



JEFFERSON COUNTY
DEPARTMENT OF HEALTH
ALABAMA

2012

annual report

**Cultivating the Seeds
of Public Health**

Cultivating the Seeds of Public Health

Jefferson County Board of Health

January 1, 2012 - December 31, 2012

F. Cleveland Kinney, Ph.D., M.D..... Chair Emeritus

Laura Kezar, M.D..... Chair

Katisha T. Vance, M.D..... General Liability
Claims Committee/Investment Committee

Steven J. Kulback, M.D..... Grants & Policy Committee

Jennifer R. Dollar, M.D..... Secretary

David Carrington President of the Jefferson County Commission



Letter from the Health Officer

For the past 95 years, Jefferson County Department of Health (JCDH) has continuously cultivated the seeds of improved health in Jefferson County. This year, that commitment has continued through work in new public health initiatives and in maintaining the roots of ongoing public health efforts.

During 2012, JCDH completed a strategic planning process. The resulting mission, vision, values and strategic priorities will guide the advancement of public health throughout Jefferson County. JCDH's vision to create a "healthy community of healthy people in a healthy environment through leadership and service" represents the germination of positive public health efforts in our community.

With the emergence of new public health initiatives comes JCDH's continued commitment to public health excellence. Through quality improvement initiatives, JCDH is improving its processes and outcomes. Efforts to strengthen the public health infrastructure within Jefferson County in 2012 included enhanced community engagement and organizational excellence through redesign. During the year, there has been some pruning and new healthy growth. To multiply the benefit of our efforts, we are strengthening JCDH's partnerships to leverage resources beyond our walls, to build a healthier environment and promote healthier policies and activities throughout the county.

JCDH is continuing its strong commitment to maintain an extensive "root system" of services essential to the health of our community. The list is long, and includes services such as inspections of restaurants and other public facilities, health education, nutrition services, primary care and dental services, communicable and chronic disease prevention and control, pollution control and emergency preparedness.

With the combination of new growth and continued commitment to the roots of public health, JCDH's tradition of excellence in public health will continue to promote a strong, vibrant and healthy Jefferson County.

Mark E. Wilson, MD
Health Officer



Cultivating the Seeds of Public Health

Germination

Cultivating the seeds of public health requires the Jefferson County Department of Health (JCDH) to be involved with the community from the germination of new ideas to maintaining the extensive root system of public health services. Throughout 2012, the germination of positive public health in Jefferson County continued with the completion of JCDH's strategic planning process. The resulting mission, vision, values and strategic priorities and objectives guide JCDH's work in promoting and protecting health within Jefferson County.

Within JCDH, the new Suggestion Box process serves as a means for employees to make recommendations for improving processes and enhancing services. By implementing employee suggestions, JCDH promotes a culture of innovation and improvement in public health service. To validate JCDH's achievement of national public health standards, JCDH applied for accreditation through the Public Health Accreditation Board in late 2012. The accreditation process also promotes continuous improvement in public health practice.

New initiatives related to environmental health represent the germination of seeds previously planted. Through the EnviroFlash Challenge sponsored by the Environmental Protection Agency's Office of Air Quality Planning and Standards, JCDH competed with national air pollution management agencies to increase subscribers to EnviroFlash, a service providing air quality forecasts and Air Quality Alert Day notifications via e-mail. JCDH placed second in this national competition for the highest total percentage subscriber increase and third in total number of new subscribers, resulting in more residents in Jefferson County receiving this useful information. With the implementation of new Regulations for the Construction, Operation and Maintenance of Childcare Centers and the establishment of a referral system through the Success by 6 program of the United Way of Central Alabama assisting childcare centers in complying with these regulations, JCDH has implemented new initiatives for promoting healthy children.

In collaboration with the Alabama Environmental Council, JCDH was awarded a grant from the Alabama Department of Environmental Management (ADEM) enabling expansion of recycling throughout Jefferson County. This grant provided additional recycling drop off centers in municipalities without curbside pickup, enabled the purchase of additional bins for the City of Birmingham and expanded regional recycling education campaigns in Jefferson County. As these new seeds of public health begin to grow, they will provide the basis for improved health outcomes.

Germination Story:

"There has certainly been a great need here in Jefferson County," said Michael Churchman, Executive Director of Alabama Environmental Council. "It is an exciting story. Over the past three years, Jefferson County has received more than \$750,000 to expand recycling."

