

JEFFERSON COUNTY HEALTH DEPARTMENT



ANNUAL REPORT

JANUARY 1, 2007 THROUGH DECEMBER 31, 2007

“Public Health is what we, as a society, do collectively to assure the conditions in which people can be healthy.”

-The Institute of Medicine

Visit our website at: www.jeffcohealth.org



Public Health
Prevent. Promote. Protect.

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GENERAL INFORMATION

Jefferson County Health Department (JCHD) operates two health centers. The main office is located at 405 Main Street, P.O. Box 437, Hillsboro, MO 63050. The local telephone number is (636) 789-3372, and a toll free number for northern Jefferson County and the St. Louis area is also available at (636) 797-3737. The main fax number is (636) 797-4631, and Environmental Service's fax number is (636) 789-9030. JCHD's website address is www.jeffcohealth.org.

The branch office is located at 1818 Lonedell Road, Arnold, MO 63010. The local telephone number is (636) 282-1010. The fax number is (636) 282-2525.

Both offices are open extended hours for the public's convenience, from 8:00 a.m. to 5:30 p.m. Monday through Friday. Nursing services are available Mondays through Thursdays. Services are provided on a nondiscriminatory basis. JCHD is an equal opportunity employer. The Health Department is an official voter registration site. Certified copies of birth and death certificates may be immediately obtained upon request at the Hillsboro and Arnold locations. Birth records are \$15.00 each; the first death record requested is \$13.00, additional copies of the same record are \$10.00 each. There is an additional fee if records are mailed. Statistics for 2007 are as follows:

Births recorded.....	728
Deaths recorded.....	1167
Fetal deaths recorded.....	1
Certified copies issued.....	21,168

Notable accomplishments during 2007 include:

- Budget concerns caused by continuing decreases in federal and state funding streams resulted in significant changes in Health Department activities in 2007. Reduced funding has been a problem for some time, but by the beginning of the year JCHD had expended almost all of its reserve funds to continue operations. Over half of the department's budget is funded by grants, contracts and fees. In an attempt to increase revenue, the voters were asked in April to approve an increase in the property tax rate to a total of \$0.17. The original rate approved in 1949 of \$0.10/ \$100 assessed valuation has never been increased, and in fact has been rolled back to \$0.0769 as a result of the Hancock Amendment. Despite a strong campaign, the ballot issue lost by a vote of 45% For; 55% Against. The following actions were taken as a result:
 - A comprehensive review of expenses was conducted and savings identified in areas including telecommunications, biohazard disposal, computer purchasing, custodial services, vehicle insurance and dumpster service. Debt on the Arnold office was re-financed.
 - The Home Visiting Program for at-risk infants was discontinued in September.
 - The School Health Program ended in May.

- The scope of the comprehensive mosquito control program to prevent West Nile infections was reduced.
 - The availability of immunizations, pregnancy tests and other walk-in services was reduced to certain days, by appointment.
 - Overall office hours were reduced from 7:30 AM to 6:00 PM Mondays through Fridays to 8:00 AM to 5:30 PM. Nursing services are not provided on Fridays.
 - Personnel expenses have been reduced by \$300,000.00
- JCHD continued to provide support and assistance to agencies involved in the Herculaneum lead clean-up project. EPA began a survey of potentially high risk properties in Jefferson County for elevated levels of lead in soil and water.
 - Incumbent Mrs. Gerry McKee and one new Board member, Mr. Tim Pigg, were elected to the Board in April.
 - A 501 © 3 organization called the Jefferson County Foundation for Health and Safety was incorporated in May with the mission “To acquire, leverage and disseminate resources to build capacity for health promotion, disease prevention and community protection.”
 - Air conditioners were distributed again this summer to at-risk residents at no charge as part of the Ameren “Be Cool” program.
 - JCHD received an Infrastructure Improvement grant from the Missouri Foundation for Health which allowed repairs to the Hillsboro office roof and guttering to be made. Other repairs and renovations were completed by the staff.
 - An emergency back-up generator was installed in the Hillsboro office.
 - JCHD decided to participate in the Missouri Screen for Life program, which provides early detection of colon cancer.
 - JCHD collaborated with the Jefferson County Sheriff’s Office and several other agencies to obtain a COPS Methamphetamine grant which will provide meth testing capability, treatment options, retailer education and raise community awareness of the methamphetamine issue.

Following the 2007 budget, the table of organization and a discussion of Public Health is a summary of other selected services provided by the Jefferson County Health Department during 2007.

JEFFERSON COUNTY HEALTH DEPARTMENT

JANUARY 1, 2007 THROUGH DECEMBER 31, 2007

ESTIMATED CARRYOVER	\$78,000.00
REVENUE	
LOCAL TAXES	\$1,775,119.00
FINANCIAL INSTITUTION TAX	\$2,500.00
SUR TAX	\$15,000.00
DEPARTMENT OF HEALTH	
ADMINISTRATIVE/OVERHEAD	\$8,967.00
BIOTERRORISM PLANNER/EPI SPECIALIST	\$197,344.00
CHEST CLINIC	\$3,000.00
CHILD CARE FACILITIES	\$7,500.00
CHRONIC DISEASE	\$35,000.00
CITY READINESS INITIATIVE	\$57,925.00
CORE PUBLIC HEALTH FUNCTIONS	\$149,649.00
HEAD INJURY SERVICE COORDINATION	\$120,000.00
MATERNAL & CHILD HEALTH	\$60,845.00
PANDEMIC FLU/PHASE I	\$41,664.00
PANDEMIC FLU/PHASE II	\$54,073.00
SCHOOL HEALTH	\$14,507.00
SHOW ME HEALTHY WOMEN/WISE WOMEN	\$17,500.00
SMALL BANANAS	\$16,000.00
SPECIAL HEALTH CARE NEEDS COORDINATOR	\$107,000.00
WEST NILE VIRUS MOSQUITO SURVEILLANCE	\$7,500.00
MISCELLANEOUS	\$5,000.00
DEPARTMENT OF CORRECTIONS	\$1,200.00
SEXUALLY ORIENTED BUSINESS/COUNTY OF JEFFERSON	\$10,000.00
VECTOR CONTROL/COUNTY OF JEFFERSON	\$25,000.00
SUNRISE SCHOOL REIMBURSEMENT	\$8,000.00
MO FAMILY HEALTH COUNCIL/FAMILY PLANNING	\$132,835.00
IMPROVED CERVICAL CANCER SCREENINGS	\$3,500.00
MO FOUNDATION FOR HEALTH	
DENTAL GRANT	\$98,033.00
GET HEALTHY DESOTO GRANT	\$77,477.00
TOBACCO GRANT	\$10,940.00
INTEREST	\$15,000.00
FEE COLLECTION	
FAMILY PLANNING/STD FEES	\$107,500.00
FOOD EDUCATION/PERMITS/PLAN REVIEWS/OTHER	\$138,000.00
IMMUNIZATION FEES	\$40,000.00
LAB FEES/WELLNESS	\$10,000.00
REGISTRAR	\$250,000.00
TUBERCULIN TEST FEE	\$9,000.00
WATER TESTING	\$45,000.00
MEDICAID	\$120,000.00

