

CITY OF APPLETON  
HEALTH DEPARTMENT



2013 ANNUAL REPORT



## ***MESSAGE FROM THE DIRECTOR***

The 2013 Annual Report of the Appleton Health Department provides insight into the many ways our Department staff touch the lives of others in our community. Within this report you will find highlights of how our everyday efforts, along with our collaborating partners make Appleton a healthier place to live.

We are proud of the work we have accomplished this year including the development of a new five year strategic plan. One of our core responsibilities is to assume a leadership role in forming a picture of what the major threats are to the health of our community, now and what they might be in the future. These threats might come from a communicable disease like influenza, environmental factors like contamination of food supply and/or trends in the populations health, such as increased rates of diabetes and joint problems due to unhealthy weight.

Preventing illness and building a healthier community enhances the quality of life for all. Providing high quality, essential public health services requires community partnerships working together to create a healthier Appleton. Public health remains one of the most cost-effective investments we can make in our community.

Respectfully yours,

Kurt D. Eggebrecht  
Health Officer  
City of Appleton



**Public Health**  
Prevent. Promote. Protect.

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Note: This document not only represents the activities of the Appleton Health Department for 2013, but also provides trend data comparisons for selected activities. The data for 2013 is compared to rates of disease, numbers of citizens served, and other selected service provided in previous years. Additionally, this report satisfies the requirements set forth in Chapter 251.06 (7) of the Wisconsin Statutes.

# ***HEALTH DEPARTMENT***

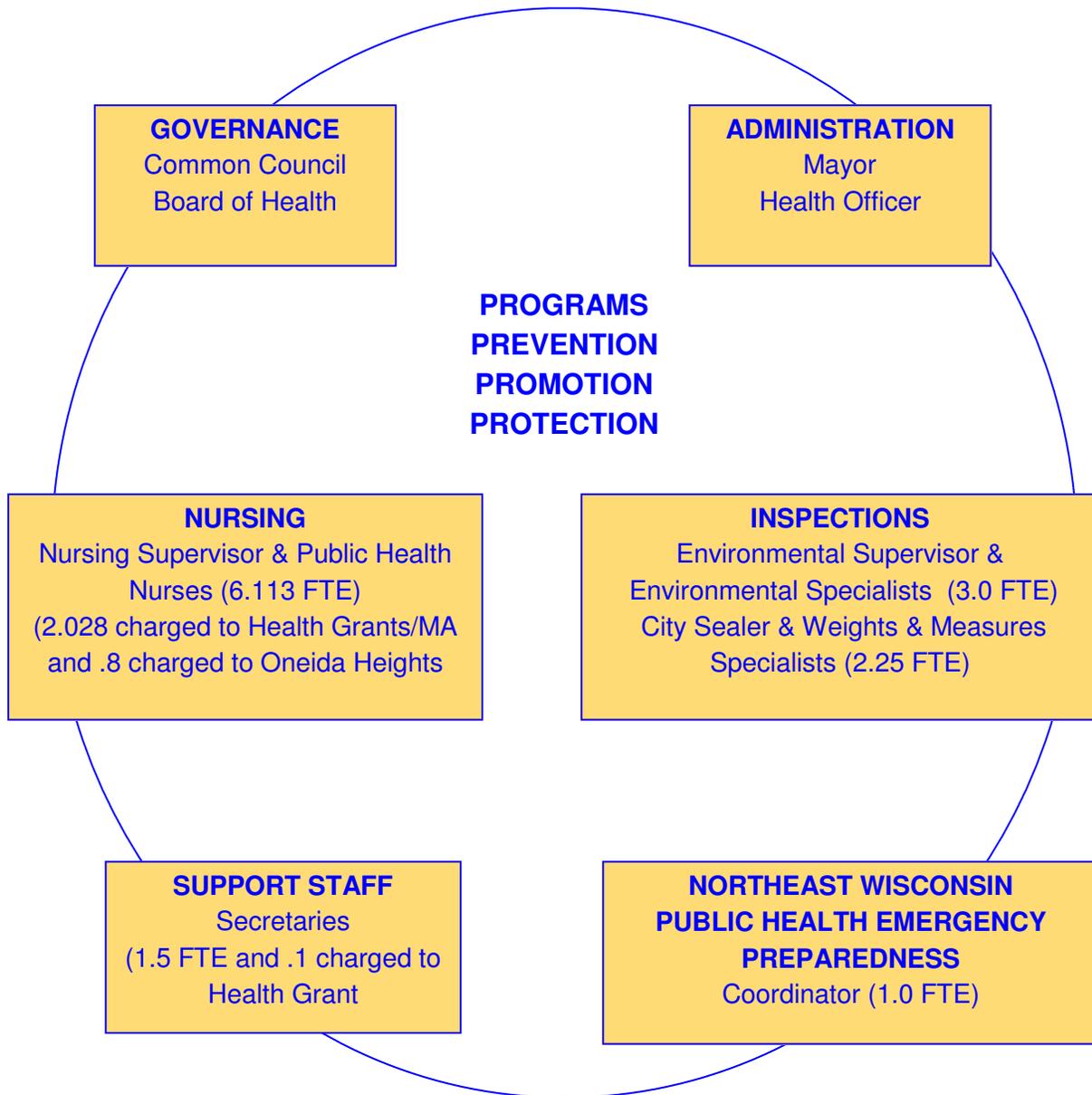
## ***MISSION AND BELIEF STATEMENTS***

The Mission of the Appleton Health Department is to safeguard the environment, promote public health, and protect consumers by providing high quality services that are responsive to the needs of the community. Our belief is that prevention is the most effective public health strategy.

- ◆ The Appleton Health Department plays a vital role assessing and assuring the health needs and trade practices in the community.
- ◆ The Appleton Health Department consists of highly motivated and dedicated individuals who provide services to protect and promote the health and well-being of the citizen and consumer.
- ◆ The Appleton Health Department communicates with the public on health and consumer related issues.
- ◆ The Appleton Health Department provides services in a cost effective and efficient manner.
- ◆ The Appleton Health Department develops and evaluates departmental programs, policies, and procedures based on community needs. We collaborate with community agencies and providers to assess those needs and ensure high quality services.
- ◆ The Appleton Health Department has a professional staff that works together as a cohesive team by cooperating, communicating and supporting each other to achieve departmental and individual goals.
- ◆ The Appleton Health Department encourages the individual to share the responsibility for their health and the health of their family.

# APPLETON HEALTH DEPARTMENT

## TABLE OF ORGANIZATION



***ROSTER***  
***BOARD OF HEALTH***

Douglas Nelson, D.D.S., Chairperson	Aldersperson Cathy Spears
Lee Marie Vogel, M.D., Medical Advisor	Mayor Timothy Hanna
Sally Mielke, R.N.	Scott J. Nickel

***PERSONNEL***

**Administration**

Kurt D. Eggebrecht, M.Ed., MCHES, Health Officer

**Inspectors**

Timothy Mirkes, R.S., Environmental Supervisor  
Eric Maggio, City Sealer  
Keith Verhagen, Weights & Measures Specialist  
James Richter, Part-time Weights & Measures Specialist  
Michelle Roberts, R.S., Environmentalist II  
Steve Kihl, R.S., Environmentalist II

**Public Health Nurses**

Sonja Jensen, R.N. BSN, Nursing Supervisor  
Kathy Stromberg, R. N., B.C. Nursing Supervisor  
Ann Steele, R.N., PHN  
Kristen Eiden, R.N., Part-time PHN  
Susan Larson, R. N., Part-time PHN  
Becky Lindberg, R.N., Part-time PHN  
Jessica Moyle, R.N., Part-time PHN  
Tina Pelishek, R.N., Part-time PHN  
Trish Schuldes, R.N., Part-time PHN  
Kathleen Sprangers, R.N., Part-time PHN  
Pam Wampole, R.N., Part-time PHN

**Northeast Wisconsin Public Health Emergency Preparedness**

Jonathan Lee, Public Health Preparedness Coordinator

**Support Staff**

Catherine Bolwerk, Secretary IV, Part-time	Renee Krajna, Secretary IV
Dorene Sense, Part-time Clerical, Britney Stobbe, Secretary IV, Part-time	

***City of Appleton  
Board of Health***



Douglas Nelson, D.D.S.  
Chairperson



Timothy Hanna  
Mayor



Lee Marie Vogel, M.D.  
Medical Advisor



Sally Mielke, R.N.



Aldersperson  
Cathy Spears



Scott Nickel

**HIGHLIGHTS OF 2013**

***“The Appleton Health Department plays a vital role assessing and assuring the health needs and trade practices in the community.”***

In January Environmental Health Supervisor Tim Mirkes collaborated with the Appleton Police Department and the City Attorney’s office in the investigation of an illegal tattooing business operating from a home. Six citations were issued to the individual. In March, the individual was found guilty of operating a tattoo establishment without a license, operating as a tattoo practitioner without a license and tattooing of minors. The remaining violations: Failure to keep and retain records of patrons, Failure to provide hand-wash facility in tattoo area, and Failure to apply tattoos in area segregated from living quarters were dismissed for the previous pleas. The total forfeiture imposed was \$979.50.

February 19th, Weights and Measures Specialist Keith Verhagen made an unannounced visit to the Saturday Indoor Winter Farm Market at the City Center. There were 40 vendor booths. A total of 1,808 items were inspected with only four (4) small labeling violations found. Maintaining a strong presence at the market as well as holding yearly Farm Market meetings and scale tests ensures an accurate commercial transaction for the consumer and vendors.

February 26th, a re-inspection of a local pharmacy (Consumer Prescription Center, 2310 W. College Ave) was conducted by Keith Verhagen, Weights and Measures Specialist. He detected major violations during the re-inspection which revealed six pricing errors (4 overcharges) in a 25 item sample. As the National Price Verification Code tolerance is + or – 2%, the 24% overall error rate found in this inspection is a violation. A warning letter was sent detailing steps to correct issues. A re-inspection was conducted on April 6th. Store staff and management were pleased with the outcome as the price scanning system was now in compliance.

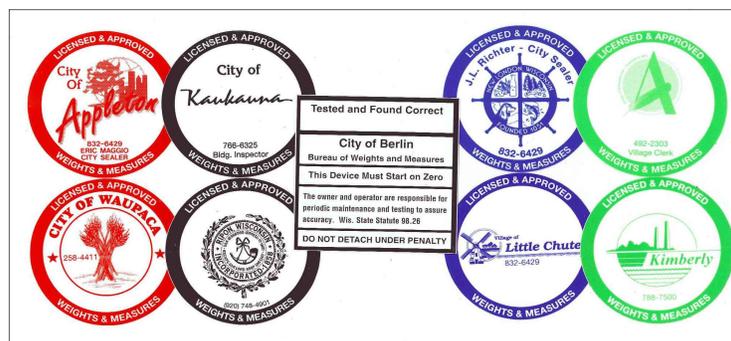
On May 1st, based on previous errors, Keith Verhagen, Weights and Measures Specialist, conducted a third price scanning re-inspection of Office Max located at 2401 S. Kensington Dr. Keith detected major violations revealing 4 pricing errors, all overcharges in a 50 item sample. The 8% overall error rate found in this inspection is a violation. A warning letter was sent to the store and a citation was issued. On June 4th, a re-inspection was conducted and Office Max passed with 0 errors.

The State license year for Environmental Health runs from July 1 through June 30. Establishments that have not paid their license renewal fees on or before June 30 are subject to a late fee of \$90.00. This explanation and notification is included in their billing statement mailing each year. This year, 25 establishments were required to pay the late fee (21 in 2011 and 22 in 2012). The municipal ordinance also states “Establishments operating on July 15 without a proper license shall be ordered closed by the Health Officer.” All the establishments of concern were contacted by staff and as a result all paid their license and late fees by July 15 to avoid being ordered closed for operating without a license.

On September 14th, Weights and Measures staff inspected the Appleton Downtown, Inc. (ADI) Farm Market. Of the 165 vendors inspected seven were without correct signage or labeling. Two vendors were found using illegal scales which were removed from use. Staff met with farm market vendors in May and provided information regarding recent changes in State and Federal policies and went over the rules. This meeting which ADI requires to participate as a vendor provides a great foundation for high compliance throughout the Farm Market season.



