



Canton City Health Department 2014 Annual Report

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The Canton City Health Department is proud to present our annual report for 2014. This report represents a brief summary of the activities of an amazing group of public health professionals. There are various people at the Health Department working to improve our neighborhoods, protect our food, monitor the air we breathe, follow up on a contagious disease, track vital records, work with new moms to provide better nutrition for their babies and provide immunizations.



Health Commissioner

James M. Adams, RS, MPH

It is my privilege to present to you the 2014 Annual Report for the Canton City Health Department/District. This report provides a snapshot of the activities and programs that we provide the community to improve the health of all. This represents the work of over 60 public health professionals that are dedicated to making a real difference in our community each and every day. I thank them for their hard work and dedication to the improvement of health for all.

Starting in 2015 we will be embarking on a journey that will transform our department and the way we work with you to provide public health services. Our department will be applying for voluntary public health accreditation with the Public Health Accreditation Board (PHAB). The journey will take us on a road that will improve our understanding of the community and its needs, prioritize the work needed to accomplish our goals, provide greater transparency and accountability to you and provide even greater strides in increasing the health of our community. At the end of this two year project, you will have a Health Department that is better equipped to deal with new and emerging health issues, better accountability and transparencies in our work, and more efficient in all that we do.

Public health is much more than words on a page or numbers in a chart. It is the story of the goals and aspirations of an entire community. As you read this report, keep in mind that we all have a role to play in improving the health of our community. I am proud to work with you to accomplish your goal of good health.

Finance

Leigh Page; Fiscal Officer

Revenues	2014	2013
Local Sources:		
Permits & Fees	\$745,902	\$721,557
Nursing Clinic Fees	180,618	143,345
Other	7,694	5,520
Advances/Transfer In	0	0
State Sources:		
State Subsidy	20,923	20,738
Grants	2,897,680	2,743,873
Federal Sources:		
Contracts	235,899	233,826
Total Revenues	\$4,088,716	\$3,868,859
Expenditures	2014	2013
Salaries	\$2,908,510	\$2,886,214
Benefits	1,178,554	1,158,605
Purchased Services	296,035	162,546
Program Contracts	930,544	957,685
Supplies	326,223	279,112
Equipment	99,379	20,898
State Remittances	274,771	244,653
Other	17,373	14,065
Advances/Transfers Out	0	0
Prior year commitments pd	212,214	255,612
Total Expenditures	\$6,243,603	\$5,979,390

Of the total expenses for 2014, the City of Canton provided approximately \$2,579,707 from its tax base.

As the Canton City Health Department's Fiscal Officer, it is my responsibility to monitor revenues and expenditures. 71% of the revenues we received during 2014 were State and/or Federal dollars. Part of my job is to ensure we follow State and Federal laws closely in accordance with the funding we receive to ensure that the funds are spent in accordance with the applicable laws and guidelines. Based on this percentage, it is clear that State and Federal funding is pertinent to our operations. Without it, we would not be able to offer the outstanding services we currently offer.

Per the table shown here, overall revenues increased approximately \$220k from 2013. Of this increase, approximately \$53k represents the overall increase in state/federal funding we received during 2014 as compared to 2013. Please note that we do have receivables at the end of the year for our grants, so some variances in the revenues are attributable to the timing of when the revenue is received when compared to prior years. The remaining increase is attributable to an increase in fees collected for services provided to the community.

Expenditures increased approximately \$265k from 2013. This is primarily due to professional services contracts for a Department combination study, our Infant Mortality program, our Medical Directors contract and the purchase of an Electronic Medical Records System. All of these examples were new ventures within our department during 2014 that have been very beneficial to us in our operations.

As we face tougher budgeting challenges year to year, the Health Department is ever committed to serving the public and providing the services our Community needs and relies on.

If you have any questions regarding the Fiscal Activities of the Canton Health Department please feel free to contact Leigh Page, 330-438-4675, lpage@cantonhealth.org.

Air Pollution Control

Terri Dzienis; Administrator

2014 Air Pollution Control Activities

Complaints Investigated	276
Asbestos Inspections	81
Permits Issued Final	69
Facility Inspections	121
Performance Tests Observed	36
Anti-tampering Inspections	4
Open Burning Permissions	10
Enforcement Actions	143

The Air Pollution Control Division (APCD) operates an ambient air monitoring network for all of Stark County as contracted by the Ohio Environmental Protection Agency (EPA). The purpose of ambient air monitoring is to measure the air quality in Stark County for comparison to health-based National Ambient Air Quality Standards (NAAQS) established by United States EPA for selected air pollutants. The United States EPA regularly reviews and revises the NAAQS based on new public health research and data, which typically results in lowered standards.

