

Public health services are constantly changing in order to address the needs of our community and to accomplish our mission of protecting the health and well-being of those living, working and/or visiting our community. I hope you enjoy reading this annual report and that you learn more about the many programs we offer to our community.

Some of the vital statistics continue to be troubling. Nearly sixty six percent (66%) of the babies born in Canton to Canton residents are to single mothers and over twenty one percent (21%) are born to teen-age mothers. Sexually transmitted diseases like gonorrhea, Chlamydia and HIV/AIDS continue to require large amounts of time and effort by our Nursing Division. Community efforts are needed to address these issues and education/prevention programs appear to be the best solution.

Most Health Department employees have chosen their profession because they like to help people. Our Air Pollution Control and Environmental Health Divisions work hard to assure the community of clean air to breathe and a clean environment in which to live. Safe places to eat, the elimination of animal to man diseases and blood lead poisonings continue to be goals set by the Environmental Health staff. The WIC program continues to offer nutrition education and supplemental foods to more than 2,000 eligible clients and our Laboratory continues to support the Air Pollution Control, Environmental Health, Nursing and WIC Divisions.

Plans are being made to address the possibility of providing large numbers of vaccinations or treatments to our residents as a result of a flu pandemic or biological terrorist act. New equipment has aided the Nursing and the Laboratory Divisions in this planning process.



2005 Board of Health Members (front) Stephen Hickman, DVM; Bernard Jenkins, PE (rear) Frederick Whittier, MD; Marc Fiorentino, MD; Ernest Schott (missing) Mayor Janet Weir Creighton



Robert Pattison, MPA Health Commissioner

Many employees have been trained in the use of the new SWIPER system and two Laboratory employees have been trained in the identification of unknown materials. Dedicated and committed staff are responsible for the success of all these programs.

The Board of Health is responsible for the guidance and financial efficiencies of the Department. The Board voluntarily serves at no cost to the community although State law does allow payment for their services.

We thank all our community partners who have assisted us this past year and we look forward to working with you in the future as we all work to make our community as safe and healthy as possible. If you have questions or would like to make suggestions concerning our programs and services, please contact the appropriate division as listed in this report.



Joni Shaffer, Supervisor

2005 Financial Report

	INCOME	EXPENSE
Admin & Vital Stats	431,332	1,062,225
Nursing	242,724	940,959
Environmental Health	271,131	926,200
WIC	915,394	970,288
Laboratory	27,263	225,417
Air Pollution Control	838,131	861,059
Health Education	45,855	10,723
Public Health Infrastructure	357,258	443,511
AIDS Prevention	204,876	176,992
State Subsidy	23,899	-0-
TOTAL	3,357,863	5,617,374

Additional income approximating \$2,216,088 was provided by the City of Canton from its 2005 tax base.

Leading Causes of Death in Canton City

Heart Disease Cancer Flu/pneumonia Stroke Emphysema	291 212 146
---	-------------------

Births and Deaths-Canton Residents

Births Registered	1,099
Deaths Registered	
Single Mother Births	
Teenage Births (age 11-19)	234

Certificates Issued

Birth Certificates	16, 673
Death Certificates	10,180

Office of Public Health Information Kathy Paris, Supervisor

The Office of Public Health Information maintains three roles: Health Education, Epidemiology, and Emergency Communications.

Health Education

A major focus of health education in the Canton City Health Department is the coordination of the Safe Communities Coalition. Grant-funded by the Ohio Department of Public Safety, this coalition has as its mission to reduce the number of traffic-related injuries and fatalities in Stark County.

The coalition members share resources and expertise to educate the public of the dangers of impaired driving and the safety provided by seat belts and child safety seats. Additionally, the coalition develops traffic crash data to share with law enforcement agencies and traffic engineers.

Spit tobacco (dip, chewing tobacco) prevention programming was also possible through a Tobacco Use Prevention and Control Foundation grant.

The Health Educator presents a variety of health related programs throughout

the community including lead poisoning prevention, personal hygiene, injury prevention, and child car seat safety.