-Birmingham News, September 2012



Emergence

Jefferson County Department of Health (JCDH) demonstrates its commitment to public health excellence through responding to the changing health needs of Jefferson County. With the emergence of each need, JCDH responds quickly to protect the health of Jefferson County residents. Beginning in late 2011 and continuing into 2012, JCDH collaborated with the Centers for Disease Control and Prevention (CDC) in conducting a multi-state epidemiologic investigation determining the radiation status and exposure of patients following Rubidium-82 Cardiac PET Scans. As part of this investigation, JCDH coordinated clinic visits for 51 individuals to determine each person's radiation status and to reconstruct his or her radiation dose.

The January 23, 2012 tornado striking Center Point, Clay, and Trussville damaged or destroyed 231 homes and businesses, injured over 100 persons and resulted in one death. In response to this disaster, JCDH coordinated the Public Health Branch of the Emergency Operations Center of the Jefferson County Emergency Management Agency. As part of its response, JCDH established four locations in Center Point, Trussville, Adger and Clay which provided tetanus shots to 113 area residents and first responders.

JCDH conducted health screenings and care referrals during February 2012 in the Collegeville, Harriman Park and Fairmont communities for residents of these North Birmingham neighborhoods. In conjunction with the Environmental Protection Agency (EPA), JCDH provided data, health information and meeting facilitation for residents concerned about potential health effects from pollution. During the June 2, 2012 Environmental Health Day sponsored by the EPA and JCDH, lead poisoning prevention and mosquito control information was distributed. The same day, a tire cleanup was conducted in North Birmingham resulting in 47 tires being recycled.

In coordination with the Birmingham City Schools and the EPA, JCDH responded to a mercury spill that had occurred at Putnam Middle School on March 9, 2012. JCDH's two-fold response included home visits to students and staff whose personal items were determined to have been contaminated with mercury and provision of precautionary urine screenings for staff, students and families to assess mercury levels. Through coordination with federal, state and local agencies in efforts to protect the health of the public, JCDH endeavors to utilize all possible resources to respond efficiently and effectively to public health hazards.



JCDH employees conduct health screenings for residents of North Birmingham neighborhoods.

To evaluate options for enabling JCDH to respond effectively to the changing health care environment, JCDH conducted an in-depth Federally Qualified Health Center feasibility analysis. As JCDH continues to advance public health in Jefferson County, appropriate response to emerging health needs and opportunities will remain a priority for future growth.

Emergence Story:

"In the early morning hours of January 23, 2012, a tornado struck within the Trussville city limits. During the recovery phase, multiple patients were referred to the tetanus immunization clinic provided in Trussville by the Jefferson County Department of Health. As a result, no serious injuries were sustained after the initial event during the recovery operation and valuable time was saved by the victims of the storm during the cleanup and salvage phase."

Sarah Nafziger, MD, UAB Department of Emergency Medicine

Cultivating the Seeds of Public Health

Cultivation

Throughout 2012, the Jefferson County Department of Health (JCDH) cultivated the seeds of public health through employee development, community education and training and community health awards and events. In support of JCDH employee's ability to cultivate public health, 47 staff development courses were implemented. On June 7, 2012, JCDH employees participated in the Rocket's Dispensing Throughput Exercise. This event provided evaluation, training and testing of communication and mass prophylaxis capabilities in emergency situations. During this exercise, over 526 prophylactic medications were dispensed in under two hours.



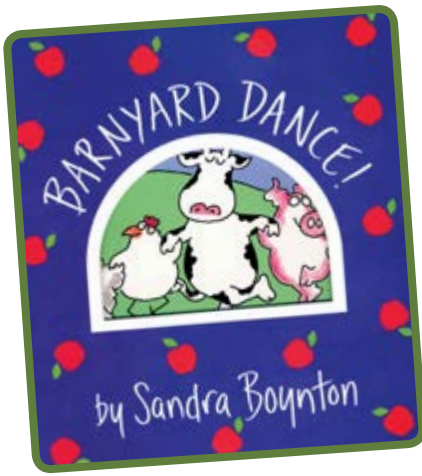
Rockets Dispensing Throughput Exercise

Proactive education of residents improves Jefferson County's health. During 2012, JCDH conducted three Erosion and Sedimentation Control workshops attended by 135 builders and municipal officers and offered training for 187 participants on Stormwater Standard Operating Procedures. Certified Pool/Spa Operator education and online and in-person food handler training classes provide pool and food service workers with information and techniques critical to protecting Jefferson County residents from food and waterborne illnesses. Within the medical community, JCDH, in collaboration with the Alabama Department of Public Health, initiated the Decrease Epidemiological Threats with Environmental Controls and Testing (DETECT) surveillance system training to prevent the spread of reportable illnesses and conditions. DETECT training has enabled the medical community to prevent additional cases of reportable illnesses and conditions by encouraging detection, testing and reporting of Alabama notifiable diseases to the health department. This program has established a successful foundation for subsequent investigation, prevention and public health education.