City Sealer Eric Maggio and Health Officer Kurt Eggebrecht met with the eight contracted East Central Weights and Measures Consortium municipalities of Ashwaubenon, Berlin, Kaukauna, Kimberly, Little Chute, New London, Ripon and Waupaca. The yearly meetings provide a chance to have a face-to-face review of the program services and answer any questions about the work completed during the past year. All municipalities are pleased with the work Weights and Measures staff has performed and value the partnership.



***“The Appleton Health Department consists of highly motivated and dedicated individuals who provide services to protect and promote the health and well-being of the citizen and consumer.”***

This year an elevated blood lead level was found in a child which resulted in a lead hazard investigation in the home of the child and family. Lead hazards were found to be present in the home and orders were issued to the landlord to remediate the hazards in order to make the dwelling safe for the family. The owner of the property made the decision to no longer rent out the property, which left a mother and 12 children, (6 of which still live at home) in need of assistance in finding a new place to live. Public Health Nurse Ann Steele, R.N. collaborated with Housing Partnership of the Fox Cities to find a new home for this family, which included a newborn and a child with special needs. Ann exhibited excellent nursing judgment throughout the series of events, and her efforts ensured that an entire family stayed safe, warm and away from the hazards of lead paint through the holiday season and beyond.

Health department nursing staff provided 394 doses of influenza vaccine to City of Appleton elected officials, employees, their spouses, partners and their children nine years of age and older.

Public Health Nurses Becky Lindberg, R.N. and Kris Eiden, R.N. provided TB skin testing for 25 individuals at the Salvation Army, Emergency Shelter, and the Appleton Public Library.

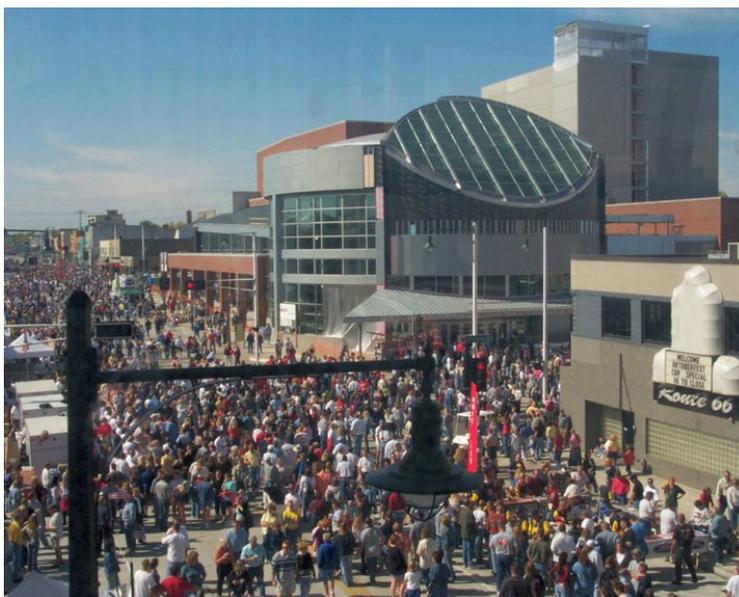
August 7th, Appleton experienced heavy winds and reported tornadoes resulting in a department and City storm response. Department staff reached out to contact our hospitals, skilled nursing homes, daycare centers and key non-profit organizations that house and serve the most vulnerable in our community to assist with any power outage related matters. In addition, staff contacted all establishments to discuss food safety and cold storage related matters. City Health Officer Eggebrecht served in the Emergency Operation Center and was a liaison to other city departments, state and local public health organizations and Red Cross shelter staff. Food safety related precautions were posted on the department’s website and Facebook page.

September 6th, Health Officer Kurt Eggebrecht met with Representative Reid Ribble regarding Federal Prevention Grant funding and how it impacts local communities. Representative Ribble was also concerned regarding the crisis with Syria and the disclosure of the use of chemical weapons.



Each year, the Oktoberfest organizers provide training to the participants of Oktoberfest. Attendance is required at one of two scheduled vendor-training meetings in order to participate in the event. Health Department staff provided the food service training and Weights & Measures requirements. The Police and Fire departments, as well as the Chamber of Commerce personnel relayed other important information to the vendors during these training meetings to keep the event safe. This year, there were over 260 people present at the training meetings.

This year, there were 89 food stand inspections and seven re-inspections conducted by Health Department staff during License to Cruise and Oktoberfest. Five food stand inspections were conducted at License to Cruise. 84 non-profit food stand inspections were conducted at Oktoberfest. Of the 89 stands that were inspected, 73 food stands had no violations at the time of the inspection (82%). There were a total of 23 violations recorded at 14 food stands during Oktoberfest and 2 violations found at 2 food stands at License to Cruise. In addition one vendor mutually agreed to throw out 20 pounds of food as it was not stored at proper temperature and posed a health risk.



In addition to the Health inspections at Oktoberfest, Weights and Measures inspections were conducted. This year, there were 42 vendors inspected for Weights and Measures compliance of product labeling and trade practice regulations. Booths selling various items such as pre-packed retail food products, herbal soaps and honey products were inspected. More than 5,100 items were inspected. These items must be fully labeled and sold either by weight or measure, depending on the product type. There were two vendors found with violations. The violations were all fixed during the inspection and booths were allowed to keep selling. The violations were for short weight soaps.

This year one dog and five bats were shipped for rabies testing following contact or possible contact with humans. All tested negative for rabies. In addition, a City resident was bit by a bat while visiting another area. This bat was tested and found to be

positive. Environmentalist Steve Kihl immediately made contact with the victim and the person received the rabies post exposure prophylaxis regime.



As part of our Agent agreement with the Department of Agriculture, Trade, and Consumer Protection, the Environmental section is periodically asked to collect local food and food contact surface swab samples from licensed establishments for routine testing at the State Lab. In August we collected 10 surface swab samples at each of three retail food stores, looking for presence of Listeria. All samples were negative.

***“The Appleton Health Department communicates with the public on health and consumer related issues.”***

Department staff members educated the public on a variety of health-related topics. These presentations reflect the many aspects of public health services that our department provides and many offer achievable prevention strategies for improving the health and wellness of individuals and families in our city.

This year staff have educated the public on a variety of topics. Some examples include the following:

Safe to Sleep education provides parents and caregivers information of safe infant sleep and prevention of SIDS and other sleep-related causes of infant death. Public health nurses provided Safe Sleep training to many audiences including Mommy & Me classes, health fairs at Lawrence University and Appvion, the Hmong-American Partnership meeting, Teen Parent Conference held at Fox Valley Technical College and local childcare and healthcare providers.



January 2nd, Environmental Health Supervisor Tim Mirkes and Nursing Supervisor Kathy Stromberg, R.N., B.C. participated in the Hmong Radio Program. Topics covered included: Seasonal Influenza, Safe to Sleep, Safe Butchering and Food Preparation, and Bed Bugs.

February 26th, Health Officer Eggebrecht presented on state-wide webinar for the State Healthy Communities Coalition, coordinated by the Wisconsin Department of Health Services Nutrition, Physical Activity and Obesity Program. Eggebrecht discussed the Weight of the Fox Valley Summit goals and process for community engagement.

March 13th, Health Officer Eggebrecht presented at the worksite kick off of The Fox Cities Bike Challenge held at Kimberly Clark. Eggebrecht spoke on the health benefits of the campaign including the burden of obesity as it impacts diabetes and cardiovascular health.



April 11th, Public health nurses, Jess Moyle, R.N. and Ann Steele, R.N., presented on Lead Poisoning Prevention and Home Safety at the Fox Valley Apartment Association Trade Show. Approximately 40 landlords/owners were in attendance.

April 26th, Health Officer Eggebrecht presented to students attending the Fox Valley Technical College studying law enforcement. The session was held at the Appleton Police Department on the topic of integrated Emergency Operation Plans.

May 15th, Becky Lindberg, R.N. participated in the Health and Wellness Fair at the Boys and Girls Clubs of the Fox Valley. There were approximately 160 participants and the topic was, "Rethink your Drink", which educated school-aged children about the amount of sugar in popular drinks.

May 15th, Public Health Nurse Supervisor Sonja Jensen, R.N., BSN, presented at Villa Phoenix for nineteen clients and staff which learned about Diabetes Prevention and Management.

June 4th, Health Officer Kurt Eggebrecht presented to participants of the Wisconsin Active Community Regional Workshop held at Miron Construction in Neenah.

July 9th, Public Health Nurse, Jess Moyle, R.N. presented a breastfeeding update to all nursing staff members who work with new mothers in our community.

July 15th, Nurse Supervisor, Sonja Jensen, R.N., gave a presentation to the Mom and Me class at Appleton Medical Center. Nine moms and 2 class facilitators learned of the importance of immunizations for children and their families.

July 30th, Sonja presented TB and other communicable diseases to UW Health Residents. Twenty residents were in attendance at the UW Health Fox Valley Clinic.

August 8th, Sonja Jensen, R.N. presented to a group of parents preparing for international adoption through Lutheran Social Services. Topics included immunizations, communicable diseases, and lead poisoning prevention. Six couples and one LSS staff member attended the session which was held at First English Lutheran Church in Appleton.

October 9th, in cooperation with the UW Fox Valley Family Medicine Residency Program this quarter, two resident physicians met with Environmental Supervisor Tim Mirkes to learn about the Environmental Health responsibilities provided by the Appleton Health Department. By providing this in-service, resident physicians gain awareness of rabies follow-up, food safety and food-borne illness investigation as it relates to their practice, as well as other areas where the environmental section can be a resource.

October 10th, Environmentalist Steve Kihl, R.S., was a guest speaker at a Fox Valley Apartment Association meeting. More than 50 apartment owners were in attendance. Topics included mold, lead hazards, unsanitary conditions and hoarding.

November 5th, Public Health Nurse Jess Moyle, R.N., gave a presentation to UW Health Family Medicine resident physicians on the Prenatal Care Coordination Program. Twenty resident physicians attended.

***“The Appleton Health Department provides services in a cost effective and efficient manner.”***

In March, Environmental Health Supervisor Tim Mirkes provided annual respirator fit testing to the Health Department staff. The annual fit testing is conducted, not only for preparedness planning, but also assures respirators are being correctly fitted to provide effective protection from contaminants such as TB and asbestos.



Weights and Measures staff provided training for vendors of the Festival Foods Farm Market held at the store on Northland Avenue. A record number of vendors attended the meeting this year. Staff also tested 30 farm market vendors' scales as well as package and labeling approvals. The meeting which has become mandatory provides a great foundation for high compliance throughout the Farm Market's summer duration. Weights and Measures staff will monitor the Farm Market throughout the summer to ensure compliance. Weights & Measures staff also provided training at the annual Appleton Downtown Farm Market vendor meeting held in the Library meeting room. City Sealer Maggio provided information regarding policies as well as going over the rules. Weights and Measures staff tested 28 farm market vendors' scales as well as package and labeling inspections. Staff will also monitor this farm market throughout the summer months.

Environmentalist Steve Kihl provided food safety training to 20 participants in preparation for the annual Xavier Food Fair, which is held annually on the first Sunday in May. Providing food safety education to individuals who do not normally cook for large gatherings helps to reduce mistakes that could cause a food borne outbreak.



Public Health Nurse Becky Lindberg, R.N. provided annual TB skin testing for 93 Fire and Police employees. Eighteen Health staff were also screened this quarter.

Department staff continues to collaborate with five county health departments to provide staff support in planning for public health emergencies in Northeast Wisconsin (NEW consortium).



Appleton Health Department and partners from the North East Wisconsin (NEW) Public Health Preparedness Partnership participated in a functional exercise on April 11th. The scenario chosen for this exercise was an Ice Storm occurrence with widespread power outages. This exercise was planned to test our capabilities related to Emergency Operations Coordination, Emergency Public Information & Warning and Information Sharing during an event. On April 10th, the City of Appleton responded to an actual Ice Storm event. The department connected with food establishments, health-care organizations and the general public through the city Public Information Officer to disseminate safety information regarding long term power outages. The planning that went into the exercise, as well as lessons learned from a previous power outage in September of 2011, was helpful in responding to this event.