MEDICARE	\$75,000.00
VEHICLE USAGE REIMBURSEMENT	\$9,000.00
DONATIONS	\$2,000.00
MISCELLANEOUS	\$32,000.00
ESTIMATED CARRYOVER	\$200,000.00
TOTAL REVENUE	\$4,115,578.00
TOTAL FUNDS AVAILABLE	\$4,193,578.00
LESS PROPOSED EXPENDITURES	\$3,994,639.00
PROJECTED BALANCE 12/31/2007	\$198,939.00
EXPENSES	
MILEAGE REIMBURSEMENT	\$23,000.00
FUEL COST	\$40,000.00
TRAINING/MEETINGS	
AIRLINE/SHUTTLE/CAB EXPENSES	\$2,000.00
FOOD REIMBURSEMENT EXPENSES	\$1,500.00
LODGING EXPENSES	\$4,000.00
REGISTRATION FEE EXPENSES	\$12,500.00
OPERATING EXPENSE	
BIO HAZARD PICKUP	\$4,000.00
DUMPSTER	\$2,500.00
SHREDDING SERVICE	\$1,440.00
BOARD	\$1,000.00
EQUIPMENT MAINTENANCE	\$25,000.00
GENERAL MAINTENANCE	\$10,000.00
VEHICLE MAINTENANCE	\$13,000.00
ELECTRIC	\$20,000.00
HEATING FUEL	\$11,000.00
WATER/SEWER	\$1,500.00
MORTGAGE PAYMENT	\$65,635.00
ADVERTISING EXPENSE	\$7,000.00
BOOKS/SUBSCRIPTIONS/REFERENCES	\$300.00
POSTAGE	\$20,000.00
PRINTING/COPY	\$6,000.00
CELL PHONES	\$12,000.00
OFFICE TELEPHONE	\$30,000.00
PAGERS	\$885.00
INSURANCE	
BLDG/LIAB/E&O	\$17,000.00
BOND	\$750.00
VEHICLE INSURANCE	\$18,000.00
UNEMPLOYMENT	\$3,000.00
WORKERS' COMP	\$31,200.00

SUPPLIES	
OFFICE SUPPLIES	\$25,000.00
PROGRAM	
CUSTODIAL	\$4,000.00
ENVIRONMENTAL SUPPLIES	\$40,000.00
FAMILY PLANNING	\$75,000.00
FOOD PROGRAM	\$8,700.00
NURSE	\$125,000.00
OTHER PROGRAM EXPENSES	\$53,300.00
PROMOTIONAL ITEMS	\$1,000.00
SEXUALLY ORIENTED BUSINESS	\$9,000.00
VECTOR CONTROL PROGRAM	\$35,000.00
VITAL RECORDS PROGRAM	\$20,000.00
EQUIP/FURNITURE	\$0.00
COMPUTER EQUIP	\$0.00
CONTRACTUAL	
AUDIT	\$11,500.00
LEGAL	\$16,000.00
MEDICAL	\$44,000.00
ELECTION	\$80,000.00
CONTINGENCY	\$41,786.00
MISCELLANEOUS	\$1,000.00
TOTAL	\$1,740,578.00

