

# ENGAGING IN EXCELLENCE:

Partnering, Providing and Performing in Public Health



## 2010 ANNUAL REPORT



JEFFERSON COUNTY  
DEPARTMENT OF HEALTH



# JEFFERSON COUNTY DEPARTMENT OF HEALTH

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**Michael E. Fleenor, M.D., M.P.H.**  
Health Officer

The 2010 Annual Report features the Jefferson County Department of Health's commitment to engage agencies and individuals to "Make the Healthy Choice the Easy Choice." This was accomplished through increased emphasis on community-wide collaborative partnerships developed to create a built environment that encourages behavioral changes such as choices to exercise more and eat healthier foods. Building relationships emphasizing mutual responsibility, trust and accountability for assuring improvement in these important health markers solidified our mutual resolve to make a measurable difference. As a result of these commitments, our partnerships secured millions of dollars in funding for community efforts to address obesity and tobacco use.

Our 2010 efforts have increased community consciousness of the magnitude of our health issues and how to effectively address these with optimism, expectation and hope. They have inspired our workforce to do better in addressing health issues that have been identified by our community as important to them. Among more tangible examples of these efforts are renovations of the Guy M. Tate Building in downtown Birmingham that began in the fall. Clinical space at Central Health Center will be expanded and will improve the effectiveness of our primary care and disease control services. A comprehensive strategic review that will drive the next 3-5 year period was begun in late 2010 and completed in late winter 2011. Among the most supportive elements of the strategic process were workforce development initiatives and deliberate succession planning that over the last three years have increased our institutional capacity to meet the needs of Jefferson County for the future.

The efforts of our health department matched with the equal enthusiasm and effort of our many community partners have made this a particularly productive year for Jefferson County. Most importantly, it has laid a firm foundation on which to build a healthier Jefferson County for years to come.

Michael E. Fleenor, M.D., M.P.H.  
Health Officer

## JEFFERSON COUNTY BOARD OF HEALTH January 1, 2010- December 31, 2010

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# PARTNERING HEALTH ACTION/CPPW

Optimizing the health of Jefferson County's communities can best be accomplished through community partnerships that create an environment where healthy choices are easy to make. Many of the chronic diseases facing Jefferson County residents, including heart disease, cancer and diabetes, are related to obesity, physical inactivity and tobacco exposure. Throughout 2010, the Jefferson County Department of Health (JCDH) and its community partners have targeted these three significant contributors to morbidity and mortality through policies at the local, county and state levels. One of the goals of the Health Action Partnership, a coalition of over one hundred agencies ranging from academia to for-profit healthcare and government committed to improving health within Jefferson County, is to support policies which allow communities to be smokefree, walkable, and to provide fresh produce for all citizens. With the receipt of over \$350,000 from the Robert Wood Johnson Foundation, JCDH is partnering with the United Way of Central Alabama to improve nutrition and physical activity in East Lake, West End and Homewood. Using the Community Healthy Living Index to identify areas of improvement in schools and workplaces, the Health Action Partnership is achieving healthier communities by providing safe routes to schools, nutrition training for school cafeteria workers, and promoting healthy food options in corner stores.



Cooking demonstrations promote healthy eating



Walking programs encourage citizens to increase physical activity

JCDH is actively engaged in the promotion of health policy development throughout Jefferson County. At the Health Action Summit held in August 2010, the mayors of Birmingham, Tarrant and Hoover shared how those cities are creating an environment where healthy choices are easy choices. The two hundred Summit participants learned strategies for making communities more walkable, for advocating smokefree environments and for assessing and resolving **food deserts**.<sup>1</sup>