An annual review of the Public Health Emergency Plan (PHEP) was completed during June 2013. This “all-hazards” plan outlines the response strategies for our health department during disasters or other emergencies requiring a public health response.

Resources in this plan assist us with organizing our staff members into incident response roles. The plan also includes information to connect with our key partners such as emergency management and local hospitals and provides template messages to communicate health risks to the public based on hazard-specific details. Relevant updates, included lessons learned from the April exercise and ice storm response, were made and implemented into the local plan for 2013 as part of this review process.

Public health nurses, Jess Moyle, R.N. and Kris Eiden, R.N. partnered with John Fischer Manor to offer monthly blood pressure screenings to residents throughout 2013.

Public Health Nurse Pam Wampole, R.N. partnered with two physicians with the UW Health Fox Valley Family Medicine Residency Program. These physicians came to Oneida Heights on October 23rd and spoke to 40 residents on First Aid.

Public Health staff have been participating in the Refugee Resettlement Team meetings. This team of Appleton area community stakeholders has the mission to work to ensure coordinated services for successful refugee transition while welcoming refugees to the community.

Environmental Health Supervisor Tim Mirkes conducted a courtesy inspection at the Boys and Girls Club food service kitchen at the request of the Food Manager. A few items were noted in need of correction but overall, they are doing a very good job regarding food safety and sanitation. Although the Boys and Girls Club is exempt from licensing, it is still important to assure safe meal delivery.

Public health nurses, Becky Lindberg, R.N. and Jess Moyle, R.N. assisted at the Car Seat Recycle event held on April 20, at the Grand Chute Fire Department. This event was sponsored by the Fox Valley Safe Kids Coalition of which Appleton Health Department is a member. A total of 147 car seats were collected and recycled.



***“The Appleton Health Department develops and evaluates departmental programs, policies, and procedures based on community needs. We collaborate with community agencies and providers to assess those needs and ensure high quality services.”***

Health Officer Kurt Eggebrecht assisted with the planning for this year’s Fox Cities Bike Challenge. The goal was to enroll 2,500 participants. Eggebrecht reached out to Willems Marketing and Ministry Health Care to design and print an attractive education card to promote throughout the tri-county area. Both organizations donated their time, talent and resources resulting in 10,000 cards having been distributed through the YMCA’s, bike shops, work place, school settings, Health Departments, Park & Recreation offices and health clinic locations to name a few. In addition, Eggebrecht worked with Nicole Voelzke from Valley Transit to assure all busses with bike racks have the same imagery placed on the racks. Nicole also developed a Facebook page for the campaign to list events throughout the challenge. Eggebrecht worked with area health departments to reach out and recruit local businesses interested in attracting bike riders to their establishments through a program called Bicycle Benefits. The department used prevention grant funds to jump start this program and to pay for bus posters and related promotional materials. Appleton was named number one in the country for communities our size. We exceeded our goal in both participation and mileage.

Also this year, Health Officer Eggebrecht assisted with a targeted community intervention which originated through Theda Care CHAT on Latino Teen Pregnancy Prevention Program. After extensive research of best practice the program titled “Cuidate” has been selected to be taught at the Fox Cities Community Clinic. This program provides education and pregnancy planning leading to a healthier, brighter future. This program builds on Latino pride, culture and community. Sexual health, healthy relationships and stronger family ties through open communication are expected consequences of this program. Delaying pregnancy through knowledge and setting life goals has shown to be successful in other communities.



On March 1st & 8th, the Weight of The Fox Valley Summit was held to educate and build capacity around the growing problem of overweight and obesity. More than 950 community leaders throughout the tri-county region were invited to participate. A long-term commitment to encourage people of all ages in reaching and maintaining a healthy weight was discussed as a priority to improve the health and economic vitality of our region. The planning team included representatives from the Fox Cities and Oshkosh Area United Ways, ThedaCare and Affinity Health Systems, along with Health Officer Eggebrecht who represents Public Health. Ongoing efforts to build on this successful summit are underway.



Sonja Jensen, R.N. and Kathleen Sprangers, R.N. successfully completed the Vaccines for Children Program (VFC) audit with the State Immunization Program. During the site visit, program representatives examined all aspects of the VFC program, from vaccine storage and handling to all components of program administration.

July 14th, a local non-profit agency was displaced due to a fire and had to relocate to a Red Cross sponsored shelter. Public Health Nurse Ann Steele, R.N. responded

after-hours to assist with a health related concern at the shelter.

Public Health Nurse Ann Steele, R.N. participated in a meeting held on July 18 at the Thompson Community Center that involved various agencies in the Appleton community concerned with Lesbian, Gay, Bisexual, Transgender and Queer aging issues. She will continue to be the health department representative as this group moves forward to address these issues.

August 26th, Health Officer Eggebrecht met with all of the Appleton Area School District nurses to update on disease trends over the summer months and to discuss anticipated challenges this school year. This partnership is critical to our efforts of containing outbreaks.

Nurse Supervisor, Sonja Jensen, R.N. represented the department on the Northeast Region TB Summit Planning Group. This group planned a regional conference for public health and private healthcare providers held in Sheboygan on November 12th.

Public Health Nurse Pam Wampole, R.N. made arrangements with Partnership Community Health Center to have their trained staff come on site at Oneida Heights to assist residents with enrollment in the Marketplace related to the Affordable Care Act, reducing barriers to enrollment has been a focus of the department.

Public Health Nurses, Kathleen Sprangers, R.N. and Ann Steele, R.N. created a new initiative within the department's Childhood Lead Poisoning Prevention Program. The aim of this new initiative is to provide increased outreach and education efforts related to lead poisoning prevention to families with infants living in homes built before 1950.

Department staff worked closely with the Mile of Music planning team. Dozens of noise variances were granted throughout the City during this inaugural year of the music festival.

In October, Appleton Health Department sent a letter to faith-based communities throughout the city to offer posters emphasizing the importance of hand-washing and cough etiquette during the influenza season. The letter also invited interested faith community leaders to stop by our office for free hand sanitizer dispensers to display prominently in their common areas. This is the third year Appleton Health Department has offered these resources, and we exhausted our supply of hand sanitizer. Over the past three flu seasons we distributed over 200 posters and more than 100 hand sanitizer dispensers in Appleton. We were also encouraged to discover that several churches have taken the initiative on their own to make hand sanitizer available to their members.

The entire staff within the Health Department completed a five year strategic plan integrated into a City of Appleton plan. This plan has been posted on our department's website which includes our mission, vision, planning assumptions and key strategies.

***“The Appleton Health Department has a professional staff that works together as a cohesive team by cooperating, communicating, and supporting each other to achieve departmental and individual goals.”***

In April, Health Officer Eggebrecht was elected by his peers in Northeastern Wisconsin to serve on the Board of Directors of the Wisconsin Public Health Association. WPHA is the largest public health organization that supports activities to promote and protect our state’s public health.



Also in April, we celebrated the career and retirement of Nurse Supervisor Kathy Stromberg and welcomed Sonja Jensen, R.N., BSN into this role. We have been fortunate to have such committed public health nurses serve in this role.

Britney Stobbe became the newest member of our team. She was hired to fill the vacant .5FTE Administrative Assistant position in the Health Department.

August 19th a Lawrence student by the name of Caitlin Zuehlke began a summer internship with our department. She has researched promising interventions to prevent the initiation of heroin use.

Our department places a high priority on continuing education and quality improvement. Throughout this year staff participated in several training opportunities including:

Trish Schuldes, R.N., Tina Pelishek, R.N., Becky Lindberg, R.N. and Jessica Moyle, R.N. attended training on site for the “My Baby and Me” program to reduce alcohol use during pregnancy. Presentation was given by Carl Oliver from the Wisconsin Women’s Health Foundation.

Public Health Nurse Jessica Moyle, R.N. attended an informational session on Parent Connection Teen Parent program held at Zion Lutheran Church.

City Sealer Eric Maggio attended the annual Weights and Measures Policy and Procedure training in Madison, WI. Local City Sealers and State Inspectors attended the meeting with State Management. The meeting provided information regarding recent changes in policies as well as the yearly schedule for training and state surveys. City of Appleton City Sealer Eric Maggio wrote a procedure for Retail Motor Fuel

Accuracy and Repeatability that was published in the 2013 Policy and Procedure Manual.

Public Health Preparedness Coordinator Jon Lee and Health Officer Kurt Eggebrecht completed the Centers for Disease Control Crisis Emergency and Risk Communication course on February 6th, in Kimberly. Jon Lee also attended the Public Health Preparedness 2013 National Summit in Atlanta, GA on a scholarship provided by Wisconsin DPH from March 11th through March 15th. Sessions included topics on preparing jointly with healthcare systems and lessons learned from large disasters including Super Storm Sandy and the Aurora Theater Mass Shooting. Representatives from all 50 states attended the conference. A tour of the CDC's Emergency Operations Center (EOC) was arranged for Wisconsin attendees at the summit by our state CDC consultant. This tour provided an understanding of the incident command organization of the CDC during a public health emergency.

Health Officer Kurt Eggebrecht participated in training on the new tobacco products being marketed to children. These smokeless tobacco products often look like candy and are extremely effective at creating a dependency on nicotine. This dependency leads to the use of cigarettes at a young age, thus maintaining and replacing their market share as other smokers kick the habit, and or quit due to tobacco related illness and/or death.

Public health nurses Jess Moyle, R.N., Trish Schuldes, R.N. and Tina Pelishek, R.N. attended a Building Resiliency Training (experiences of building resiliency of those who had adverse childhood experiences). The training was held in Wautoma and sponsored by the Tri-County Healthy Babies Coalition.

Health Officer Eggebrecht attended the Wisconsin Health Education Network Conference where the topic of how the Affordable Care Act with its emphasis on prevention was highlighted.

Health Officer Eggebrecht attended a day long "Train the Trainer" course on Quality Improvement. Creating a culture of quality improvement is a priority for the department.

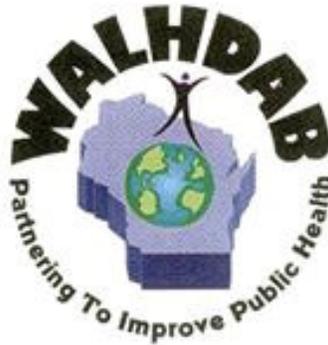
Jon Lee, Preparedness Coordinator attended the Threat Liaison Officer (TLO) training in Waupaca. This training educated participants on the state fusion center, where threats to public safety and health are shared between municipal, state and federal agencies. Public health staff members were encouraged to attend this event and became qualified to receive regular updates from the fusion center regarding current and emerging threats in Wisconsin.

Public Health Nurse Jess Moyle, R.N. attended the Certified Lactation Specialist Course held in Wausau May13-17. She completed all the requirements and passed the exam, and is now a Certified Lactation Specialist.



Public Health Nurse Supervisor Sonja Jensen, R.N., BSN represented the department at the regional Communities of Practice Workgroup. This group is interested in public health accreditation requirements, including performance management and quality improvement.

Health Officer Kurt Eggebrecht attended the combined annual conference of Wisconsin Public Health Association and the Wisconsin Association of Local Health Department and Boards. Eggebrecht currently serves on the Board of Directors for both organizations.



The Environmental staff, comprised of Tim Mirkes, Michelle Roberts and Steve Kihl, attended a Wisconsin Food Code training session May 28th, held at Fox Valley Technical College. The training focused on new revisions to the Food Code, which became effective on September 1st.

The HIV Partner Services annual meeting/training was held on May 30th at the Radisson hotel in Appleton. Public health nurses, Kris Eiden, R.N. and Ann Steele, R.N. attended this training.

Public health nurses, Jess Moyle, R.N. and Tina Pelishek, R.N. received training on “Understanding Infant Adoption” held at Children’s Hospital of Wisconsin-Neenah campus.

Public health nurses, Trish Schuldes, R.N., Tina Pelishek, R.N. and Jess Moyle, R.N. participated in Prenatal Care Coordination training held at the Menasha Library.

Training for Child Death Review Team members was provided by the Children’s Health Alliance at the Outagamie County Administration Building. Public health nurses Becky Lindberg, R.N. and Sonja Jensen, R.N. attended the training.

Kathleen Sprangers, R.N. completed all requirements to renew the Lead Sampling Technician certification.

