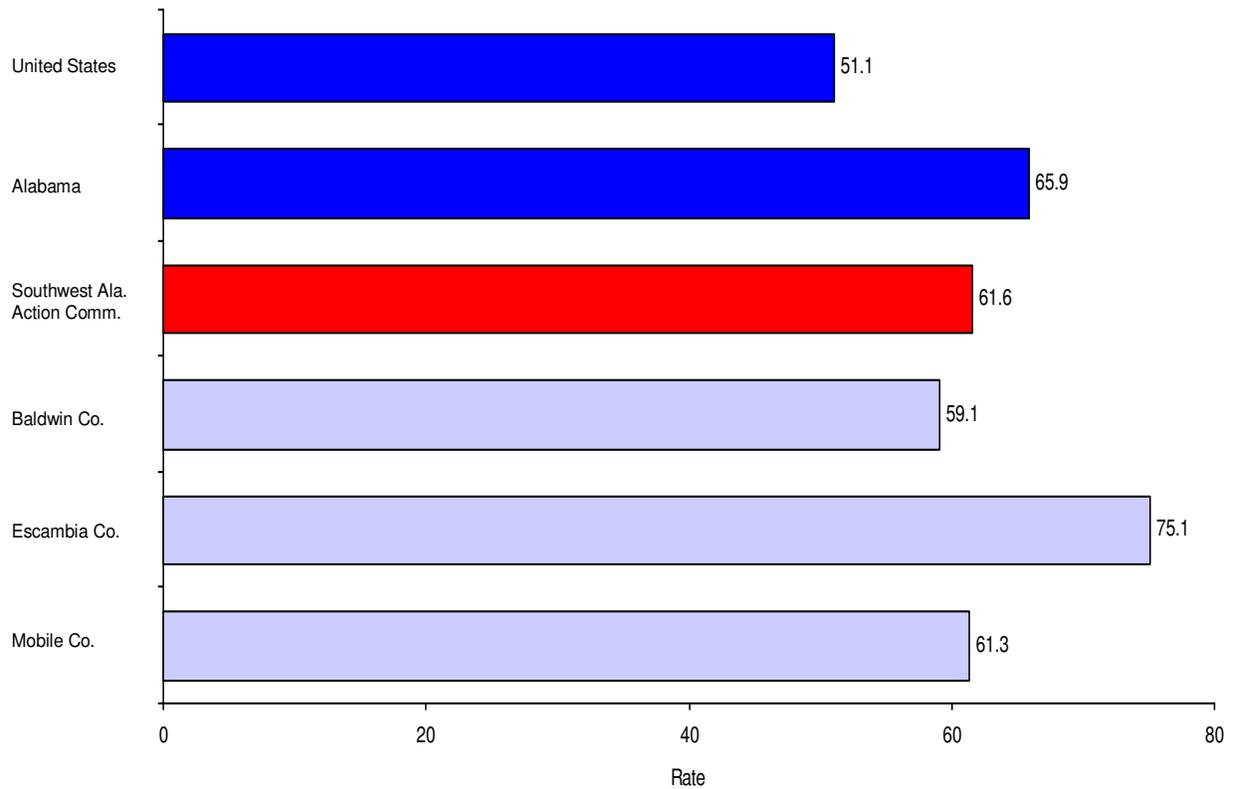


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Wiregrass Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths     | Rate Per 100,000 |
|------------------------------------|-----------------------|------------|------------------|
| <b>Wiregrass Action Commission</b> | <b>Not Applicable</b> | <b>597</b> | <b>67.7</b>      |
| District's Rural Counties Combined | Not Applicable        | 448        | 74.2             |
| District's Urban Counties Combined | Not Applicable        | 149        | 53.6             |
| Barbour County                     | Yes                   | 64         | 75.0             |
| Coffee County                      | Yes                   | 86         | 63.7             |
| Covington County                   | Yes                   | 101        | 91.6             |
| Dale County                        | Yes                   | 65         | 44.3             |
| Geneva County                      | Yes                   | 64         | 83.5             |
| Henry County                       | Yes                   | 68         | 137.3            |
| Houston County                     | No                    | 149        | 53.6             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the Southwest Alabama Action Commission Counties, 2003-2005**

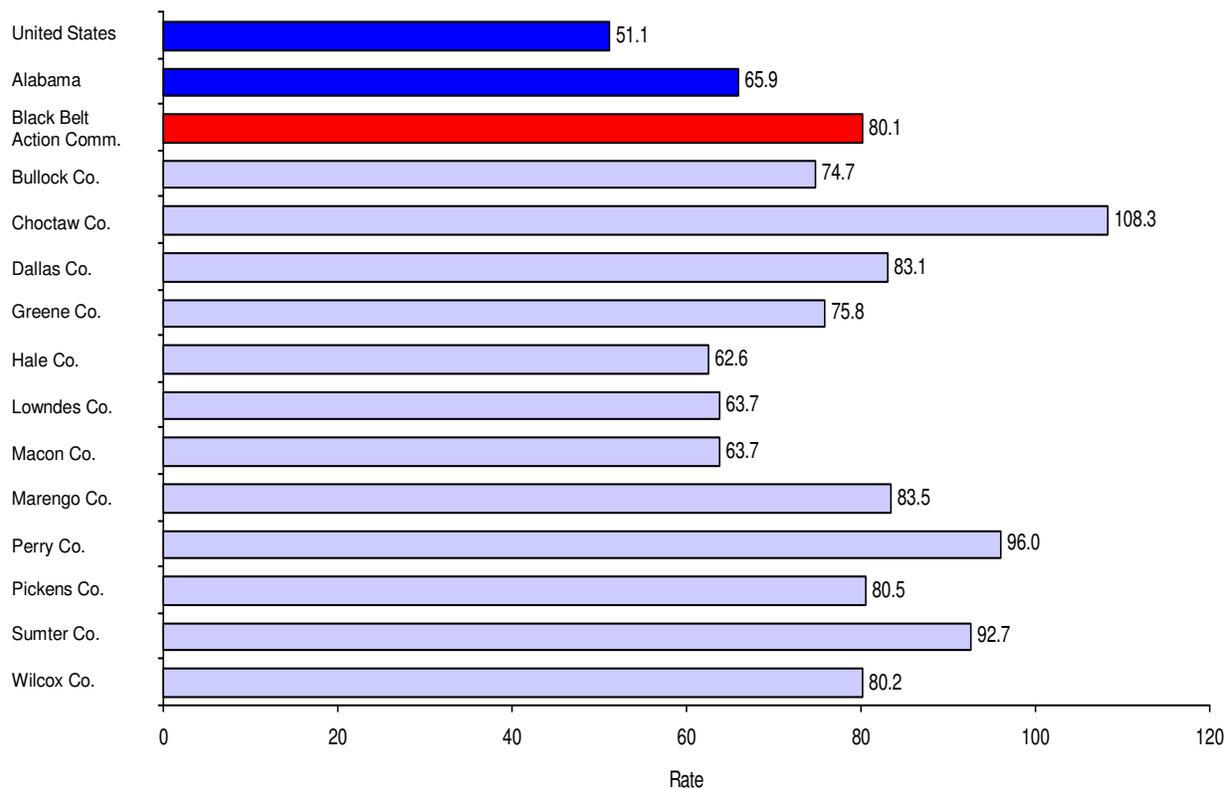


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Southwest Alabama Action Commission Counties, 2003 – 2005**

| Area                                       | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Southwest Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,098</b> | <b>61.6</b>      |
| District's Rural Counties Combined         | Not Applicable        | 364          | 62.2             |
| District's Urban Counties Combined         | Not Applicable        | 734          | 61.3             |
| Baldwin County                             | Yes                   | 278          | 59.1             |
| Escambia County                            | Yes                   | 86           | 75.1             |
| Mobile County                              | No                    | 734          | 61.3             |

**Cerebrovascular Diseases Mortality Rates  
U.S. Alabama, and the Black Belt Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Black Belt Action Commission Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|-------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Black Belt Action Commission</b> | <b>Not Applicable</b> | <b>517</b>                    | <b>80.1</b>      |
| District's Rural Counties Combined  | Not Applicable        | 517                           | 80.1             |
| District's Urban Counties Combined  | Not Applicable        | No Urban Counties in District |                  |
| Bullock County                      | Yes                   | 25                            | 74.7             |
| Choctaw County                      | Yes                   | 49                            | 108.3            |
| Dallas County                       | Yes                   | 111                           | 83.1             |
| Greene County                       | Yes                   | 22                            | 75.8             |
| Hale County                         | Yes                   | 34                            | 62.6             |
| Lowndes County                      | Yes                   | 25                            | 63.7             |
| Macon County                        | Yes                   | 44                            | 63.7             |
| Marengo County                      | Yes                   | 55                            | 83.5             |
| Perry County                        | Yes                   | 33                            | 96.0             |
| Pickens County                      | Yes                   | 49                            | 80.5             |
| Sumter County                       | Yes                   | 39                            | 92.7             |
| Wilcox County                       | Yes                   | 31                            | 80.2             |

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Alabama's Appalachian Region Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths       | Rate Per 100,000 |
|-------------------------------------|-----------------------|--------------|------------------|
| <b>Alabama's Appalachian Region</b> | <b>Not Applicable</b> | <b>5,810</b> | <b>67.0</b>      |
| Region's Rural Counties Combined    | Not Applicable        | 2,470        | 68.9             |
| Region's Urban Counties Combined    | Not Applicable        | 3,340        | 65.6             |
| Bibb County                         | Yes                   | 89           | 139.6            |
| Blount County                       | Yes                   | 87           | 52.8             |
| Calhoun County                      | No                    | 228          | 67.9             |
| Chambers County                     | Yes                   | 127          | 119.3            |
| Cherokee County                     | Yes                   | 51           | 69.5             |
| Chilton County                      | Yes                   | 86           | 69.4             |
| Clay County                         | Yes                   | 31           | 73.6             |
| Cleburne County                     | Yes                   | 29           | 66.7             |
| Colbert County                      | Yes                   | 106          | 64.7             |
| Coosa County                        | Yes                   | 30           | 88.6             |
| Cullman County                      | Yes                   | 169          | 71.2             |
| DeKalb County                       | Yes                   | 102          | 50.8             |
| Elmore County                       | Yes                   | 93           | 43.2             |
| Etowah County                       | No                    | 254          | 82.3             |
| Fayette County                      | Yes                   | 59           | 108.3            |
| Franklin County                     | Yes                   | 77           | 83.7             |
| Hale County                         | Yes                   | 34           | 62.6             |
| Jackson County                      | Yes                   | 104          | 64.6             |
| Jefferson County                    | No                    | 1,566        | 79.4             |
| Lamar County                        | Yes                   | 39           | 86.7             |
| Lauderdale County                   | No                    | 193          | 73.6             |
| Lawrence County                     | Yes                   | 62           | 60.1             |
| Limestone County                    | Yes                   | 135          | 65.1             |
| Macon County                        | Yes                   | 44           | 63.7             |
| Madison County                      | No                    | 428          | 48.6             |
| Marion County                       | Yes                   | 59           | 65.3             |
| Marshall County                     | Yes                   | 186          | 73.1             |
| Morgan County                       | No                    | 156          | 46.1             |
| Pickens County                      | Yes                   | 49           | 80.5             |
| Randolph County                     | Yes                   | 53           | 78.5             |
| St. Clair County                    | Yes                   | 123          | 58.4             |
| Shelby County                       | No                    | 198          | 39.9             |
| Talladega County                    | Yes                   | 187          | 78.0             |
| Tallapoosa County                   | Yes                   | 80           | 65.5             |
| Tuscaloosa County                   | No                    | 317          | 63.4             |
| Walker County                       | Yes                   | 142          | 67.8             |
| Winston County                      | Yes                   | 37           | 50.4             |

For additional information on the Appalachian Region, visit the Appalachian Regional Commission's Web site at <http://www.arc.gov/index.jsp>; the Appalachian Regional Commission – Alabama Programs Office Web site at <http://www.adeca.alabama.gov/default.aspx>; or contact Bonnie Durham, Alabama Program Manager at (256) 845-3472.

**Cerebrovascular Diseases (Stroke) Mortality and Mortality Rates  
Alabama's Delta Region Counties, 2003 – 2005**

| <b>Area</b>                      | <b>Is County Rural?</b> | <b>Deaths</b>               | <b>Rate Per 100,000</b> |
|----------------------------------|-------------------------|-----------------------------|-------------------------|
| <b>Alabama's Delta Region</b>    | <b>Not Applicable</b>   | <b>1,010</b>                | <b>77.6</b>             |
| Region's Rural Counties Combined | Not Applicable          | <b>1,010</b>                | <b>77.6</b>             |
| Region's Urban Counties Combined | Not Applicable          | No Urban Counties in Region |                         |
| Barbour County                   | Yes                     | 64                          | 75.0                    |
| Bullock County                   | Yes                     | 25                          | 74.7                    |
| Butler County                    | Yes                     | 61                          | 98.6                    |
| Choctaw County                   | Yes                     | 49                          | 108.3                   |
| Clarke County                    | Yes                     | 80                          | 97.8                    |
| Conecuh County                   | Yes                     | 40                          | 99.8                    |
| Dallas County                    | Yes                     | 111                         | 83.1                    |
| Escambia County                  | Yes                     | 86                          | 75.1                    |
| Greene County                    | Yes                     | 22                          | 75.8                    |
| Hale County                      | Yes                     | 34                          | 62.6                    |
| Lowndes County                   | Yes                     | 25                          | 63.7                    |
| Macon County                     | Yes                     | 44                          | 63.7                    |
| Marengo County                   | Yes                     | 55                          | 83.5                    |
| Monroe County                    | Yes                     | 52                          | 73.4                    |
| Perry County                     | Yes                     | 33                          | 96.0                    |
| Pickens County                   | Yes                     | 49                          | 80.5                    |
| Russell County                   | Yes                     | 80                          | 54.3                    |
| Sumter County                    | Yes                     | 39                          | 92.7                    |
| Washington County                | Yes                     | 30                          | 56.3                    |
| Wilcox County                    | Yes                     | 31                          | 80.2                    |

For additional information on the Delta Region, visit the Delta Regional Authority's Web site at <http://www.dra.gov/> or contact one of the Delta Regional Authority – Local Development District Offices as follows:

Alabama – Tombigbee Regional Commission, (334) 682-4234 (Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox counties)

Lee – Russell Council of Governments, (334) 749-5264 (Russell County)

South Alabama Regional Planning Commission, (251) 433-6541 (Escambia County)

South Central Alabama Development Commission (334) 244-6903 (Bullock, Butler, Lowndes, and Macon counties)

Southeast Alabama Regional Planning and Development Commission, (334) 794-4093 (Barbour County)

West Alabama Planning and Development Council, (205) 333-2990 (Greene, Hale, and Pickens counties)