As the result of partnerships formed through Health Action, JCDH and nineteen community partners received \$13.1 million in funding from the Centers for Disease Control and Prevention's Communities Putting Prevention to Work (CPPW) grant to support 100% smokefree, walkable communities with access to fresh produce. Current efforts of the Health Action Partnership include the "Our One Mile" initiative where citizens develop ideas for connecting residences, workplaces and community centers to walking trails, sidewalks and parks. The Health Action Partnership and local municipalities are collaborating to develop smokefree policies based on the successes of other municipalities throughout the country. Prevention of tobacco use and cessation efforts include Youth Empowerment Clubs in twelve local schools which provide the motivation and tools for smoking cessation and to encourage peers not to initiate smoking. The "Not on Tobacco" program at Parker High School and referrals to Alabama's 1-800-QUITLINE services are additional examples of tobacco prevention and cessation efforts. To increase the availability of fresh produce, JCDH engaged Mari Gallagher, Inc. in identifying Jefferson County communities with limited access to fresh produce (food deserts). Following the identification of the county's food deserts, the Health Action Partnership initiated efforts to gain support for public markets and grocers in these areas. Through broad policy and environmental changes, JCDH is partnering with its communities to reduce chronic disease and improve the quality of life of Jefferson County's citizens.



Motivating young people to become or remain smokefree



Engaging community partners through the Health Action Summit

<sup>1</sup>Food deserts are areas that lack access to affordable fruits, vegetables, whole grains, low-fat milk and other foods that make up the full range of a healthy diet

# PARTNERING ENVIRONMENTAL HEALTH

In support of the Health Action Partnership's goal of walkable communities, the Community Assessment Division of Environmental Health facilitates meetings of the Environmental Quality Committee. This committee is committed to providing livable, walkable communities free from pests and other environmental hazards. Together with the City of Birmingham, its residents and industry, JCDH has implemented a comprehensive mosquito control program called Moon Dust. Moon Dust collaborates with UAB's School of Medicine to identify mosquito species and provides satellite mapping information on mosquito harborage areas. During 2010, properties in the Collegeville, Harriman Park and Fairmont neighborhoods were assessed for mosquito harborage. A "Fight the Bite" rap video on mosquito prevention was produced to educate residents. JCDH's outreach and community engagement efforts also addressed other environmental hazards including litter, lead, waste and air toxics. Information strategies for reducing sediment and other pollutants in stormwater runoff were distributed to residents via water bills in twenty-one Jefferson County municipalities. Through partnership, outreach and educational activities, JCDH is engaging the community in environmental health efforts that promote livable communities.

Assisting JCDH in mitigating chronic disease risk factors, the Food and Lodging Protection Division of Environmental Health partnered with childcare centers to combat second hand smoke exposure and childhood obesity. JCDH created relationships and conducted research to draft regulatory standards for legislative consideration in childcare centers throughout the county. These regulations will address factors at childcare centers influencing environmental safety, nutrition and physical activity. Partnerships are also being developed to draft future regulation for menu labeling in area restaurants and point of sale warnings for tobacco products. JCDH continues to enforce the current regulations regarding food and lodging safety through regular inspections of Jefferson County restaurants and lodging facilities. Regular inspections and enforcement efforts are combined with safe food handling instruction provided in both the field and classroom to promote a healthy environment for citizens.



Left: Clean up neighborhoods

Above: Collecting mosquito larva samples in Collegeville

# PARTNERING ENVIRONMENTAL HEALTH

The Community Environmental Protection Division of Environmental Health has continued its goal of ensuring a healthy environment. JCDH partnered with the Robinwood community by supporting the establishment of a neighborhood association and “Crime Watch” program to reduce nuisance complaints and resolve environmental issues. JCDH’s community-focused environmental efforts also include performing inspections of public facilities and complaint investigations.

Community partnerships through the Stormwater Management Association (SWMA) initiated in October 2009 resulted in twenty-one Jefferson County municipalities collaborating with JCDH in meeting the Environmental Protection Agency’s (EPA) Phase 1 Permitting Requirements. Through the services of stormwater monitoring, Geographic Information System mapping of storm drains and illicit discharge and other water quality investigations, JCDH is promoting good health through stormwater management.

With the re-emergence and proliferation of bedbugs, JCDH investigated and assisted lodging facilities with integrated pest management procedures. JCDH’s commitment to environmentally healthy communities is evidenced, in part, through education programs on bed bug management.

