



CANTON
CITY
HEALTH
DEPARTMENT



As you read this annual report I hope that you will gain a better understanding of the many services and programs that are offered by our department. Our mission is to protect the health and welfare of our community and to control communicable diseases. In this report we have merged our 2006 activities with the "Ten Essential Public Health Services" to assist you in comparing what we do with what is expected of us. The "Ten Essential Public Health Services" have been established by the United States Centers for Disease Control and Prevention (CDC) to give local and state public health agencies a baseline on which to assess their capabilities. Although providing services to our community is our primary



Robert Pattison, MPA
Health Commissioner

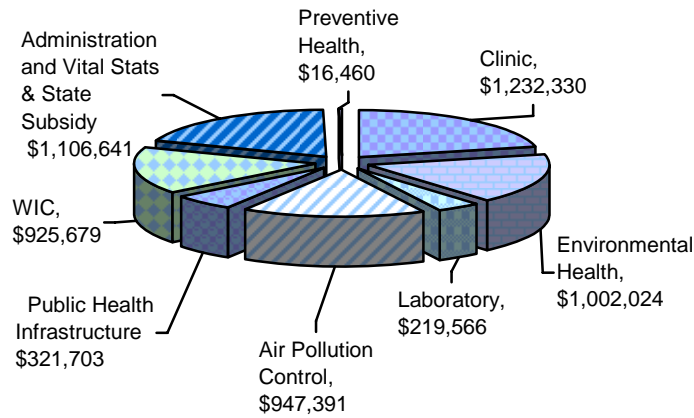
responsibility and goal, training of our staff was a significant part of our 2006 activities. A large part of our staff training focused on our ability to respond to an emergency and to do so in compliance with the National Incident Management System (NIMS). This system establishes the basic organizational structure and vocabulary to be used by Local, State, and Federal agencies when responding to an emergency. The events of September 11, 2001, and the subsequent anthrax threats reminded us that all governmental agencies need to be prepared for man-made as well as naturally occurring catastrophes. We continue to train and plan for such events.



This report also contains statistics that can be used to identify community conditions and concerns that may need to be addressed by community action. Lifestyle changes can also result in significant improvement in health status. Our health education programs continue to identify prevention methods that can be used to improve health status and prevent disease.

2006 ANNUAL REPORT

2006 Expenses \$5,771,794



Leading Causes of Death in Canton City *

Heart Disease	521
Cancer	309
Flu/Pneumonia	189
Stroke	131
Emphysema	17
Diabetes	7
All Other	754

*not all deaths were city residents

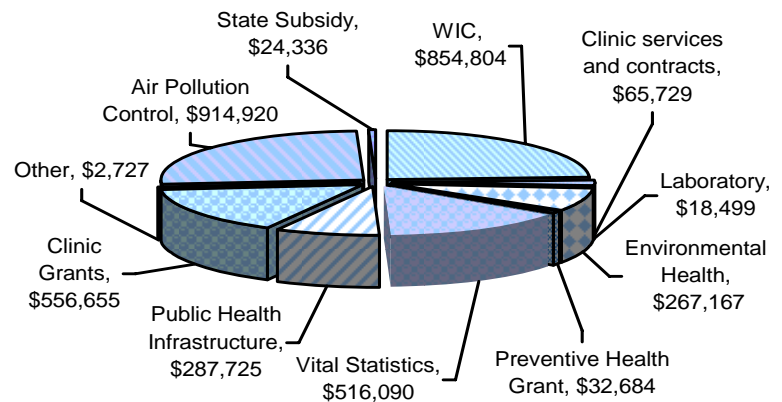
Births and Deaths ~ City of Canton Residents

Births registered	1,243
Single Parent Births	805
Teenage Births (11-19)	201
Deaths registered	657

Vital Statistics Activities

Certified copies of Birth certificates issued	18,442
Certified copies of Death certificates issued	9,572

2006 Income* \$3,541,336



* additional income provided by the City of Canton tax base: \$2,178,321

Effective January 2, 2006, the Department implemented the State of Ohio's reporting system for births called IPHIS or **I**ntegrated **P**erinatal **H**ealth **I**nformation **S**ystem. IPHIS integrates the data requirements for birth certification, hearing screening, immunization registry and congenital disorders diagnosed at birth into one web-based system.

The change is prompted by federal legislation which requires each state to adopt a new birth certificate which captures more information than the birth certificate previously used in Ohio.

Our clients will not notice a change, but the new system will simplify processing of birth certificates, while complying with federal legislation and also improving quality improvement efforts.