## **Indicators of Health Status in Alabama:**

### **ACCIDENT MORTALITY**

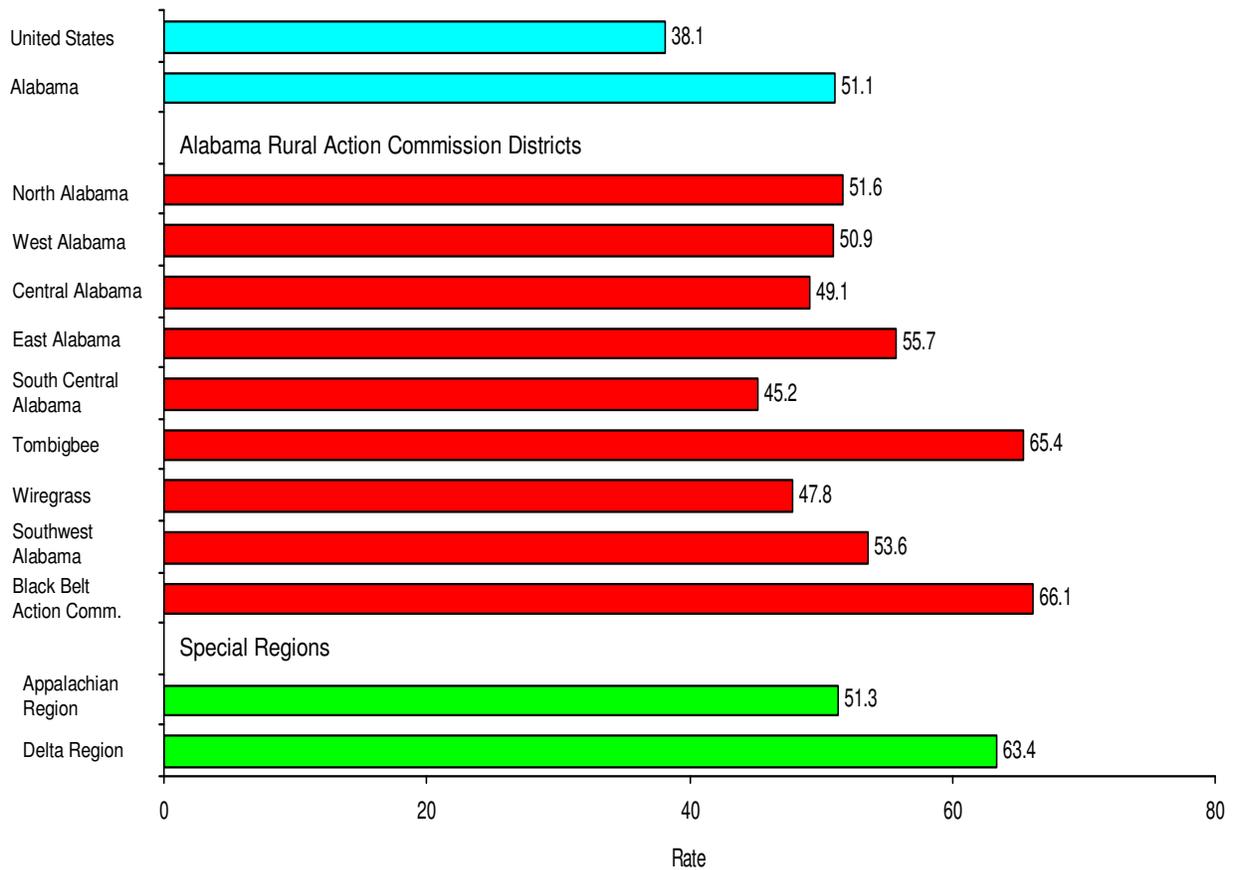
Individuals at risk of death from accidents usually:

- are over age 65 or are children.
- have underlying medical conditions which make accidents more hazardous.
- may be on sedative prescription medications which increase the chance of accidents.
- have medical conditions which predispose to an accident.
- have dwellings with poor lighting or objects such as throw rugs present which make accidents more likely to happen.
- operate vehicles, machinery, or equipment that they are not adequately trained to operate.
- ride with or work around those who operate vehicles, machinery, or equipment that they are not adequately trained to operate.

Individuals at risk for accidents should:

- use available safety devices such as seat belts, harnesses, and child restraints.
- operate vehicles that have safety devices installed and operational.
- have operating smoke detectors, safe playground equipment, and other safety promoting devices where possible.
- improve lighting in residences and remove throw rugs and loose wiring across floors which could cause an accident.
- review medications with physician to reduce or eliminate those which are sedating and substitute non-sedating medications when possible.
- ask a physician to determine if a condition is present which could contribute to the occurrence of accidents and take appropriate corrective measures.
- have persons present who are trained in responding to accidents, such as the Heimlich maneuver.

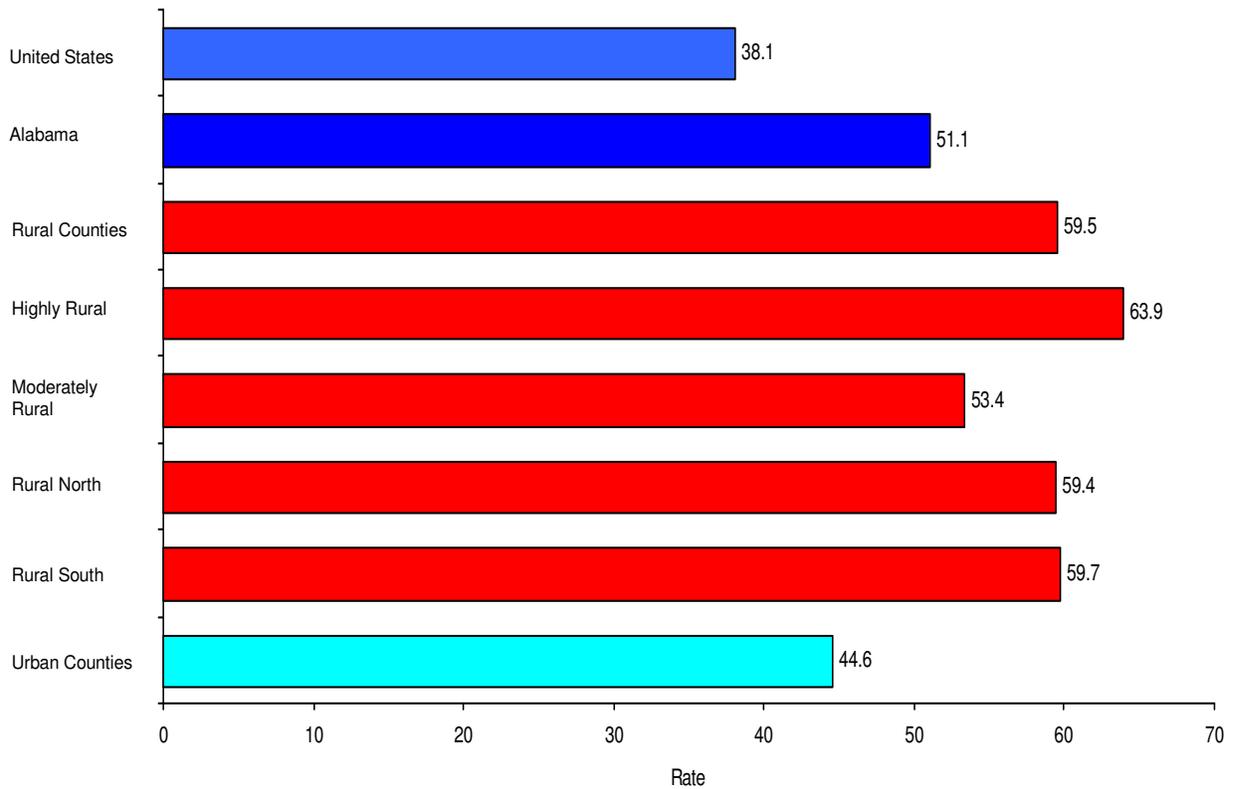
**Accident Mortality Rates for 2003-2005**  
**U.S., Alabama, Alabama Rural Action Commission Districts, and Special Regions In Alabama**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

-  Accidents have been the fourth leading cause of death in Alabama since 1949 with very few exceptions.
-  Alabama currently has the 6<sup>th</sup> highest accident mortality rate among all 50 states, the 5<sup>th</sup> highest motor vehicle accident mortality rate among all states, and the 3<sup>rd</sup> highest fire-related accident mortality rate among all states.
-  Alabama lost 6,931 residents to accidents during 2003-2005.
-  47 of the 50 Alabama counties with the highest accident mortality rates, including the 32 highest rates, are rural counties.

**Accident Mortality Rates  
U.S. and Selected Alabama Areas, 2003-2005**

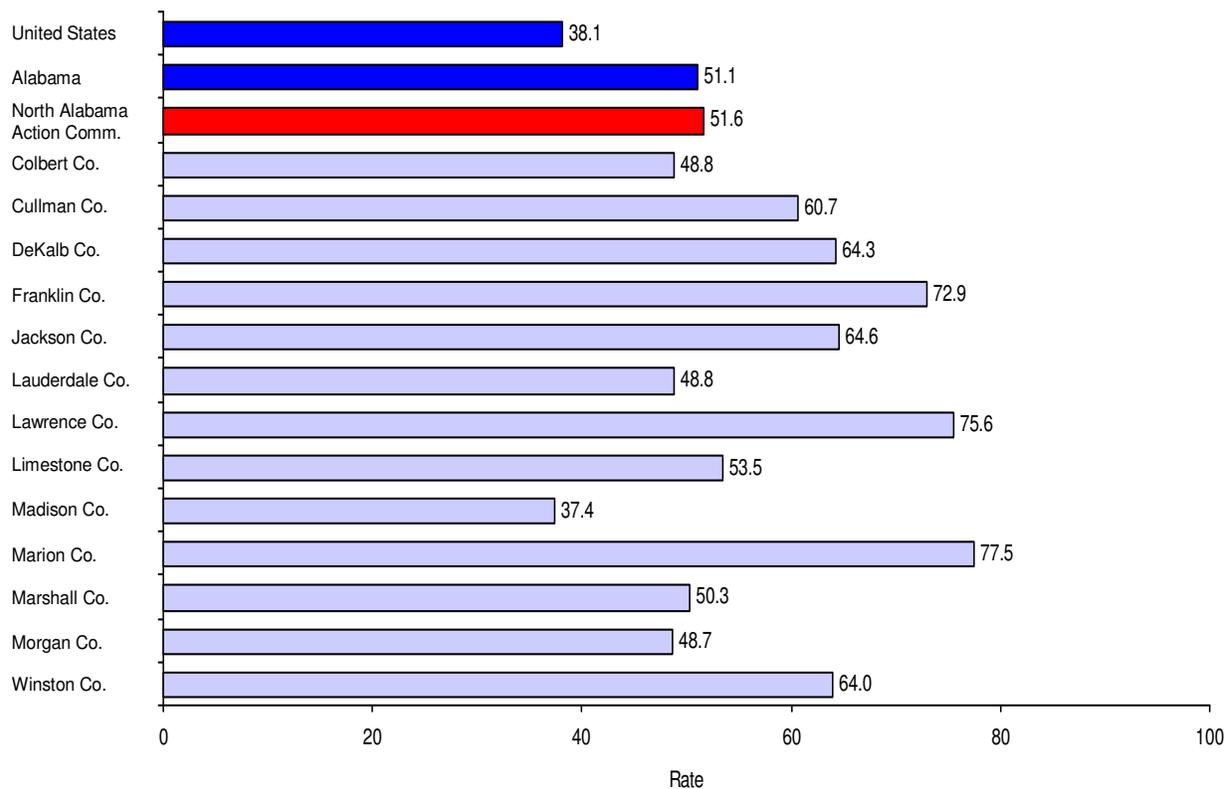


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
U.S. and Selected Alabama Areas, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths         | Rate Per 100,000 |
|--|-----------------------|----------------|------------------|
| <b>United States</b>                     | <b>Not Applicable</b> | <b>112,012</b> | <b>38.1</b>      |
| <b>Alabama</b>                           | <b>Not Applicable</b> | <b>6,931</b>   | <b>51.1</b>      |
| <b>Rural Alabama Counties</b>            | <b>Not Applicable</b> | <b>3,546</b>   | <b>59.5</b>      |
| <b>Highly Rural Alabama Counties</b>     | <b>Not Applicable</b> | <b>2,207</b>   | <b>63.9</b>      |
| <b>Moderately Rural Alabama Counties</b> | <b>Not Applicable</b> | <b>1,339</b>   | <b>53.4</b>      |
| <b>Rural North Alabama Counties</b>      | <b>Not Applicable</b> | <b>2,128</b>   | <b>59.4</b>      |
| <b>Rural South Alabama Counties</b>      | <b>Not Applicable</b> | <b>1,418</b>   | <b>59.7</b>      |
| <b>Urban Alabama Counties</b>            | <b>Not Applicable</b> | <b>3,385</b>   | <b>44.6</b>      |

**Accident Mortality Rates  
U.S. Alabama, and the North Alabama Action Commission Counties, 2003-2005**

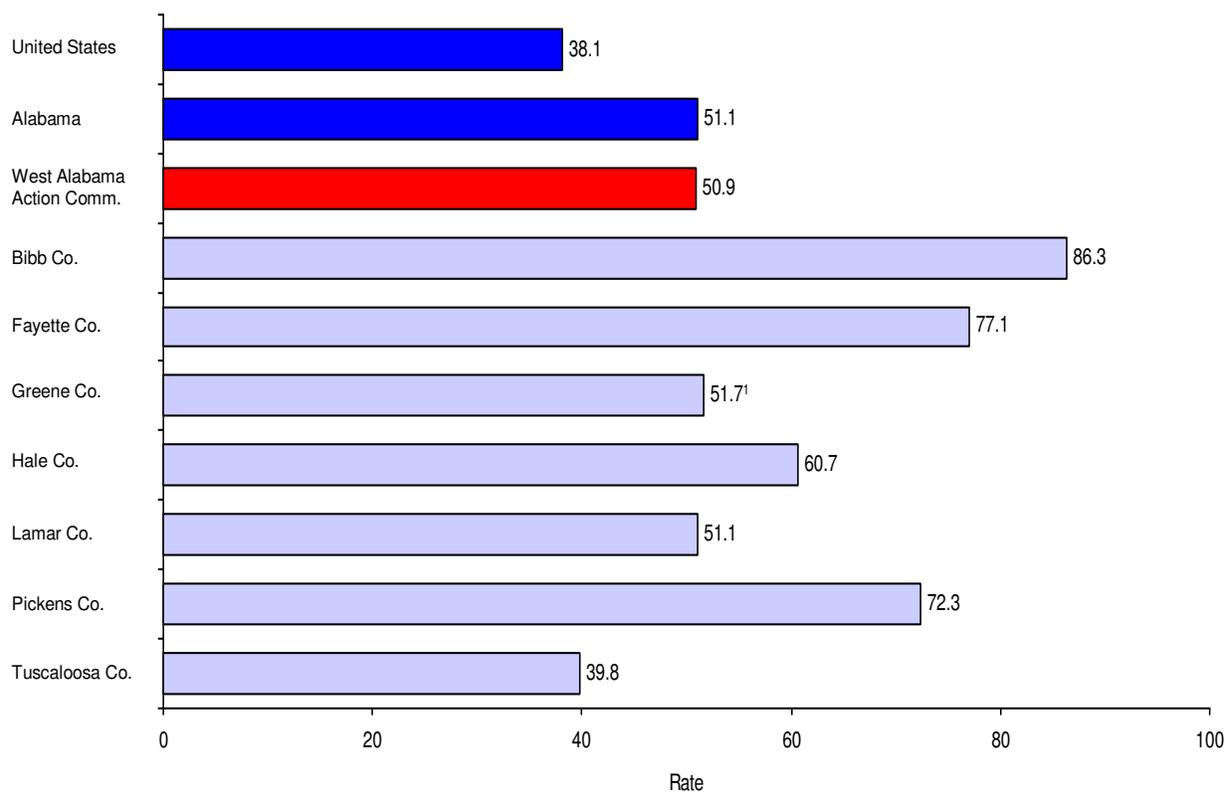


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
North Alabama Action Commission Counties, 2003 – 2005**

| Area                                   | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>North Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,580</b> | <b>51.6</b>      |
| District's Rural Counties Combined     | Not Applicable        | 958          | 60.5             |
| District's Urban Counties Combined     | Not Applicable        | 622          | 42.0             |
| Colbert County                         | Yes                   | 80           | 48.8             |
| Cullman County                         | Yes                   | 144          | 60.7             |
| DeKalb County                          | Yes                   | 129          | 64.3             |
| Franklin County                        | Yes                   | 67           | 72.9             |
| Jackson County                         | Yes                   | 104          | 64.6             |
| Lauderdale County                      | No                    | 128          | 48.8             |
| Lawrence County                        | Yes                   | 78           | 75.6             |
| Limestone County                       | Yes                   | 111          | 53.5             |
| Madison County                         | No                    | 329          | 37.4             |
| Marion County                          | Yes                   | 70           | 77.5             |
| Marshall County                        | Yes                   | 128          | 50.3             |
| Morgan County                          | No                    | 165          | 48.7             |
| Winston County                         | Yes                   | 47           | 64.0             |