ESTIMATED EXPENDITURES 2007

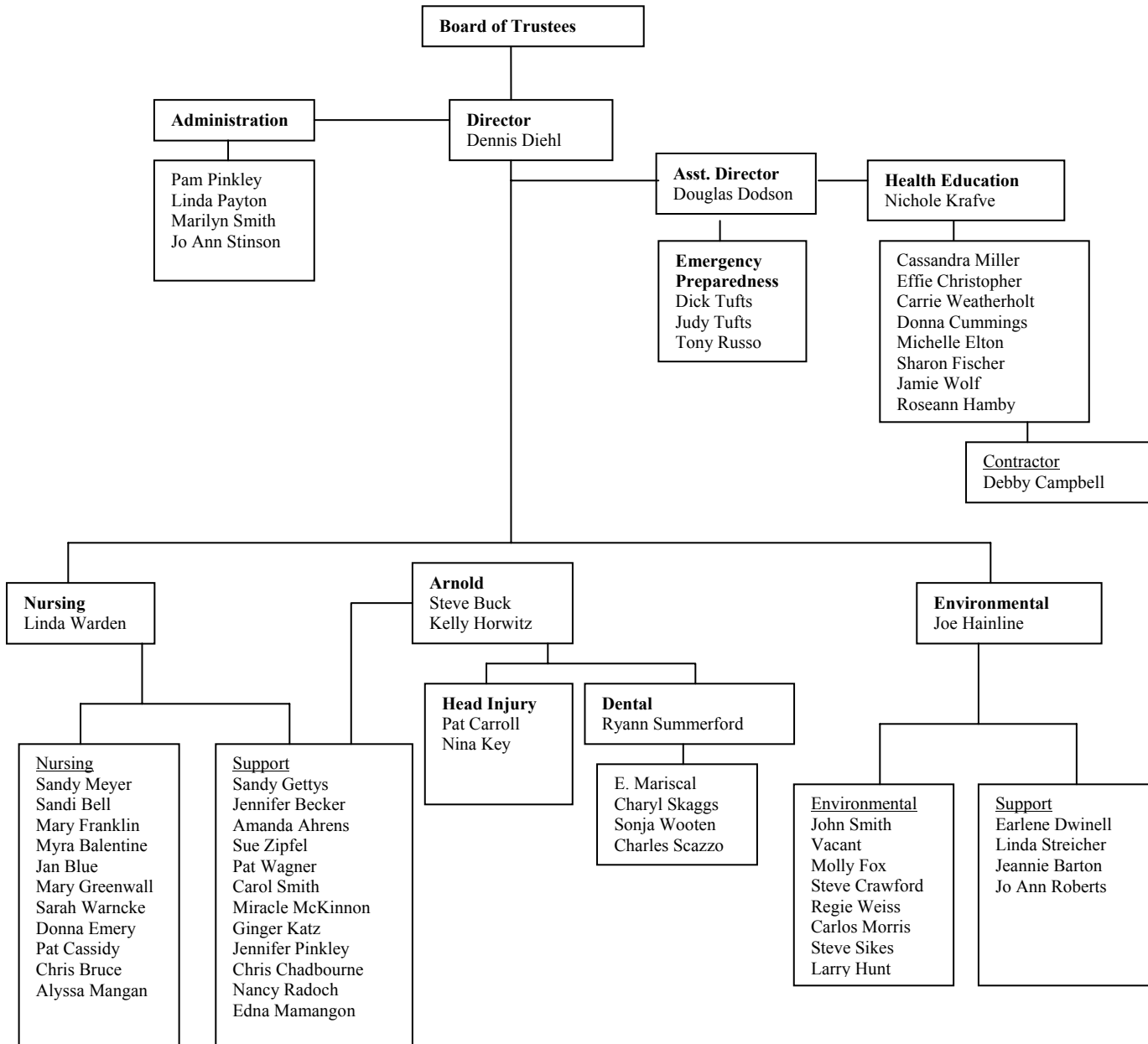
SALARIES		\$2,107,993.00
FRINGE		\$788,143.00
TRAVEL	\$41,850.00	
TRAINING/MEETINGS	\$20,600.00	
BUILDING LOAN REPAYMENT	\$160,000.00	
OPERATING EXPENSE	\$124,105.00	
INSURANCE	\$19,100.00	
SUPPLIES	\$399,400.00	
EQUIPMENT/FURNITURE	\$3,500.00	
COMPUTER EQUIPMENT	\$5,000.00	
CONTRACTUAL	\$72,300.00	
ELECTION	\$60,000.00	
MISCELLANEOUS	\$3,000.00	
DENTAL PROGRAM	\$98,033.00	
GET HEALTHY DESOTO	\$77,477.00	
TOBACCO INITIATIVE	\$10,940.00	
CONTINGENCY	\$3,198.00	
TOTAL NON-PERSONNEL EXPENDITURES		\$1,098,503.00
<u>GRAND TOTAL</u>		\$3,994,639.00

JEFFERSON COUNTY HEALTH DEPARTMENT

BOARD OF TRUSTEES (as of December 31, 2007)

President: Mr. Paul Wieland
Members: Mrs. Ann Ems
Mr. Tim Pigg
Mrs. Elizabeth McCarthy
Mrs. Geraldine McKee, R.N.
Secretary to the Board: Mrs. Pamela Pinkley

TABLE OF ORGANIZATION



What Does Jefferson County Health Department Do in Our Community?

One of the biggest challenges Local Public Health Agencies (LPHAs) continue to face is raising awareness in the community of not only what Public Health does, but why they do it. If you spend time reading this report, you will have a much better idea of what the Jefferson County Health Department does. LPHAs focus on improving the health status of their community. Their goal is to make life healthier and safer for every resident or visitor. JCHD

- ***Protects you from health threats, the everyday and the exceptional.*** JCHD guards multiple fronts to defend you from any health threat, regardless of the source, and works tirelessly to prevent disease outbreaks. JCHD makes sure the tap water you drink, the restaurant food you eat and the air you breathe are all safe. It's ready to respond to any health emergency—be it bioterrorism, severe weather, Pandemic Influenza or an environmental hazard.
- ***Educates you and your neighbors about health issues.*** JCHD gives you information that allows you to make healthy decisions every day, like exercising more, eating right, quitting smoking or simply washing your hands to keep from spreading illness. They provide this information through public forums in your community, public service announcements in the media, programs in schools, health education in homes and clinics, and detailed Web sites. During a public health emergency, JCHD provides important alerts and warnings to protect your health.
- ***Provides healthy solutions for everyone.*** JCHD offers the preventive steps you can take to avoid chronic disease and to help maintain your health. It provides flu shots for at risk individuals; other adult immunizations including Zostavax and Gardasil, and provides other screenings such as mammograms. JCHD also helps provide children with immunizations and good nutrition to help them grow and learn.
- ***Advances community health.*** JCHD plays a vital role in developing new policies and standards that address existing and emerging challenges to our community's health while enforcing a range of laws intended to keep you safe. JCHD is constantly working—through research and rigorous staff training—to maintain its unique expertise and deliver up-to-date, cutting-edge health programs.

In a sense, all of us are part of the public health system. First, we should take responsibility for our own health and safety and that of our families. That means we need to learn about health and then make informed choices about tobacco, alcohol and other substance use; nutrition and physical activity. We should see the appropriate provider regularly for prevention and treatment. And finally, we should care about and get involved in health policy issues in our community. For example, everyone should have

access to means for physical activity and a safe and clean environment. The more community involvement there is, the healthier the people are, which is the goal we all want to achieve.

The activities of the Jefferson County Health Department are guided by its strategic plan. The strategic plan was developed to achieve Jefferson County Health Department's

VISION:

The Jefferson County Health Department will collaborate with community stakeholders to provide an environment that facilitates the promotion of well-being and safety for all.

Our vision will be accomplished by carrying out our

MISSION:

We will focus resources and attention on significant health issues facing all residents of Jefferson County. We will assess, plan and develop policies to identify and ensure delivery of needed services.