In promoting healthy behavior community-wide, JCDH developed regulations to incentivize food facilities for displaying retail tobacco warnings; during 2012, 35 establishments received such incentives. To protect the health of children attending schools within Jefferson County, the school environments in public and private Jefferson County schools were evaluated on lunchroom inspection scores, facility sanitation room inspection scores and immunization survey scores. The schools receiving the highest scores from these evaluations were recognized with the Health Officer's Healthy School Award of Excellence. The following schools received the 2012 award recognizing the schools' commitment to health promotion: John E. Bryan Elementary School, Gold Award; West Jefferson Elementary School, Silver Award; Trace Crossings Elementary School, Bronze Award.

JCDH continued to cultivate its long-standing tradition of providing quality health care through Clinical and Dental Services in 2012. JCDH continued its participation in the Alabama Chapter of the American Academy of Pediatrics' Asthma Project which supports delivery of the highest quality of asthma care. In partnership with the Samford University McWhorter School of Pharmacy, JCDH received a national award for safe medication use systems for its program to improve health outcomes for patients at high-risk for diabetes complications.

JCDH encouraged youth literacy and healthy lifestyles by hosting a Barnyard Dance for patients of Bessemer



Health Center and Western Health Center in August 2012. The Barnyard Dance featured healthy snacks, guest readings and dance to educate and cultivate healthy behaviors among children.

Collaborating with the United Way of Central Alabama, JCDH provided over \$9,000 in dental services at no cost to the client for 47 uninsured Jefferson County children during the 2012 "Give Kids a Smile" event. Dental exams and extractions for 58 individuals were provided at no charge through "Project Homeless Connect," an initiative designed to address health inequities. Additionally, over 100 individuals with disabilities and their caregivers received oral hygiene education and tools to manage oral health needs at the Let's Move Accessibility Festival in August 2012.

A clean environment provides the fertile soil needed for a healthy community to flourish. In partnership with municipal public work employees from the cities of Midfield, Fairfield, Hueytown, Bessemer, Brighton, Lipscomb and Pleasant Grove, JCDH removed 10.4 tons of metal, tires, plastics and other debris in a three day clean-up of Valley Creek. By engaging Jefferson County's communities in educational health events and training, JCDH continues to cultivate the seeds of public health in Jefferson County.

Cultivation Story:

During 2012, JCDH Health Centers sought innovative strategies to cultivate healthy behaviors related to improved health outcomes among patients. Morris Health Center offered patients produce from employees' home gardens at no cost to the patients. Offering produce to patients also provided the staff at Morris Health Center the opportunity to discuss healthy diets and home gardening as a way to promote healthy eating.

Pruning

Secondary to dwindling service encounters at the Bessemer Health Center, the Jefferson County Department of Health (JCDH) took action to reduce service provision at that center by redirecting patients for certain services to other JCDH Health Centers. This strategic move allowed the Alabama Department of Public Health to assume ownership of the facility while allocating space for JCDH to continue to provide select primary care services at the site.

In October 2012, the Cooper Green Mercy Hospital ended the pharmacy services previously provided in JCDH Health Centers. Following the closing of the pharmacy services, JCDH assisted patients in continuing to obtain more affordable medications through pharmaceutical drug company assistance programs and through assessment of the patient's access to community pharmacies offering lower cost medications. With these assistance measures, JCDH patient's access to affordable medications continues.



Cultivating the Seeds of Public Health

New Growth

Over the past year, the Jefferson County Department of Health (JCDH) has cultivated new areas of growth both within the organization and within the communities it serves. A new structured, behavior-based interview and selection process was adopted as a standard hiring practice. With this new process, JCDH continues to promote fair and equitable hiring practices for a diverse and well-qualified workforce, maintains adherence to the merit system principles and avoids prohibited personnel practices.