**Accident Mortality Rates  
U.S. Alabama, and the West Alabama Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

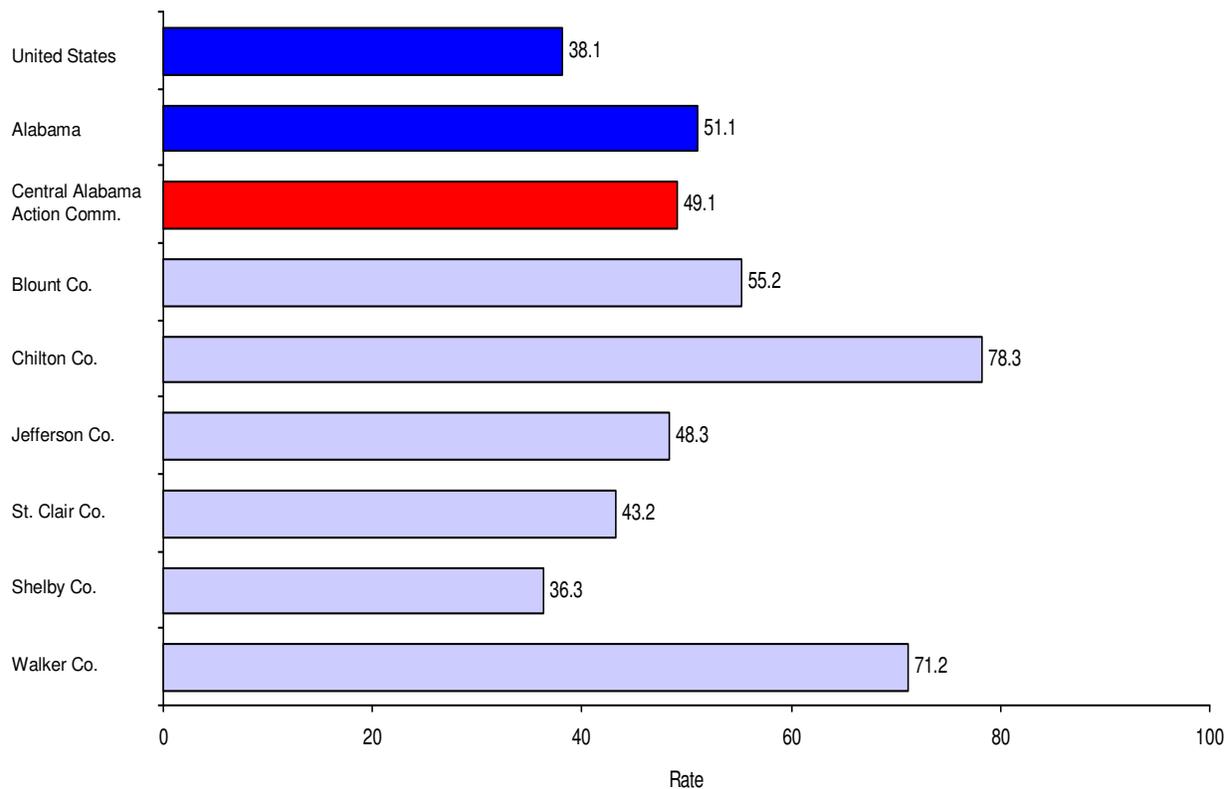
<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Accidents Mortality and Mortality Rates  
West Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths     | Rate Per 100,000  |
|---------------------------------------|-----------------------|------------|-------------------|
| <b>West Alabama Action Commission</b> | <b>Not Applicable</b> | <b>411</b> | <b>50.9</b>       |
| District's Rural Counties Combined    | Not Applicable        | 212        | 69                |
| District's Urban Counties Combined    | Not Applicable        | 199        | 39.8              |
| Bibb County                           | Yes                   | 55         | 86.3              |
| Fayette County                        | Yes                   | 42         | 77.1              |
| Greene County                         | Yes                   | 15         | 51.7 <sup>1</sup> |
| Hale County                           | Yes                   | 33         | 60.7              |
| Lamar County                          | Yes                   | 23         | 51.1              |
| Pickens County                        | Yes                   | 44         | 72.3              |
| Tuscaloosa County                     | No                    | 199        | 39.8              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Accident Mortality Rates  
U.S. Alabama, and the Central Alabama Action Commission Counties, 2003-2005**

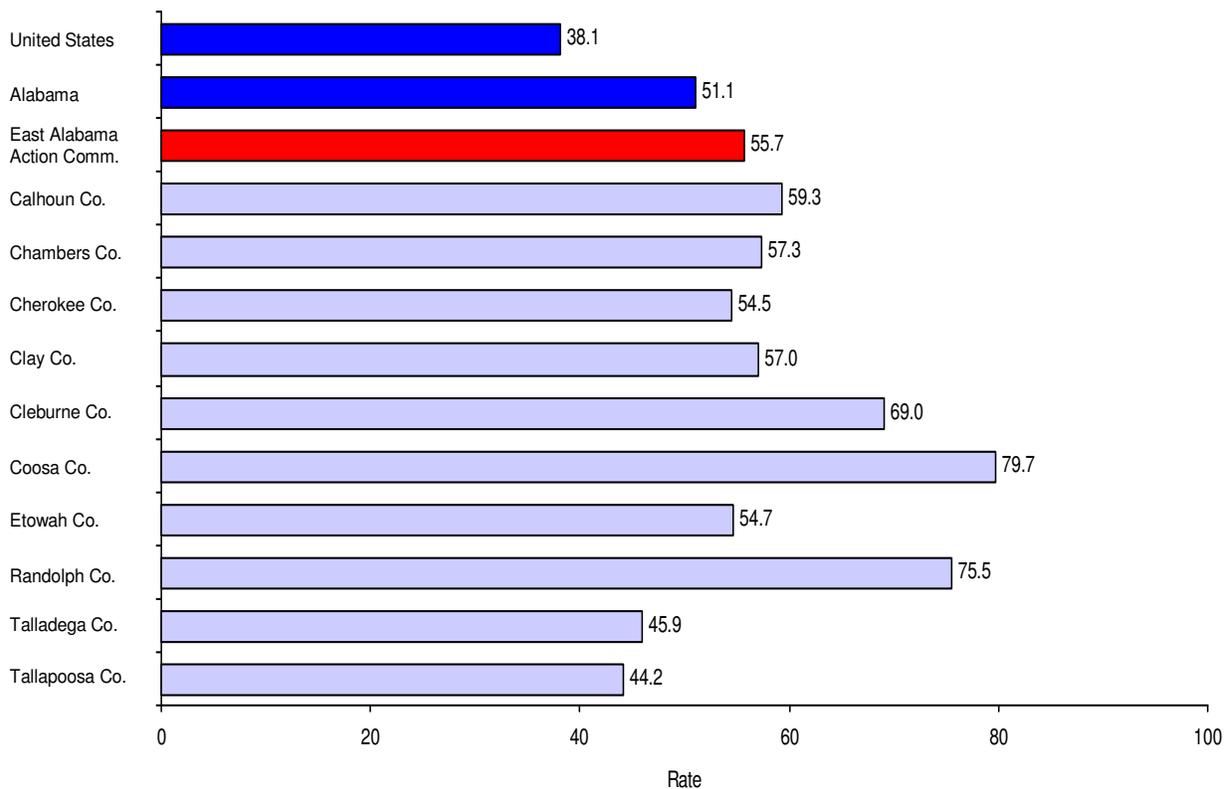


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
Central Alabama Action Commission Counties, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths       | Rate Per 100,000 |
|--|-----------------------|--------------|------------------|
| <b>Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>1,560</b> | <b>49.1</b>      |
| District's Rural Counties Combined       | Not Applicable        | 428          | 60.4             |
| District's Urban Counties Combined       | Not Applicable        | 1,132        | 45.9             |
| Blount County                            | Yes                   | 91           | 55.2             |
| Chilton County                           | Yes                   | 97           | 78.3             |
| Jefferson County                         | No                    | 952          | 48.3             |
| St. Clair County                         | Yes                   | 91           | 43.2             |
| Shelby County                            | No                    | 180          | 36.3             |
| Walker County                            | Yes                   | 149          | 71.2             |

**Accident Mortality Rates  
U.S. Alabama, and the East Alabama Action Commission Counties, 2003-2005**

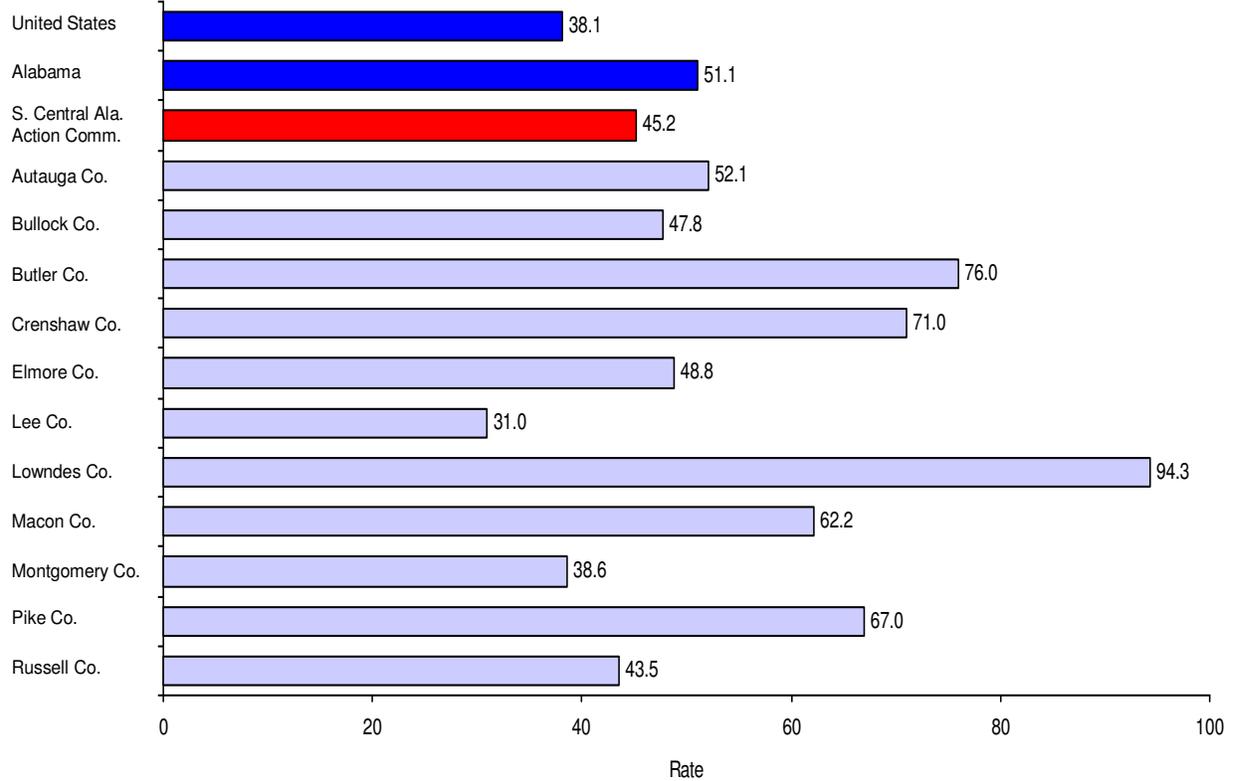


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
East Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths     | Rate Per 100,000 |
|---------------------------------------|-----------------------|------------|------------------|
| <b>East Alabama Action Commission</b> | <b>Not Applicable</b> | <b>765</b> | <b>55.7</b>      |
| District's Rural Counties Combined    | Not Applicable        | 397        | 54.5             |
| District's Urban Counties Combined    | Not Applicable        | 368        | 57.1             |
| Calhoun County                        | No                    | 199        | 59.3             |
| Chambers County                       | Yes                   | 61         | 57.3             |
| Cherokee County                       | Yes                   | 40         | 54.5             |
| Clay County                           | Yes                   | 24         | 57.0             |
| Cleburne County                       | Yes                   | 30         | 69.0             |
| Coosa County                          | Yes                   | 27         | 79.7             |
| Etowah County                         | No                    | 169        | 54.7             |
| Randolph County                       | Yes                   | 51         | 75.5             |
| Talladega County                      | Yes                   | 110        | 45.9             |
| Tallapoosa County                     | Yes                   | 54         | 44.2             |