Our activities will be conducted according to our

VALUES:

We believe that the promotion of public health and safety is essential to the quality of life for all residents. Our values include:

- Collaboration and Partnership
- Ethical Behavior
- Work Force Development
- Disease Prevention and Health Promotion
- Cultural Diversity and Inclusivity
- Quality Standards of Customer Service
- Community Participation
- Science Based Health Practices
- An Informed and Educated Public Health Consumer

NURSING SERVICES:

CLINIC SERVICES:

- **Communicable Disease Control:**

Screening, treatment, preventive services and referrals are provided for diseases including tuberculosis, sexually transmitted diseases and other communicable diseases. Investigations are conducted and appropriate intervention measures taken in the event of disease outbreaks. Confidential HIV testing, education and counseling is provided. *(Diseases not shown if no cases were reported.)*

Diseases and number of cases reported:

ANIMAL BITES	89
CAMPYLOBACTERIOSIS	19
CHLAMYDIA	202
CRYPTOSPORIDIOSIS	1
E. COLI O157 H7	1
EHRlichiosis HME	5
EHRlichiosis, OTHER OR UNSPECIFIED	1
GIARDIASIS	9
GONORRHEA	51
HAEMOPHILUS INFLUENZAE, INVASIVE	2
HEPATITIS A ACUTE	4
HEPATITIS B (PREGNANCY) PRENATAL	8
HEPATITIS B ACUTE	9
HEPATITIS B CHRONIC INFECTION	11
HEPATITIS C, CHRONIC INFECTION	148
INFLUENZA (TYPE A)	92
INFLUENZA (TYPE B)	20
INFLUENZA (UNK TYPE)	43
LEGIONELLOSIS	2
LYME	2
MENINGOCOCCAL DISEASE	2
PERTUSSIS	1
ROCKY MOUNTAIN SPOTTED FEVER	9
SALMONELLOSIS	17
SHIGA TOXIN + (NON E. COLI/UNKNOWN ORGANISM)	1
SHIGELLOSIS	8
STREP DISEASE, GROUP A INVASIVE	4
STREP PNEUMONIAE, <5 YEARS, INVASIVE	1
STREP PNEUMONIAE, DRUG-RESISTANT	1
SYPHILLIS	2
TULAREMIA	1
VARICELLA (CHICKENPOX)	8
Q FEVER	1
E COLI SHIGA TOXIN POSITIVE	6
NON NEUROINVASIVE WEST NILE	1
RUBELLA	1
RABIES POST EXPOSURE PROPHYLAXIS	1

Tuberculosis clinic visits.....	38
Tuberculosis non-clinic visits.....	141

	Community	Hillsboro	Arnold
HIV tests.....	52	445	463
HIV results/counseling.....	26	82	61
STD Clinic.....	213		
STD Walk-ins.....	351		

- **Family Planning Services:**

Contraceptive counseling and services are available for persons who wish to plan the timing and number of children. JCHD operates one of the largest public family planning programs in Missouri.

	Hillsboro	Arnold
Client visits to Practitioner.....	1083	1166
Non-clinician visits for medical services.....	1227	1615

- **Lead Testing & Follow-up Program:**

Children less than 72 months of age are at greatest risk for lead poisoning and are the primary focus for blood lead testing. Nursing staff provide lead testing for walk-in clients and schedule on-site screenings for high risk clients. JCHD collaborates with WIC and Head Start to ensure that lead screenings are offered to as many children less than six years of age as possible. Clients and families with elevated blood lead levels are provided with education, advice, appropriate referrals and follow-up until blood lead levels return to normal.

Children less than 72 months tested for blood lead.....	602
Children followed for elevated blood lead levels.....	36

- **Immunizations:**

Immunizations routinely recommended for children and adults are available at no charge. Other vaccines are available at a nominal fee. Immunizations are provided on a walk-in basis or with appointments during regular office hours Mondays and Wednesdays in Arnold and Tuesdays and Thursdays in the Hillsboro office. New vaccines offered this year are the Gardasil (HPV) vaccine, which is available to girls ages 9-18 through the Vaccine for Children program and for women 18-26 through a grant from the Missouri Foundation for Health and the Zostavax (Shingles) vaccine which is available for senior citizens on a self-pay basis.

	Hillsboro	Arnold
Diphtheria-Tetanus-Acellular Pertussis.....	467	375
Diphtheria-Tetanus-Acellular Pertussis/Hep. B/IPV.....	154	102
Gardasil.....	483	0
Haemophilus Influenza Type B (HIB).....	288	181

	Hillsboro	Arnold
Hepatitis A.....	722	1099
Hepatitis B	260	249
Hepatitis B and HIB.....	19	18
Inactivated Polio.....	365	296
Measles-Mumps-Rubella (MMR).....	305	288
Measles-Mumps-Rubella-Varicella (MMRV).....	88	89
Meningococcal.....	89	101
Pneumococcal Conjugate (PCV7-Prevnar).....	225	158
Pneumonia.....	63	106
Rabies.....	8	2
Rotateq.....	66	43
Tdap.....	534	517
Tetanus Diphtheria (Adult).....	191	157
Twinrix (Hep. A & Hep. B).....	45	59
Varicella.....	225	202
Influenza.....	1563	1434

- **Walk-In Clinic:**

The health center offers walk-in services Mondays and Wednesdays in the Arnold office and Tuesdays and Thursdays in the Hillsboro office, which include blood pressure testing, TB testing and medication pick-up, and contraceptive supplies. Pregnancy testing, hemoglobins (iron levels), lead testing, blood testing and other lab work are available by appointment.

Blood pressures.....	416
TB tests administered	1491
TB tests read.....	1239
Diabetic/Cholesterol screenings.....	219
PSA screenings.....	29
Colorectal screenings.....	4
Other services (hemoglobins, serology, injections, etc.).....	612

- **Pregnancy Testing:**

Pregnancy testing, counseling and referral services are provided.

	Hillsboro	Arnold
Pregnancy tests administered.....	753	595

- **Temporary Medicaid Cards:**

Patients who have a positive pregnancy test may complete a form for a temporary Medicaid card, and receive counseling and referral services.

Number of temporary Medicaid cards issued.....	702
Number of risk appraisals completed.....	694

SCHOOL HEALTH SERVICES:

Under the school health grant School Health Nurses provided services to schools without school health programs and liaison to public schools. Due to budget constraints the school health grant was not renewed after the 2006-2007 school year.