Public Health Nurse Becky Lindberg, R.N. attended the Maternal Child Health Statewide conference held in Stevens Point. The theme of the conference was, “Building Early Childhood Systems to Support Healthy, Thriving Communities”.

The 16th Annual Public Health Nursing Conference was held in Stevens Point. Becky Lindberg, R.N. and Sonja Jensen, R.N. both attended this conference with the theme of “Thriving in a Changing Environment”.

Nurse Supervisor Sonja Jensen, R.N. attended the Affordable Care Act Regional Enrollment Network meeting in Oshkosh.

Public health nurses, Jess Moyle, R.N. and Tina Pelishek, R.N. attended the First Breath Regional Sharing Session held at the Appleton Library.

Public health nurses Jess Moyle, R.N., Tina Pelishek, R.N. and Trish Schuldes, R.N. attended the Wisconsin Association for Perinatal Care Forum held at Appleton Medical Center. The focus was on the importance of Perinatal Weight Management.

Public Health Nursing Staff attended CPR training held at Appleton Fire Station #1. Successful renewal of Professional Rescuer CPR was attained by all in attendance.

Public Health Nurse Kathleen Sprangers, R.N. attended the Vaccines for Children Program Workshop at the Appleton Library.

September 24th, Appleton Health Department staff participated in our annual off site "Team Building Day." Staff look forward to this day which allows everyone to share and celebrate our successes from the past year with each other. This year we also used the opportunity to finalize our department's 5-year strategic plan.



In the month of September all nursing staff attended various trainings for area providers on the Affordable Care Act, provided by Partnership Community Health Center and held at the Fox Valley United Way.

October 7-9, City Sealer Eric Maggio represented Appleton and the East Central Weights and Measures Consortium by attending the annual fall conference in Wausau, WI. The conference was administered by the Wisconsin Weights and Measures Association and the National Conference for Weights and Measures. Those attending were provided training on Package Checking. City Sealer Maggio provided some of the training and served as President Elect. During the closing of the conference, City Sealer Eric Maggio was voted as Wisconsin Weights and Measures Association President for the second time in three years.

October 11th, Public Health Nurse Ann Steele, R.N. attended the regional HIV providers meeting in Appleton.

In October, Environmentalist Steve Kihl, R.S. attended a three day State sponsored HACCP (Hazard analysis and critical control points) training program in La Crosse. HACCP is a systematic preventive approach to food safety, biological, chemical and physical hazards in food production processes that can cause the finished product to be unsafe, and designs measurements to reduce these risks to a safe level.

Environmentalist Michelle Roberts, R.S. attended a training session on bed bug control in October.



Also in October, environmentalists Steve Kihl, R.S. and Michelle Roberts, R.S. attended the annual Department of Agriculture, Trade & Consumer Protection (DATCP) fall training meeting.

In November, Environmental Supervisor Tim Mirkes successfully completed a Wisconsin Food Code Standardization maintenance exercise with a state evaluator from the Department of Health Services. The purpose of standardization and maintenance is to promote statewide uniformity and establish proof of inspector proficiency in the food establishment inspection process. It focuses on risk factors that contribute to foodborne illnesses. It also allows for the State standardized inspector to conduct the standardization exercise with local staff.

On November 7th and 8th, Preparedness Coordinator Jon Lee attended a Mass Fatality planning workshop in Green Bay. This two day training focused on developing a collaborative, local plan with our partners to respond to an emergency incident involving several fatalities. Real world examples were provided by the instructor for consideration, along with a student manual and detailed template plans from other communities. Mass Fatality Planning is one of the Centers for Disease Control defined public health preparedness capabilities and is a priority objective over the next two years for our preparedness grant objectives.

Health Officer Kurt Eggebrecht attended the 141st Annual American Public Health Association meeting in November. More than 13,000 public health professionals attended. The theme for this year's meeting was "Think Global, Act Local".



Public health nurses Trish Schuldes, R.N., Tina Pelishek, R.N., and Jess Moyle, R.N. attended a presentation on the issue of tongue-tie in babies and breastfeeding at the regional Prenatal Care Coordination meeting on November 6th in Menasha.

The First Annual Northeast Region TB Summit was held in Sheboygan on November 12th. Health Officer Kurt Eggebrecht, Nurse Supervisor Sonja Jensen, R.N., and public health nurses Trish Schuldes, R.N., Tina Pelishek, R.N., and Jess Moyle, R.N. attended.

Public Health Nurse Becky Lindberg, R.N. attended the annual "Keeping Kids Alive in Wisconsin: Be a Lifesaver" conference in Stevens Point on November 13th. The conference is organized by the Children's Health Alliance of Wisconsin and is also the annual meeting for team members of local child death review teams.

The Fox Valley Warming Shelter gave their annual Report to the Community on November 20th, and Public Health Nurse Ann Steele, R.N. was in attendance.

Public health nurses Trish Schuldes, R.N., Tina Pelishek, R.N., and Jess Moyle, R.N. attended a Sexually Transmitted Disease seminar in Madison on November 20th. This seminar was organized by the Department of Health Services and had a public health focus.

A presentation by Larry Potter (Appleton Police Department) on mass murderers was given at the Healthy Infants and Children Alliance Meeting on November 20th. Public health nurses Ann Steele, R.N. and Becky Lindberg, R.N. attended.

Public Health Nurse Ann Steele, R.N. attended the regional mental health network meeting on November 20th which featured a presentation about trauma care.

Public Health Nurse Jess Moyle, R.N. attended the Breastfeeding Alliance Network workshop on the issue of tongue-tie on November 24th at the UW-Extension office.

In December, Environmentalist Steve Kihl, R.S. successfully completed the Wisconsin Food Code Standardization maintenance exercise with Tim Mirkes as the evaluator of the exercise.

***“The Appleton Health Department encourages the individual to share the responsibility for their health and the health of their family.”***

March 5th, Health Officer Eggebrecht met with representatives of Thrivent Financial for Lutherans to discuss our Point of Decision prompts program which promotes the use of taking the stairs rather than elevators. This program currently in City Parking garages and downtown buildings is something Thrivent is interested in doing at their facilities, through their Health Services department



In coordination with the UW Fox Valley Family Medicine Residency Program, two resident physicians met with Environmental Supervisor Tim Mirkes to learn about the Environmental Health responsibilities provided by the Appleton Health Department. By providing this in-service, resident physicians gain awareness of rabies follow-up, food safety and food-borne illness investigation as it relates to their practice, as well as other areas where the environmental section can be a resource.

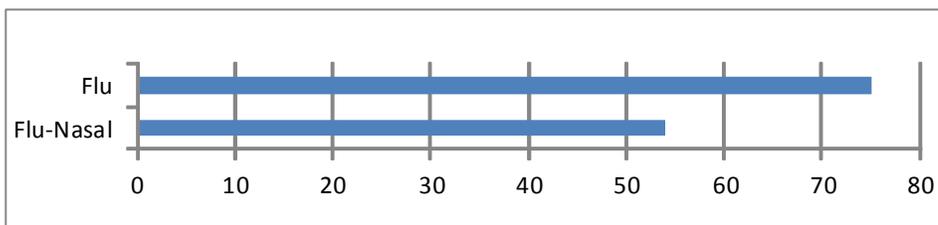
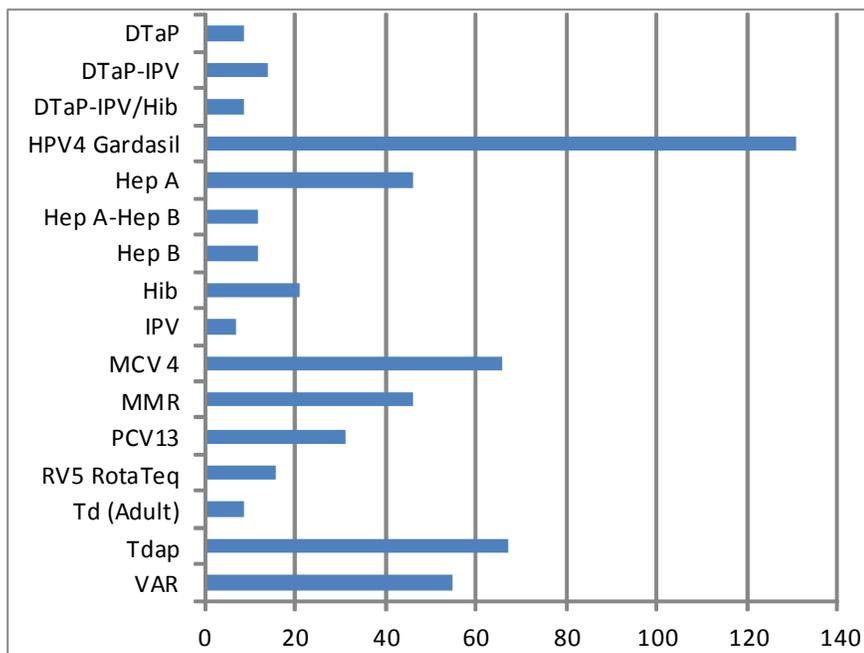
Public Health Nurse Sonja Jensen, R.N. presented on TB and other communicable diseases and Jess Moyle, R.N. gave a presentation to UW Health Family Medicine resident physicians on the Prenatal Care Coordination Program

## COMMUNICABLE DISEASE PROGRAM

Communicable disease services are designed to prevent disease and promote health in the community. Epidemiological and regulatory service are major components of this program.

Clinical services include immunizations and health education. Immunizations for vaccine preventable diseases were provided to the public and City employees. Interpreter assisted clinics were offered monthly to improve access and vaccine coverage for Hmong, Chinese and Spanish speaking residents. Influenza clinics were offered in the fourth quarter to target at-risk individuals. Appleton adults are provided vaccine based on the Wisconsin Immunization Program guidelines. In 2013, 315 clients received 694 doses of vaccine.

### Vaccines Administered in 2013



Participation in the Northeast Wisconsin Immunization Coalition is focused on community-wide activities to increase the immunization rates.

### **Communicable Disease Investigation, Prevention and Control**

Public health staff investigate reported cases of communicable disease. Epidemiological case reports are submitted to the Wisconsin Department of Health Services through the Wisconsin Electronic Disease Surveillance System. Contacts to cases are identified, screened and referred as appropriate. Measures to prevent and control disease spread are reviewed with cases and contacts. It is estimated for every case of confirmed disease reported, an average of two contacts are identified and counseled.

In 2013, Appleton continued to see an increase in reported cases of Chlamydia and Gonorrhea. Providers are testing regularly and Public Health Staff continue to attempt follow-up for prevention education.

In 2013, nursing staff worked with the Department of Health Services to control Gastrointestinal illness outbreaks in three long term care facilities. Lab testing, staff education and symptom monitoring services were provided. Also, nursing staff assisted four long term care facilities with respiratory illness outbreaks.

The Department also received 13 referrals of individuals for treatment of Latent Tuberculosis Infection (LTBI). Nursing staff maintain a close working relationship with the Wisconsin Department of Health Services TB program and with local primary care providers. Nursing staff provided Communicable Disease case management and directly observed therapy services to one newly identified active Tuberculosis case in 2013.

Tables showing numbers of cases and rates per 1000 population for all gastroenteric and sexually transmitted diseases are located on page 46. Additionally, page 47 contains tables showing the numbers and rates for vaccine preventable and other communicable diseases.

### **Wisconsin Partner Services (PS)**

This is a statewide program whose goal is to control and prevent the transmission of HIV infection (AIDS). Efforts to notify partners of infected individuals attempt to break the chain of disease transmission by early identification and testing of individuals who have been exposed to HIV. Two Partner Services Public Health Nurses work closely with ARCW (Aids Resource Center of WI) Green Bay and Appleton Health Department office staff to provide coordinated testing and case management services. Any work with this contract is reimbursed by the State through this program. There were four referrals received for this program during 2013.

### **Sexually Transmitted Disease Contracted Services**

The Department has a contract with Planned Parenthood to provide screening, testing and treatment for persons seeking services for sexually transmitted disease, who have no means of paying for or obtaining services elsewhere. The contract also includes epidemiological investigation of confirmed cases among those clients served. In 2013, one hundred three (103) individuals were served. One hundred fifty-two (152) lab tests were performed resulting in 24 treatments for positive cases.