**Accident Mortality Rates  
U.S. Alabama, and the South Central Alabama Action Commission Counties, 2003-2005**

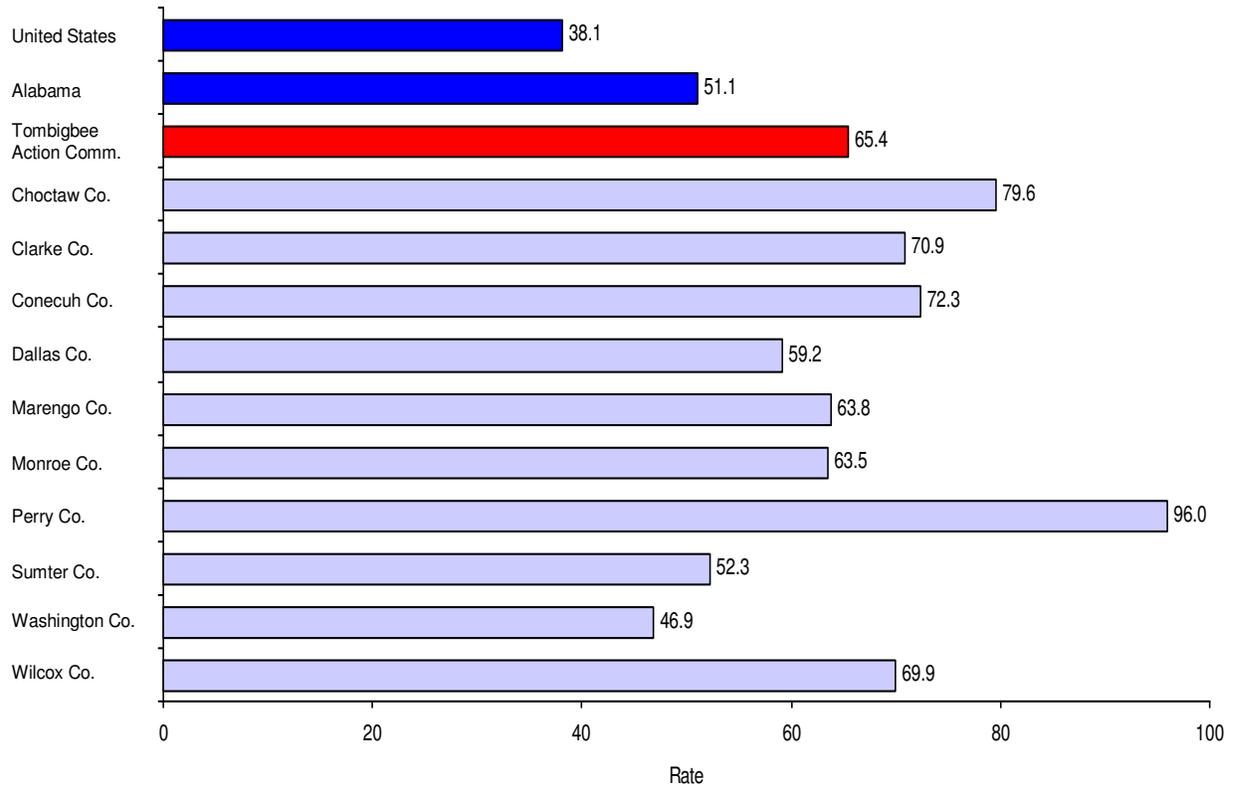


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
South Central Alabama Action Commission Counties, 2003 – 2005**

| Area   | Is County Rural?      | Deaths     | Rate Per 100,000 |
|--|-----------------------|------------|------------------|
| <b>South Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>842</b> | <b>45.2</b>      |
| District's Rural Counties Combined             | Not Applicable        | 474        | 56.6             |
| District's Urban Counties Combined             | Not Applicable        | 368        | 35.9             |
| Autauga County                                 | Yes                   | 74         | 52.1             |
| Bullock County                                 | Yes                   | 16         | 47.8             |
| Butler County                                  | Yes                   | 47         | 76.0             |
| Crenshaw County                                | Yes                   | 29         | 71.0             |
| Elmore County                                  | Yes                   | 105        | 48.8             |
| Lee County                                     | No                    | 112        | 31.0             |
| Lowndes County                                 | Yes                   | 37         | 94.3             |
| Macon County                                   | Yes                   | 43         | 62.2             |
| Montgomery County                              | No                    | 256        | 38.6             |
| Pike County                                    | Yes                   | 59         | 67.0             |
| Russell County                                 | Yes                   | 64         | 43.5             |

**Accident Mortality Rates  
U.S. Alabama, and the Tombigbee Action Commission Counties, 2003-2005**

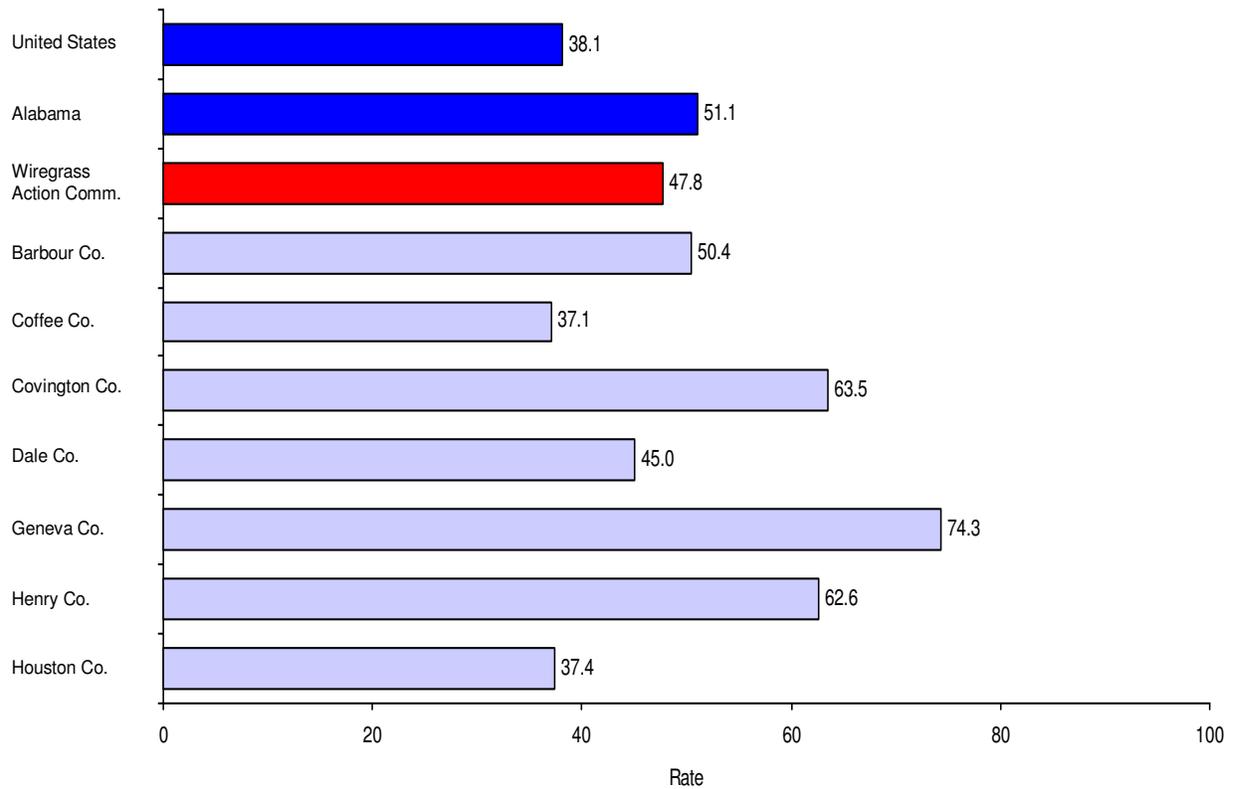


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
Tombigbee Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths                        | Rate Per 100,000 |
|------------------------------------|-----------------------|-------------------------------|------------------|
| <b>Tombigbee Action Commission</b> | <b>Not Applicable</b> | <b>396</b>                    | <b>65.4</b>      |
| District's Rural Counties Combined | Not Applicable        | 396                           | 65.4             |
| District's Urban Counties Combined | Not Applicable        | No Urban Counties in District |                  |
| Choctaw County                     | Yes                   | 36                            | 79.6             |
| Clarke County                      | Yes                   | 58                            | 70.9             |
| Conecuh County                     | Yes                   | 29                            | 72.3             |
| Dallas County                      | Yes                   | 79                            | 59.2             |
| Marengo County                     | Yes                   | 42                            | 63.8             |
| Monroe County                      | Yes                   | 45                            | 63.5             |
| Perry County                       | Yes                   | 33                            | 96.0             |
| Sumter County                      | Yes                   | 22                            | 52.3             |
| Washington County                  | Yes                   | 25                            | 46.9             |
| Wilcox County                      | Yes                   | 27                            | 69.9             |

**Accident Mortality Rates  
U.S. Alabama, and the Wiregrass Action Commission Counties, 2003-2005**

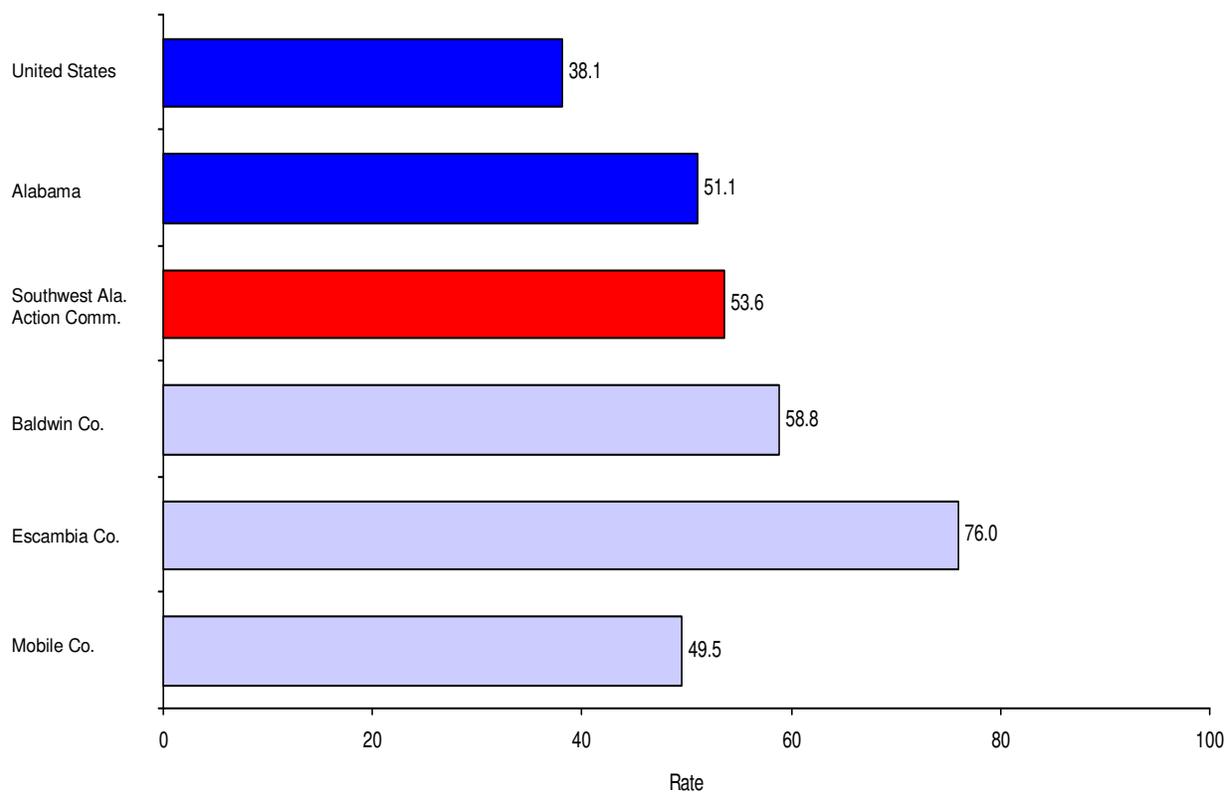


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
Wiregrass Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths     | Rate Per 100,000 |
|------------------------------------|-----------------------|------------|------------------|
| <b>Wiregrass Action Commission</b> | <b>Not Applicable</b> | <b>421</b> | <b>47.8</b>      |
| District's Rural Counties Combined | Not Applicable        | 317        | 52.5             |
| District's Urban Counties Combined | Not Applicable        | 104        | 37.4             |
| Barbour County                     | Yes                   | 43         | 50.4             |
| Coffee County                      | Yes                   | 50         | 37.1             |
| Covington County                   | Yes                   | 70         | 63.5             |
| Dale County                        | Yes                   | 66         | 45.0             |
| Geneva County                      | Yes                   | 57         | 74.3             |
| Henry County                       | Yes                   | 31         | 62.6             |
| Houston County                     | No                    | 104        | 37.4             |

**Accident Mortality Rates  
U.S. Alabama, and the Southwest Alabama Action Commission Counties, 2003-2005**

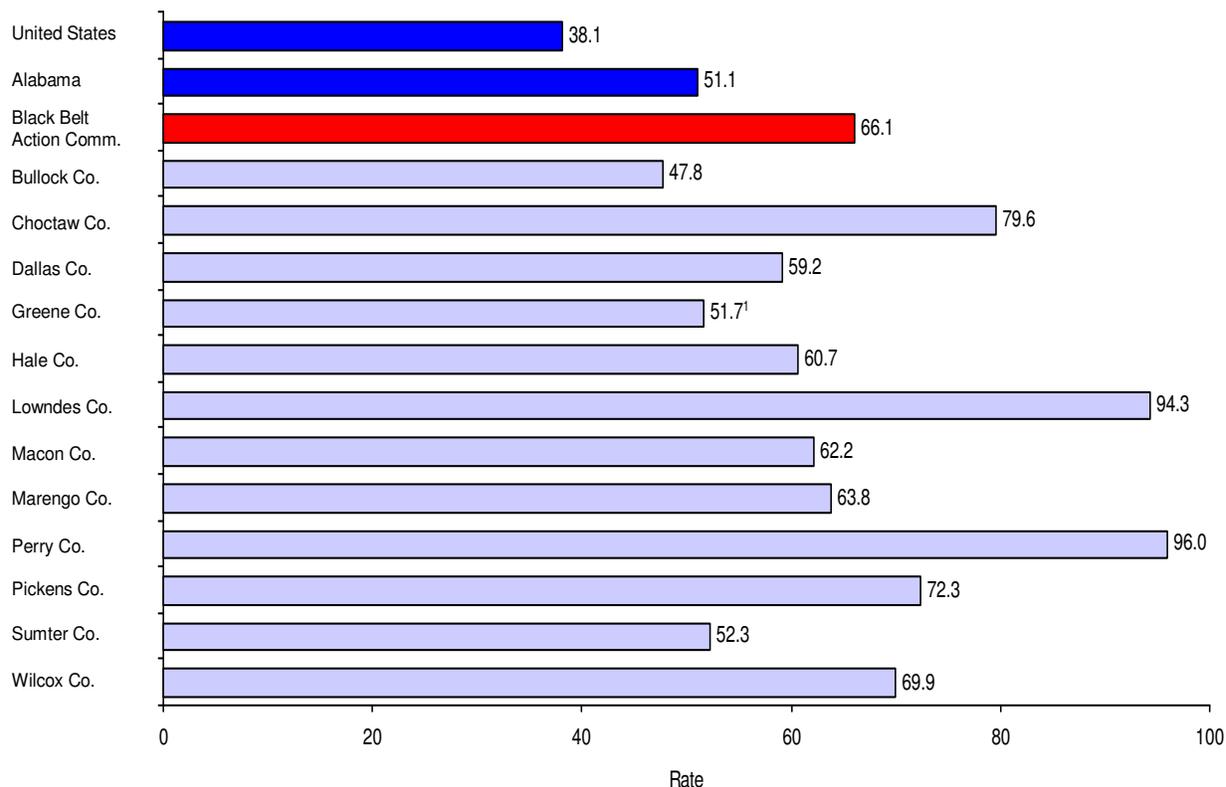


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Accidents Mortality and Mortality Rates  
Southwest Alabama Action Commission Counties, 2003 – 2005**

| Area                                       | Is County Rural?      | Deaths     | Rate Per 100,000 |
|--|-----------------------|------------|------------------|
| <b>Southwest Alabama Action Commission</b> | <b>Not Applicable</b> | <b>956</b> | <b>53.6</b>      |
| District's Rural Counties Combined         | Not Applicable        | 364        | 62.2             |
| District's Urban Counties Combined         | Not Applicable        | 592        | 49.5             |
| Baldwin County                             | Yes                   | 277        | 58.8             |
| Escambia County                            | Yes                   | 87         | 76.0             |
| Mobile County                              | No                    | 592        | 49.5             |