COMMUNITY HEALTH SERVICES:

Prevention of disease is the core mission of public health, and the prevention of chronic disease presents particularly unique and difficult challenges. JCHD has assembled a highly qualified team of health education specialists to respond to the needs of Jefferson County's residents. The members of the Health Education team provided services to over 44,000 Jefferson County residents in 2007. JCHD's health educators promote health and prevent disease, disability and premature death in Jefferson County through various behavior change activities. To this end, the health education team presents educational programs for schools, worksites and community organizations, facilitates worksite wellness programs, provides health screenings, assists with policy development, conducts community assessments, and coordinates community coalitions.

The Health Education team presented 950 classes to 16,522 youth and adults. Health educators facilitated classes on a variety of topics including nutrition, methamphetamine, sexually transmitted infections, sun safety, dental health, cancer prevention, and tobacco cessation. Other health education highlights are noted in detail under the specific program topics in the following sections.

- **Get Healthy and Active DeSoto:**

JCHD and Get Healthy DeSoto received funding from the Missouri Foundation for Health to increase physical activity and improve nutrition in DeSoto. JCHD provided physical activity and nutrition education to third graders and staff members at Vineland Elementary and Athena Elementary. Programs at Sunrise and St. Rose of Lima will be completed in 2008. JCHD staff members were trained to present "Sneakers", a four-week physical activity and education program, and "Funtastic Nutrition", a six-week healthy eating program from BJC Healthcare Youth Outreach and Development. Staff members at each school received weekly LEARN (Lifestyle, Exercise, Attitude, Relationships, and Nutrition) emails that promoted physical activity and healthy eating and educational presentations on the importance of physical activity and healthy eating. Get Healthy DeSoto distributed weekly newsletters to residents living in the 63020 zip code and organized various wellness events including a Better Body Challenge, golf tournament, and walking clubs.

- **Methamphetamine Action Coalition**

JCHD received funding in 2006 through the United Way of Greater St. Louis to address the issue of methamphetamine use in Jefferson County. JCHD used the initial funding to develop a countywide Methamphetamine Action Coalition

(MAC). The Jefferson County MAC is a group of local agencies dedicated to lowering the rates of meth use in Jefferson County through education, awareness, and community collaboration. MAC held meetings on the fourth Wednesday of every month. A second round of funding from the United Way was used to implement a random community wide assessment during the summer of 2007 to gauge Jefferson County residents' knowledge, beliefs, and social norms regarding methamphetamine and prevention services in our county. Information gathered from the survey will be used to implement effective and efficient strategies to address this on-going problem in our community.

- **Tobacco:**

Jefferson County has the highest lung cancer rate in the state, and one of the highest smoking rates in the state. According to the Missouri Information for Community Assessment, smoking is the number one prioritized risk factor for Jefferson County. A 2003 Missouri County Level Study concluded that 32% of county residents smoked compared to 24% in the state of Missouri, and the rate of death due to smoking-related illness is significantly higher (202 per 100,000) when compared to the state (173 per 100,000). The main goal of the Jefferson County Health Department Tobacco Program is to achieve a healthy, tobacco-free environment for Jefferson County. The Tobacco Program seeks to accomplish this goal by preventing tobacco use, promoting tobacco cessation and providing resources through information and education regarding the risks associated with the use of tobacco, the risks of exposure to secondhand smoke, and the benefits resulting from tobacco cessation.

Tobacco Prevention Education surveys were distributed to all 82 schools in the county in order to assess the tobacco-related information in their schools' curriculum, as well as to assess the need for tobacco education. As a result of the mailing, JCHD staff scheduled tobacco prevention presentations and distributed informational packets for several area schools.

ABC's of Tobacco Youth Prevention:

JCHD offers a tobacco prevention program for 6th graders that presents information about how tobacco affects the Air, Body and Customer.

Programs presented.....	10
Students in attendance.....	937

Tar Wars 5th Grade Tobacco Prevention:

JCHD presents the American Academy of Family Physicians Tar Wars program to 5th grade students in Jefferson County.

Programs presented.....	6
Students in attendance.....	863

Tobacco Use and Influence:

This 9th and 10th grade prevention program is designed to remind students of the harms of tobacco use and address peer pressure and influence.

Programs presented.....	6
Students in attendance.....	584

Daycare Tobacco Prevention:

JCHD offered this anti-tobacco presentation to school aged children at licensed daycares throughout the county during the summer.

Programs presented.....	5
Students in attendance.....	128

WIC Education:

JCHD collaborated with the county WIC clinic to provide information about tobacco use, secondhand smoke and cessation techniques to prenatal women. JCHD provided telephone counseling, and clients attended cessation classes free of charge.

Tobacco Newsflash:

JCHD sent monthly newsletters to community and political leaders, health care providers, educators and county residents to educate and promote tobacco prevention and control measures. The newsletters feature articles and information regarding tobacco news and prevention efforts globally and in Jefferson County. Seven of those articles were written by local teens describing how tobacco has affected their lives. Over 480 people received the newsletter each month. The JCHD website houses all past issues of the Newsflash and the current edition of the Newsflash.

Clean Indoor Air Law Compliance:

Tobacco education staff conducted clean indoor air compliance checks at county restaurants, and distributed educational information to all restaurants. Staff notified those managers from restaurants not in compliance with the Missouri Clean Indoor Air law were and sent information regarding compliance with the law. A clean indoor air component was added to the Serv/Safe program and restaurant employees were taught how to comply with the law. Smoke-free dining guides and no smoking signs were also distributed throughout the county.

Compliance checks completed.....	57
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Freedom From Smoking:

In collaboration with Jefferson Memorial Hospital and St. Anthony's Medical Center, JCHD offered the American Lung Association's adult cessation program, Freedom From Smoking, throughout the county. This seven-week course provided education and support for persons who wish to stop smoking. Freedom From Smoking brochures are mailed to doctors and dentists throughout Jefferson County with information about the quit line and referral information. Fliers were posted throughout the county.