In 2010, through the joint efforts of its citizens, industries and regulating agencies, Jefferson County met all of the National Ambient Air Quality Standards. This achievement included compliance with the annual 24-hour National Ambient Air Quality Standards for fine particulates based upon the most recent three-year averaging period (2008-2010). The Air and Radiation Protection Division expanded its air monitoring program to include air toxics. JCDH began assessments to identify hazardous air pollutants at local school sites in north Birmingham. As a result of these assessments, JCDH will initiate corrective actions, if required, to protect the public’s health by assuring air quality within Jefferson County.

## Public Institution Inspections

Body Art Facilities	23
Mobile Homes	115
Pools	2,894
Onsite Sewage Disposal	396
Transfer Stations	2
Solid Waste Trucks	230
Solid Waste Haulers	17
Food Inspections	11,901
Schools and Lodging Facilities	373

## Public Institutions Permitted

Mobile Homes	58
Body Art Facilities	27
Food Service Facilities	287

## Complaint Investigations Completed

Sanitation	2,796
Onsite Sewage Disposal	570
Animal Exposures	976
Food Service	1,205

# PARTNERING EMERGENCY PREPAREDNESS

**E**ngaging in partnerships for health involves actions to prepare Jefferson County for all hazards that could impact the health of its communities. JCDH's Emergency Preparedness Division with the Jefferson County Emergency Management Agency (EMA) has established effective working relationships with partnering agencies including the Local Emergency Planning Committee to identify potential risks from hazardous materials, natural and man-made disasters, terrorist events and disease outbreaks. Following potential risk identification, JCDH collaborates with the Local Emergency Planning Committee to minimize risks, prevent accidents and develop emergency plans for protecting the well-being of Jefferson County's citizens.

With the emergence of Novel H1N1 virus in April 2009, JCDH served as a key resource for preventing the spread of this disease through education and vaccination. More than 16,000 doses of H1N1 vaccine were administered via school-based and mass vaccination clinics.

To continue the partnerships established with schools and communities, JCDH used funding from the Cities Readiness Initiative Grant to train school nurses in implementing a point of dispensing (POD) facility. Additionally, seventeen point of dispensing sites were assessed for throughput and traffic flow with design changes initiated to enable each site to accommodate more than 20,000 clients within 48 hours. Completion of training by JCDH staff on weapons of mass destruction sampling techniques and emergency radiological transportation improved the organization's capacity to effectively respond to related scenarios. Through partnership with local, state and federal agencies in the management of public health emergencies, JCDH seeks to ensure that communities are prepared for any public health hazard or risk.



Arrival of the H1N1 Flu vaccine from the Strategic National Stockpile



JCDH employee participates in a hazmat training exercise

Community-based and mobile dental clinics provided services to 6,700 underserved children and adults within Jefferson County during 2010. In addition to dental care provided at JCDH's Health Centers, Dental Health engaged in partnerships to provide dental services through Project Homeless Connect, United Cerebral Palsy of Greater Birmingham's LINCPoint location and Jefferson Rehabilitation Center. In partnership with the school systems within Jefferson County, JCDH provided dental health education and treatments during the Give Kids a Smile event. Through these initiatives and other outreach events such as the Healthy Kids Day co-sponsored by the YMCA, JCDH provided education and services promoting dental health.



Increasing access to care through Project Homeless Connect



# PROVIDING DISEASE CONTROL

**T**he Disease Control Division provides quality public health services through direct care provision and partnerships with other health-related organizations. Through partnership with the Alabama Department of Public Health, JCDH monitors tuberculosis (TB) and sexually transmitted diseases (STDs). In response to reports regarding six active tuberculosis cases in correctional facilities within Jefferson County, TB and STD screenings were conducted in local correctional facilities. Screening activities served to identify and initiate treatment of active cases and to prevent the spread of disease in correctional facilities.



Top: Identifying disease strains is an important task in effective treatment

Bottom: Preparing a vaccine for administration



During 2010, JCDH completed contact investigations for twenty-eight active tuberculosis cases and assessed 1,450 individuals for latent tuberculosis infection. Through partnerships with local shelters and participation in Project Homeless Connect, JCDH provided tuberculosis skin tests, vouchers for chest x-rays and educational materials to Jefferson County's homeless population.