To meet emerging technology and communications demands, JCDH has initiated the implementation of a virtualized computer server infrastructure, resulting in the migrating of 40 physical servers into two clouds each configured with eight physical servers. Advanced communication technology through the Voice Over Internet Protocol phone system was installed in 2012 to replace the aging telephone switching system. A new, state-of-the-art Internet and Spam filtering system was installed during the year enhancing the protection of JCDH's data. The improved technology infrastructure has allowed additional data applications supporting JCDH operations to be deployed, including a new tuberculosis disease detection system, an electronic swimming pool and hotel inspection data collection system, a clinical services audit system, an electronic vital events database for county birth and death records and expanded Environmental Health data availability for public consumption.

In 2012, the state of Alabama's Vital Records office initiated a new process for filing death certificates, the Electronic Death Record System (EDRS), which allows death certificates to be processed in less time and increases record accessibility. JCDH provided training on EDRS to 42 funeral homes, 15 hospice providers, 20 nursing homes, 13 hospitals and numerous physician offices throughout Jefferson County during 2012 and continues to educate facilities on the new system.

JCDH continues to encourage healthy growth for Jefferson County through its key role in the Jefferson County Health Action Partnership. In improving the health and wellness of children and youth, the Bessemer and Jefferson County School Systems adopted comprehensive school wellness policies emphasizing increasing student physical activity and improving nutrition. As a result of new childcare regulations which became effective on January 2, 2012, an estimated 17,600 children will experience the positive health impacts of higher safety standards, increased physical activity, improved nutrition and reduced tobacco exposure in childcare centers throughout Jefferson County.

In coordination with the Jefferson County Land Planning and Development Services Department and Conservation Alabama Foundation, the Jefferson County Health Action Partnership hosted a day-long workshop laying the foundation for more livable Jefferson County communities through the Complete Streets initiative. Complete Streets are a proven, cost-effective way to improve safety and accessibility for everyone using the roads – pedestrians, bicyclists, transit users, motorists, and people of all ages and abilities. Complete Streets provide more transportation choices, encourage healthier and active living and contribute to the overall quality of life in neighborhoods by incorporating economic, social and mobility functions into neighborhood design. Through the Complete Streets initiative and the partially completed Red Rock Ridge and Valley Trail System, Jefferson County





residents have gained increased opportunity for physical activity. During the year, JCDH leveraged \$1 million in matching funds in order to enable the City of Birmingham to receive a \$10 million Transportation Investment Generating Economic Recovery (TIGER) grant for completion of several additional miles of the Red Rock Ridge and Valley Trail System.

As a part of the Communities Putting Prevention to Work (CPPW) grant, a refrigerated truck was purchased, allowing the Community Food Bank of Jefferson County to transport fresh fruits and vegetables to over 100,000

residents served through 50 food pantries and soup kitchens located throughout the county. Along with REV Birmingham's Urban Food project, the Jefferson County Health Action Partnership's work provided access to healthy food for individuals living in "food deserts," areas without adequate access to healthy food as part of two pilot public farmer's markets. Additional communities have been identified for future market development to make healthy food choices more accessible within Jefferson County.

Reducing Jefferson County residents' second-hand smoke exposure remained a priority for JCDH as well as the Jefferson County Health Action Partnership in 2012. Comprehensive protections against second-hand smoke exposure in all worksites, restaurants and bars were enacted in the cities of Midfield, Fultondale, Clay, Bessemer, Vestavia Hills and Birmingham. With adoption and implementation of these health-focused policies, new growth toward a healthier Jefferson County will continue.

New Growth Story:

"Besides bartending, as a student I recruit participants from bars for vaccine research conducted by the University of Alabama at Birmingham. In one of my classes, it seemed that all we talked about was how awful smoking is and how smoke exposure increased the chance for negative outcomes which made me hyper-aware of how bad it was for you. On top of that, there were the physical effects. Working as a bartender in a smoke-filled environment was pretty miserable. The smoke definitely bothered me more and more, especially as the year progressed.



The smoke was actually the biggest downside of the work. As a bartender, as well as a clinical researcher, I was at plenty of bars this past year that allowed smoking. It was not just the fact that by the time I left I felt miserable, almost nauseous sometimes, but my eyes would burn and my clothes would smell awful. I was sick a lot this past semester. The smoke was probably one of the main reasons for that, too. It affected other things in my life: I like to work out; I do kung fu; I do jujitsu. These are very physically demanding and the smoke interferes with that."