APCD's monitoring network measures the air pollutants of carbon monoxide (CO), fine particulate (PM_{2.5}), Lead (Pb), Ozone and particulate matter chemical speciation. Since 2011, the measured Lead value was less than 50% of the Lead NAAQS, so the United States EPA approved the discontinuation of lead monitoring in Stark County on October 31, 2014. Therefore, in November 2014, the last Lead sample was collected.

As of March 31, 2015, Stark County is in attainment (meeting standards) with all NAAQS! This is a significant accomplishment since the area was previously non-attainment (not meeting the standards) for some pollutants that are monitored. This change in status reflects the improvement in air quality in the area. Non-attainment status triggers additional exhaustive requirements for new industrial sources, so the area being in attainment clears the way for new industries to build in Stark County. Below is a summary of the attainment status recent history:

- On October 22, 2013, the United States EPA approved Stark County as attainment with the 1997 and 2006 PM_{2.5} NAAQS (previously non-attainment) based on 2009-2011 data. On March 31, 2015, the United States EPA approved Stark County attainment with the new lowered 2012 PM_{2.5} NAAQS based on 2012-2014 data.
- Since 1971, Stark County has been in attainment with the CO NAAQS.
- Since 2007, Stark County has been in attainment with the 1997 Ozone NAAQS (previously non-attainment). In 2012, U.S. EPA approved Stark County as attainment with the new lowered 2008 Ozone NAAQS.

Vital Statistics

2014 Leading Causes of Death in Canton

Heart Disease	482	Emphysema	10
Cancer (All Types)	230	Diabetes	20
Flu/Pneumonia	136	All Other Causes	667
Stroke	102		

Vital Statistics now has a publicly available and searchable index of birth and death records for vital events in the State of Ohio. Birth record searches are available back to 1908 and death record searches are available back to 1954. This electronic index kiosk project has modernized index access by allowing the customer to complete their own searches eliminating extra work associated with outdated indexes by updating in real

Certificates Issued in 2014

Birth	9,553
Deaths	6,678

time, becoming compliant with the law by maintaining accurate information and removing the risk of giving out sealed information from the index. Customers searching for records will be able to locate those records faster than with previous

methods.

Certified copies of a birth or death records can be purchased for a fee of \$25.00. Of this total fee, only \$11.64 is retained by our local health department while the remaining \$13.36 is distributed back to the State. We also conveniently offer online ordering and phone ordering, which is a luxury other area health departments do not offer. Orders only take 3 to 5 business days to be delivered once the order has been placed.

2014 Vital Statistics

	Canton Residents	*Total
Deaths	626	1,677
Births	1,238	4,090
- Unmarried Parents (At the time of birth)	870	1,984
- Teen Births (13 - 19)	145	339

***Total:** This represents all births and deaths occurring within the City of Canton.

Environmental Health

Mark H. Adams, RS, MPH; Director of Environmental Health

The Division of Environmental Health's main function is to improve the quality of life and ensure a safe living environment to those that live, visit, or work within Canton.

2014 saw a major shift in the collaborative the department participated in with managing the municipal solid waste department. After opening up customer service hours, purchasing new vehicles and containers, creating two new businesses within the department, expanding the recycling center and recycling services, and many other environmentally driven initiatives, the health department turned over the management of the department to a full time supervisor. The successful partnership taught us many things and boosted morale in both departments and tied the mission of public health with the importance of a well-operated sanitation department.

The Environmental Health Division is divided into three main sections: Community Services, Consumer Services and Special Services. The Community Services section logged 8,964 activities. This division was also responsible for 155 site cleanups and placing over 31,800 dollars on the tax bills of delinquent property owners.

Consumer Services section is responsible for the inspection of food establishments, vending machines, temporary event food service inspections, and public swimming pools. In 2014, employees in this division logged 2,277 activities at 566 temporary or full-time food service facilities.

The Special Services section works with the more complex aspects of environmental health. This section licenses and inspects waste transfer stations, composting facilities, small and large infectious waste generators and tattoo parlors. This section is also responsible for the enforcement of the indoor air policies such as the workplace smoke-free act. Our personnel are among the few in the region that can perform lead testing as well as indoor air quality sampling.