JCDH's Sexually Transmitted Disease Clinic tested over 12,800 individuals during the past year. Those individuals with positive tests were provided treatment, counseling and, as indicated, testing and treatment of sexual partners. To reduce the incidence of Chlamydia and Gonorrhea, targeted testing was conducted on several college campuses; over 400 students were screened and treatment was provided to infected individuals. Utilizing relationships with local churches and community outreach agencies, JCDH provided educational materials and prevention messages to the public and to individuals in high risk groups, raising awareness about STDs and HIV.

Partnership and effective communication with the medical community are essential in providing effective public health services. JCDH encourages the timely reporting of targeted communicable illnesses to prevent or reduce the spread of disease. JCDH conducted over 300 disease investigations based upon reports received from health care providers. In addition, a select group of local hospitals and physicians participate in influenza surveillance through weekly reporting of influenza like illness. Educational materials on preventing communicable illnesses were distributed at community events including the Magic City Classic.

Immunization services provided by JCDH are the most highly effective means of preventing infectious disease occurrence and spread. In partnering with three local hospitals and four local churches, JCDH provided no cost immunizations at Tot Shot Clinics. To facilitate correct completion of the Alabama Certificate of Immunization (Blue Form) required for school registration, JCDH provided in-service education for medical practices. JCDH conducted audits of the immunization records maintained at schools and daycare centers within Jefferson County to calculate the number of adequately immunized children. Due to outstanding child immunization record audit scores and the demonstration of excellent partnerships with medical practices, the State of Alabama awarded JCDH \$244,547 in additional funding. Collaborating with public and private partners, JCDH will utilize these funds to improve immunization rates among adolescents. Throughout 2010, JCDH continued to provide the citizens of Jefferson County with efficient, effective and evidence-based disease prevention services.

# PROVIDING CLINICAL SERVICES

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In providing quality health services, JCDH continually seeks opportunities to assess and restructure its health center operations to decrease cost, maximize utilization and improve clinical outcomes. As a result of careful utilization study, JCDH closed its Northern Health Center in October 2009 while assuring continued care access by transitioning patients to other JCDH Health Centers. The relocation of the Family Planning Department at West End Health Center within the current facility resulted in improved patient wait time and clinic flow. Eastern and Western Health Centers added dedicated space for breastfeeding to support infant nutrition.

JCDH's Clinical Services Division ensures access to healthcare services for uninsured and underinsured residents through provision of direct patient care. During fiscal year 2010, JCDH provided primary care services including Family Planning to 38,449 individuals. Nutrition education and food benefits were provided to an average of 15,832 citizens monthly through the Special Supplemental Nutrition Program for Women, Infants and Children (WIC). WIC encourages healthy food choices through nutrition counseling and provides cash vouchers for fresh fruits and vegetables and food packages designed to increase consumption of whole grains.

JCDH provided case management and care coordination to 8,282 patients which included thirty-three home visits for children diagnosed with high blood lead levels. To increase safety awareness and behaviors impacting infant and child safety, JCDH distributed bike helmets and booster seats and hosted a Baby and Toddler Safety Shower. To encourage literacy, JCDH provided children books at no cost in partnership with national reading promotion programs.

Access to quality care for the citizens Jefferson County requires action-oriented partnerships. Partnership between JCDH's Clinical Services Division and the Jefferson-Blount-St. Clair Mental Health Authority increased access to mental health care services. In collaboration with the University of Alabama at Birmingham's School of Optometry, eye examinations, glasses and contacts were provided for patients at JCDH's Bessemer, West End and Western Health Centers. Samford University's McWhorter School of Pharmacy collaborated with JCDH's adult health services to provide smoking cessation programs. This partnership also created a Diabetes Clinic improving health outcomes through medication compliance and lifestyle modification. Western Health Center and Jackson Olin High School implemented a comprehensive care system for young mothers with infants.

## PROVIDING CLINICAL SERVICES

During 2010, physicians at Bessemer and Western Health Centers participated in the Alabama Chapter of the American Academy of Pediatrics' Asthma Pilot Project. This 18-month program provides tools, resources and support for implementing the latest asthma management guidelines from the National Heart, Lung and Blood Institute. The American Academy of Pediatrics awarded a Certificate of Achievement in recognition of JCDH's outstanding accomplishments in improving asthma outcomes for children.