### **Foodborne Outbreak Illness Investigation**

There were no foodborne outbreaks investigated or reported to the State Division of Public Health in 2013.

### **State Laboratory of Hygiene Testing Services**

The Wisconsin State Laboratory of Hygiene provides free testing of certain patient and food item type samples as support for investigation and prevention of communicable disease transmission. Samples submitted must fit within parameters determined by the State. In 2013, the State provided \$3,241 of fee exempt service to the City. A table of exact types and numbers of test performed is located on page 56. Wisconsin Occupational Health Laboratory provided \$385 of fee exempt service analyzing dust wipe samples-part of the Lead Poisoning Prevention Home Visitation Program.

### **Occupational Health**

Collaborative efforts in providing occupational health services related to communicable disease continued in 2013. Efforts included annual TB skin testing for Police, Fire and Health, annual training for employees at risk for blood borne exposures and annual policy review.

## ***ENVIRONMENTAL CONTROL***

The primary focus of environmental health services is the control of communicable disease spread. These control activities usually take the form of regulatory activities in food handling settings such as restaurants, retail food stores and vending machines. Regulatory activities are also conducted in public recreational facilities, including swimming pools and lodging establishments. Another area where environmental oversight contributes to communicable disease control is through code enforcement of tattoo and body piercing establishments. Additionally, the Department provides support to the rabies control program of the Police Department by consulting with victims and physicians and facilitating analysis of specimens.

## **Regulatory Descriptions and Statistics**

**Food Protection**—As agents for the Wisconsin Department of Health Services (DHS) and the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP), the Health Department’s Environmental Health Section ensures safe food handling practices and protects the health and safety of Appleton residents and visitors. This is accomplished through administration of state and local regulations and laws. Annual licensed food establishment inspections are conducted, and consultation and food safety education is provided to the operators. Collection and testing of food samples and code enforcement action is also conducted when necessary.

**Lodging Facilities**—As agents for DHS, the Department enforces sanitary and safety regulations for all hotels, motels and bed & breakfast establishments. As agents for the Department of Safety and Professional Services (DPS) and under the Municipal Code, the Department enforces sanitary and safety regulations for manufactured home communities.

**Public Pools**—As agents for DHS, the Department performs annual swimming pool and whirlpool inspections to assure compliance with safety, maintenance and operation requirements. Monthly water samples are also collected from each pool and whirlpool facility. The samples are tested in a DATCP Certified Laboratory at the Waste Water Treatment Plant to assure state and local pool water quality standards are maintained.

<i>Types of Tests</i>	<i>2008</i>	<i>2013</i>
<b>SWIMMING POOL WATER SAMPLES</b>		
Total number of pool samples	276	248
Total number of pools re-sampled	2	1
Total positive Heterotrophic Plate Count	3	0
Total positive coliform	1	1
<b>RABIES SPECIMENS</b>		
Total number shipped	19	6
Total positive results	0	0

**Tattoo and Body Piercing Establishments**—As agents for DHS and under Municipal Code authority, the Health Department’s Environmental Health Section licenses and inspects all tattoo and body piercing establishments and enforces safety and sanitary requirements.

**Rabies Control**—In cooperation with the Police Department, the Health Department is involved in the investigation of human or animal exposures to suspected rabid animals.

The Environmental Health Section operates on a fiscal calendar year of July 1 through June 30. The following chart illustrates the number and types of activities associated with the above license year. Data for 2012/13 is compared to 2007/08. In the 2012/13 license year, the Department issued 460 licenses and 168 non-profit food permits compared to 451 licenses and 221 non-profit food permits in 2007/08. In 2012/13, 7 plan reviews were completed, and in 2007/08 there were 17 plan reviews completed for new or remodeled establishments. In 2012/13, 33 pre-licensing inspections were conducted for new or change-of-operator establishments compared to 48 pre-licensing inspections in 2007/08.

**LICENSES/REGULATED ESTABLISHMENTS  
2007/08 COMPARED TO 2012/13**

Type of Establishment	Number of Inspections		Number of Consultations		Number of Complaints		Number of Re-inspections and Complaint Follow-ups	
	2007/08	2012/13	2007/08	2012/13	2007/08	2012/13	2007/08	2012/13
Public Eating and Drinking Establishments; Temporary Restaurants; Non-Profits	472	317	293	320	29	35	112	95
Permanent and Temporary Retail Food Establishments	102	101	94	79	14	16	36	15
Lodging Establishments; Rec/Ed/ Campground	11	11	15	5	0	0	0	0
Manufactured Home Communities	1	1	0	2	0	0	0	0
Vending Machines	46	0	0	0	0	0	0	0
Swimming Pools	21	29	11	15	3	0	5	0
Tattoo/Body Piercing Establishments	9	12	29	14	1	1	2	3

### **Maternal/Child Health (MCH) Program**

Services under the MCH program focus on the promotion of positive health outcomes and the reduction of risks associated with the reproductive health of individuals and families, and growth and development of infants, children, youth and parents. The focus is on the family as the basic unit of service. This program supports the provision of quality health care that spans the life-cycle periods of preconception, pregnancy, infancy and childhood. As additional home visit based social service programs become available in the community, our efforts have been concentrated on more intense case management for prenatal women and medically at-risk infants and children. Activities include assessment, planning, counseling, education, advocacy, evaluation and referral. Services are provided in the home setting. A maternal child health consolidated contract and property taxes fund these services.

The comprehensive Prenatal Care Coordination program (PNCC) was added to the MCH program in 2002. This program serves women with risk factors for a high risk pregnancy and works towards positive birth outcomes. Consolidated contract objectives in 2013 focused on a consistent community Safe Sleep messaging initiative, a crib program and continued systems level activities. Staff provided educational opportunities for community agencies and primary care providers in areas of safe sleep and the Life Course Model.

In addition, the Department participates on the Outagamie County Child Death Review Team that works to identify preventable risk factors that may have contributed to a child's death.

### **Childhood Lead Poisoning Prevention Program**

This program is supported by consolidated contract state funds. Goals of the program are to prevent environmental exposure of Appleton's children. This is done through surveillance of blood lead levels, provision of lead poisoning prevention education to persons involved with children as well as with intervention and treatment of individuals with elevated blood levels. The ultimate goal is to provide primary prevention by offering information about lead poisoning to pregnant women and parents of infants and children under the age of six **before** the child is potentially exposed. Increasing community awareness of the lead problem to Appleton's children also supports this goal. This is a multidisciplinary project involving both health department nursing and environmental staff.

Services are provided to diverse populations using interpreters and culturally sensitive materials (as available in clients' primary language) when working with non-English speaking families. Collaborative efforts are made with a variety of agencies including but not limited to WIC (Women Infants and Children), other local health departments, schools, hospitals, primary care providers, daycares and Appleton's Community Development department. Mandatory reporting is required by all laboratories doing blood lead level testing and surveillance is done by local public health agencies. Outreach to families for all children with blood lead levels 5ug/dl or greater is provided.

Intervention efforts range from sending out information packets to families, education and assessment via a phone call and/or a home visit, to education and outreach efforts to community groups, attendance at community health fairs and distribution of relevant lead information on the department's web site, Facebook page, or other appropriate forms of media. Interagency collaboration continues with department participation in the Fox Valley Lead Coalition, the Fox Cities Housing Coalition and the Hmong/Hispanic Interagency Coalition.

Staff nurse Kathleen Sprangers, R.N. continues to be certified as a Lead Sampling Technician, which allows for dust wipe sampling, educating parents on the use of lead check swabs, and education on appropriate cleaning techniques. Cleaning kits continue to be provided at all home visits. Home visits include assessment of the child's environment identifying possible lead sources, as well as information on ways to reduce exposure. Written and electronic resources are shared as needed. For those children unable to be tested by a primary care provider, capillary blood lead testing can be offered by appointment at the Appleton Health Department, in the family's home or at monthly immunization clinics based on parent preference.

<b>Elevations (ug/dl)</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Venous Lead Levels >19 ug/dl	2	2	0	3	2	3
Venous Lead Levels 10-19 ug/dl	4	3	1	2	4	3
Capillary Lead Levels >10 ug/dl	10	11	8	5	3	0

## **High Risk Adult Health Program**

Services under this program focus on the promotion of positive health outcomes and the reduction of health risks associated with adults and older adults. These programs support the provision of quality health care, which spans the life cycle of young, middle-aged and older adults. Program activities include assessment, planning, advocacy, counseling, referral, education, emotional support, evaluation, clinic activities, and group education. Services are provided in the home, group homes and other settings throughout the community.

## **Public Health Nursing Caseload Data**

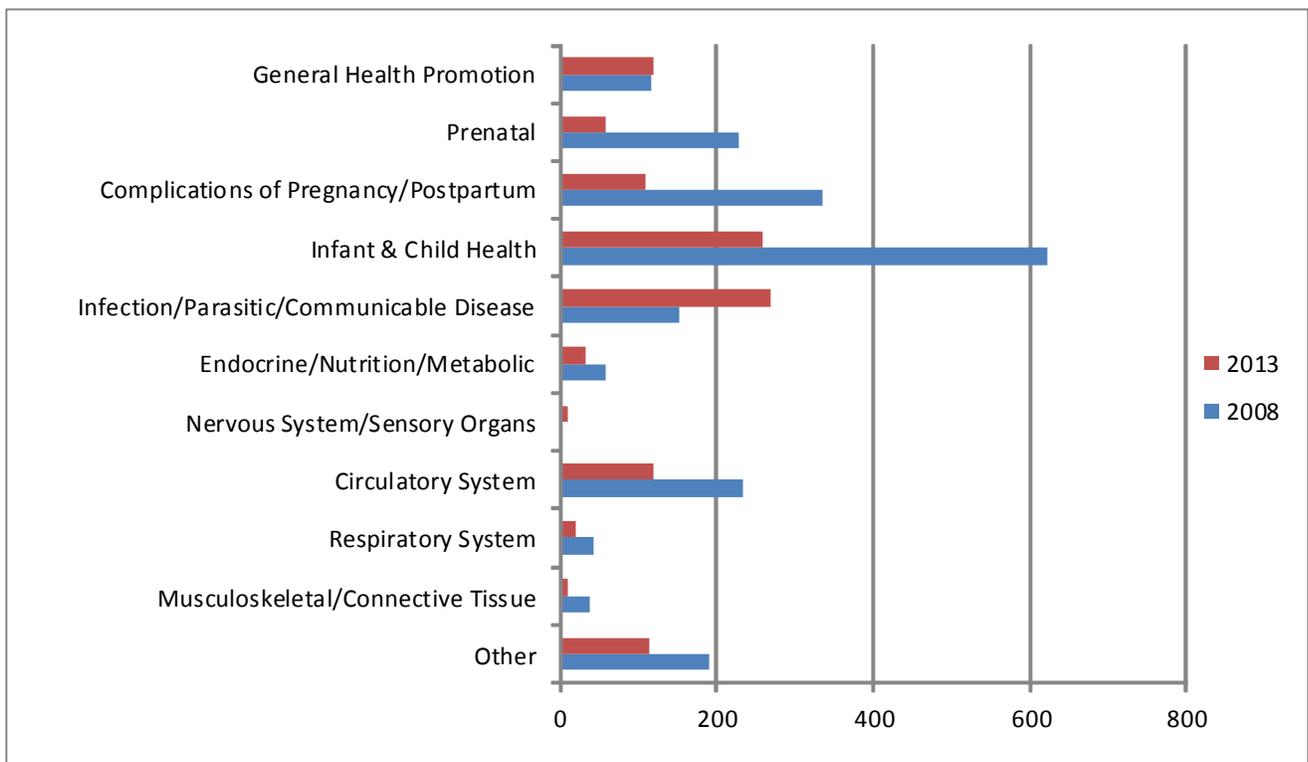
The Public Health Nursing (PHN) caseload consists of individuals and families with complex health problems. The Department received a total of 986 referrals in 2013. A total of 1,118 visits, including admissions, revisits and discharge visits, as well as phone consultations were made to these clients. This compares to 1,021 visits in 2012.

**Referrals:** Patient referrals come from a variety of sources including physicians, social services and home health care agencies. The following table shows types of referrals and referral rates per 1,000.