Smoking cessation classes offered..... 13
Patients completing course..... 23

Employee Assisted Smoking Elimination (EASE):

This seven-week behavior modification cessation program offered employees support and education to quit smoking at their worksite.

Programs offered..... 2
Employees participating..... 9

Smoke-Free Teens On Purpose (STOP):

JCHD offered this teen cessation program in collaboration with BJC Healthcare's Youth Outreach and Development. The program is designed to help middle and high school age students to stop the difficult habit of using tobacco.

Programs offered..... 5

Media/Social Marketing

Several local high school students worked with the Health Department to create Public Service Announcements (PSAs). These radio ads, which promoted Freedom From Smoking classes and local smoke-free public places, ran on WIL 92.3, The Point 105.7, KTJJ and KJFF. In addition to radio ads, students created three movie theater ads in order to increase community awareness about the impact of tobacco and inform the public about cessation resources available in the county. These movie ads were shown at the Arnold Wehrenberg Theater.

Tobacco Cessation Line

As a result of the cessation and secondhand smoke billboard, and the articles and ads in the papers for cessation classes, a cessation line was created for callers to request a call back to speak with someone about cessation.

Calls to the tobacco cessation line.66

Policy Development

JCHD’s Tobacco Program is also involved in Tobacco Policy/Ordinance development with school districts, daycare centers, employers, and municipalities in Jefferson County. In 2007, the tobacco program assisted twelve daycares in creating a tobacco-free campus policy. The Tobacco Program also assisted in creating and reviewing tobacco-free campus policies. Now all elementary, middle and high school campuses in the county are tobacco-free. When Jefferson Memorial Hospital in Festus decided to adopt a tobacco-free campus on July 1, 2007, the JCHD Tobacco Program joined their taskforce to help create information packets, newspaper ads, and develop policy.

• **Jefferson County Cancer Coalition:**

The Jefferson County Cancer Coalition continues to work to “mobilize Jefferson County to eradicate cancer through education, awareness and services”. This year the Coalition continued to work on a web site with information on local resources. One of the major projects in 2007 was working with the American Cancer Society to promote the “Get the Test” program with local physicians. The “Get the Test” program promotes all cancer screenings, especially focusing on colorectal cancer screening. In March and April the Coalition collaborated with the ACS and Jefferson Memorial Hospital providing a brunch and a luncheon for the staff of local physicians offices promoting the program. The Coalition sponsored four mammography screening events collaborating with the JCHD, Siteman Cancer Center and Missouri Baptist Medical Center. Screenings were provided for 119 clients. Coalition members provided information and education for 450 people attending local health fairs. The final project for 2007 was promotion of the Great American Smoke Out. Coalition members distributed 6,000 brochures to all 6th graders attending public schools and two parochial schools in Jefferson County promoting the decision not to smoke. In addition, 3,000 bookmarks were provided for 3rd graders. The Coalition’s grant funding through the Missouri Department of Health and Senior Services and was renewed to continue the work in 2008.

• **Information Booths:**

Brochures and information about topics such as nutrition, physical activity, methamphetamine, tobacco use, and smoking cessation were distributed at various locations throughout the county.

Information booths..... 60

• **Influenza & Wellness:**

Services to seniors are provided at both health department locations and at senior citizen centers throughout the county and include influenza vaccination, adult immunizations and wellness programs.

Individuals receiving flu vaccine..... 1331
Blood pressure screenings..... 1090

Individuals receiving pneumonia vaccine.....	106
Diabetic/cholesterol screenings.....	322
PSA screenings.....	59
Colorectal screenings.....	176
TB tests.....	409
Other services (hemoglobins, serology, injections, etc.).....	880
Wellness consults/referrals.....	1397

- **Arthritis Foundation Exercise Program:**

The Arthritis Foundation Exercise Program is a bi-weekly exercise program for clients with arthritis following Arthritis Foundation guidelines. This program promotes physical activity to relieve pain and increase activity levels and provides education about arthritis management to the participants.

Number of classes offered.....	104
Number of people attending classes.....	900

- **Bike Helmet Program:**

Bike helmets were distributed to low-income families this year for use when bicycling.

Bike helmets distributed.....	22
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- **Car Seat Program:**

Infant and toddler safety seats, along with information and training on proper use, are provided to families meeting WIC/Medicaid income guidelines.

Car seats distributed.....	88
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- **Small Bananas (Babies All Need Attention, Nutrition And Safety):**

The home visiting program was developed to help parents give their child the best possible start in life. We provide education and support to prospective parents through childbirth and until the child is two years old. Our goal is to empower families to strengthen the parent-child relationship by improving parenting skills, reducing family stress and meeting the needs of parents. This program was discontinued in September 2007.

Families enrolled.....	203
Family Support Worker home visits.....	217
Referrals.....	28

- **Child Fatality Review Panel:**

Several JCHD staff members participate on the Jefferson County Child Fatality Review Panel, which meets on a monthly basis at the health department. The panel investigates the death of every individual under the age of eighteen that occurs in Jefferson County. Deaths are evaluated for the involvement of any

criminal and/or negligent factors as well as identification of preventive actions to avoid future cases. Recommended follow-up activities are carried out by appropriate agencies. Members of the panel in addition to JCHD include the Prosecuting Attorney, the Medical Examiner's Office, DFS, Juvenile Services, law enforcement, ambulance services and a private physician.

- **Family Literacy Program (FLC):**

JCHD distributes new books to children who may be "at risk" for low literacy skills. Books are distributed through our immunization program as an incentive for parents to continue to receive their child's immunizations. The program promotes immunizations, literacy at an early age, and interaction between parents and children through reading activities.

- **Nutrition Education**

JCHD's registered and licensed dietitian provided several nutrition education and counseling sessions on topics such as diabetes, heart health and weight loss for the residents of Jefferson County.

- **Chronic Disease Primary Prevention Program:**

The Chronic Disease Primary Prevention Program works to reduce three primary risk factors for developing chronic diseases in Jefferson County: tobacco use, physical inactivity, and unhealthy eating. CDPP staff facilitated school-based tobacco prevention presentations and advocated for smoke-free policies throughout the county. CDPP staff worked with worksites and community facilities throughout the county to develop wellness programs and assisted schools with the development and/or review of their School Wellness Policies. Staff also disseminated information about existing opportunities for physical activity and healthy eating in Jefferson County and worked to increase access to these opportunities.