Enabling families to achieve health improvement goals

## PROVIDING VITAL RECORDS

As a service to the public, JCDH provides efficient and accurate information relating to both in-state and out-of-state vital events. JCDH provides records of these events in-person and via phone and mail requests. During 2010, the Vital Records division issued 35,675 birth certificates, 51,511 death certificates, 1,565 marriage certificates and 326 divorce certificates.

# PERFORMING SCHOOL AND COMMUNITY HEALTH

**JCDH** recognized excellence in public health performance within twenty Jefferson County schools through the Health Officer's Seal of Approval award given to public and private schools meeting the following criteria: lunchroom inspection scores of ninety-seven or greater, a facility sanitation room inspection with two or fewer deficiencies and no high priority deficiencies and a 97% or greater completion of mandated student immunizations. The Health Officer's Healthy School Award of Excellence, received by Rocky Ridge Elementary, Gwin Elementary and Cahaba Heights Elementary in 2010, recognizes the three schools within Jefferson County demonstrating the most exceptional performance in creating a healthy school environment.

To engage Jefferson County communities in healthy lifestyles, the Community Health Division sponsored a six-week Chronic Disease Self-Management Program designed to complement and enhance traditional medical disease management. Disease Self-Management skills were taught through interactive group education led by a registered nurse. In collaboration with the Alabama Department of Public Health and the State Employee Insurance Board, JCDH continued the Worksite Wellness program encouraging healthy lifestyles for employees in Jefferson County by administering 3,238 flu shots and providing 2,177 health screenings. Health education services provided to its employees allowed JCDH to strive toward excellent health for its workforce in 2010.



Recipients of the 2010 Health Officer's Healthy School Award of Excellence demonstrated commitment to achieving safe and healthy schools



**E**xcellence in public health requires the use and maintenance of electronic, telecommunication and other information services. The Management Information Systems Division enables JCDH to maintain high quality public health services through the use of technology. During 2010, JCDH replaced 25% of the Department's computers with more powerful ENERGY STAR 5.0 qualified computers.

To improve physician and field specialist access to the SuccessEHS, the electronic medical record, wireless access points were added to all clinics enabling the deployment of iPad® mobile digital devices for accessing patient health records.

The newly developed Disease Intervention System interfaces with the electronic medical

record improving the accessibility of time-sensitive information and eliminating dual data entry. Further modifications were made to the Environmental Health Complaint System to include Storm Water Management complaints. Additionally, storm water data were transferred to a consolidated database to ensure data integrity. In preparing JCDH for all emergencies, a Really Simple Syndication (RSS) feed for the Afterhours Emergency Contact List was implemented.



## PERFORMING POLICY, GRANTS & ASSESSMENT

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Continuous evaluation and improvement in public health practice are key to meeting Jefferson County's health needs. The Policy, Grants and Assessment Division (PGA) provided public health informatics, data analysis, evidence-based public health practice information, project management, and quality improvement support. Policy, Grants and Assessment partnered with organizations including University of Alabama at Birmingham (UAB), the United Way of Central Alabama and Cooper Green Mercy Hospital to provide data analysis and information regarding community demographics, geospatial analysis and health statistics to over thirty-nine external agencies. Additionally, PGA supported eighty-four internal projects. As part of the effort to increase transparency and data sharing among community health partners, JCDH initiated a shared internal and external system for health data dissemination. Through this shared data system, JCDH strives to strengthen the public health system and increase collaboration among public health partners. Through increased partnership with UAB, Samford University and Birmingham Southern, JCDH has been active in bridging the gap between academia and public health practice. These efforts have resulted in JCDH internships for students, increased research and publications, and employee workforce development through a lecture series led by faculty from local universities and colleges. In continued partnership with the Centers for Disease Control and Prevention (CDC), JCDH provided data to the CDC's Sexually Transmitted Disease Surveillance Network strengthening STD surveillance across the country.