The Health Educator also acts as the department's Public Information Officer. She prepares the annual report and issues media releases. PIO duties include emergency response planning in order to provide the public with clear, timely information during a health crisis.

Epidemiology

The epidemiologist compiles a monthly report of all reportable communicable diseases from all four public health departments and hospitals in Stark County. Additionally, other health indicators are reported such as air pollutants, STD's, and updates on Ohio and local disease outbreaks. This service allows health providers, as well as the public to examine how well the community is controlling these diseases.

Working with a number of emergency planning committees, the "EPI" is helping to develop a plan to maintain an efficient team approach to disease out break investigation with local, regional, and state response efforts. The EPI works closely with the nursing clinic and environmental health division, providing unified investigation and communication.

Health Alert Network (HAN)

With funding from the Public Health Infrastructure Grant, the HAN coordinator works to assure communications are maintained during a public health emergency. The HAN system serves all four health departments and involves many emergency partners such as fire, police, hospital, government, and health providers, and many other agencies.

The HAN system utilizes e-mail, FAX, telephone, the Stark County Emergency Notification System, VoIP, radio communications, and various pager systems. The coordinator also provides and/or facilitates the training for these systems.

Additionally, the Canton Health Department web site is maintained by the HAN coordinator.

No emergency response plan can manage without the HAN coordinator providing her vital assistance.



Two physicians, ten nurses, and two clerks comprise a public health clinic in the City of Canton that is dedicated to protecting the health of the Canton community through a variety of activities.

Grant Awards

Some of these clinic activities are funded through four grants from the Ohio Department of Health: the Immunization Action Plan Grant (IAP); the Dental Sealant Grant; the Sexually Transmitted Disease Grant; and the HIV Prevention Grant. These funded grants allow for prevention and treatment of diseases without requiring tax monies from the City of Canton.

Childhood Immunization

The goal of the IAP Grant is to improve the immunization rates for two-year-old children. The Nursing Division works with private practitioners and well-child clinics in Stark County, providing immunization information sessions and tools for assessment of progress toward this goal. The Clinic participates in a WIC pilot project to assure that children enrolled in WIC fullv immunized and. are conversely, to assure that qualifying children attending our immunization clinics are enrolled in WIC.

Dental Sealant Program

The Clinic contracts with a Dental Sealant Team consisting of a dentist, dental hygienist, and dental assistant. This team provides dental screenings and sealants to second and sixth grade students in the Canton City Schools. In 2005, 1,243 children were screened, and 2,922 sealants were applied.

Disease Intervention

Our Disease Intervention Specialist is partially funded through the HIV Prevention Grant and the STD Grant to do disease investigation for HIV and syphilis. The goal is to provide testing, treatment when indicated, and prevention education to cases and their contacts. Our cases of syphilis have dropped from 31 in 2004 to 21 in 2005.

The Canton City Health Department provides funds to five area agencies to assist in meeting the objectives of the HIV Prevention Grant. HIV tests are provided, especially for high-risk individuals in the community. HIV prevention education is provided for many individuals, including high school and college students and persons in alcohol and drug treatment populations. Outreach and information are provided to minority populations. A Prevention for Positive Program was initiated in 2005 to provide HIV positive individuals with the skills needed to prevent the spread of their infection. In 2005, a nurse counselor was hired as the AIDS Coordinator.

Nursing time is spent investigating communicable diseases, including but not limited to, gonorrhea, Chlamydia, giardia, pertussis and campylobacter.

Emergency Preparation

highlight 2005 А of was implementing the SWIPERS system the at flu clinics. SWIPERS is a computerized system used to track patient information and vaccine inventory. Its primary purpose is to efficiently capture and manage data during a mass vaccination or medicine during a disaster, flu clinic pandemic, or similar event. The nursing staff and employees from all divisions obtained hands-on

2005 Clinic Services

Dental sealants	.2,922
Syphilis interventions	21
Childhood immunizations	840
Tuberculosis skin tests	985
Yellow Fever vaccinations	70
STD tests	.1,595
HIV tests	278
Child lead poisoning tests	33
Newborn Home Visits	141
Flu Clinic vaccinations	.2,423

experience with SWIPERS at the flu clinics. This experience is just part of the Nursing Clinic's preparation for disasters or pandemic events. The clinic participates in both county and regional planning in order to provide the best possible response should the city encounter a public health emergency.