Selected Reportable Diseases in Canton City

Campylobacter	12
Chlamydia	646
Congenital Herpes Complex	1
Cryptosporidiosis	7
E-Coli : O157	1
Giardiasis	9
Gonorrhea	420
Haemophilus Influenza	2
Hepatitis B	2
Legionellosis	3
Listeriosis	2
Meningitis Aseptic/viral	15
Meningitis Bacterial	1
Meningococcal Disease	1
Salmonella	14
Syphilis	8
Tuberculosis	1
Other Mycobacterium	2
Varicella	49
West Nile Virus	1
HIV/AIDS	295

Nursing Activities

BCMh home visits	69
TB home visits	39
STD home visits	49
Disease intervention home contacts	69
Welcome Home visits	127
Clinic patient contacts:	
Well baby immunization	854
TB testing	1,078
Foreign travel	85
S.T.D.	1,621
HIV Counseling/testing.	1,021
Lead	89
Total Clinics conducted	495
Flu Shots	1,419
STD/HIV Education Program contacts	459
Communicable Disease Education Contacts	139
Dental Sealant screenings	1,240
Teeth Having Sealants Applied	3,539

Environmental Health Activities

Animal bite investigations	218
Food inspections	1,149
Frozen dessert samples	277
School inspections	68
Pool/spa inspections	80
Nuisance investigations	3,156
Board of Health orders	3,338
Court actions filed	50
Tattoo parlor inspections	3
Solid waste facility inspections	53
Infectious waste inspections	43
Infectious waste treatment inspections	8
Elevated blood lead levels	26
Lead inspections	67
Mosquito control hours	610

Laboratory Activities

Clinic samples	7,784
STD's	
Blood lead	
Water samples	1,920
Potable	
Non-potable	
Food samples	853
Frozen desserts	
Cheeses	
Food investigations	
Miscellaneous environmental	106
Air pollution	
Insects	

Air Pollution Control Activities

Facility Inspections	26	OEPA Referrals	2
Permits to Install issued	25	Enforcement cases closed	1
Title V Operating permits	3	Asbestos Activities	193
Non-Title V permits	1	Days exceeding ozone standard	1
Open burning permits	21	Industrial stack tests	7
High Priority facility complaints	2,025		
Non-priority facility complaints	6		
Violation notices	15		

1. Inform, Educate and Empower People about Health Issues

- ◆ Maintain Department's web site
- ◆ Educate community agency clients on health issues
- ◆ Publish monthly and annual reports
- ◆ Promote healthy lifestyles at public events
- ◆ Expand the Health Alert Notification contact lists
- ◆ Provide media with public health information
- ◆ Educate patients, clients, and residents through individual and group instruction

4. Diagnose and Investigate Health Problems and Health Hazards in the Community

- ◆ Operate a public health laboratory capable of screening and testing clinical and environmental samples
- ◆ Maintain protocols for disease source, investigation, and contact tracing
- ◆ Investigation of clean air violations and maintenance of daily air quality index
- ◆ Acquire traffic crash data and hospital traffic-related injury data
- ◆ Investigate environmental threats

2. Monitor Health Status to Identify Community Health Problems

- ◆ Maintain Vital Statistics for leading causes of death
- ◆ Assure epidemiological protocols for disease reporting
- ◆ Participate in fatality review committees
- ◆ Identify environmental health risks such as mosquito activity and lead contamination

3. Enforce Laws and Regulations that Protect Health and Ensure Safety

- ◆ Enforce and regulate state and local environmental laws for the protection of the public's health in the areas of: safe housing; food safety; rodent and insect control; clean air standards; swimming pool hygiene; rabies control; indoor tobacco use; safe housing; and other environmental health issues
- ◆ Enforce communicable disease prevention protocols
- ◆ Assurance of due process in all enforcement actions taken under the Board of Health authority

5. Mobilize Community Partnerships to Identify and Solve Health Problems

Building Local Coalitions that benefit the Stark County community:

Safe Communities; HIV/AIDS Prevention; Rabies Advisory; Tobacco Coalition; County Disaster Planning; Suicide Prevention; Council on Aging; Health and Nutrition Advisory; Am. Heart Association Minority Outreach; Weed and Seed; Homeless Collaboration; Jobs& Family Services Joint Advisory Council; Family Council; Mayor's Literacy Commission

Performance of the
Ten Essential Public Health Services
within the Canton
City Health
Department

6. Assure a Competent Public Health and Personal Health Workforce

- ◆ Maintain public workforce standards of professional licensure and credentials
- ◆ Provide opportunities for professional development, training, and leadership
- ◆ Provide Public Health learning experience for nursing and physician students
 - ◆ Require yearly staff evaluation

7. Develop Policies and Plans that Support Individual and Community Health Efforts

- ◆ Create, drill, and improve the Public Health Disaster Plan
- ◆ Provide adequate public resources and maintain required fiscal policies
 - ◆ Align all decisions with the adopted Canton City Public Health Code
- ◆ Develop effective Board of Health policies and programs for community health improvement