## PERFORMING FINANCE & ADMINISTRATION

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Optimizing JCDH's public health performance is an ongoing endeavor supported, in part, by continued facility planning, renovations and fiscal responsibility. During 2010, JCDH issued an invitation to bid for the renovation of the Guy M. Tate facility. The planned renovation is designed to decrease utility costs between 10% and 15%, increase space for clinical services, improve the appearance and comfort of the facility and improve patient flow.

JCDH financial statements again received an unqualified opinion by external auditors, signifying the integrity and reliability of the statements. To improve efficiency and reduce cost, the Payroll and Accounting Division implemented the Employee Self Serve system. JCDH Cost Center Budget employee training increased departmental efficiency within the budgetary process. A two-year working project in the Central Billing Office was completed with the implementation of an interface between the electronic dental record and the electronic medical record improving consistency in the billing and claims processes. These initiatives served to improve JCDH's productivity and financial performance during 2010.

Human Resources played a significant role in maintaining JCDH's high levels of public health performance. As part of staff training, Human Resources completed twenty specialized training requests, implemented a new online training request system and developed twelve new workforce development courses.

**JCDH** continues to move Jefferson County toward a healthy future by engaging in excellence. The Department remains committed to partnering for health with Jefferson County citizens and communities in providing quality public health services and optimizing public health outcomes. With these commitments, the Jefferson County Department of Health is dedicated to serving the future health needs of Jefferson County.





# GENERAL FINANCIAL INFORMATION

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## Revenues (General Fund - \$48,539,014)

1. **Ad valorem Tax Revenue** (\$7,454,346 - 15% of General Fund Revenues)

Act 77-231 provides that the County (and municipalities within the County) shall pay to the Board of Health annually a sum not less than 2% or more than 6% of all advalorem taxes collected within the County excluding advalorem taxes collected for the State of Alabama and all Boards of Education located in the County.

For the last ten years JCDH has received a flat amount which is approximately 3% of the total advalorem tax. This is forwarded to JCDH as the taxes are collected.

2. **Sales Tax Revenue** (\$17,236,706 - 36% of General Fund Revenues)

The amount JCDH receives is approximately 20% of the total County sales tax.

3. **State & Federal Contracts** (\$4,440,942 - 9% of General Fund Revenues)

These are primarily dollars received from the Alabama Department of Public Health (ADPH) resulting from contracts or subcontracts to administer certain public health responsibilities for State Public Health Area 4 (Jefferson County). Examples include developing community and educational programs and monitoring activity in nationally identified public health focus areas such as Maternal/Child Health, Family Planning, Immunization, Tuberculosis, Sexually Transmitted Diseases and Hepatitis.

4. **Clinical Health Care Revenue** (\$11,520,977 - 24% of General Fund Revenues)

This category represents the amount of reimbursement received for all clinical services provided by the Department. These services include pediatric and adult primary care, family planning and dental care.

A sliding fee schedule based on income is used within the Health Centers to determine the amount, if any, of fees due from patients. Approximately 3% of the reimbursement is from patients, 92% from Medicaid, 3% from Blue Cross, and the remaining 2% from all other payers combined (e.g., Medicare, etc.)

5. **Environmental Health Services** (\$3,628,431 - 7% of General Fund Revenues)

This category represents reimbursement received locally for Environmental Health services. State Law allows fees to be charged for many of the services provided by Environmental Health such as restaurant inspections, septic system plan reviews and inspections, air pollution permit fees, open burning permits, radiological equipment inspection and food handler training. Also included in this category are fees received for copies of vital records.

6. **Other Revenue** (\$4,257,612 - 9% of General Fund Revenues)

This category is primarily reimbursement received for indirect costs (administration and building overhead) associated with Federal grants and contracts such as WIC, Air Pollution, etc. Also included in this category are allowable fines levied for violation of public health laws (e.g., air pollution violations), rental fees and parking lot and meter receipts. This category includes earnings from cash and investments. All investments are based on a Board of Health approved Investment Policy that strictly follows State and County guidelines.