Diversity Response

The Canton Community is comprised of a culturally diverse population, including an increasing number of Spanish-speaking residents. In order to provide culturally competent services to this population, in 2005 the Nursing Division initiated a contract with a Spanish interpreter/translator. All patient handouts are now available in Spanish. The interpreter is available for Spanish-speaking patients who come into our clinics as well as those who may require a home visit.



The Division of Environmental Health protects the public's health through three sections: Consumer Services, Community Services, and Special Services.

Consumer Services

Consumer Service Sanitarians provide health protections through inspections and licensing, education, and building plan evaluations. This team of health professionals can be found in Canton restaurants and other food establishments, school buildings, and public swimming facilities.

These Sanitarians also assist in food borne disease investigations. They are also essential to the success of Canton's Pro Football Hall of Fame celebration as well as the Stark County Fair and other community events in which food safety is critical to the many meals that will be served.

Community Services

When the community suffers from a variety of nuisances that can create a health risk to the residents, Health Department Sanitarians respond. These field professionals inspect and enforce the Health Code in respect to garbage, animal waste, debris, poor water quality, pests and vermin infestations, and a number of other situations that present an environmental health risk. All nuisance complaints are inspected within 24-48 hours and are treated with a high level of importance.

Because rabies remains a threat to the city, Sanitarians charged with Community Service duties also investigate all animal bites reported within the city. Mosquito-borne diseases continue to be a health threat, as well. This section provided surveillance of possible West Nile Virus activity in the city and treated mosquito breeding sites with larvicide. Additionally, the mosquito spraying truck was a familiar sight during the summer evening hours in Canton.

As the medical community learns more about the importance of indoor air and respiratory health, the Indoor Air Quality program becomes an important service provided to area physicians to assist them in the diagnosis of health problems caused by poor indoor air quality.

Special Services

Canton residents may not realize that this section licenses and provides inspections at major waste facilities. Infectious waste generated by hospitals and other health-related facilities is carefully inspected by this section. Tattoo parlors, now that they can operate within the city, are also held to health standards. Waste transfer stations and composting facilities must also be inspected.

Lead poisoning continues to harm Canton children. This section is responsible for assessing the homes of children who have blood lead levels indicating exposure. The EPA deems Canton to be at high risk for lead poisoning due to its aging housing stock. This division remains committed to educating the community about prevention tactics, encouraging early blood testing of children, and providing testing of the child's environment.

2005 Environmental Health Division Inspection Report

food service1,	227
temporary event	132
schools	74
pool/spa	85
frozen dessert	310
nuisance4,	558
violation orders2,	000
animal bites	173
tattoo parlors	9
solid waste facilities	46
composting facilities	13
large infectious waste	.33
small infectious waste	34
lead risk assessments	.89
mosquito control1,280 ho	urs



In the Hurricane Katrina recovery effort, Director of Environmental Health and Coast Guard Lt. Mark Adams was called into active duty to the Gulf Coast. Here Lt. Adams checks the charge on fire extinguishers near tanks containing gasoline and diesel fuel at a damaged station in Gulfport, Mississippi.

Lt. Adams found his experience to be a priceless education concerning the need for emergency preparedness in public health and within all levels of government.

This training and lessons were brought back to be helpful in defining our role in a regional flooding situation and other mass emergencies.



LaVerne Gillis, Supervisor

Changing Demographics

The Women, Infants, and Children Program (WIC) in Canton is responding to the changing demographics of our city. Like many cities, Canton has an increasing Hispanic/Latino population. In order to provide quality nutrition education and supplemental foods to these residents, WIC now has the services of a part time interpreter.