**Accident Mortality Rates  
U.S. Alabama, and the Black Belt Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Accidents Mortality and Mortality Rates  
Black Belt Action Commission Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths                        | Rate Per 100,000  |
|-------------------------------------|-----------------------|-------------------------------|-------------------|
| <b>Black Belt Action Commission</b> | <b>Not Applicable</b> | <b>427</b>                    | <b>66.1</b>       |
| District's Rural Counties Combined  | Not Applicable        | 427                           | 66.1              |
| District's Urban Counties Combined  | Not Applicable        | No Urban Counties in District |                   |
| Bullock County                      | Yes                   | 16                            | 47.8              |
| Choctaw County                      | Yes                   | 36                            | 79.6              |
| Dallas County                       | Yes                   | 79                            | 59.2              |
| Greene County                       | Yes                   | 15                            | 51.7 <sup>1</sup> |
| Hale County                         | Yes                   | 33                            | 60.7              |
| Lowndes County                      | Yes                   | 37                            | 94.3              |
| Macon County                        | Yes                   | 43                            | 62.2              |
| Marengo County                      | Yes                   | 42                            | 63.8              |
| Perry County                        | Yes                   | 33                            | 96.0              |
| Pickens County                      | Yes                   | 44                            | 72.3              |
| Sumter County                       | Yes                   | 22                            | 52.3              |
| Wilcox County                       | Yes                   | 27                            | 69.9              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Accidents Mortality and Mortality Rates  
Alabama's Appalachian Region Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths       | Rate Per 100,000 |
|-------------------------------------|-----------------------|--------------|------------------|
| <b>Alabama's Appalachian Region</b> | <b>Not Applicable</b> | <b>4,449</b> | <b>51.3</b>      |
| Region's Rural Counties Combined    | Not Applicable        | 2,128        | 59.4             |
| Region's Urban Counties Combined    | Not Applicable        | 2,321        | 45.6             |
| Bibb County                         | Yes                   | 55           | 86.3             |
| Blount County                       | Yes                   | 91           | 55.2             |
| Calhoun County                      | No                    | 199          | 59.3             |
| Chambers County                     | Yes                   | 61           | 57.3             |
| Cherokee County                     | Yes                   | 40           | 54.5             |
| Chilton County                      | Yes                   | 97           | 78.3             |
| Clay County                         | Yes                   | 24           | 57.0             |
| Cleburne County                     | Yes                   | 30           | 69.0             |
| Colbert County                      | Yes                   | 80           | 48.8             |
| Coosa County                        | Yes                   | 27           | 79.7             |
| Cullman County                      | Yes                   | 144          | 60.7             |
| DeKalb County                       | Yes                   | 129          | 64.3             |
| Elmore County                       | Yes                   | 105          | 48.8             |
| Etowah County                       | No                    | 169          | 54.7             |
| Fayette County                      | Yes                   | 42           | 77.1             |
| Franklin County                     | Yes                   | 67           | 72.9             |
| Hale County                         | Yes                   | 33           | 60.7             |
| Jackson County                      | Yes                   | 104          | 64.6             |
| Jefferson County                    | No                    | 952          | 48.3             |
| Lamar County                        | Yes                   | 23           | 51.1             |
| Lauderdale County                   | No                    | 128          | 48.8             |
| Lawrence County                     | Yes                   | 78           | 75.6             |
| Limestone County                    | Yes                   | 111          | 53.5             |
| Macon County                        | Yes                   | 43           | 62.2             |
| Madison County                      | No                    | 329          | 37.4             |
| Marion County                       | Yes                   | 70           | 77.5             |
| Marshall County                     | Yes                   | 128          | 50.3             |
| Morgan County                       | No                    | 165          | 48.7             |
| Pickens County                      | Yes                   | 44           | 72.3             |
| Randolph County                     | Yes                   | 51           | 75.5             |
| St. Clair County                    | Yes                   | 91           | 43.2             |
| Shelby County                       | No                    | 180          | 36.3             |
| Talladega County                    | Yes                   | 110          | 45.9             |
| Tallapoosa County                   | Yes                   | 54           | 44.2             |
| Tuscaloosa County                   | No                    | 199          | 39.8             |
| Walker County                       | Yes                   | 149          | 71.2             |
| Winston County                      | Yes                   | 47           | 64.0             |

For additional information on the Appalachian Region, visit the Appalachian Regional Commission's Web site at <http://www.arc.gov/index.jsp>; the Appalachian Regional Commission – Alabama Programs Office Web site at <http://www.adeca.alabama.gov/default.aspx>; or contact Bonnie Durham, Alabama Program Manager at (256) 845-3472.

**Accidents Mortality and Mortality Rates  
Alabama's Delta Region Counties, 2003 – 2005**

| Area                             | Is County Rural?      | Deaths                      | Rate Per 100,000  |
|----------------------------------|-----------------------|-----------------------------|-------------------|
| <b>Alabama's Delta Region</b>    | <b>Not Applicable</b> | <b>825</b>                  | <b>63.4</b>       |
| Region's Rural Counties Combined | Not Applicable        | 825                         | 63.4              |
| Region's Urban Counties Combined | Not Applicable        | No Urban Counties in Region |                   |
| Barbour County                   | Yes                   | 43                          | 50.4              |
| Bullock County                   | Yes                   | 16                          | 47.8              |
| Butler County                    | Yes                   | 47                          | 76.0              |
| Choctaw County                   | Yes                   | 36                          | 79.6              |
| Clarke County                    | Yes                   | 58                          | 70.9              |
| Conecuh County                   | Yes                   | 29                          | 72.3              |
| Dallas County                    | Yes                   | 79                          | 59.2              |
| Escambia County                  | Yes                   | 87                          | 76.0              |
| Greene County                    | Yes                   | 15                          | 51.7 <sup>1</sup> |
| Hale County                      | Yes                   | 33                          | 60.7              |
| Lowndes County                   | Yes                   | 37                          | 94.3              |
| Macon County                     | Yes                   | 43                          | 62.2              |
| Marengo County                   | Yes                   | 42                          | 63.8              |
| Monroe County                    | Yes                   | 45                          | 63.5              |
| Perry County                     | Yes                   | 33                          | 96.0              |
| Pickens County                   | Yes                   | 44                          | 72.3              |
| Russell County                   | Yes                   | 64                          | 43.5              |
| Sumter County                    | Yes                   | 22                          | 52.3              |
| Washington County                | Yes                   | 25                          | 46.9              |
| Wilcox County                    | Yes                   | 27                          | 69.9              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

For additional information on the Delta Region, visit the Delta Regional Authority's Web site at <http://www.dra.gov/> or contact one of the Delta Regional Authority – Local Development District Offices as follows:

Alabama – Tombigbee Regional Commission, (334) 682-4234 (Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox counties)

Lee – Russell Council of Governments, (334) 749-5264 (Russell County)

South Alabama Regional Planning Commission, (251) 433-6541 (Escambia County)

South Central Alabama Development Commission (334) 244-6903 (Bullock, Butler, Lowndes, and Macon counties)

Southeast Alabama Regional Planning and Development Commission, (334) 794-4093 (Barbour County)

West Alabama Planning and Development Council, (205) 333-2990 (Greene, Hale, and Pickens counties)

## **Indicators of Health Status in Alabama:** **DIABETES MORTALITY**

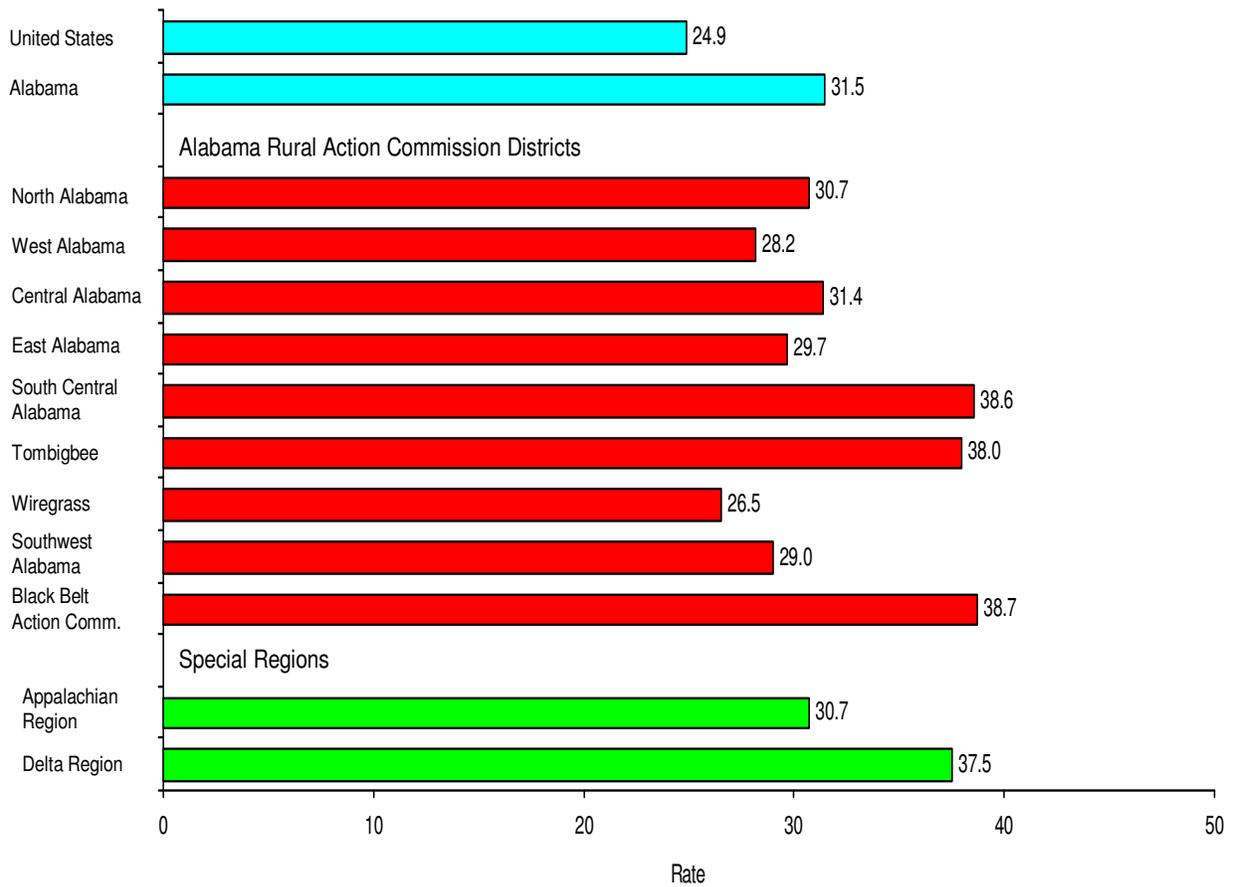
People who are most likely to get diabetes:

- are overweight.
- are 40 years of age or older.
- have a family history of diabetes.
- do not perform physical activity regularly.
- have had a baby weighing more than 9 pounds at birth.
- have had diabetes during pregnancy.
- have high blood pressure.
- are African American, Hispanic American, or Native American.

To prevent or delay the complications of diabetes, persons with diabetes should:

- maintain optimal blood sugar control through diet, physical activity, and medication.
- test blood sugar daily and have dilated eye exams.
- visit a physician frequently and have foot exam on each visit.
- check their own feet frequently, preferably daily.
- maintain ideal body weight, normal blood pressure, blood sugar, and cholesterol.
- avoid tobacco and alcohol.
- have an annual microalbumin and assessment of chronic kidney disease with estimated glomerular filtration rate (eGFR).
- have a Hemoglobin A1c test performed at home or in a physician's office at least every 6 months.
- check blood cholesterol and other blood lipids at least once a year.

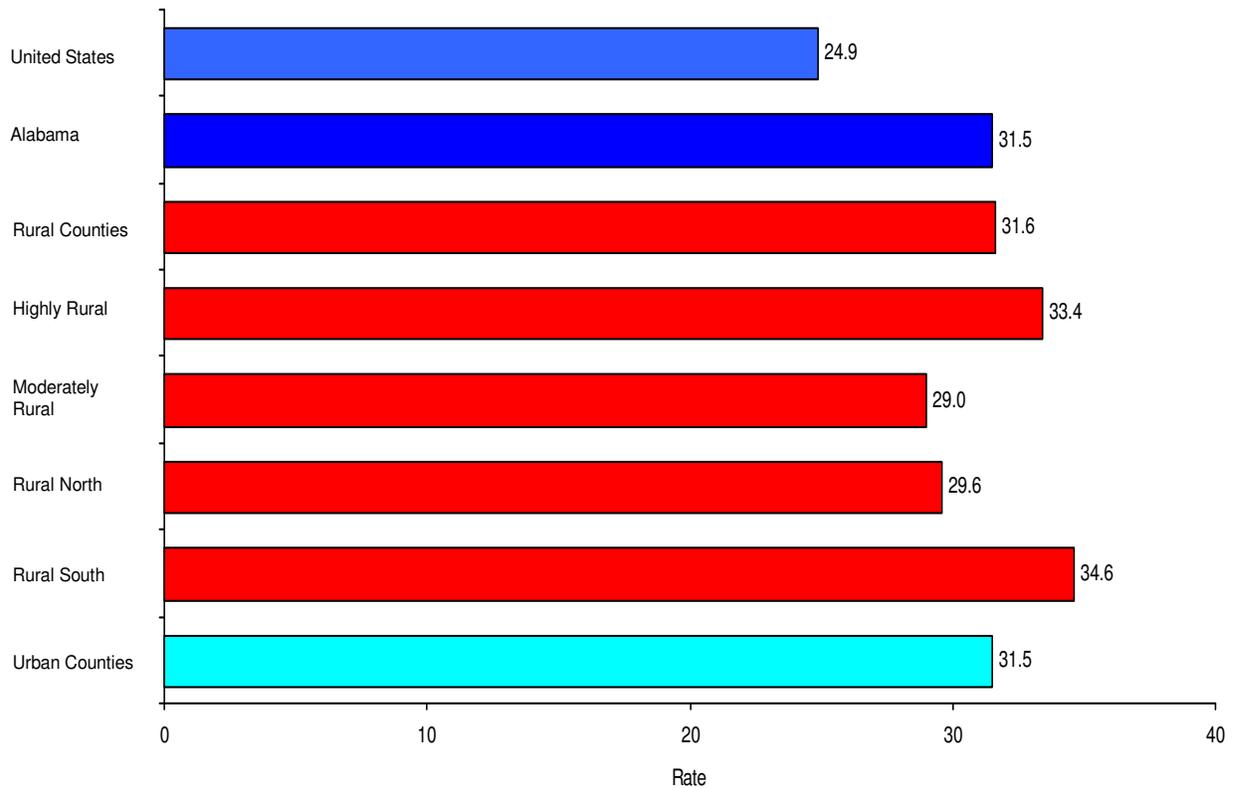
**Diabetes Mortality Rates for 2003-2005**  
**U.S., Alabama, Alabama Rural Action Commission Districts, and Special Regions In Alabama**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

-  Diabetes mortality in Alabama is consistently over 50 percent higher among Alabama's African American population than among its White population.
-  Alabama currently has the 5<sup>th</sup> highest diabetes mortality rate among all 50 states. Alabamians aged 25-64 years have the 2<sup>nd</sup> highest diabetes mortality rate among all 50 states.
-  Alabama lost 4,273 residents to diabetes during 2003-2005.
-  29 of the 32 Alabama counties with the highest diabetes mortality rates are rural counties.