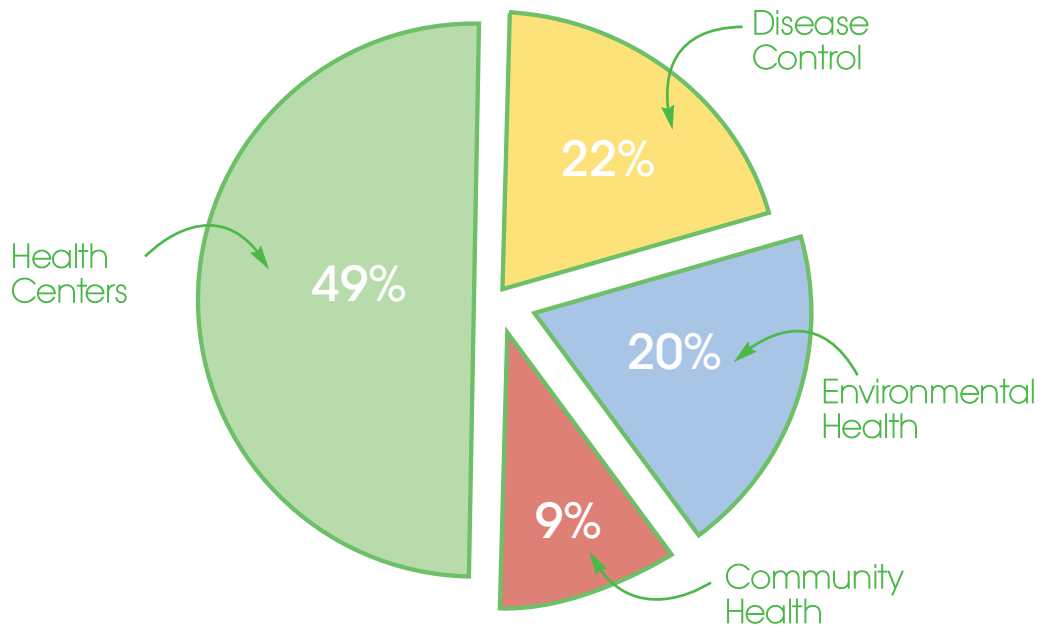
## Expenditures

Expenditures are generally classified by major public health program with administrative costs and the capital fund transfer separately identified. General fund expenditures for fiscal year 2010 include:

Salaries and Benefits	\$34,078,945	73%
Materials and Supplies	6,090,715	13%
Contract Services	2,072,975	4%
Capital Fund Transfers	4,400,000	10%
<b>Total</b>	<b>\$46,642,635</b>	<b>100%</b>

Additionally, the Jefferson County Department of Health had eight Special Revenue Funds in 2010 totaling \$10,728,988. These funds are operated in accordance with the funding requirements of special grants and appropriations.

## Fiscal Year 2010 Use of Tax Proceeds (\$24,591,052)



# SELECTED HEALTH STATISTICS 2009\*

## Population by Age

(JEFFERSON COUNTY 2009 CENSUS BUREAU ESTIMATES)