<b>Type of Referrals to Public Health Nurse</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Family	2	0	2	0	0	1
Maternal/Child (includes Birth Certificates)	1,080	974	1,009	955	1,015	966
Adult/Elderly	14	15	10	12	6	19
<b>Rate/1000</b>	<b>15.16</b>	<b>13.66</b>	<b>14.07</b>	<b>13.30</b>	<b>14.02</b>	<b>13.48</b>

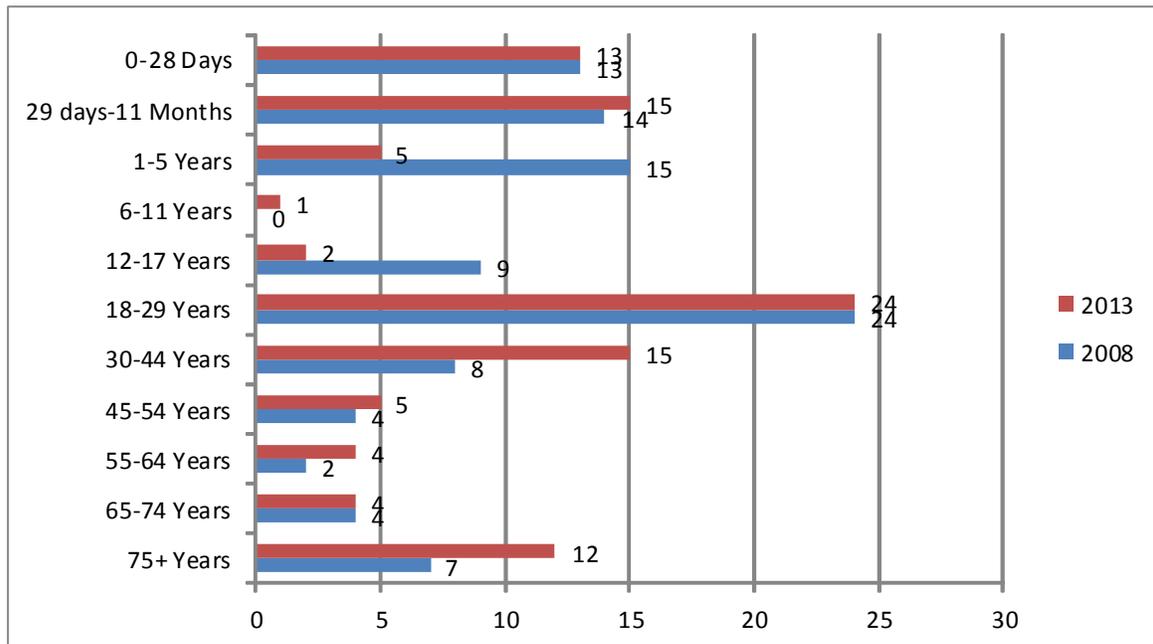
***Primary Problem Categories:*** The total Public Health Nursing caseload can be described by a primary category of service provision. Maternal Child Health cases include families with concerns related to childbearing, parenting, well child care, growth and development, family planning, child abuse and neglect, nutrition and other concerns important to the young family. Adult health cases primarily include adult families with concerns related to chronic disease prevention and health promotion.

***PUBLIC HEALTH NURSING CLIENTS BY PRIMARY PROBLEM***



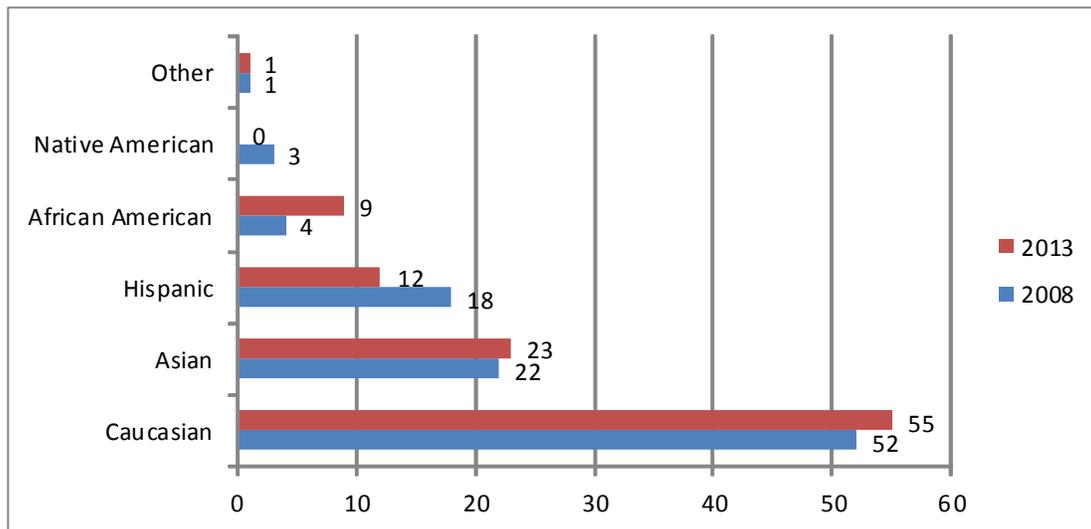
The following graphs describe the 2013 Public Health Nursing caseload by age and race/ethnicity.

### PUBLIC HEALTH NURSING CLIENTS BY AGE



Percent Caseload

### PUBLIC HEALTH NURSING CLIENTS BY RACE

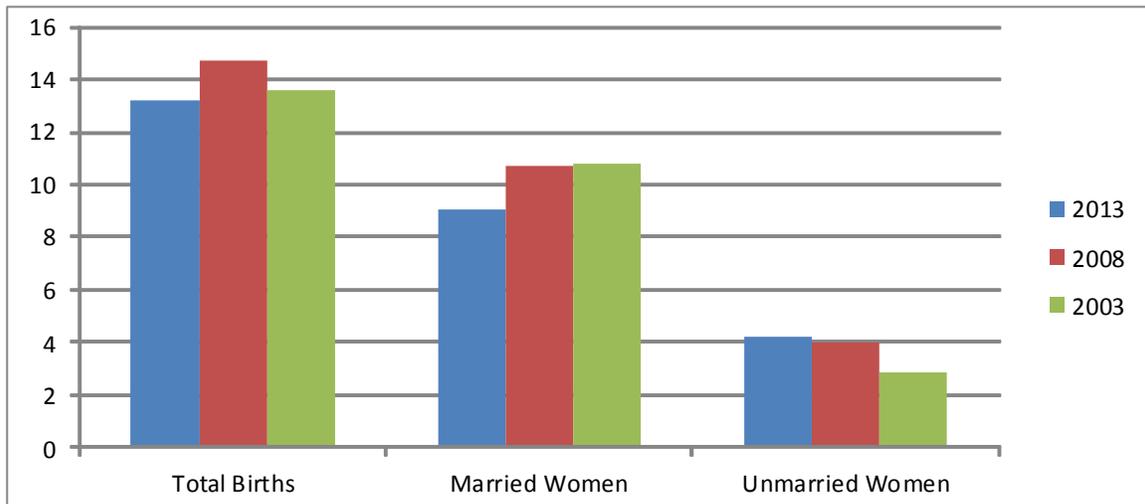


Percent Caseload

The Department is serving an ever increasingly diverse caseload of adults with chronic and communicable disease.

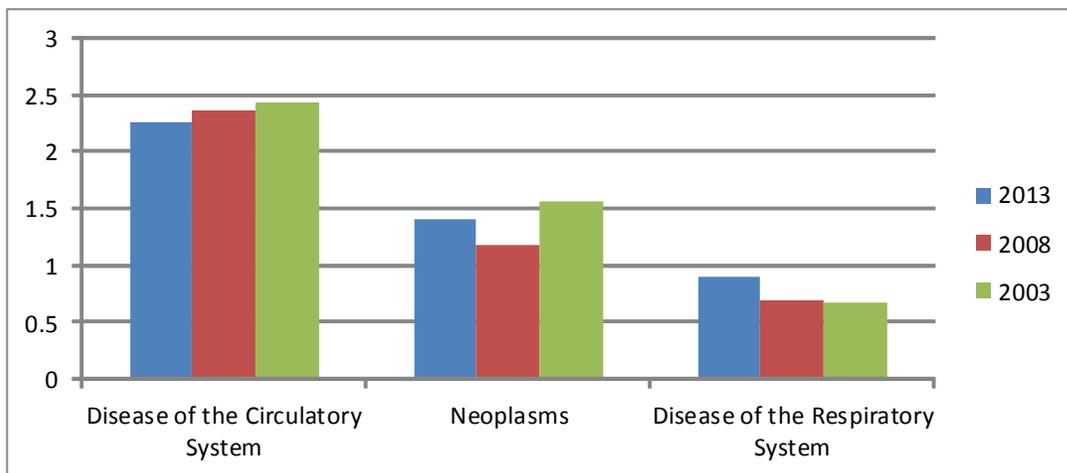
Vital statistics are maintained for monitoring the morbidity and mortality and as an aid in program planning. Appleton's population increased from 72,810 in 2012 to 73,150 in 2013. The crude birth rate per 1,000 population for the State in 2010 was 13.94. For the City of Appleton in 2011, it was 14.08. The graph below shows crude birth rates based on marital status comparing 2013, 2008, 2003.

**CRUDE BIRTH RATES BASED ON MARITAL STATUS**  
*(1000 x Number of Resident Live Births/Total Resident Population)*



\*Birth Data is Provisional

**CRUDE DEATH RATES FOR LEADING CAUSES OF DEATH**  
*(Rates per 1000 Resident Population)*



This graph shows three of the leading causes of death for Appleton residents; cardiovascular disease, cancers and diseases of the respiratory system. Tobacco use continues to be a major risk factor for the development of these diseases. See page 55 for charts showing death rates, data for all causes of deaths and deaths by age.

## **WEIGHTS AND MEASURES PROGRAM**

The Weights and Measures program regulates the purchase or sale of products or services sold by weight, measure or count to assure equity in the marketplace. With this program, the consumer can make buying decisions with a reasonable degree of confidence that accurate quantity will be received. All businesses can operate on a level playing field, knowing trade practice regulations are fairly monitored and uniformly enforced.

### **MAJOR PROGRAM DESCRIPTIONS AND STATISTICS**

***Weights and Measures Device Licensing***—All scales, pump meters, linear devices, and price scanners used in buying and selling within the City are licensed annually.

***Weights and Measures Device Inspection***—All weighing and measuring equipment used by businesses are inspected regularly to ensure accuracy and conformance with all National Institute of Standards and Technology (NIST) specifications and tolerances.

***Monitoring and Sampling Commercial Transactions***—To ensure that weighing and measuring equipment is used accurately, check weighing and measuring of prepackaged products and over-the-counter sales are conducted on an unannounced basis.

***Product Labeling Enforcement and Consultation***—Prepackaged consumer products are inspected for required labeling to ensure consumers receive proper information to make a valid buying decision. Bulk dispenser signage is also regulated in this fashion. Federal and State labeling rules and standards are enforced.

***Product Scanning and Price Verifications***—Routine unannounced scanning tests are conducted to maintain pricing accuracy where UPC bar code scanners are used at retail checkout counters. The scanning device itself, signage and price programming are all evaluated for consistency. Compliance results have greatly improved under this comprehensive program. In 1994, the first year scanning statistics were separated from general commodity inspection, 10.7% of scanning samples reflected price errors. In 2013, there was a 2.1% error rate, due to regular inspection and after assisting business operators to develop good price control practices.

***Assistance to other City Departments***—Assistance is provided to other City departments. For example, within the Department of Public Works, we are consulted on issues concerning inspections, testing and repair of weights and measures devices and also perform the Fire and Police Departments scale tests.