2014 EH Activities

Animal Bites	344
Food Protection Activities	2,278
Nuisance Complaint Investigations	2,541
Pool and Spa Inspections	43
School Inspections	68
Solid/Infectious Waste Activities	65
Tattoo/Body Piercing Inspections	16

Laboratory

Christina Henning, Laboratory Director

The Canton City Health Department Laboratory (CCHDL) experienced abundant change in 2014. Jim Ames, the Interim Director announced his retirement after nearly 35 years of service and was delighted to have a new Director hired in time for him to share his limitless knowledge and love for laboratory services. After identifying a service gap in the community for alternate methods of bacteriological water testing, the CCHDL completed the process to and received certification in the use of Colisure from the Ohio Environmental Protection Agency (OEPA). An on-site survey by the Ohio Department of Health personnel to determine compliance with Clinical Laboratory Improvement Act regulations identified several gaps in the structure of our clinical laboratory procedure manuals. Through a cooperative revision process CCHDL manuals were modernized and a Certificate of Compliance with Clinical Laboratory Improvement Act regulations from Ohio Medicare was granted.

2014 Laboratory Exams

Food Service	882
Pollen counts	134
Pregnancies	68
Sexual Transmitted Infections (STI) related	7,604
Miscellaneous	22
Water	1,926

As we on-boarded new personnel, incorporated our new water testing and modernized our procedures, we continued our standard testing operations completing: 7,679 clinical tests, 1,926 water examinations and assessment of 882 food samples. In addition, we conducted 156 other miscellaneous exams (pollen counts, environmental complaints, nuisance investigations) to round out an active year.

While most tests and investigations completed are completed to protect our community from the spread of disease, each test may impact an individual in a meaningful way. Recently one water test was conducted after an anxious and concerned spouse called our staff and said his doctor recommended that they have their well water tested after his wife came down with a lower gastrointestinal illness. The water was determined to be free of indicator bacteria; helping to ease both his and his wife's concerns about the water they and their family drink and use each and every day.

While 2014 brought much change in personnel, process and procedure we are in a much better position to service the individual and our community and are looking forward to continue to build on the great foundation that we have in place.

Nursing

Anju G. Mader, MD; Medical Director
Diane Thompson, RN, MSN; Director of Nursing

There were two major intense disease investigation and responses for public health in 2014. On March 24, 2014, the index case of the largest measles outbreak was identified in Ohio. A total of 382 cases that spanned 9 counties were eventually diagnosed. This resulted in the mass vaccination of a population of individuals that were vastly unvaccinated.

On September 30, 2014, the Centers for Disease Control and Prevention (CDC) confirmed the first case of Ebola to be diagnosed in the United States in a person who traveled to Dallas, Texas from Liberia. Ebola is a rare and potentially deadly virus caused by one of four Ebola strains known to cause disease in humans, with a high case fatality rate. On October 16th, 2014 we became aware of a diagnosed asymptomatic Ebola case that had traveled to and stayed in Akron, Ohio. This began weeks of intense disease investigation and response.

2014 Nursing Outreach

Communicable Disease	1
Disease Intervention Specialist	70
Other Outreach Services	173

2014 Clinic Services

STI Clinic	1,611
International Travel	289
Tuberculosis Testing	238
Well-Baby Immunizations	976
HIV Testing	1,149

The work of public health nurses across Ohio has historically only been recognized in times of crisis or disease outbreaks, yet we work each and every day providing home visits, clinical services, education, information and referral and are an essential link between families' social, economic and health needs and the services they require to become and stay healthy. Public Health Nurses remain the cornerstone of a strong Public Health Department and are essential team members of a viable Public Health System. The success that Public Health Nurses in Ohio have achieved is grounded not only in their formal education, knowledge of their community and their technical skills but also in their attentiveness, human engagement and connection to those they serve.

Women, Infant & Children's (WIC)

Laura Roach, RD, LD; WIC Director

2014 Monthly Average Program Participants

Canton City WIC	2,836
Total Stark County WIC	7,012

2014 marked the Nation's 40th Anniversary of the Women, Infants, and Children (WIC) Program. As anniversaries often do, this provided an opportunity to reflect on the past and plan ahead for the future. Here is a look back at how we arrived at the current mission of the WIC Program which is: "To safeguard the health of low-income women, infants, and children up to age five who are at nutrition risk by providing nutritious foods to supplement diets, information on healthy eating, and referrals to health care."