Maz Mulla
Birmingham



Root System

Maintaining a healthy root system represents the foundation and ongoing support for the growth of public health in Jefferson County. To sustain the roots of health in our communities, it is important the Jefferson County Department of Health (JCDH) retain a healthy workforce. Physical activity by JCDH employees has been encouraged through the continuation of the Global Fit activity program in 2012. To date, 57% of JCDH's employees have enrolled in the program with 96 employees achieving the winter activity goal and 115 employees achieving the spring activity goal. Also during 2012, 80% of JCDH employees participated in the Employee Wellness Screening Program allowing JCDH to maintain its health insurance preferred rate status to combat rising health insurance premiums and to promote wellness.



JCDH continues to assist Jefferson County residents in maintaining the roots of personal health through community education, provision of pediatric, adult health, immunization and family planning primary care services, selected specialty services through Tuberculosis, Sexually Transmitted Disease, Dental and Travel Clinics and investigation and prevention of infectious disease. To assist with the prevention and management of chronic diseases, JCDH provides immunization clinics, wellness screenings and disease-specific workshops. Diabetes Prevention classes, focused on healthy lifestyle changes were initiated in Midfield and downtown Birmingham in July 2012.



JCDH provided primary care services for 39,814 pediatric patients, 8,092 adult health patients and 9,098 family planning patients during 2012. Other clinical services provided for JCDH patients include diabetes management and smoking cessation offered in collaboration with Samford University's McWhorter School of Pharmacy. To support the provision of high quality clinical care, JCDH collected and processed 345,155 laboratory tests during the year. To comply with federal regulations related to laboratories (Clinical Laboratory Improvement Amendments of 1988), a recertification survey of the JCDH Clinical Laboratories is conducted every two years. An indication of the excellence of JCDH's clinical care is JCDH's maintenance of its perfect laboratory compliance score during this laboratory inspection. Additionally, JCDH exceeded the recent Meaningful Use of Electronic Medical Records requirements under the Health Information and Technology for Economic and Clinical Health (HITECH) Act.

Social Services and nutrition support remain important in assisting JCDH patients in creating and maintaining healthy lifestyles. Over 850 individuals received support from JCDH's Social Services in 2012 including health insurance application assistance, transportation services and referral to community resources. The Special Supplemental Nutrition Program for Women, Infants and Children (WIC) provided nutrition education and food benefits for 17,377 low income women, infants and children in Jefferson County. Additionally, the WIC program provided education and learning activities on healthy food choices by celebrating the National Nutrition Month in March, National Breastfeeding Awareness month in August and National Fruits and Vegetables Month in September.

Meeting dental health needs continues to be a concern for many Jefferson County residents. To address access to care and health equity issues related to dental services, JCDH provided over \$1.5 million in dental disease prevention and treatment services for approximately 10,000 individuals during 2012. In promoting oral health awareness and the prevention of oral disease, JCDH provided free dental screenings to 3,392 kindergarten and 3rd grade students at 24 elementary schools throughout the county. These dental screenings are provided in collaboration with the Centers for Disease Control and Prevention (CDC) and the Alabama Department of Public Health (ADPH). JCDH dental staff also provided 347 children attending Head Start and Early Head Start programs in Jefferson County with oral health screenings to promote oral health and detect oral disease in these young children.



Maintaining the roots of health also involves investigating, treating and preventing infectious diseases. In complying with the Centers for Disease Control and Prevention (CDC) guidelines recommending the screening of all sexually active women less than 25 years of age for sexually transmitted diseases, JCDH screened over 250 students in local post-secondary schools and treated individuals testing positive for the diseases. JCDH also collaborated with the University of Alabama at Birmingham (UAB) Hospital's Emergency Department and the Alabama Department of Public Health (ADPH) to offer Gonorrhea and Chlamydia testing to women under age 25 at no cost to the woman. Screening and treatment for Syphilis, HIV, Gonorrhea and Chlamydia continues to be provided for inmates incarcerated for more than 30 days within the Jefferson County and Birmingham City Jails. In addition, JCDH investigated potential cases of sexually transmitted diseases and provided care and referrals for 2,452 residents of Jefferson County testing positive for Syphilis, Chlamydia, Gonorrhea and HIV during 2012.