9. Research for New Insights and Innovative Solutions to Health Problems

- ◆ Link with NEOUCOM to research health issues in the community
- ◆ Survey seat belt use in Stark County
- ◆ Fulfill evaluation requirements in state and federal grant-funded activities
- ◆ Facilitate opportunities to attend state and regional conferences about various health issues and solutions

8. Evaluate Effectiveness, Accessibility, and Quality of Personal and Population-based Health Services

- ◆ Participation in CDC regional assessment of public health services
- ◆ Evaluate disaster planning with functional drills such as county-wide flu clinic
- ◆ National Quality Assurance and certification for laboratory
- ◆ Survey WIC clients for tobacco use to determine success of prevention programming

10. Link People to Needed Personal Health Services and Assure the Provision of Healthcare when Otherwise Unavailable

- ◆ Provision of a Spanish language interpreter for Hispanic residents
- ◆ Case management of BCMH patients
- ◆ Welcome Home visits to new-born at risk
- ◆ WIC referrals to community assistance agencies
- ◆ Lead investigation referrals to housing assistance
- ◆ HIV referrals for treatment

Disease Intervention

Many have thought syphilis to be a disease of the past. However, this life-threatening disease suddenly made a strong appearance in Canton City in 2004 with 27 reported cases of early syphilis (early syphilis is a diagnosis of primary, secondary, or early latent syphilis-that which is acquired within the previous 12 months.) Through the diligent effort of the Disease Intervention Specialist (DIS), and a collaboration with the Stark County Jail, the number of early case reports of syphilis declined to 18 in 2005 and 3 in 2006.

If caught early enough, Syphilis is treatable with antibiotic therapy and long-term complications can be avoided. Preliminary testing for suspected cases is performed in the department's laboratory and most often confirmation testing is ordered. However, diagnosis and treatment of this contagious disease are not the only duties of public health professionals. The role of the DIS is extensive and varied.

The DIS works to contact and communicate with infected patients, partners, and spouses that are diagnosed with syphilis and/or HIV/AIDS, preserving confidentiality and privacy of all involved. Part of this process includes counseling face-to-face in a private setting without revealing the name of the original patient to the partner. The DIS also assists in identifying the patient's needs and connects the patient to the appropriate care.



The Disease Intervention Specialist counsels a patient about community social service support.

The City of Canton experienced 12 newly diagnosed cases of HIV/AIDS in 2004; 3 cases in 2005; and, 6 cases in 2006. These patients are referred to case management care, local physicians, and assisted with social services provided by community agencies. AIDS remains a serious public health threat. From 1981-2005, the USA has reported 550, 394 AIDS-related deaths.

Countywide RDF Landfill

The Air Pollution Control Division (APC) of the Canton City Health Department logged over 2,000 odor complaints against Countywide Recycling & Disposal Facility which operates a landfill in Pike Township. The APC Division investigated, consulted with Ohio EPA Solid Waste, the Stark County Health Department and the Facility's owners. The Division began enforcement action for nuisance odors in May, 2006.

Investigation by the APC Division determined that the unique odors were likely caused by aluminum waste reacting with liquids in the landfill.

In early June, the APC Division conducted air

sampling of the odorous gases emanating from the landfill. The Ohio EPA analyzed the data and confirmed that despite the odor there were no adverse short or long term health effects to the surrounding community.

The Ohio EPA did find Countywide RDF was in violation of the air nuisance rule and issued Findings and Orders to allow additional gas flares' expansion and several solid waste engineering initiatives to control the odors.

The APC Division was very involved in off-site ambient (outdoor) air sampling, odor complaint response and tracking, and administration of the Findings and Orders.

Caring for Canton's Children

The children of Canton have always been a priority of the Canton City Health Department. Every Division works to protect the health, safety, and well-being of our smallest residents. The **WIC** Division, for example, provides nutrition counseling and nutritious supplemental foods for children and their mothers. 72% of the babies born to Canton City residents were enrolled in the WIC program. Education about meal planning, label reading, and breastfeeding are an important part of the WIC program. With obesity becoming a problem for our WIC participants, classes have focused on achieving healthy, active lives. Of the children participating in the Canton WIC program, 27% are overweight or at risk of becoming overweight.



2006 WIC Activities

Average monthly caseload.....	2,024
Newborn Canton infants enrolled.....	1,243
Average monthly food package.....	\$28.93
per participant	
Referrals for immunization.....	154
Referrals to Help Me Grow.....	382
Blood lead tests.....	19
Voters registered.....	453

Protecting Canton's Children

The Environmental Health Food Service Sanitarians frequently inspect child care facility kitchens and restrooms for cleanliness and safety. Should there ever be a food borne disease outbreak (such as shigellosis or salmonella), this Division works closely with the Epidemiologist, laboratory and nursing staff to determine the source and extent of the outbreak.