- **Dental Program:**

Jefferson County Health Department's Smiles to Go Mobile Dental Clinic is pleased to report we are in our second year of providing dental services to Medicaid eligible children and adults with developmental disabilities. The mobile clinic traveled to 34 schools in 2007, and has been to every school district in the county. As well as social service agencies such as Head Start, WIC, Ponybird, Loving Care, and other Jefferson County Disability Resource sites to provide much needed dental services.

On average the mobile dental clinic sees approximately 45 patients a week and gives over \$10,000 of donated dental services to each site visited. Half-hour dental education presentations are completed for every 2nd and 5th grade class of the schools we visit. And dental kits including toothbrush, toothpaste, floss, mirrors, and education materials are distributed to every student school wide at the schools we visit. 90% of all Jefferson County school nurses have completed the dental screening treatment.

Our goal is to ensure knowledge of proper oral health preventative techniques and access to dental services for low-income, uninsured and under insured children and developmentally disabled adults regardless of barriers such as lack of money, providers and transportation; inconvenient service hours; and lack of knowledge of the importance of dental care.

Number of patients seen.....	2,878
Number of dental presentations.....	88
Number of participants at dental presentations.....	4,568
Number of community referrals.....	854
Number of dental screenings.....	5,456
Number of dental screening trainings completed.....	68
Number of dental kits distributed.....	18,000
Amount of donated dental services.....	\$465,027.00
Amount of donated dental kits @5.00 each.....	\$ 90,000.00
Total amount of Donated Dental Services.....	\$555,027

- **Children with Special Healthcare Needs:**

JCHD contracts with the Missouri Department of Health and Senior Services to provide service coordination for children with special healthcare needs. By assisting clients identify and access necessary community and state services and supports that will enable them to function at their maximum level of independence.

- **Adult Head Injury Service Coordination:**

JCHD also has a contract with Missouri Department of Health and Senior Services to assist individuals and families affected by Traumatic Brain Injury (TBI) to identify and access necessary services and supports that will enable them to return to a productive lifestyle in their community.

BIO-TERRORISM AND PREPAREDNESS PROGRAM:

The Missouri Department of Health and Senior Services’ contract with JCHD to provide planning and preparedness for potential bio-terrorism / all hazard events in Highway Patrol Region “C” was renewed in 2007. The regional Bio-Terrorism Epidemiologist responsible for Jefferson County (who will continue to provide contract services by memorandum of understanding to Ste. Genevieve, Ste. Francois, Perry and Washington Counties), a Regional Bio-Terrorism Planner/Emergency Response Manager responsible to Jefferson County, and a Region C Bio-Terrorism Training Officer and Volunteer Coordinator are all headquartered at the Jefferson County Health Department with their offices located in the Arnold facility.. The BT / ER section is responsible for emergency response training of regional health departments, public and private sector response agencies, development and maintenance of JCHD response plans and coordinating volunteer recruitment and training programs throughout Region “C”. The Jefferson County Health Bio-Terrorism / Emergency Response section continues to be recognized by the Missouri Department of Health and Senior Services as a model for other agencies to follow and has continued to set standards and initiate programs that the Missouri DHSS recognize and adopt as standards through the state.

Several significant initiatives have marked our progress in 2007:

- On the Epidemiology side, working groups have continued throughout the involved counties bringing together representatives of the communities and health departments in order to advance preparedness and awareness efforts. Quarterly meetings have continued with the state and the counties communicable disease coordinators to collect and monitor data. There have been several significant epidemiological investigations initiated in response to the needs of the involved counties during the year concurrent with regular surveillance and monitoring programs that are established linking vital health information and agencies together. Increased interaction with area hospitals has been a major focus in our efforts of identification and management of illness trends.
- Training in emergency response has been provided to health department employees throughout the region, the private sector, emergency response agencies and elected officials. During 2007 JCHD achieved compliance with the federal mandate for National Incident Management System compliance with key personnel trained to the Advanced Level (ICS400) and all other personnel trained to the NIMS IS700 and ICS100 levels. Several members of the emergency response section have attended advanced Agro-terrorism training at the Center for Domestic Preparedness. Additionally, Pandemic Influenza Planning and Preparedness, another CDP delivered course, was attended by the JCHD Asst. Director, Nursing Supervisor, and all members of the emergency response section.
- Emergency response planning, City Readiness Initiative involvement, coordinated by the Center for Disease Control (CDC), DHSS and STARRS (St. Louis Area Regional Response System) continues. The emergency response section remains involved with STARRS as working members of a number of committees including the Public Health Committee, Emergency Response Committee, Communications Committee and the oversight committee known as the STARRS Advisory Council).
- The BT Emergency Response Training and Volunteer Coordinator has been developing standards and training requirements designed to provide consistency among the health response community with respect to knowledge and necessary response training credentials. Tier one of a three tier statewide program was completed and approved during 2007. The ER section provided significant input in the development process and serve on the statewide training development committee.
- The ER section is involved in many county wide initiatives. Currently 13 JCHD employees are actively involved with the Jefferson County Emergency Response team which reports to the Office of Emergency Management. We have been involved in Pandemic Flu response planning and awareness training as part of the nationwide CDC strategy. JCHD continues in a partnership with Jefferson County Emergency Management to support emergency response activities in the county. In 2008 we will continue these initiatives, identify additional areas of focus and continue to attend and provide applicable advanced training classes.

ENVIRONMENTAL HEALTH SERVICES:

• **FOOD HANDLING ESTABLISHMENTS**

Systematic inspections are provided of all food handling establishments that handle, prepare, serve, manufacture or store food. The inspections ensure compliance with sanitation standards and sanitary practices. These inspections are crucial to the prevention of food-borne disease outbreaks.

Food service, retail, schools and daycare inspections.....	1607
Food service, retail, schools and daycare reinspections.....	410
Food service field visits.....	465

• **POOLS**

Swimming pools are no longer inspected to ensure safety, chemical and bacteriological quality due to lack of funding. This puts all Jefferson County residents at very high risk for water borne disease

Pool inspections.....	12
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• **INSECT, RODENT AND GENERAL COMPLAINTS**

Environmental complaints are received, investigated and/or referred to other appropriate agencies.