JCDH's Tuberculosis (TB) program continued its efforts to eliminate tuberculosis in Jefferson County by providing medication through directly observed therapy for 35 individuals with active TB and 31 individuals suspected of having the disease. During 2012, over 2,600 individuals exposed to persons with tuberculosis were screened for the disease. Tuberculosis skin tests were provided to identify tuberculosis exposure for over 2,500 individuals. In addition, over 1,300 Jefferson County residents received chest x-rays for the evaluation of latent tuberculosis infection in 2012. JCDH also investigated over 300 additional reportable illness cases, including 7 probable Norovirus outbreaks and 15 food-borne illnesses. Influenza surveillance, an important aspect of monitoring public health, also continued during the year. To encourage influenza vaccination, JCDH provided information for residents and businesses about the expected loss of time and wages resulting from influenza.

Immunizations remain the most effective method to prevent the spread of a communicable disease. In 2012, JCDH provided walk-in immunizations at no charge for 622 children at monthly Tot Shot clinics held in four community locations. The Community Services and Travel Clinic at JCDH administered over 3,200 immunizations and provided travel consultations for 693 travelers. To ensure school-age children receive proper immunization, JCDH performs an annual immunization audit for all daycares and public and private schools within Jefferson County. Scores from annual immunization audits are available for the public's review on the JCDH website (www.jcdh.org). Due to the excellent outcome of immunization efforts in Jefferson County as measured by the immunization audit scores, JCDH received a performance incentive of over \$40,000 from the State of Alabama to continue immunization work in the county.



The roots of public health extend beyond disease prevention, investigation and treatment to include healthy environments. To protect environmental health in Jefferson County, JCDH inspects and permits a variety of community institutions and investigates complaints potentially representing a public health risk. In 2012, JCDH inspected and permitted the institutions and investigated the complaints listed in the table on the right.

JCDH also protects the health of Jefferson County by maintaining a state of readiness for public health threats. In 2012, JCDH received a score of 99% on the annual Local Technical Assistance Review of the Cities Readiness Initiative grant, indicating a high level of community preparedness for managing a public health threat.

Providing information to its community is another vital piece of the public health root system. In 2012, Jefferson County processed requests for 32,695 birth certificates, 51,313 death certificates and 1,785 marriage or divorce certificates. JCDH also served as a part of the Child Death Review process by reviewing every unexplained death of a child in Alabama. Through the Child Death Review, JCDH plays an important role in preventing future accidental deaths and identifying other strategies to protect the lives of children and youth.

Over the past 95 years, JCDH has established and sustained an extensive root system supporting public health within Jefferson County. These roots remain the foundation for the new growth in public health both now and for the future. From these roots and the fruits of past public health activities, JCDH continues its tradition of public health excellence. JCDH's vision for the future is to continue to promote Jefferson County's growth as a healthy community of healthy people in a healthy environment through leadership and service.

Root System Story:

"Jefferson County Committee for Economic Opportunity (JCCEO) would like to thank the Jefferson County Department of Health (JCDH) for their generosity of donating time and service in screening 347 Head Start/Early Head Start Participants during our 2011-12 school year. Inclusive with our annual screening, we would also like to thank JCDH for its ongoing collaboration with us throughout the school year for new enrollee dental exams and treatment plans for children that are required to return for treatment."

Ms. Willie Glass

Health/Mental Health Specialist for JCCEO

Public Institutions Inspected

Type	Number of Inspections
Food Service	11,942
Erosion and Sedimentation	10,415
Pool/Spas	2,068
X-Ray Facilities	949
Onsite Sewage Disposal	888
Storm Water	671
Air Pollution	425
Temporary Food Events	230
Garbage Hauler	207
Childcare Facilities	185
Lodging Facilities	146
Mobile Home Parks	112
Schools	108
Communal Living Facilities	82
Tanning Beds	54
Body Art Facilities	37
Solid Waste Facilities	15
Jails	13
Transfer Stations	4
Total Inspections Completed	28,551

Public Institutions Permitted

Type	Number of Permits Issued
Food & Lodging Facilities	270
Air Pollution Generating Facilities	243
Mobile Home Parks	56
Body Art Facilities	23
Solid Waste Transfer Stations	2
Total Permits Issued	594

Complaints Investigated

Type	Complaints Investigated
Sanitation	1,695
Food & Lodging	1,126
Onsite Sewage Disposal	973
Animal Exposures	786
Air Pollution	261
Total Complaints Investigated	4,841

General Financial Information

Revenues (General Fund - \$43,778,103)

1) Ad Valorem Tax Revenue (\$6,396,392 - 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 ad valorem taxes collected within the County excluding ad valorem taxes collected for the State of Alabama and all Boards of Education located in the County. These funds are forwarded to JCDH as the taxes are collected.