The Food Service supervisor, nurses, the health educator and a WIC dietician also protect Canton's children by providing required training for those residents seeking Type-B home child care licenses through the Stark County Jobs and Family Services Department. Classes include communicable disease, nutrition, injury prevention, and food safety.

The Health Educator works with the Stark County Safe Kids Coalition and Stark County Catholic Charities to provide WIC families a 90 minute class on child safety seat use. Each family is eligible for a free car safety seat upon completion of the class.

The classes instruct parents on the need for car seat use, installation methods, legal responsibilities, and care of the seat. The provided seats will accommodate children from five to forty pounds.

Traffic related injuries remain a major threat to our community's children. However, proper use of a car seat will reduce this threat.

Welcoming Canton's Children

The Welcome Home Program has our nurses visiting the homes of first-time and teen mothers to provide parenting and health information. Immunizations, SIDS, lead poisoning, and post-partum depression are some of the topics discussed. Community health and social service referrals are made when necessary. Not only do the nurses make each family aware of public health services, but provide a warm, caring contact for the inexperienced mother.



Bird Flu. Bio-terrorism. Tornadoes. Chemical explosions. The residents of Canton have seen these types of emergencies develop in locations around the world. The Canton City Health Department is preparing in the event such emergencies should ever occur closer to home. National planners have defined the local public health role in protecting the community. The first is providing information to the public. This information must be fast and accurate. As the situation unfolds, the public will demand to know the truth, and any guidance that helps in their response to the emergency. The Department's Office of Public Information is committed to this role. The Public Information Officer alerts the public about any health emergency through media, meetings, forums, letters, and telephone hotlines.

The Health Department Epidemiologist conducts surveillance of reportable diseases in Stark County from all hospitals and physicians. The "epi" notifies health officials of any disease trend that may signify a possible outbreak of a contagious disease. The Epidemiologist is essential in any resulting investigation.

The Health Alert Notification Coordinator maintains a large data base of health providers and partners essential to the management of a health emergency. These partners include law enforcement, Red Cross, pharmacists, laboratories, government leaders, education, media, Fire and EMS Services, and many others.

Emergency Planning

Laboratory Services

The City of Canton is fortunate to have a well-equipped and professionally staffed laboratory. In an emergency, preliminary identification performed locally of potential pathogens can eliminate the additional time needed to send samples to distant locations. These trained staff can also provide characteristics of pathogens to health workers who may conduct investigations or patient care.

Countywide Flu Clinic

Another goal of emergency planners is to establish a cooperative countywide plan for vaccinating or providing medications for large numbers of county residents within a short period of time. Once the plan was written, it was necessary to test it.

In October, the Canton City Health Department, along with the three other health departments in Stark County, participated in the first county-wide flu clinic. This large event was planned to test the public health system's ability to organize and conduct a mutual, large-scale vaccination clinic. 120 nurses, sanitarians, clerks, commissioners, health educators, physicians, volunteers, and other emergency agencies such as EMS, law enforcement, the Red Cross, and SARTA worked together to vaccinate 936 residents from all over Stark County in just a few hours.

The large assembly of emergency planners tested its ability to work together according to the National Incident Management System, as required by the Department of Homeland Security. The four health departments shared resources and tested the registration technology and inventory control systems. Paperwork for hundreds of patients, supplies for vaccination, and workstation schedules and staff assignments for multiple agencies comprised a huge task for the planners. The team objective of efficiently vaccinating large numbers of people, without sacrificing quality, was met. The follow-up evaluation of the event was conducted by state health department staff and the participants themselves. Any noted deficiencies became the focus of additional planning and correction.

Canton City Health Department
420 Market Avenue, North
Canton, Ohio 44702

Return Service Requested



2006 Board of Health Members
(front) S. Hickman, DVM; B. Jenkins, PE
(rear) F. Whittier, MD; M. Fiorentino, MD; E. Schott
(not pictured) Mayor Janet Weir Creighton

Visit us on the Web at
www.cantonhealth.org

For information on services,
send an e-mail to:
info@cantonhealth.org



2006 Board of Health and Personnel

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CANTON CITY HEALTH DEPARTMENT

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330-489-3231

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Health Commissioner

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Eng S. Chong, M.D., PT Medical Director

Michael Gregorek, M.D., PT Clinic Physician

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Dana Hale, R.N., Staff Nurse

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Linda Brooks, Public Health Clerk

Connie Standard, Public Health Clerk

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Debbie Mazzocca, Public Health Clerk

Diana McCallum, Public Health Clerk

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Breastfeeding Coordinator

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