2005 WIC Services

average monthly caseload

	0		2, 028	
	children.		733	
	infants		843	
contra	acted gro	cery store	s32	
immu	inization	referrals	154	
lead l	blood tes	ts	85	
farme	ers' mark	et voucher	s917	
voter	registrati	ons		
group	session	s		

Looking Back

April, 1955

The US Federal Government announced the creation of a safe and effective vaccine for the prevention of polio.

1955

The United States Congress passes the Air Pollution Control Act of 1955. This was the nation's first piece of federal legislation on this issue. NACCHO, 12/06

Fresh Fruits and Vegetables

Canton also is experiencing, as are cities across the country, a population that does not consume the recommended amount of fresh fruit and vegetables in its daily diet. To encourage WIC participants to include more of these nutritious foods, 917 families received \$18.00 in vouchers redeemable for fresh fruits and vegetables at approved farmer's market sites in the country, including the Canton Farmer's Market. Participants also received fruit and vegetable recipes, coloring books, and measuring spoons. WIC staff set up a booth at the Canton Farmer's Market as a community outreach project.

Food Vouchers

In addition to Farmer's Market vouchers, eligible participants receive vouchers for their prescribed supplemental food package that include eggs, cheese, milk, juice, cereal, peanut butter, and beans that can be redeemed at any one of 32 contracted grocery stores in Stark County. WIC provides infant milk-based formula and soy-based formulas. Additionally, WIC has special formulas available with a doctor's prescription.

Although WIC provides infant formula, our goal is to encourage more mothers to breast feed their infants because of the recognized nutritional and health benefits of breast milk. The WIC lactation consultant provided individual and group nutrition education as well as support and guidance for our pregnant and breast-feeding mothers.

Education and Referral

Health professionals, as well as the Ohio State Extension Service, provided interesting group education and counseling for WIC participants. The WIC clinic nurse performed lead testing, an important prevention tactic for this environmental risk. She also screened and evaluated the status of participants' immunization records to determine if they were up-to-date. WIC also made referrals to other health and community services such as mental health, dental and medical offices, BCMH, food banks, Head Start, etc. Studies show that WIC children are better immunized and are more likely to have a regular source of health care.

February, 1905

The US Supreme Court ruled that an individual's rights are not violated by a state's mandatory vaccination. A Massachusetts man had contested a smallpox vaccination. The Court ruled that "an individual must give up some personal freedom in exchange for the benefits of being in a civilized society." Jacobson vs. Commonwealth of Massachusetts.

July, 1905

The last major outbreak of Yellow Fever in the United States ended in New Orleans. 3,404 were stricken and 452 died.

December, 1905

The Rotary Club of Chicago built the city's first public restroom, and bought a horse for the Public Health Department's doctor.



The Air Pollution Control Division serves the Stark County community by providing local management and protection of the area's ambient (outside) air quality. This is accomplished through monitoring levels of ambient air pollutants in Stark County, implementing the State's industrial permit program, and enforcing state and federal clean air regulations.

Monitoring

A major way to monitor compliance is by performing inspections. Many inspections are unannounced. Air pollution sources include industrial smoke stacks, industrial equipment, roadways and other areas that generate dust. Complaints made by area residents also initiate monitoring and investigation.

In addition, the division performs similar work activities for state and federal regulations for the removal, handling, and disposal of asbestos when buildings are renovated or demolished; emissions of perchloroethylene from dry cleaners; emissions from gasoline stations; and vehicle anti-pollution tampering. Air quality monitoring devices are located throughout the county in order to evaluate the amount of ozone, carbon monoxide, sulfur dioxide, and particulates.

Permits

Each potential source of air pollution is required to obtain an approved Ohio air pollution permit, which necessitates compliance to government rules. New sources require a "Permit to Install", which ensure the quality of construction. All major industrial sources (those over 100 tons per year of actual emissions) obtain comprehensive Title V air permits. Currently there are 30 Title V facilities in the county.

Enforcement

Enforcement results from the discovery of violations of permit terms and/or air regulations. Discovery occurs as a result of inspections, stack tests, compliance reports, surveillance activities, complaint investigations or emission calculations. Additionally, residents receive prompt response to their air-related complaints or questions. These complaints may concern commercial plant emissions or neighborhood open burning. Numerous actions were taken as complaints and investigations were undertaken.