***Agent of City Clerk on Temporary and Irregular Business License***—The City Sealer serves as field agent for the City Clerk's office in making determinations on sellers to be licensed. Licenses involved are Commercial Solicitor, Secondhand Dealer, Salvage Dealer, Close-out Business, Termination Sales and Taxi Cab/Limousine Service

**WEIGHTS AND MEASURES INSPECTIONS BY  
ESTABLISHMENT TYPE AND YEAR**

ESTABLISHMENT TYPE	2011	2012	2013
Food and Convenience Stores	141	179	166
Restaurants	27	37	41
Bakery and Candy Stores	8	14	8
Dairy Plants and Stores	5	7	8
Drug Stores	12	19	20
Hardware Stores	18	28	26
Variety and Department Stores	87	99	94
Gas and Service Stations	35	30	35
Salvage Dealers and Recyclers	8	8	8
Pet Shops and Garden Centers	8	14	12
Industrial Manufacturing Plants	11	11	14
Concrete-Asphalt Plants and Road Materials	19	19	15
Transient Merchants (markets; product; seafood)	189	201	205
Package Shipping and Freight	14	14	14
Service Laundries and Dry Cleaners	2	1	2
Government Agencies	14	14	14
Solicitors and Door to Door Merchants	137	40	77
Close-out Business and Termination Sales	3	1	4
Second Hand Dealers	45	28	43
Laundromats, Car Washes, and other Timing Devices	5	5	4
Miscellaneous	3	3	5
Mobile Petroleum Dealers	39	36	30
Airports and Marinas	0	0	0
<b>TOTAL</b>	<b>830</b>	<b>808</b>	<b>845</b>

**DEVICES TESTED BY TYPE, YEAR AND PERCENT  
OUT OF COMPLIANCE**

<b>TYPE OF DEVICE (% OF NONCOMPLIANT)</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Scales and Balances	568 (4.9%)	614 (4.4%)	553 (3.1%)
Measures (Include Gas Pumps & Fuel Oil Truck Meters)	1,035 (3.9%)	1,034 (3.0%)	1,051 (3.2%)
Weights	64 (0%)	81 (0%)	44 (0%)
<b>TOTAL</b>	<b>1,666</b>	<b>1,729</b>	<b>1,648</b>

**RESULTS OF PACKAGED COMMODITIES TESTED BY YEAR**

<b>PACKAGED COMMODITIES TESTED</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Total Units of Product Investigated	78,361	69,312	84,230
Random Sample Size	12,178	11,936	12,863
Total Products/Units Found Short Weight (% short)	1,432 (1.8%)	957 (1.4%)	2,169 (2.6%)
Total Products/Units Found Mislabeled (% mislabeled)	4,230 (5.4%)	4,532 (6.5%)	6,189 (7.3%)

## **PRICE SCANNING INSPECTIONS**

<b>PRICE SCANNING INSPECTIONS</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Number of Inspections	123	143	147	148	129
Number of Items Scanned	3,836	4,386	4,566	4,796	4,152
Pricing Errors Found	130 (3.4%)	177 (4%)	140 (3.1%)	208 (4.5%)	88 (2.1%)

## **CONSUMER COMPLAINTS BY TYPE AND YEAR**

<b>Type of Complaint</b>	<b>Number Re-ceived 2011</b>	<b>Number With Viola-tions 2011</b>	<b>Number Re-ceived 2012</b>	<b>Number With Viola-tions 2012</b>	<b>Number Received 2013</b>	<b>Number With Viola-tions 2013</b>
Foods	1	0	1	1	1	1
Liquid Foods	0	0	0	0	0	0
Non-Food Products	0	0	0	0	0	0
Heating Oil and LP Gas	0	0	0	0	0	0
Firewood	0	0	0	0	0	0
Gas Stations-Pumps	8	4	1	0	9	2
Gas Stations-Service Console	0	0	0	0	0	0
Gas Stations-Price Signage	0	0	2	0	1	0
Gas Stations-Gasoline Quality	2	2	0	0	1	0
Scales-Scrap Metal	0	0	0	0	0	0
Scales-Food	0	0	0	0	0	0
Scales-Other	0	0	0	0	0	0
Scanning	3	1	2	1	1	0
Trade Practices	2	2	1	0	5	2
Advertising	3	1	1	0	5	3
Going out of Business	0	0	0	0	0	0
Temporary Sales	1	1	0	0	0	0
Miscellaneous	1	1	1	0	3	3
<b>Total</b>	<b>21</b>	<b>12</b>	<b>9</b>	<b>2</b>	<b>26</b>	<b>11</b>

## ***ENVIRONMENTAL HEALTH PROGRAMS***

Many environmental factors can influence the health of the community. The Department is involved in a variety of activities aimed at minimizing the exposure to environmental hazards and reducing the incidence of public health nuisances. Local ordinances set forth policies on solid waste, noise, housing and rodent control, which are enforced by the Department. This is usually in response to citizen complaints. Another component of protecting the community environment involves monitoring various environmental hazards, which pose a potential threat to citizens. In addition to the testing and monitoring conducted, the Department provides education and referral services on numerous topics.

### **PROGRAM DESCRIPTIONS AND STATISTICS**

***Housing Sanitation***—Housing sanitation inspections are conducted on a complaint basis. Complaints of unsanitary conditions and concerns about mold in the home are received from citizens, police, fire, inspections division of Public Works and county Human Services. There were 45 housing sanitation contacts, including consultations, complaints and follow-up inspections conducted in 2013. This represents 9.5% of non-establishment related Environmental Health program contacts in 2013.

***Solid Waste***—Solid waste complaints such as garbage/rubbish nuisance concerns are received from a variety of sources. Not only are nuisances of this nature unsightly for neighborhoods, but also failure to comply with sanitation regulations can often lead to greater public health concerns such as rodent, insect and nuisance bird attraction. The total number of contacts was 35, representing 7.4% of contacts in 2013.

***Rodent Control***—The control of rats in the community is maintained by combining Municipal Code enforcement of commercial properties with a baiting program of exterior residential property and sewers. The Environmentalists are certified pest control operators and licensed to handle baits specific for this purpose. There were 9 contacts related to rodent control in 2013.

***General Environmental***—*Environmental problems such as those listed on the following chart are dealt with on a complaint basis. Investigations and/or referrals to other agencies are performed depending upon the nature of the concern.*

<b>ENVIRONMENTAL CONSULTATIONS AND COMPLAINTS RECEIVED</b>				
<b>Nature of Contact</b>	<b>Number of Consultations</b>		<b>Number of Complaints</b>	
	<b>2008</b>	<b>2013</b>	<b>2008</b>	<b>2013</b>
Community Water Supply	0	1	1	0
School/Day Care	4	8	0	0
Surface Water Pollution	3	1	1	0
Animal Nuisances	9	20	2	2
Rabies Control	44	27	1	0
Insect Control	18	31	6	13
Rodent Control	12	5	9	3
Hazardous Substance Control	12	19	1	3
Air Pollution-Indoor (Mold)	35	42	31	29
Air Pollution-Outdoor	7	7	2	2
Noise	23	13	2	9
Radon	6	10	0	0
Garbage/Rubbish Nuisance	17	8	54	13
Private Residence/Housing	59	26	77	13
Lead	15	7	4	0
Other Programs	N/A	26	N/A	0
Other Business	N/A	43	N/A	1
<b>Total</b>	<b>264</b>	<b>294</b>	<b>191</b>	<b>88</b>

## **COMMUNITY INVOLVEMENT**

Health Department staff members recognize their role as a collaborative one within the community. As such, staff participate in a variety of community and professional activities including:

Activate Fox Cities	Healthy Infant & Child Alliance
Adolescent Parent/Pregnancy Program	Hispanic Interagency
American Public Health Association	Hmong American Partnership Interagency Committee
Breastfeeding Coalition	Mental Health Network
CHAT Community Health Action Team	National Conference of Weights & Measures
Community Early Learning Center Planning/Implementation Team	Northeast Region Nursing Supervisors Group
Cuidate Latino Teen Pregnancy Prevention Program	Northeast Wisconsin Health Care Forum
Department of Trade and Consumer Protection Policies and Procedures Committee	Northeast Wisconsin Immunization Coalition (NEWIC)
Early Childhood Coalition	Northeast Wisconsin Public Health Preparedness Partnership
Emergency Operation Plan Core Team Committee	OB/Unit/Local Health Department Coordination Committee
Family Services Inc. Board	OctoberFest Logistics Committee
Fox Cities Community Council	Outagamie County Child Death Review Team
Fox Cities Housing Coalition	Outagamie County Elder Abuse Interdisciplinary Committee
Fox Cities Kiwanis	Prenatal Care Coordinators
Fox Cities/Oshkosh Bike and Pedestrian Steering Committee	Project Promise (Poverty Coalition)
Fox Valley Community Health Improvement Coalition	St. Elizabeth Infection Control
Fox Valley Lead Task Force	Secure Public Health Electronic Record Environment (SPHERE) Lead Team
Fox Valley Regional Health Coalition	Temporary Food Task Force
Fox Valley Safe Kids	Theda Care at Home Professional Advisory Board

**COMMUNITY INVOLVEMENT  
CONTINUED**

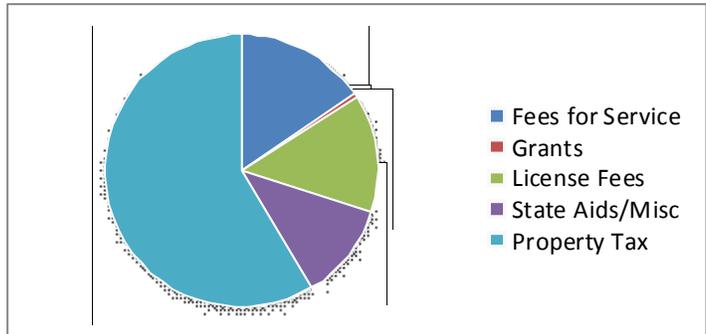
Head Start Advisory Committee	ThedaCare Infection Control
Health Smart Team	UW Northeastern Regional Research Council (ICTR)
Hispanic Pregnancy Prevention Work Team	Wisconsin City Caucus of Weights and Measures Officials
UW Population Health Institute Advisory Board	Wisconsin Department of Agriculture, Trade and Consumer Protection, Weights and Measures WinWam Software Committee
Weight of the Fox Valley	Wisconsin Health Education Network
Wisconsin Association of Local Health Departments and Boards	Wisconsin Nutrition Advisory Education Program
WI Association of Local Health Departments & Boards-Environmental Health Section	

APPENDIX

**BUDGET INFORMATION**

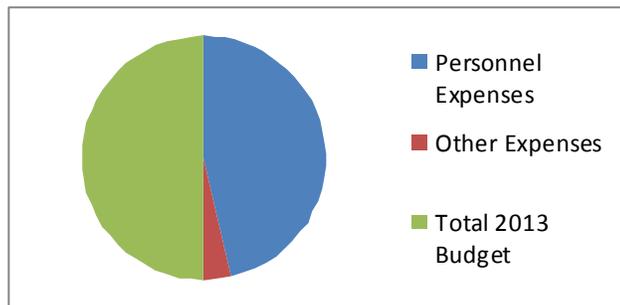
Fees for Service- \$204,079 (15.4%)  
Grants- \$8,093 (.6%)  
License Fees- \$183,090 (13.9%)  
State Aids/Misc- \$150,997 (11.4%)  
+ Property Tax- \$775,332 (58.7%)

**2013 ACTUAL FUNDING SOURCE**



Personnel Expenses- \$1,224,572 (92.7%)  
Other Expenses- \$97,019 (7.3%)  
Total 2013 Budget- \$1,321,591

**2013 ACTUAL EXPENSES**



## **COMMUNICABLE DISEASE DATA**

*(Rates per 1000 Resident Population)*

Gastroenteric Disease	2003		2008		2013	
	Number	Rate	Number	Rate	Number	Rate
Amebiasis	0	0	0	0	0	0
Campylobacter*	16	.22	10	.14	12	.16
Cryptosporidiosis*	3	.04	10	.14	12	.16
E. Coli	3	.04	0	0	3	.04
Giardiasis	15	.20	7	.09	8	.11
Listeriosis	0	0	0	0	0	0
Salmonellosis	14	.19	5	.07	5	.07
Shigellosis	0	0	2	.03	0	0
Yersinia	0	0	1	.01	0	0

\*Became reportable to local health departments in 2000

Sexually Transmitted Disease	2003		2008		2013	
	Number	Rate	Number	Rate	Number	Rate
AIDS*	2	.03	0	0	2	.03
Chlamydia*	129	1.8	189	2.61	277	3.79
Gonorrhea	28	.39	64	.89	30	.41
Herpes**	43	.6	5**	.07	N/A	N/A
Syphilis	1	.01	0	0	2	.03
Partner Referral Program***	4	.05	0	0	1	.01
Other STD	0	0	0	0	0	0