Complaints worked.....	276
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• **ANIMAL BITES AND RABIES TESTING**

Reports of animal bites are recorded and heads of biting or questionable animals are submitted to the state laboratory for rabies testing.

Animal bites reported.....	346
Animal heads submitted.....	59
Animals confirmed as Rabid.....	1

• **COMMERCIAL LODGING**

Hotels and motels are inspected annually for safety and sanitation.

Lodging facilities.....	13
Lodging inspections.....	36
Lodging facility field visits.....	11

• **PUBLIC AND PRIVATE DRINKING WATER**

Public and private water supplies are tested for bacterial contamination. Chemical screening tests are performed on individual wells.

Public water tests performed.....	2961
Private water tests performed.....	619
Chemical screening tests performed.....	36
Pool Samples.....	5

- EDUCATIONAL CLASSES

Environmental Public Health Specialists provide education to food service personnel in safe, sanitary and healthful food handling procedures.

Number of attendees (Manager’s Class).....	199
Number of attendees (Basic Class).....	927
Number of CD-Rom Attendees (Basic Class).....	339

- CHILD CARE CENTERS/DAYCARES/GROUP HOMES/NURSING HOMES

Number of licensed and licensed exempt childcare centers.....	61
Number of licensed daycare homes.....	22
Number of licensed group homes (institutions).....	23
Number of licensed nursing homes.....	25

- LABORATORY SPECIAL TESTING

Soft serve ice cream and ice samples are tested for bacterial contamination.

Frozen dessert samples.....	271
Ice samples.....	776

- WEST NILE VIRUS

West Nile Virus (WNV) was first identified in the United State in the New York City area during 1999. Infected birds were identified in the St. Louis metropolitan area in the fall of 2001. By the end of 2002, evidence of the virus had spread essentially throughout the continental U.S. West Nile is carried by certain species of mosquitoes which transmit the virus while feeding primarily on birds, their preferred host. However, horses and humans are incidental hosts and may also become infected. Historically, the spread of WNV in a community can be traced from identification of infected mosquitoes, then birds, then horses and finally to human cases. Most people infected with WNV have no, or possibly mild symptoms. However, it can be serious and even fatal, especially in older individuals.

Our integrated mosquito control program was curtailed at the request of the board, to spraying within a half mile radius of positive mosquito pools and limited control in other high mosquito/human interface areas due to budget constraints. Surveillance funding was reduced by the state health department while surveillance demands by the state were increased. While the vector control program appears to have effectively controlled disease this season, reduced control will have a cumulative effect, increasing morbidity and mortality with vector borne illness. It is also apparent from surveillance in other states that an increase in Dengue or “Bone Break”

fever, another disease import from the Riff valley area of Africa will eventually impact the St. Louis area. This disease is a debilitating infection that can also be fatal. The nature of this disease and the lack of adequate prophylaxis will result in a higher financial burden to the citizens as well as increase mortality and morbidity in the general population.

JCHD was assisted in these activities by the Jefferson County Commission and other county Departments; municipalities with existing mosquito control programs; other metropolitan counties; and by the community. Accomplishments of the program are listed below:

Human West Nile Virus cases.....	0
Equine West Nile Virus cases.....	0
Equine West Nile Virus deaths.....	0
Positive West Nile Virus mosquito pools.....	10
Mosquito pools submitted.....	204
Positive West Nile Virus birds tested.....	2
Birds submitted for West Nile Virus testing.....	5
Birds reported.....	45
Mosquito complaints.....	56
Mosquito trap sites.....	94
Mosquito traps set.....	236
Larval sites surveyed.....	250
Larval sites treated.....	200

- **HEMATITE**
In October 2007 the Missouri Department of Natural Resources approved the Westinghouse feasibility study proposed under CERCLA .
- **HERCULANEUM**
JCHD continues to provide support and assistance to the Herculaneum Smelter Site Team. Doe Run was required to implement specific work practices related to the company’s handling and transportation of lead materials. Improvements to the slag pile have begun and are scheduled to be completed in July, 2008. These improvements include stabilization, erosion control, flood protection, storm water collection and treatment, and wetland mitigation. Repair work on the Joachim Bridge was completed and the bridge reopened. Thirty-five yard soils were replaced, bringing total yard soil replacements at the site to 487. Recontamination sampling was begun in 2007 and will continue on a periodic basis.
- **INDOOR AIR**
JCHD has discontinued its Indoor Air Program in response to budget cuts. There continues to be a growing number of concerns and complaints regarding indoor air quality, however, we no longer have the ability to respond. Jefferson County and the St. Louis Metro area continues to be a non-attainment air quality area under EPA

regulation. Air quality can be affected by smoke, pesticides and other chemicals used in manufacturing, cleaning and maintenance, including painting and carpet cleaning. Organisms including mold and bacteria can also affect it. Discontinuation of this program increases the exposure risk of Jefferson County citizens to increased morbidity and mortality both in the general public and in school age children.

Program activities prior to deactivation include:

Assessments.....	39
Complaints.....	21
Actions.....	12

After discontinuing this program the Hillsboro office of the Jefferson County Health Department was closed for a period of 5 business days to allow the environmental section to remediate mold and major water damage to the building as a result of failure to repair roof damage in a timely manner.

SEXUALLY ORIENTED BUSINESSES

Jefferson County has approved and passed an updated version of the Sexually Oriented Business Ordinance, incorporating Jefferson County Health Department’s recommendations. Two businesses, Maximus and Dr. Video, have complied and are presently permitted.

Number of businesses licensed.....	6
Background investigations.....	35
Field visits/inspections.....	11
Meetings.....	15

- **MISCELLANEOUS ENVIRONMENTAL SERVICES**

Foodborne illness investigations.....	39
Truck/Embargo/Fires.....	14
Environmental lead assessments requested.....	0
Environmental lead assessments based on elevated blood leads.....	2
Waco Landfill VOC, organic chemical & inorganic chemical samples.....	0
Landfill investigations.....	8