**Diabetes Mortality Rates  
U.S. and Selected Alabama Areas, 2003-2005**

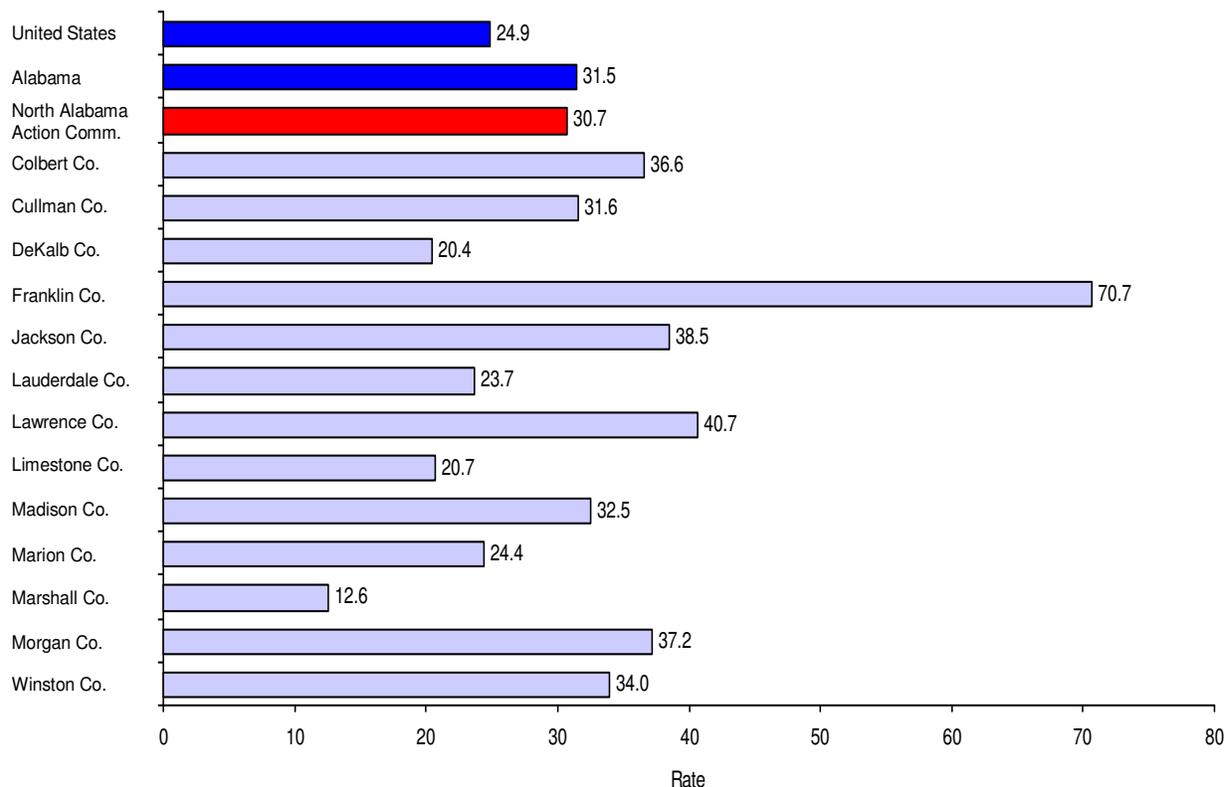


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Diabetes Mellitus Mortality and Mortality Rates  
U.S. and Selected Alabama Areas, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths        | Rate Per 100,000 |
|--|-----------------------|---------------|------------------|
| <b>United States</b>                     | <b>Not Applicable</b> | <b>73,138</b> | <b>24.9</b>      |
| <b>Alabama</b>                           | <b>Not Applicable</b> | <b>4,273</b>  | <b>31.5</b>      |
| <b>Rural Alabama Counties</b>            | <b>Not Applicable</b> | <b>1,881</b>  | <b>31.6</b>      |
| <b>Highly Rural Alabama Counties</b>     | <b>Not Applicable</b> | <b>1,154</b>  | <b>33.4</b>      |
| <b>Moderately Rural Alabama Counties</b> | <b>Not Applicable</b> | <b>727</b>    | <b>29.0</b>      |
| <b>Rural North Alabama Counties</b>      | <b>Not Applicable</b> | <b>1,059</b>  | <b>29.6</b>      |
| <b>Rural South Alabama Counties</b>      | <b>Not Applicable</b> | <b>822</b>    | <b>34.6</b>      |
| <b>Urban Alabama Counties</b>            | <b>Not Applicable</b> | <b>2,392</b>  | <b>31.5</b>      |

**Diabetes Mortality Rates  
U.S. Alabama, and the North Alabama Action Commission Counties, 2003-2005**

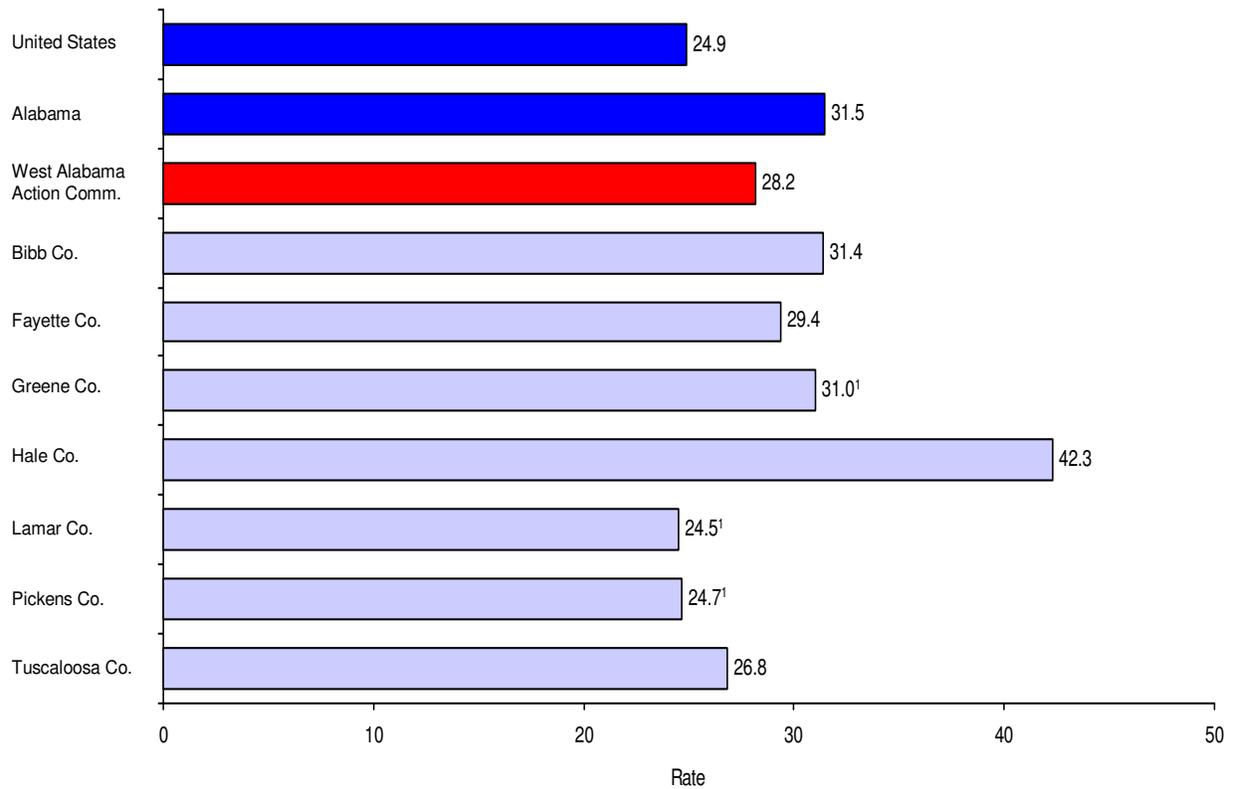


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Diabetes Mellitus Mortality and Mortality Rates  
North Alabama Action Commission Counties, 2003 – 2005**

| Area                                   | Is County Rural?      | Deaths     | Rate Per 100,000 |
|--|-----------------------|------------|------------------|
| <b>North Alabama Action Commission</b> | <b>Not Applicable</b> | <b>941</b> | <b>30.7</b>      |
| District's Rural Counties Combined     | Not Applicable        | 467        | 29.5             |
| District's Urban Counties Combined     | Not Applicable        | 474        | 32.0             |
| Colbert County                         | Yes                   | 60         | 36.6             |
| Cullman County                         | Yes                   | 75         | 31.6             |
| DeKalb County                          | Yes                   | 41         | 20.4             |
| Franklin County                        | Yes                   | 65         | 70.7             |
| Jackson County                         | Yes                   | 62         | 38.5             |
| Lauderdale County                      | No                    | 62         | 23.7             |
| Lawrence County                        | Yes                   | 42         | 40.7             |
| Limestone County                       | Yes                   | 43         | 20.7             |
| Madison County                         | No                    | 286        | 32.5             |
| Marion County                          | Yes                   | 22         | 24.4             |
| Marshall County                        | Yes                   | 32         | 12.6             |
| Morgan County                          | No                    | 126        | 37.2             |
| Winston County                         | Yes                   | 25         | 34.0             |

**Diabetes Mortality Rates  
U.S. Alabama, and the West Alabama Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

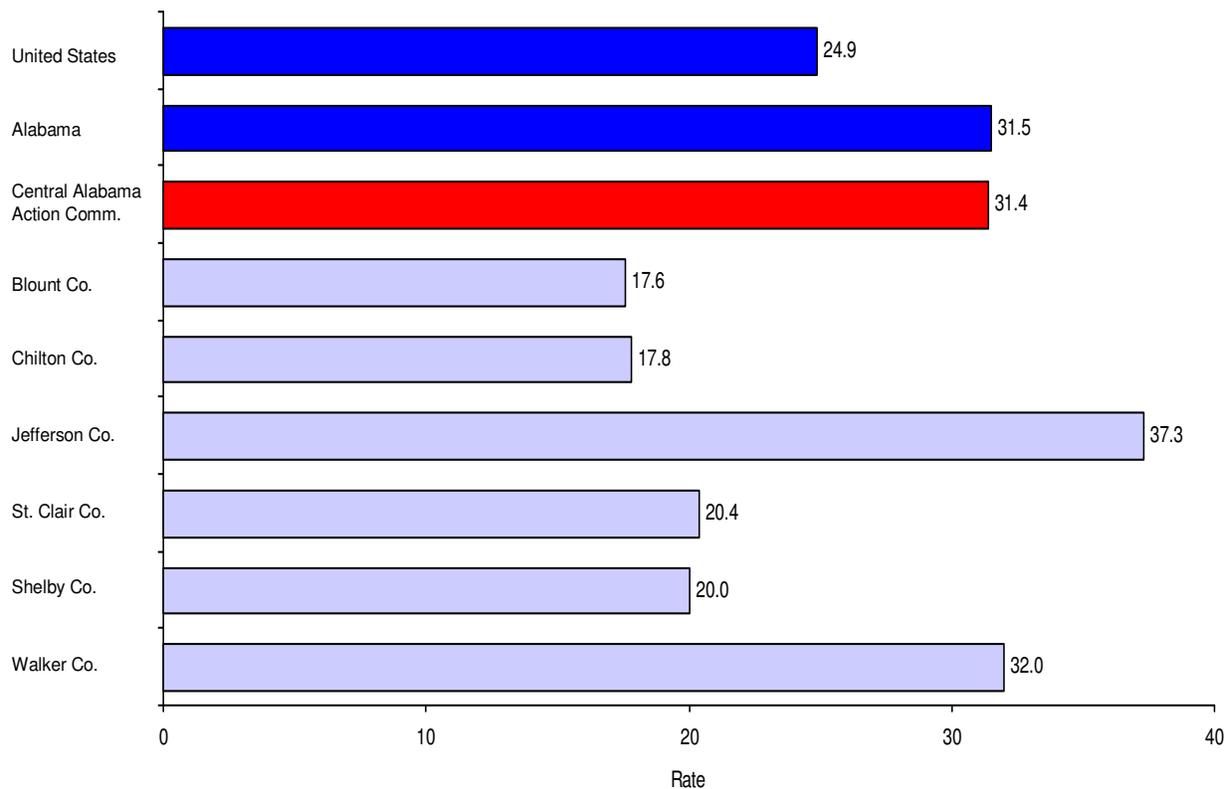
<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mellitus Mortality and Mortality Rates  
West Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths     | Rate Per 100,000  |
|---------------------------------------|-----------------------|------------|-------------------|
| <b>West Alabama Action Commission</b> | <b>Not Applicable</b> | <b>228</b> | <b>28.2</b>       |
| District's Rural Counties Combined    | Not Applicable        | 94         | 30.6              |
| District's Urban Counties Combined    | Not Applicable        | 134        | 26.8              |
| Bibb County                           | Yes                   | 20         | 31.4              |
| Fayette County                        | Yes                   | 16         | 29.4              |
| Greene County                         | Yes                   | 9          | 31.0 <sup>1</sup> |
| Hale County                           | Yes                   | 23         | 42.3              |
| Lamar County                          | Yes                   | 11         | 24.5 <sup>1</sup> |
| Pickens County                        | Yes                   | 15         | 24.7 <sup>1</sup> |
| Tuscaloosa County                     | No                    | 134        | 26.8              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mortality Rates  
U.S. Alabama, and the Central Alabama Action Commission Counties, 2003-2005**

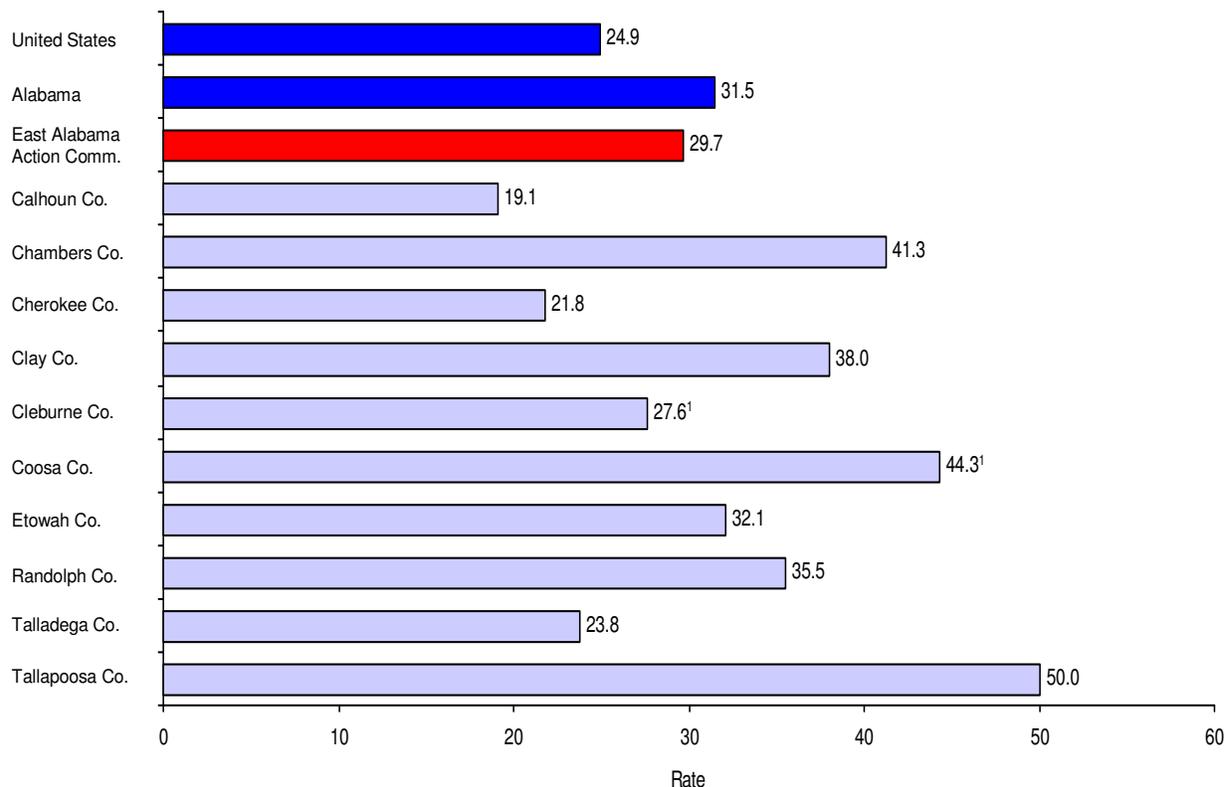


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Diabetes Mellitus Mortality and Mortality Rates  
Central Alabama Action Commission Counties, 2003 – 2005**

| Area                                     | Is County Rural?      | Deaths     | Rate Per 100,000 |
|--|-----------------------|------------|------------------|
| <b>Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>996</b> | <b>31.4</b>      |
| District's Rural Counties Combined       | Not Applicable        | 161        | 22.7             |
| District's Urban Counties Combined       | Not Applicable        | 835        | 33.8             |
| Blount County                            | Yes                   | 29         | 17.6             |
| Chilton County                           | Yes                   | 22         | 17.8             |
| Jefferson County                         | No                    | 736        | 37.3             |
| St. Clair County                         | Yes                   | 43         | 20.4             |
| Shelby County                            | No                    | 99         | 20.0             |
| Walker County                            | Yes                   | 67         | 32.0             |