2) Sales Tax Revenue (\$19,169,194 - 44% of General Fund Revenues)

JCDH receives approximately 20% of the total Jefferson County sales tax.

3) State & Federal Contracts (\$3,083,730 - 7% of General Fund Revenues)

These are primarily dollars received from the Alabama Department of Public Health (ADPH) resulting from contracts or subcontracts to administer selected 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 (\$9,388,729 - 21% of General Fund Revenues)

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

Using the Federal Poverty Guidelines, JCDH offers reduced fee for service for patients meeting financial and residential guidelines. Approximately 4% of JCDH's reimbursement is attained from patients, 87% from Medicaid, 8% from Blue Cross and the remaining 1% from all other payers combined (e.g., Medicare, etc.)

5) Environmental Health Services (\$2,684,118 -6% 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 the Environmental Health staff such as restaurant inspections, septic system plans and inspections, air pollution permit fees, open burning permits, radiological equipment inspection and food handler training.

6) Other Revenue (\$3,055,940 -7% 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 the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) and Air Pollution. Also included are allowable fines levied for violation of public health laws (e.g., air pollution violations), rental fees, parking lot and meter receipts and fees received for copies of vital records. This category also 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

General Financial Information

Expenditures (General Fund - \$44,273,313)

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 2012 include:

* Salaries and Benefits	\$30,625,752	69%
* Materials and Supplies	6,767,612	15%
* Contract Services	2,079,949	5%
* Capital Fund Transfers	4,800,000	11%
Total	\$44,273,313	100%

JCDH also has eight Special Revenue Funds totaling \$11,006,106. Funding is received from Federal awards passed through JCDH and designated for activities related to immunizations, nutrition, storm water and air pollution. These funds are operated in accordance with the funding requirements of special grants and appropriations.

Health Statistics, 2011*

Population by Age

(2011 Census Bureau Estimates)

<1 year ¹	8,827
1-14 years	119,623
15-24 years	88,944
25-64 years	354,052
65 years and older	86,876
Total	658,322

Maternal and Child Health

(number and rate or percent)

	Number	Jefferson County	Alabama ²	United States ⁴
Live Births (women age 15-44)	8,827	64.3 per 1,000	61.8 per 1,000	63.2 per 1,000
Low Birthweight Births (<2500 g)	953	10.8%	10.0%	8.1%
Very Low Birthweight Births (<1500 g)	204	2.3%	1.9%	1.4%
Live Births to Teens (women age 10 to 19)	863	19.6 per 1,000	27.5 per 1,000	NA
Infant Mortality	87	9.9 per 1,000	8.1 per 1,000	6.1 per 1,000
Note: all birthweight and infant mortality data is based on live births				

Communicable Diseases

(rates per 100,000 population)