Public Health Concerns

US Health Spending Nears \$2 trillion...US health care spending is nearing \$2 trillion a year and now accounts for 16% of the gross national budget, nearly twice the amount of a decade earlier.

----American Public Health Association, March, 2006

Asthma Increases... In the US, asthma prevalence increased overall by 75% between 1980 and 1994, and 74% among children ages 5 to 14. More than 7% of US children live with the disease which caused 4,000 deaths in 2002.

----National Heart, Lung, and Blood Institute, March, 2006

Smoke-Free Laws...help reduce heart attacks as reported by the American Heart Association in November, 2005. Heart attacks dropped by 30% following Pueblo, Colorado's implementation of a comprehensive smoke-free work place law in 2003. The study compared hospital admissions 18 months prior and 18 months following the law. ---American Public Health Association, January, 2006

Ohio Deaths in 2005...

Murder......571 Traffic......1, 326 Alcohol-related traffic......474 ---- FBI and Ohio Dept. of Public Safety

2005 APC Operations Summary

Facility Inspections41
High priority facility
Inspections22
Permits to install26
Permits processed25
Industrial stack tests22
Complaints259
Violation notices128
OEPA referrals2
Cases closed3
Asbestos activities147

Republic Engineered Products Expansion

The Division's principal accomplishment of the year was the fast process to help this company obtain the permit needed to expand, allowing the plant to more than double its steel producing capacity.

New Infectious Diseases....Since 1980, at least 35 new infectious diseases, including HIV and Ebola Fever, have emerged in humans, averaging one disease every 8 months. The transmission of wildlife-borne pathogens also affects domestic animals and native species that have no resistance to exotic diseases.

Influenza ..."Influenza causes more hospitalization and deaths among American children than any other vaccine-preventable disease." ---Emerging Infectious Diseases, January, 2006

Births to women who smoke ...in Stark County are reported to be 21% of all births.



The Canton City Health Department is the only department in Stark County that has a certified laboratory, and is one of only a handful in the state of Ohio. Having our own laboratory in Canton provides the advantage of obtaining results much more quickly in response to environmental and clinical testing.

The Canton City Health Department laboratory continued to protect the public health with laboratory testing of samples from the Nursing Division, Environmental Division, and from the public.

Tests were conducted to determine STD infection, pregnancy, blood lead levels, and atmospheric pollen counts, bacteria in cheese and frozen desserts, and mosquito speciation. The laboratory also assists the clinic and the Environmental Division with food investigations.

In 2005, the OraQuick Advance rapid HIV test was made available to the lab. Although similar to previous HIV tests, this testing version allows detection of both strains of HIV and accommodates a greater variety of specimen types. Within 20 minutes, results are known.

Laboratory staff participated in several training exercises in 2005. Two particularly notable training events involved hands-on activities. The Agents of Bioterrorism course involved working with bio cultures that familiarized our staff with techniques of rapid identification of suspected agents of bioterrorism. And the IlluminateIR course in the use of IR spectrometry for chemical substance identification was lead by one of the developers of the instrument.

2005 Board of Health and Personnel

CANTON CITY BOARD OF HEALTH

Mayor Janet Weir Creighton, President Bernard Jenkins, P.E., President Pro Tempore Stephen Hickman, D.V.M., Vice President James F. King, M.D. Ernest O. Schott Marc Fiorentino, M.D. Frederick C. Whittier, M.D.