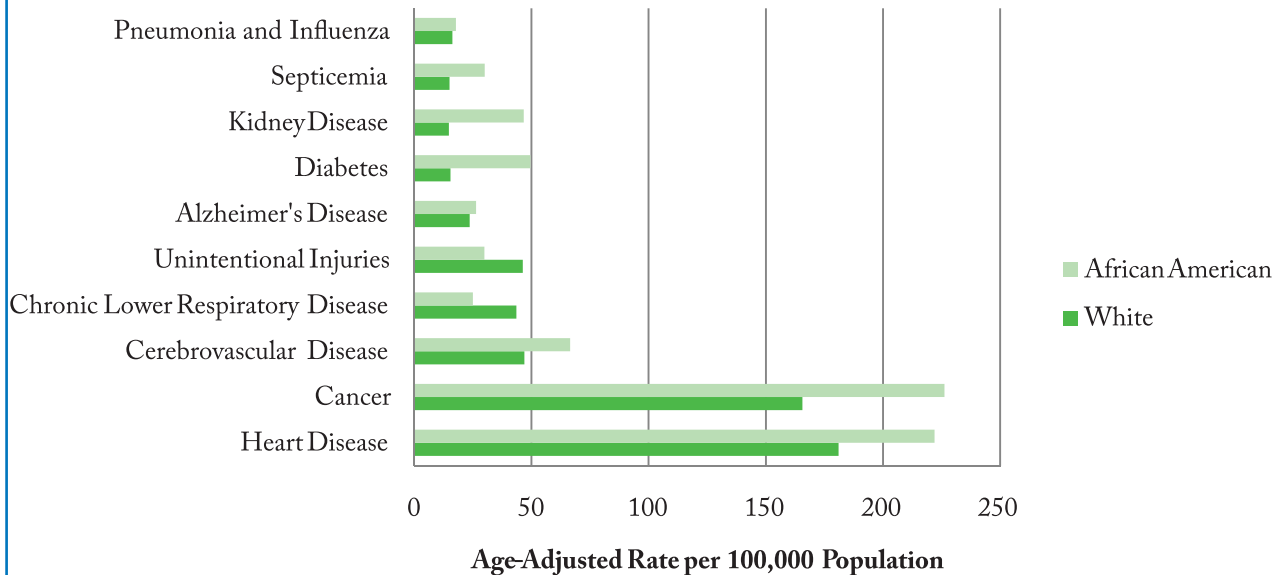
<1 year <sup>1</sup>	9,318
1-14 years	122,424
15-24 years	87,347
25-64 years	355,764
65 years and older	90,242
<b>Total population</b>	<b>665,095</b>

## Chronic Diseases

(JEFFERSON COUNTY AGE-ADJUSTED MORTALITY RATE)

	Rate per 100,000	10-year trend
Heart disease	193.0	↓
Cancer	184.1	↓
Stroke	53.5	↓
Alzheimer's disease	24.1	↑
Diabetes	35.7	↑

**Ten Leading Causes of Death by Race, Jefferson County, 2009**



## Maternal and Child Health

(NUMBER AND RATE OR PERCENT)

	Number	Jefferson County (Rate or Percent)	Alabama <sup>2</sup> (Rate or Percent)	United States <sup>6</sup> (Rate or Percent)
Live Births (women ages 15-44)	9,318	67.5 per 1,000	98.7 per 1,000	66.7 per 1,000
Low Birthweight Infants (<2500 g)	1,037	11.1%	10.4%	8.2%
Very Low Birthweight Infants (<1500 g)	194	2.1%	1.9%	1.5%
Live Births to Teens (women ages 10-19)	1,151	27.4 per 1,000	26.8 per 1,000	20.5 per 1,000
Infant Mortality	81	8.7 per 1,000	8.2 per 1,000	NA

*Note:* all birthweight and infant mortality data is based on live births

## Communicable Diseases

(RATE PER 100,000 POPULATION)

	Jefferson County	Alabama <sup>2</sup>	United States <sup>2</sup>
Chlamydia	808.7	556.2	409.2
Gonorrhea	271	160.8	99.1
Syphilis (primary & secondary)	17.3	8.9	4.6
Tuberculosis	5.6	3.6	3.8

## Injuries and Crime

(RATE PER 100,000 POPULATION)

	Number	Jefferson County <sup>4</sup>	Alabama <sup>4</sup>	United States <sup>5</sup>
Homicide	93	13.6	6.8	5
Rape	315	46.1	58.3	28.7
Robbery	1,989	291.3	128.5	133
Assault	2,439	399.9	247.0	274.6

1. 2009 number of live births in Jefferson County.
2. Rates are based on 2009 population projections. Alabama Department of Public Health (ADPH); [www.adph.org/healthstats](http://www.adph.org/healthstats)
3. Centers for Disease Control and Prevention (CDC); [www.cdc.gov](http://www.cdc.gov)
4. Alabama Criminal Justice Information Center, Statistical Analysis Center, 2009 Crime in Alabama; <http://acjic.state.al.us>.
5. Federal Bureau of Investigation, 2008 Crime in the United States; <http://www.fbi.gov/ucr/ucr.htm>
6. Based on the preliminary data for 2009 from the US National Vital Statistics Report; [http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59\\_03.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr59/nvsr59_03.pdf)\*2010

\*Selected Health Statistics will be available in the 2011 Annual Report

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