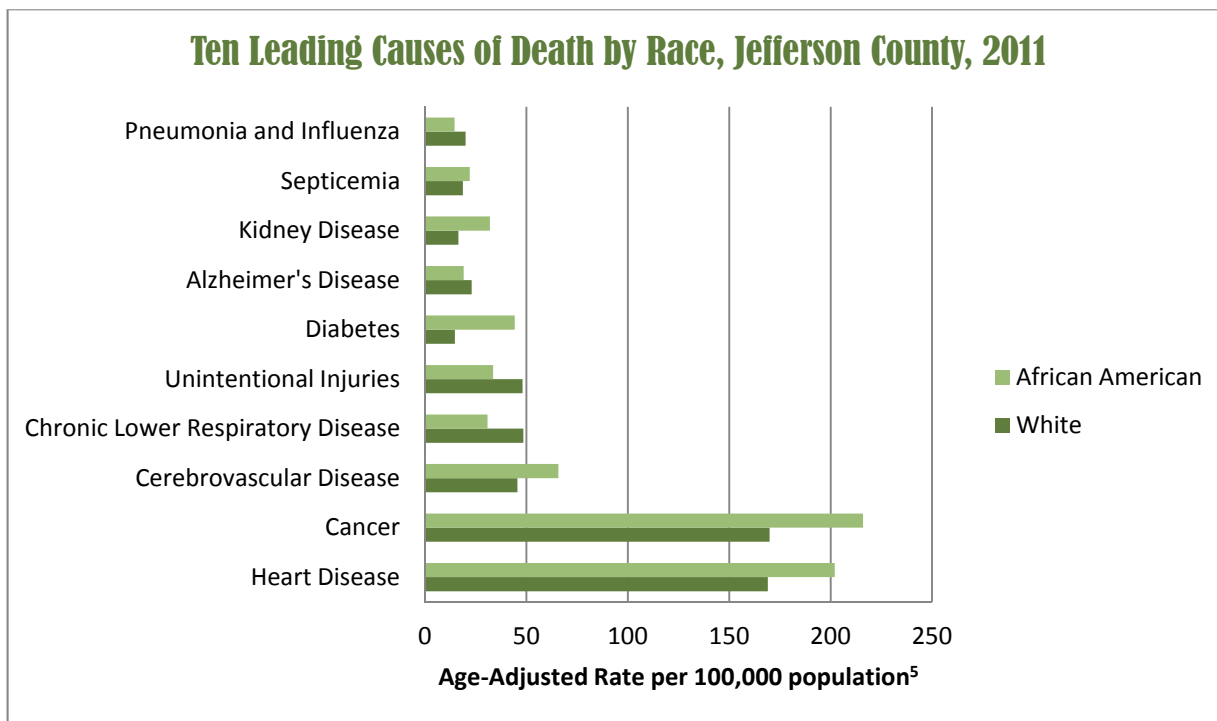
	Jefferson County	Alabama ³	United States ³
Chlamydia	NA	620	457.6
Gonorrhea ⁶	276	191.1	104.2
Syphilis (primary & secondary)	11	4.8	4.5
Tuberculosis	4.5	3.4	3.4

Health Statistics, 2011*

Chronic Diseases

(Age-adjusted mortality rate per 100,000 population)

	Jefferson County
Heart Disease	213.5
Cancer	199
Stroke	61.3
Alzheimer's Disease	32.1
Diabetes	27.1



1. 2011 number of live births in Jefferson County
2. Rates are based on 2011 population projections. Alabama Department of Public Health (ADPH); www.adph.org/healthstats
3. Centers for Disease Control and Prevention (CDC); www.cdc.gov
4. Based on the preliminary data for 2011 from the US National Vital Statistics Report; http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_02_tables.pdf
5. Rates are based on the 2011 American Community Survey 1-year estimates for Jefferson County. www.census.gov
6. Data from the STD Surveillance Network reporting

*2012 Selected Health Statistics will be available in the 2013 Annual Report

Acknowledgements and Contributing Authors

Appreciation is expressed to those who assisted in developing this report.

Mark E. Wilson, MD
Health Officer

Carolyn Dobbs, MD, PhD, MPH
Deputy Health Officer and Disease Control Director

Elisabeth Welty, MPH
Author, Quality Improvement and Decision Support

Gregory Townsend, MPPM
Author, Quality Improvement and Decision Support

Chris Granger
Graphic Design

Clinical Services:

Stephen Mallard, MD
Medical Director

Doris Cunningham
Assistant Health Services Administrator

Dental Health:

Nathan Smith, DMD, MPH
Director

Disease Control:

Nina Hassell, MPH
Epidemiological Analyst

Emergency Preparedness & Public Relations:

Heather Hogue, PharmD
Director

Julie Cobb, RN
School Health Nurse

Liz Hicks
Graphic Designer

Environmental Health:

Jonathan Stanton, PE
Director

Bruce Braden
Environmental Health Program Manager

Corey Masuca, PE, PhD
Senior Air Pollution Control Engineer

Barbara Newman, MPH, MPA
Environmental Health Program Supervisor

Jeff Swinney
Environmental Health Program Manager

Finance and Administration:

Rodney Holmes, CPA
Director

Neilsen Capouya
Manager Systems Analysis

Rosalind Jackson
Administrative Coordinator, Vital Records

Judy Madison
Chief Accountant

Bryn Manzella, MPH
Director, Quality Improvement and Decision Support

Terria McDonald
Personnel Technician

This report was prepared by the Quality Improvement and Decision Support Division of the Jefferson County Health Department, Jefferson County, AL.



JEFFERSON COUNTY
DEPARTMENT OF HEALTH
ALABAMA