**Diabetes Mortality Rates  
U.S. Alabama, and the East Alabama Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

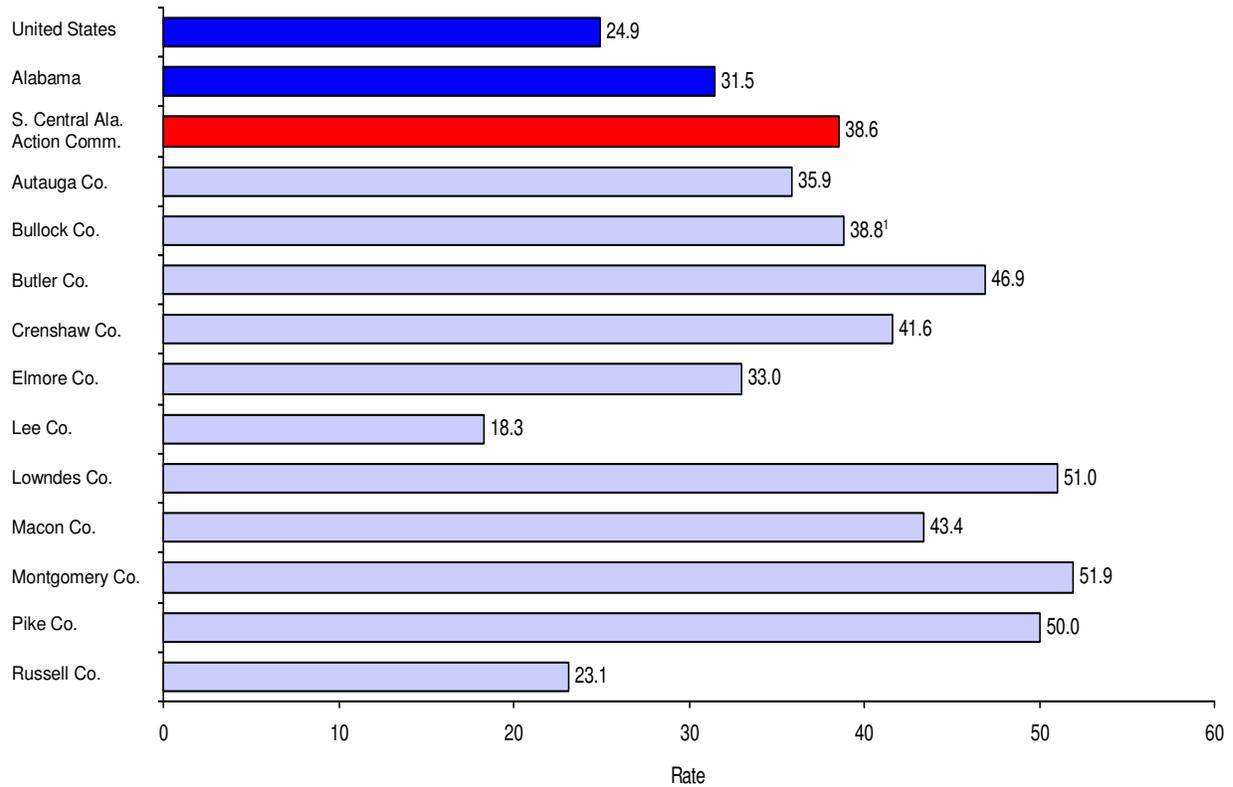
<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mellitus Mortality and Mortality Rates  
East Alabama Action Commission Counties, 2003 – 2005**

| Area                                  | Is County Rural?      | Deaths     | Rate Per 100,000  |
|---------------------------------------|-----------------------|------------|-------------------|
| <b>East Alabama Action Commission</b> | <b>Not Applicable</b> | <b>408</b> | <b>29.7</b>       |
| District's Rural Counties Combined    | Not Applicable        | 245        | 33.6              |
| District's Urban Counties Combined    | Not Applicable        | 163        | 25.3              |
| Calhoun County                        | No                    | 64         | 19.1              |
| Chambers County                       | Yes                   | 44         | 41.3              |
| Cherokee County                       | Yes                   | 16         | 21.8              |
| Clay County                           | Yes                   | 16         | 38.0              |
| Cleburne County                       | Yes                   | 12         | 27.6 <sup>1</sup> |
| Coosa County                          | Yes                   | 15         | 44.3 <sup>1</sup> |
| Etowah County                         | No                    | 99         | 32.1              |
| Randolph County                       | Yes                   | 24         | 35.5              |
| Talladega County                      | Yes                   | 57         | 23.8              |
| Tallapoosa County                     | Yes                   | 61         | 50.0              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mortality Rates  
U.S. Alabama, and the South Central Alabama Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

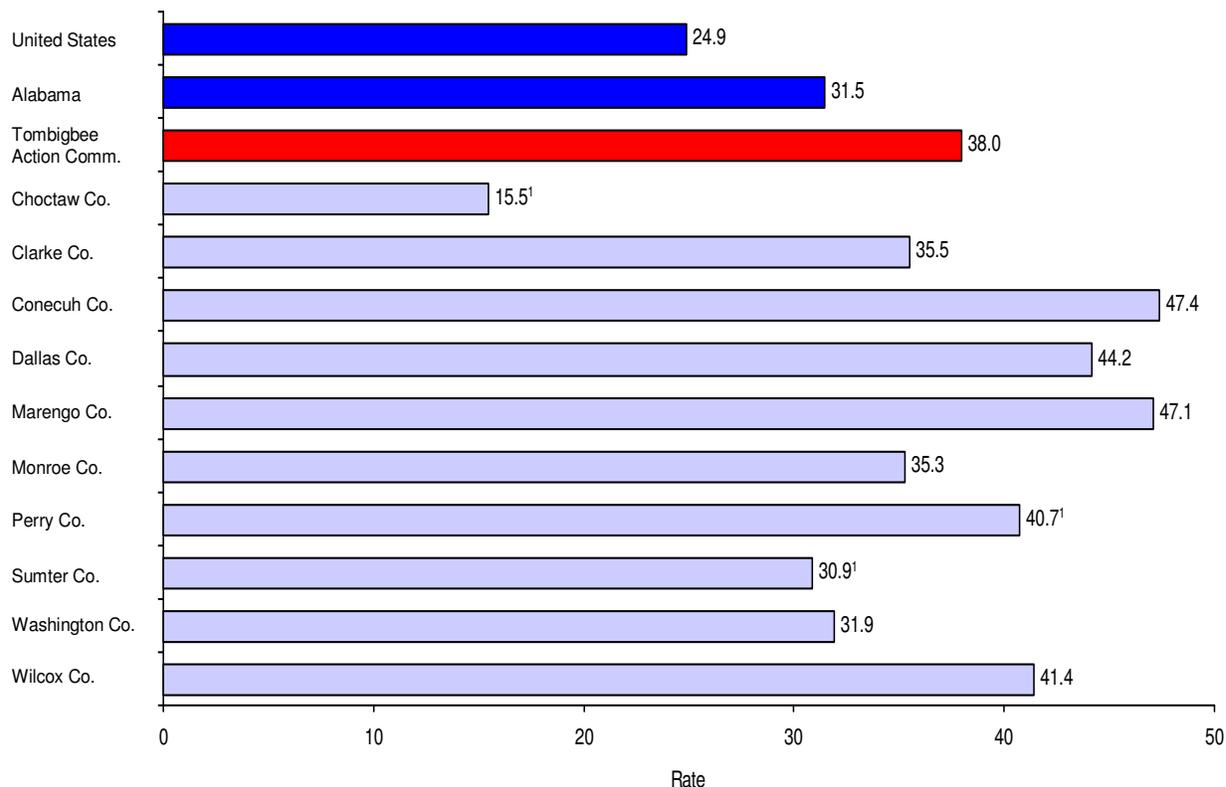
<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mellitus Mortality and Mortality Rates  
South Central Alabama Action Commission Counties, 2003 – 2005**

| Area   | Is County Rural?      | Deaths     | Rate Per 100,000  |
|--|-----------------------|------------|-------------------|
| <b>South Central Alabama Action Commission</b> | <b>Not Applicable</b> | <b>719</b> | <b>38.6</b>       |
| District's Rural Counties Combined             | Not Applicable        | 309        | 36.9              |
| District's Urban Counties Combined             | Not Applicable        | 410        | 40.0              |
| Autauga County                                 | Yes                   | 51         | 35.9              |
| Bullock County                                 | Yes                   | 13         | 38.8 <sup>1</sup> |
| Butler County                                  | Yes                   | 29         | 46.9              |
| Crenshaw County                                | Yes                   | 17         | 41.6              |
| Elmore County                                  | Yes                   | 71         | 33.0              |
| Lee County                                     | No                    | 66         | 18.3              |
| Lowndes County                                 | Yes                   | 20         | 51.0              |
| Macon County                                   | Yes                   | 30         | 43.4              |
| Montgomery County                              | No                    | 344        | 51.9              |
| Pike County                                    | Yes                   | 44         | 50.0              |
| Russell County                                 | Yes                   | 34         | 23.1              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mortality Rates  
U.S. Alabama, and the Tombigbee Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

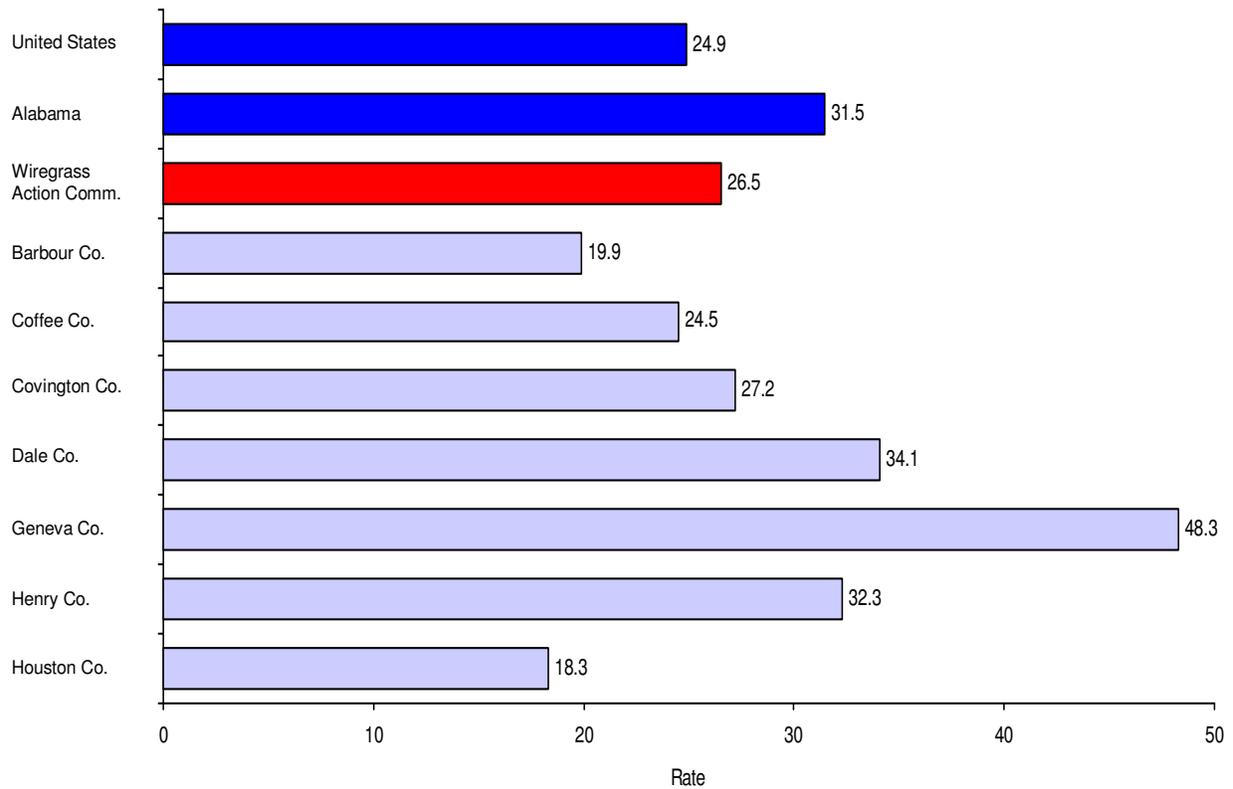
<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mellitus Mortality and Mortality Rates  
Tombigbee Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths                        | Rate Per 100,000  |
|------------------------------------|-----------------------|-------------------------------|-------------------|
| <b>Tombigbee Action Commission</b> | <b>Not Applicable</b> | <b>230</b>                    | <b>38.0</b>       |
| District's Rural Counties Combined | Not Applicable        | 230                           | 38.0              |
| District's Urban Counties Combined | Not Applicable        | No Urban Counties in District |                   |
| Choctaw County                     | Yes                   | 7                             | 15.5 <sup>1</sup> |
| Clarke County                      | Yes                   | 29                            | 35.5              |
| Conecuh County                     | Yes                   | 19                            | 47.4              |
| Dallas County                      | Yes                   | 59                            | 44.2              |
| Marengo County                     | Yes                   | 31                            | 47.1              |
| Monroe County                      | Yes                   | 25                            | 35.3              |
| Perry County                       | Yes                   | 14                            | 40.7 <sup>1</sup> |
| Sumter County                      | Yes                   | 13                            | 30.9 <sup>1</sup> |
| Washington County                  | Yes                   | 17                            | 31.9              |
| Wilcox County                      | Yes                   | 16                            | 41.4              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mortality Rates  
U.S. Alabama, and the Wiregrass Action Commission Counties, 2003-2005**