CANTON CITY HEALTH DEPARTMENT Administration

330-489-3231 Robert E. Pattison, R.S., M.P.A. Health Commissioner James Adams, M.P.H., Director of Administration Eng S. Chong, M.D., PT Medical Director Michael Gregorek, M.D., PT Clinic Physician

NURSING DIVISION 330-489-3322

Rose Ann Warth, R.N., Director of Nursing Janet Copeland, R.N., PT Staff Nurse L. Joy Dougan, R.N., PCC; AIDS Coordinator Lynn Fernandez, R.N., Staff Nurse Dana Hale, R.N., Staff Nurse Molly Malloy, R.N., Staff Nurse Marsha Miller, R.N., PT Staff Nurse Desiree Steiner, R.N. Staff Nurse Diane Thompson, R.N., Staff Nurse Maria Anaya, Interpreter/Translator Linda Brooks, Public Health Clerk Connie Standard, Public Health Clerk

ENVIRONMENTAL HEALTH DIVISION 330-489-3327

Mark Adams, R.S., M.P.H., Director Will Holden, R.S., B.A., Staff Sanitarian III Kim Lane, B.S., S.I.T. Rick Miller, B.S., R.S., CAHES Staff Sanitarian III Maria Muhleman, B.S., S.I.T. Karen Myers, R.S., B.S., Staff Sanitarian III Ron Crabtree, R.S., B.S., Staff Sanitarian II Gus E. Dria, R.S., B.S., Staff Sanitarian II Brian Gero, R.S., B.S., Staff Sanitarian II Jack Wade, R.S., B.A., Staff Sanitarian II Connie Ash, PT Public Health Clerk Mary Merry, Public Health Clerk

LABORATORY DIVISION

330-489-3231 Jim Ames, B.S., Bacteriologist Carol Burger, C.M.A., Lab Technician Heather MacDonald, M.L.T., Lab Technician

AIR POLLUTION CONTROL DIVISION 330-489-3385

Dan Aleman, P.E., M.B.A., APC Administrator Tom Schwartz, PhD, APC Chemist Gregory Clark, B.S, M.B.A., Engineer Angela Glosser, B.S., Engineer Bud Keim, O.R., M.S., Engineer Edward Pabin, B.S. Engineer Pat Petrella, P.E., M.S., Engineer Patrick Shriver, B.S., Engineer Robert Zahirsky, B.S., M.B.A., Engineer James Miday, Electronic Engineer Technician Sherry Hustus, B.S., Public Health Clerk

Laboratory Report

Exams performed10,732
Clinical7,512
Water2,147
Food751
Environmental322

The Ohio EPA conducted an on-site evaluation of the lab ad staff in 2005. Records and procedures were checked, and staff underwent both written examinations and demonstrations of analytical technique. No deficiencies were noted, and the laboratory's certification for the Microbiological Examination for Potable Water was renewed

OFFICE OF PUBLIC HEALTH INFORMATION 330-489-3327

Kathy Paris, B.A., Health Educator/Public Information Officer Christina Henning, R.S., B.S., Epidemiologist Kelli Trenger, M.B.A., HAN Coordinator

VITAL STATISTICS DIVISION 330-489-3231

Joni Shaffer, Administrative Assistant & Controller Cindy Wilson, Deputy Registrar Debbie Mazzocca, Public Health Clerk Diana McCallum, Public Health Clerk Patty McConnell, Public Health Clerk

W.I.C. DIVISION

330-489-3326 LaVerne Gillis, R.D., M.S., Community Dietitian & WIC Supervisor Janet Frank, R.D., B.A., W.I.C. Dietitian Laura Jewett, R.D., B.S., W.I.C. Dietitian Sue Parr, L.P.N., W.I.C. Clinic Assistant Carol Frient, IBCLC, PT W.I.C. Clinic Assistant, Breastfeeding Coordinator Cheryl Bradley, Public Health Clerk Kathy Murphy, Public Health Clerk Karen Moulin, PT Public Health Clerk

Canton City Health Supervisors have a combined total of 185 years of public health service. Canton City Health Department 420 Market Avenue, North Canton, OH 44702

RETURN SERVICE REQUESTED

How to contact the Canton City Health Department

- Address: 420 Market Avenue, North Canton, OH 44702
- Hours: 8:00 AM to 4:30 PM, Monday-Friday

Telephone: 330-489-3231 (after 5:00 PM, calls are taken by Canton Emergency Dispatch)

FAX: 330-489-3335

E-Mail: info@cantonhealth.org

Web site: www.cantonhealth.org