\*Became reportable to local health departments in 1994

\*\*Became reportable to local health departments in 1995, no longer reportable in 2010

\*\*\*Program started in 1995

Miscellaneous Diseases	2003		2008		2013	
	Number	Rate	Number	Rate	Number	Rate
Blastomycosis	2	.03	0	0	0	0
Ehrlichiosis/Anaplasmosis	1	.01	0	0	5	.07
Haemophilis Influenza	0	0	0	0	1	.01
Hepatitis A	2	.03	6	.08	0	0
Hepatitis B	0	0	0	0	3	.04
Hepatitis C	29	.40	10	.14	27	.37
Histoplasmosis	0	0	0	0	0	0
Hospitalized Influenza**	NA	NA	NA	NA	22	.30
Lead Toxicity*	1	.01	0	0	0	0
Legionellosis	0	0	0	0	1	.01
Leprosy	0	0	0	0	0	0
Lyme Disease	2	.03	14	.19	11	.15
Malaria	0	0	0	0	0	0
Meningitis-Bacterial	1	.01	1	.01	0	0
Rheumatic Fever	0	0	0	0	0	0
Streptococcus Pneumoniae	5	.07	7	.10	2	.03
Invasive Group A Strep	0	0	0	0	3	.04
Invasive Group B Strep	1	.01	0	0	11	.15
Toxic Shock Syndrome	0	0	0	0	0	0
TB-Mycobacterium	0	0	0	0	1	.01
TB-Atypical	5	.07	5	.07	15	.21
Typhoid	0	0	0	0	0	0

\*Reflects cases of adult lead toxicity only. Children are listed in the table in the body of this report under the Childhood Poisoning Prevention Program.

\*\*Hospitalized Influenza became reportable in 2010.

Vaccine Preventable Disease	2003		2008		2013	
	Number	Rate	Number	Rate	Number	Rate
Chickenpox (Varicella)*	0	0	11	.15	12	.16
Measles	0	0	0	0	0	0
Pertussis	12	.17	18	.25	22	.30
Mumps	N/A	N/A	0	0	0	0

\*Varicella vaccine became available in 1998 and reportable in April 2008.

## **STATE LABORATORY OF HYGIENE FEE FREE TESTING**

The Wisconsin State Laboratory of Hygiene provides sample analysis for selected investigations that deal with communicable disease investigations where insurance or other payer sources are not available. The service has been in existence for many years. The following chart shows the type and number of samples analyzed for the Health Department in 2013. The total cost of these analyses would be \$3,241 if they were not fee free.

<b>TYPE OF ANALYSIS</b>	<b>NUMBER OF SAMPLES</b>
Mycobacteriology	26
Salmonella	0
VDRL	0
Rabies	8
N Meningitis	0
Chlamydia/N Gonorrhea	0
Ova Parasites/Cryptosporidiosis/Giardia	0
Outbreak Stool Cultures	2
Blood Lead-Capillary	0
Blood Lead-Venous	0
HIV 1/HIV 2	0
Norovirus PCR	12
Influenza A & B	0
Liver Function (AST, ACT)	0
Measles	0
Rubella	0
Mumps virus PCR	0
Hepatitis C	0
Hepatitis B Serodiganosis	2
Hepatitis A	0
E. Coli 0157:H7	0
Respiratory virus PCR	0
Clostridium Perfringens Stool	0
Campylobacter	0

## PUBLIC HEALTH NURSING CASELOAD

<b>CLIENTS ADMITTED BY PRIMARY PROBLEM</b>	<b>2003</b>	<b>2008</b>	<b>2013</b>
General Health Promotion	12	11	19
Prenatal	74	60	12
Complications of Pregnancy/Postpartum	62	51	26
Infant/Child Health	138	124	51
Infection/Parasitic/Communicable Disease	85	31	16
Endocrine/Nutrition/Metabolic	23	8	4
Nervous System/Sensory Organs	1	0	1
Circulatory System	67	25	10
Respiratory System	11	5	4
Musculoskeletal/Connective Tissue	15	7	3
Other	31	61	11
<b>Total</b>	<b>519</b>	<b>383</b>	<b>157</b>
<b>CLIENT HOME VISITS</b>	<b>2003</b>	<b>2008</b>	<b>2013</b>
Telephone/ Home Visits	3133	2021	1118
<b>CLIENTS ADMITTED BY AGE</b>	<b>2003</b>	<b>2008</b>	<b>2013</b>
0-28 Days	46	50	20
29 Days-11 Months	53	53	23
1-5 Years	31	57	8
6-11 Years	5	0	2
12-17 Years	46	33	3
18-29 Years	117	92	38
30-44 Years	71	32	23
45-54 Years	26	14	8
55-64 Years	17	10	7
65-74 Years	14	15	7
75+ Years	93	27	18
<b>Total</b>	<b>519</b>	<b>383</b>	<b>157</b>
<b>CLIENTS ADMITTED BY RACE</b>	<b>2003</b>	<b>2008</b>	<b>2013</b>
Caucasian	300	200	87
African American	12	14	14
Native American	2	10	0
Hispanic	61	70	19
Asian	133	87	36
Other	11	2	1
<b>Total</b>	<b>519</b>	<b>383</b>	<b>157</b>
<b>CLIENTS ADMITTED BY GENDER</b>	<b>2003</b>	<b>2008</b>	<b>2013</b>
Male	159	122	44
Female	360	261	113

## VITAL BIRTH STATISTICS

(Crude Live Birth Rates=1000 x # of Resident Live Births/Total Resident Population)

Appleton Population 2003 = 71,649

Appleton Population 2013= 73,150

Appleton Population 2008= 72,297

Crude Birth Rate for State 2008=12.7

\*Provisional data from WI Vital Records Office, Aggregate Birth Report 2013

Birth Data	2003		2008		2013	
	Number	Rate	Number	Rate	Number	Rate
Total Birth Rate	976	13.62	1,065	14.74	967	13.22
Births to Married Women	773	10.79	775	10.72	661	9.03
Births to Unmarried Women	203	2.83	290	4.01	306	4.18
Total Births to Women <18 Yrs	21	.29	27	.37	13	.18
Unmarried <18 Yrs	12	.17	21	.29	11	.15
Unmarried 18-29 Yrs	159	2.22	219	3.03	226	3.09
Unmarried 30-40 Yrs	31	.43	46	.64	63	.86
Unmarried >40 Yrs	1	.01	4	.06	6	.08

Age of Mother	Birth Count	Percent
15-17 years	13	1.34%
18-19 years	31	3.21%
20-24 years	180	18.61%
25-29 years	322	33.40%
30-34 years	286	29.58%
35-39 years	114	11.79%
40-44 years	18	1.86%
45+ years	2	.21%
<b>Total</b>	<b>967</b>	<b>100.00%</b>

Race/Ethnicity of Mother	Birth Count	Percent
White (Non-Hispanic)	781	80.77%
Black (Non-Hispanic)	22	2.28%
American Indian (Non-Hispanic)	14	1.45%
Hispanic	64	6.62%
Laotian/Hmong (Non-Hispanic)	86	8.89%
Other (Non-Hispanic)	0	0
Missing/Unknown	0	0
<b>Total</b>	<b>967</b>	<b>100.00%</b>

## **VITAL BIRTH STATISTICS**

\*Provisional data from WI Vital Records Office  
Aggregate Birth Report 2013

<b>Education of Mother</b>	<b>Birth Count</b>	<b>Percent</b>
None	0	0
Elementary	24	2.48%
Some High School	63	6.51%
High School Graduate	272	28.13%
Some College	279	28.85%
College Graduate	327	33.82%
Missing/Unknown	2	.21%
<b>Total</b>	<b>967</b>	<b>100.00%</b>

<b>Birthweight</b>	<b>Birth Count</b>	<b>Percent</b>
< 1,000 grams	10	1.03%
1,000-1,499 grams	6	.62%
1,500-2,499 grams	60	6.20%
2,500-3,999 grams	802	82.94%
4,000 + grams	89	9.20%
<b>Total</b>	<b>967</b>	<b>100.00%</b>

<b>Low Birth weight</b>	<b>Birth Count</b>	<b>Percent</b>
< 2,500 grams	76	7.86%
2,500 + grams	891	92.14%
<b>Total</b>	<b>967</b>	<b>100.00%</b>

## VITAL BIRTH STATISTICS

\*Provisional data from WI Vital Records Office  
Aggregate Birth Report 2013

Mother Smoked During Pregnancy	Birth Count	Percent
No	767	79.32%
Yes	199	.20.58%
Missing/Unknown	1	.10%
<b>Total</b>	<b>967</b>	<b>100%</b>

Mother Smoked During Pregnancy	No		Yes		Missing/Unknown		Total	
	Birth	Percent	Birth	Percent	Birth	Percent	Birth	Percent
< 1,000 grams	8	1.04%	2	1.01%	0	0%	10	1.03%
1,000-1,499 grams	6	.78%	0	0%	0	0%	6	.62%
1,500-2,499 grams	44	5.74%	16	8.04%	0	0%	60	6.20%
2,500-3,999 grams	636	82.92%	165	82.91%	1	100%	802	82.94%
4,000 + grams	73	9.52%	16	8.04%	0	0%	89	9.20%
<b>Total</b>	<b>767</b>	<b>100%</b>	<b>199</b>	<b>100%</b>	<b>1</b>	<b>100%</b>	<b>967</b>	<b>100%</b>

Prematurity	Birth Count	Percent
Full Term (37+ weeks)	859	88.83%
Premature (<37 weeks)	108	11.17%
<b>Total</b>	<b>967</b>	<b>100%</b>

## **DEATH DATA**

(Crude Death Rate=1,000 x # Deaths/Total Resident Population)

Crude Death Rate for State 2010=8.3

Age	2003		2008		2013	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year	4	.06	8	.11	5	.07
1 Year to 10 Years	1	.01	0	0	0	0
11 Years to 20 Years	8	.11	3	.04	0	0
21 Years to 30 Years	3	.04	1	.01	4	.55
31 Years to 40 Years	8	.11	4	.06	11	.15
41 Years to 50 Years	15	.20	15	.21	17	.23
51 Years to 60 Years	36	.50	30	.41	51	.70
61 Years to 70 Years	51	.71	49	.68	75	1.03
71 Years to 80 Years	95	1.33	93	1.29	78	1.07
81 Years to 90 Years	144	2.0	151	2.09	164	2.24
91 Years to 100 Years	78	1.08	68	.94	78	1.07
Over 100 Years	3	.04	7	.10	4	.55

## **DEATH DATA**

<b>Causes of Death</b>	<b>2003</b>		<b>2008</b>		<b>2013</b>	
	<b>Number</b>	<b>Rate</b>	<b>Number</b>	<b>Rate</b>	<b>Number</b>	<b>Rate</b>
AIDS	0	0	0	0	0	0
Accidental Death	11	.15	11	.15	14	.19
Congenital Anomalies	0	0	1	.01	0	0
Complications of Pregnancy	0	0	0	0	1	.01
Condition Originating in Perinatal Period	0	0	0	0	2	.03
Disease of Blood/Blood Forming Organs	0	0	0	0	1	.01
Disease of Circulatory System	175	2.44	171	2.37	165	2.26
Disease of Digestive System	14	.20	8	.11	17	.23
Disease of Genitourinary System	19	.27	20	.28	16	.22
Disease of Musculoskeletal System/ Connective Tissue	2	.03	0	0	1	.01
Disease of Nervous System	20	.28	11	.15	21	.29
Disease of Respiratory System	48	.67	49	.68	65	.89
Endocrine, Nutritional and Metabolic Disease	3	.04	5	.07	8	.11
Homicides	0	0	0	0	0	0
Infectious and Parasitic Disease	8	.11	11	.15	16	.22
Mental Disorder	2	.03	0	0	4	.05
Neoplasm	112	1.56	84	1.17	102	1.40
Suicide	8	.11	4	.06	10	.14
Symptoms, Signs and Ill-Defined Conditions	24	.33	54	.75	44	.60