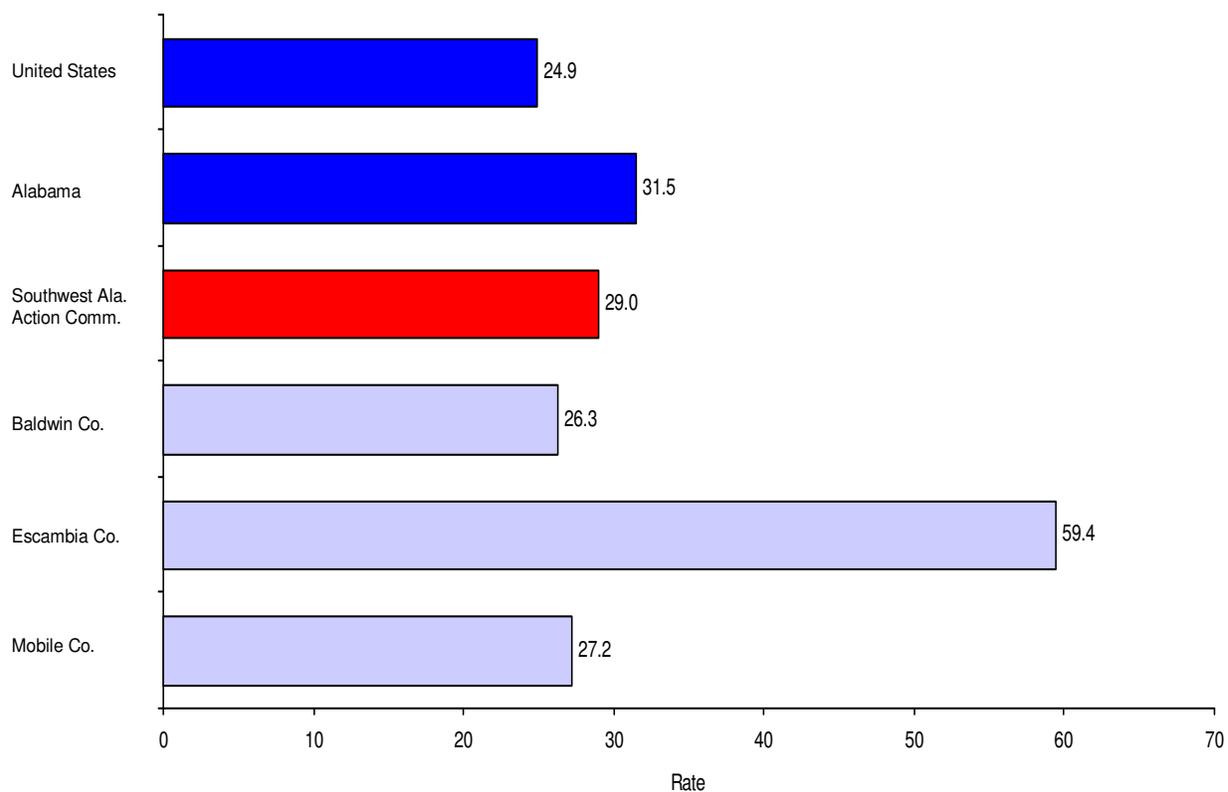


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Diabetes Mellitus Mortality and Mortality Rates  
Wiregrass Action Commission Counties, 2003 – 2005**

| Area                               | Is County Rural?      | Deaths     | Rate Per 100,000 |
|------------------------------------|-----------------------|------------|------------------|
| <b>Wiregrass Action Commission</b> | <b>Not Applicable</b> | <b>234</b> | <b>26.5</b>      |
| District's Rural Counties Combined | Not Applicable        | 183        | 30.3             |
| District's Urban Counties Combined | Not Applicable        | 51         | 18.3             |
| Barbour County                     | Yes                   | 17         | 19.9             |
| Coffee County                      | Yes                   | 33         | 24.5             |
| Covington County                   | Yes                   | 30         | 27.2             |
| Dale County                        | Yes                   | 50         | 34.1             |
| Geneva County                      | Yes                   | 37         | 48.3             |
| Henry County                       | Yes                   | 16         | 32.3             |
| Houston County                     | No                    | 51         | 18.3             |

**Diabetes Mortality Rates  
U.S. Alabama, and the Southwest Alabama Action Commission Counties, 2003-2005**

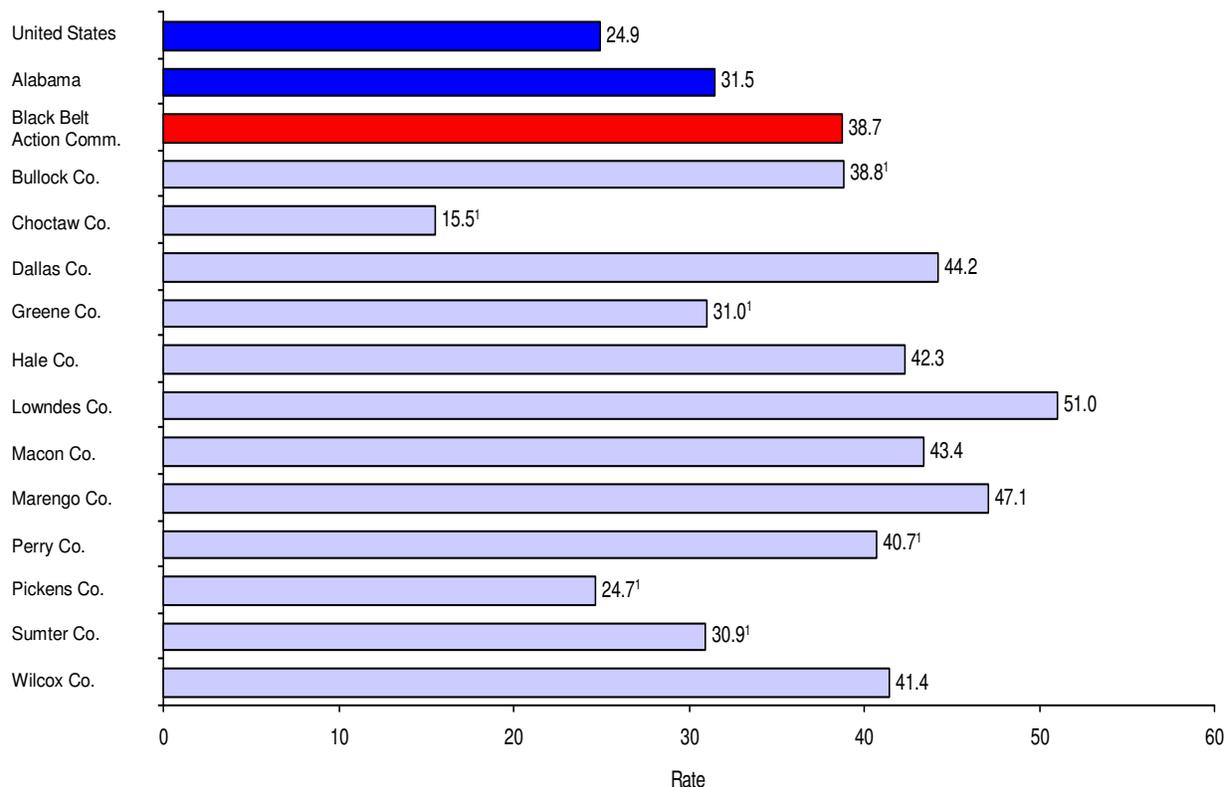


Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

**Diabetes Mellitus Mortality and Mortality Rates  
Southwest Alabama Action Commission Counties, 2003 – 2005**

| Area                                       | Is County Rural?      | Deaths     | Rate Per 100,000 |
|--|-----------------------|------------|------------------|
| <b>Southwest Alabama Action Commission</b> | <b>Not Applicable</b> | <b>517</b> | <b>29.0</b>      |
| District's Rural Counties Combined         | Not Applicable        | 192        | 32.8             |
| District's Urban Counties Combined         | Not Applicable        | 325        | 27.2             |
| Baldwin County                             | Yes                   | 124        | 26.3             |
| Escambia County                            | Yes                   | 68         | 59.4             |
| Mobile County                              | No                    | 325        | 27.2             |

**Diabetes Mortality Rates  
U.S. Alabama, and the Black Belt Action Commission Counties, 2003-2005**



Notes: Data provided by the Center for Health Statistics, Alabama Department of Public Health and the National Center for Health Statistics, Centers for Disease Control and Prevention. U.S. rate is for 2004. Rates are per 100,000 population.

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mellitus Mortality and Mortality Rates  
Black Belt Action Commission Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths                        | Rate Per 100,000  |
|-------------------------------------|-----------------------|-------------------------------|-------------------|
| <b>Black Belt Action Commission</b> | <b>Not Applicable</b> | <b>250</b>                    | <b>38.7</b>       |
| District's Rural Counties Combined  | Not Applicable        | 250                           | 38.7              |
| District's Urban Counties Combined  | Not Applicable        | No Urban Counties in District |                   |
| Bullock County                      | Yes                   | 13                            | 38.8 <sup>1</sup> |
| Choctaw County                      | Yes                   | 7                             | 15.5 <sup>1</sup> |
| Dallas County                       | Yes                   | 59                            | 44.2              |
| Greene County                       | Yes                   | 9                             | 31.0 <sup>1</sup> |
| Hale County                         | Yes                   | 23                            | 42.3              |
| Lowndes County                      | Yes                   | 20                            | 51.0              |
| Macon County                        | Yes                   | 30                            | 43.4              |
| Marengo County                      | Yes                   | 31                            | 47.1              |
| Perry County                        | Yes                   | 14                            | 40.7 <sup>1</sup> |
| Pickens County                      | Yes                   | 15                            | 24.7 <sup>1</sup> |
| Sumter County                       | Yes                   | 13                            | 30.9 <sup>1</sup> |
| Wilcox County                       | Yes                   | 16                            | 41.4              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

**Diabetes Mellitus Mortality and Mortality Rates  
Alabama's Appalachian Region Counties, 2003 – 2005**

| Area                                | Is County Rural?      | Deaths       | Rate Per 100,000  |
|-------------------------------------|-----------------------|--------------|-------------------|
| <b>Alabama's Appalachian Region</b> | <b>Not Applicable</b> | <b>2,665</b> | <b>30.7</b>       |
| Region's Rural Counties Combined    | Not Applicable        | 1,059        | 29.6              |
| Region's Urban Counties Combined    | Not Applicable        | 1,606        | 31.5              |
| Bibb County                         | Yes                   | 20           | 31.4              |
| Blount County                       | Yes                   | 29           | 17.6              |
| Calhoun County                      | No                    | 64           | 19.1              |
| Chambers County                     | Yes                   | 44           | 41.3              |
| Cherokee County                     | Yes                   | 16           | 21.8              |
| Chilton County                      | Yes                   | 22           | 17.8              |
| Clay County                         | Yes                   | 16           | 38.0              |
| Cleburne County                     | Yes                   | 12           | 27.6 <sup>1</sup> |
| Colbert County                      | Yes                   | 60           | 36.6              |
| Coosa County                        | Yes                   | 15           | 44.3 <sup>1</sup> |
| Cullman County                      | Yes                   | 75           | 31.6              |
| DeKalb County                       | Yes                   | 41           | 20.4              |
| Elmore County                       | Yes                   | 71           | 33.0              |
| Etowah County                       | No                    | 99           | 32.1              |
| Fayette County                      | Yes                   | 16           | 29.4              |
| Franklin County                     | Yes                   | 65           | 70.7              |
| Hale County                         | Yes                   | 23           | 42.3              |
| Jackson County                      | Yes                   | 62           | 38.5              |
| Jefferson County                    | No                    | 736          | 37.3              |
| Lamar County                        | Yes                   | 11           | 24.5 <sup>1</sup> |
| Lauderdale County                   | No                    | 62           | 23.7              |
| Lawrence County                     | Yes                   | 42           | 40.7              |
| Limestone County                    | Yes                   | 43           | 20.7              |
| Macon County                        | Yes                   | 30           | 43.4              |
| Madison County                      | No                    | 286          | 32.5              |
| Marion County                       | Yes                   | 22           | 24.4              |
| Marshall County                     | Yes                   | 32           | 12.6              |
| Morgan County                       | No                    | 126          | 37.2              |
| Pickens County                      | Yes                   | 15           | 24.7 <sup>1</sup> |
| Randolph County                     | Yes                   | 24           | 35.5              |
| St. Clair County                    | Yes                   | 43           | 20.4              |
| Shelby County                       | No                    | 99           | 20.0              |
| Talladega County                    | Yes                   | 57           | 23.8              |
| Tallapoosa County                   | Yes                   | 61           | 50.0              |
| Tuscaloosa County                   | No                    | 134          | 26.8              |
| Walker County                       | Yes                   | 67           | 32.0              |
| Winston County                      | Yes                   | 25           | 34.0              |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

For additional information on the Appalachian Region, visit the Appalachian Regional Commission's Web site at <http://www.arc.gov/index.jsp>; the Appalachian Regional Commission – Alabama Programs Office Web site at <http://www.adeca.alabama.gov/default.aspx>; or contact Bonnie Durham, Alabama Program Manager at (256) 845-3472.

**Diabetes Mellitus Mortality and Mortality Rates  
Alabama's Delta Region Counties, 2003 – 2005**

| <b>Area</b>                      | <b>Is County Rural?</b> | <b>Deaths</b>               | <b>Rate Per 100,000</b> |
|----------------------------------|-------------------------|-----------------------------|-------------------------|
| <b>Alabama's Delta Region</b>    | <b>Not Applicable</b>   | <b>488</b>                  | <b>37.5</b>             |
| Region's Rural Counties Combined | Not Applicable          | <b>488</b>                  | <b>37.5</b>             |
| Region's Urban Counties Combined | Not Applicable          | No Urban Counties in Region |                         |
| Barbour County                   | Yes                     | 17                          | 19.9                    |
| Bullock County                   | Yes                     | 13                          | 38.8 <sup>1</sup>       |
| Butler County                    | Yes                     | 29                          | 46.9                    |
| Choctaw County                   | Yes                     | 7                           | 15.5 <sup>1</sup>       |
| Clarke County                    | Yes                     | 29                          | 35.5                    |
| Conecuh County                   | Yes                     | 19                          | 47.4                    |
| Dallas County                    | Yes                     | 59                          | 44.2                    |
| Escambia County                  | Yes                     | 68                          | 59.4                    |
| Greene County                    | Yes                     | 9                           | 31.0 <sup>1</sup>       |
| Hale County                      | Yes                     | 23                          | 42.3                    |
| Lowndes County                   | Yes                     | 20                          | 51.0                    |
| Macon County                     | Yes                     | 30                          | 43.4                    |
| Marengo County                   | Yes                     | 31                          | 47.1                    |
| Monroe County                    | Yes                     | 25                          | 35.3                    |
| Perry County                     | Yes                     | 14                          | 40.7 <sup>1</sup>       |
| Pickens County                   | Yes                     | 15                          | 24.7 <sup>1</sup>       |
| Russell County                   | Yes                     | 34                          | 23.1                    |
| Sumter County                    | Yes                     | 13                          | 30.9 <sup>1</sup>       |
| Washington County                | Yes                     | 17                          | 31.9                    |
| Wilcox County                    | Yes                     | 16                          | 41.4                    |

<sup>1</sup> Caution should be used in interpreting this rate due to the small number of deaths from this cause.

For additional information on the Delta Region, visit the Delta Regional Authority's Web site at <http://www.dra.gov/> or contact one of the Delta Regional Authority – Local Development District Offices as follows:

Alabama – Tombigbee Regional Commission, (334) 682-4234 (Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox counties)

Lee – Russell Council of Governments, (334) 749-5264 (Russell County)

South Alabama Regional Planning Commission, (251) 433-6541 (Escambia County)

South Central Alabama Development Commission (334) 244-6903 (Bullock, Butler, Lowndes, and Macon counties)

Southeast Alabama Regional Planning and Development Commission, (334) 794-4093 (Barbour County)

West Alabama Planning and Development Council, (205) 333-2990 (Greene, Hale, and Pickens counties)