In the 1970s, there were growing public concerns about malnutrition and poverty. WIC was piloted in 1972 as a supplemental food program for pregnant mothers, infants and children. This population was targeted based on the idea that intervention during critical times of growth and development can help prevent medical problems in the future. The program was made permanent in 1974.

In the years that followed, key program requirements were added that are still seen today such as: providing nutrition education at all WIC visits, offering supplemental foods that contain specific nutrients found lacking in the target population and coordinating referrals to health or social services. In the 1990s, studies showed that pregnant women that participated in the WIC Program had lower Medicaid costs than those that did not participate. Program participation was also linked with higher birth weights and lower infant mortality.

Fast-forward to 2014 and you find that WIC serves 1 in 2 babies born in the United States. By reaching this large number of infants and children, WIC has an important role in Public Health. The dedicated staff of the Canton City WIC office meets this challenge head on and strives daily to improve the health and well-being of our community. Keep up the great work and I can't wait to see the positive program outcomes of the next 40 years!

Office of Public Health Information

2014 Case Count of Select Reportable Diseases

Campylobacteriosis	18
Chlamydia infection	714
Cryptosporidiosis	6
Giardiasis	3
Gonococcal infection	340
Haemophilus influenzae (invasive disease)	3
Hemolytic uremic syndrome (HUS)	1
Hepatitis A	2
Hepatitis B - acute	1
Hepatitis B - chronic	6
Hepatitis C - acute	2
Hepatitis C - chronic	103
Influenza-associated hospitalization	119
Lyme Disease	2
Meningitis - aseptic/viral	7
Meningitis - bacterial (Not N. meningitidis)	1
Mycobacterial disease - Neisseria meningitidis	1
Mycobacterial disease - other than tuberculosis	6
Pertussis	14
Salmonellosis	4
Shigellosis	37
Streptococcal - Group A -invasive	1
Streptococcal toxic shock syndrome (STSS)	1
Streptococcus pneumoniae - invasive	8
Varicella	5

The Office of Public Health Information (OPHI) works with other departments, agencies and the public to increase emergency preparedness and awareness of public health activities. In everyday activities as well as emergency situations, strong communication is the key to an effective response.

Communication avenues used to keep our community and partners up to date on important issues are our website (www.cantonhealth.org), Health Alert Network (HAN) messages and social media. Social media provides the opportunity to provide real time information and has proven effective as an outreach tool. Facebook is used on a daily basis and continues to be an excellent means of providing Facebook friends with educational information, programs offered by the health department and community activities. We have over 880 likes and our audience continues to grow. In 2014, we introduced Twitter into our social media outreach. While still experimental, with time and greater use, Twitter will become another effective communication tool.

A branch of OPHI includes the public health discipline epidemiology. Epidemiologists study public health problems, such as unintentional injuries, communicable disease, environmental exposures, cardiovascular disease, obesity, tobacco use and other health-related issues that affect our community. Epidemiologists may prepare reports and presentations to assist with programmatic planning efforts and to display data in an understandable format. The Canton City

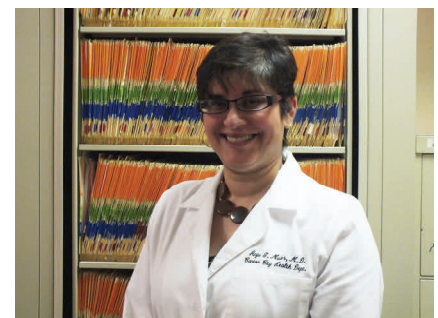
Health Department is committed to providing evidence-based programming to its residents. A thorough understanding of our community's needs is vital to implementing and maintaining programs that work toward building a healthier community.

Please contact Patty McConnell for questions concerning emergency preparedness or Amanda Archer, MPH for questions concerning Epidemiology at (330) 489-3327.

Medical Director Anju G. Mader, MD

International travel can be a lot of fun! It's a great way to learn more about various cultures and their people. But, there can be health risks when traveling and living in some regions of our world. Within the 18 counties in Northeast Ohio, only four Travel Clinics are in existence.

Our Travel Clinic provides customized consultative care, from our Public Health Nurses and Medical Director, for each traveler based on his/her travel itinerary, health and medical history, physical exam and the traveler's concerns and needs. The goal of the pre-travel consult is to prepare the traveller through counselling, education, vaccinations and medications to help reduce and manage their risk of illness and injury during travel.



The Canton City Health Department Travel Clinic evaluated 296 patients in 2014. For more information or to schedule an appointment, a patient may call 330-489-3322.