



MESSAGE FROM THE DIRECTOR

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 health strategy.

As you will see in this overview of our services, public health encompasses a broad spectrum of issues that greatly impact every aspect of our daily lives. From ensuring the food you get at a local restaurant doesn't make you sick and the water at your favorite pool is safe for swimming, to improving access to health care and controlling infectious disease, to assuring that you receive a full measure of gasoline at the pump, public health is vital to our community.

Looking back on 2012, we are proud of the work we have accomplished: responding to a pertussis outbreak with caseloads not seen in more than 50 years; an active TB case resulting in nearly 300 students and faculty screened by our public health nurses; and preparing for emerging pathogens.

We are pleased to provide you with this City of Appleton Health Department 2012 Annual Report which highlights how our everyday efforts, along with our collaborating partners make Appleton a healthier place to live. We hope you find this information helpful and that you contact us with any questions or to learn even more about our services.

Respectfully yours,

Kurt D. Eggebrecht
Health Officer
City of Appleton



Public Health
Prevent. Promote. Protect.

Index

PRELIMINARIES

Mission and Belief Statements	3
Table of Organization	4
Roster	5
Board of Health	6

THE DEPARTMENT

Highlights of 2012	7
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PREVENTING DISEASE

Communicable Disease Program.....	27
Clinical Disease Services	27
Communicable Disease Investigation, Prevention and Control	28
Wisconsin Partner Services (PS)	28
Sexually Transmitted Disease Contracted Services	29
Foodborne Outbreak Illness Investigation.....	29
State Laboratory of Hygiene Testing Services	29
Occupational Health	29
Environmental Control.....	29
Regulatory Descriptions and Statistics.....	30

PROMOTING HEALTH

Maternal/Child Health (MCH)	32
Childhood Lead Poisoning Prevention Program	32
High Risk Adult Health Program.....	34
Public Health Nursing Caseload Data	34

PROTECTING THE CONSUMER

Weights and Measures Program.....	38
-----------------------------------	----

PROTECTING THE ENVIRONMENT

Environmental Health Programs	42
Community Involvement.....	44

APPENDICES

Budget Information	45
Communicable Disease Data	46
State Laboratory of Hygiene Fee-Free Testing	48
Public Health Nursing Caseload.....	49
Vital Birth Statistics.....	50
Vital Death Statistics	53

Note: This document not only represents the activities of the Appleton Health Department for 2012, but also provides trend data comparisons for selected activities. The data for 2012 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

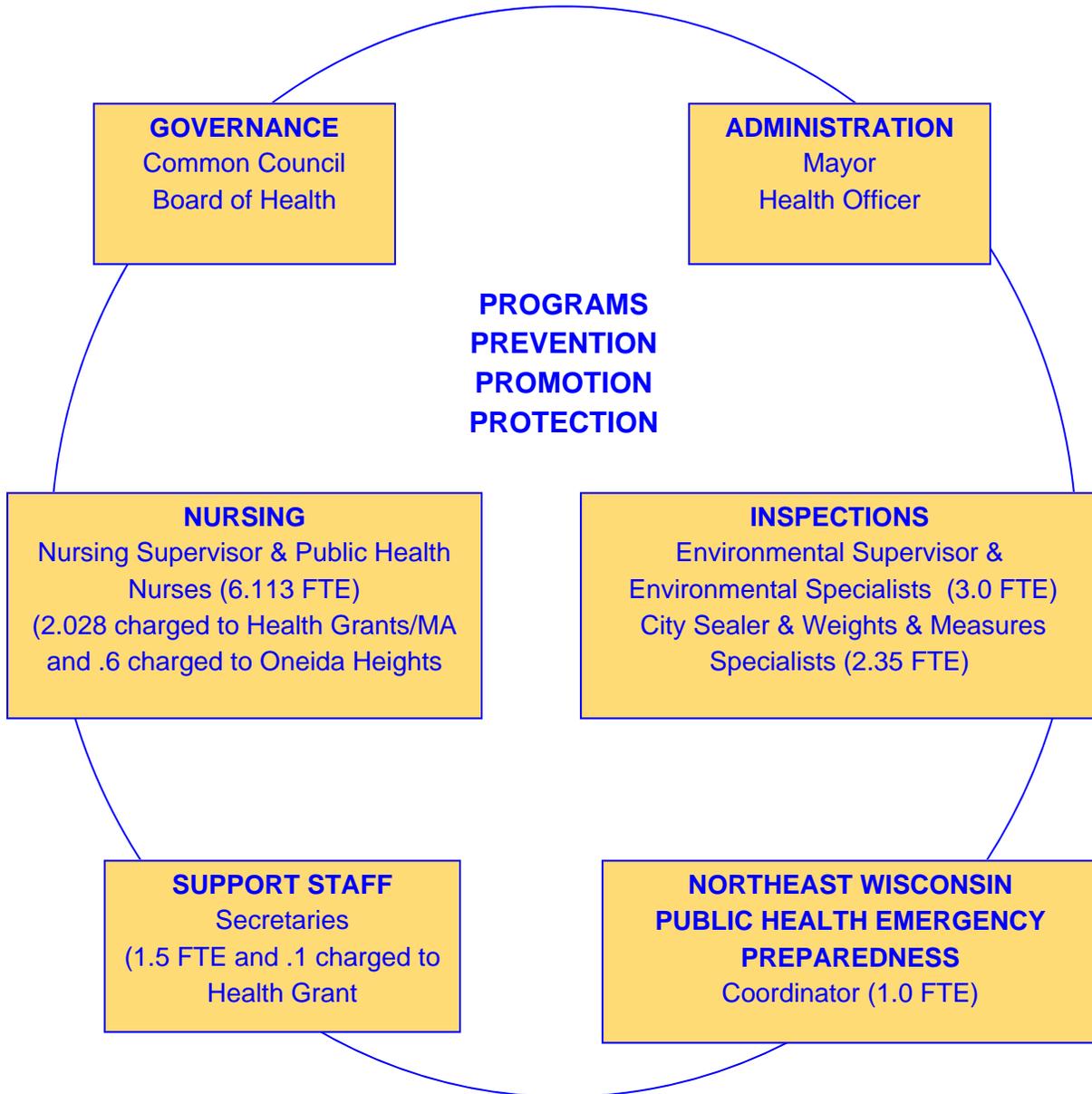
MISSION AND BELIEF STATEMENTS

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.	Vacant

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

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	

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.



Cathy Spears
Aldersperson

HIGHLIGHTS OF 2012

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

This year the department ordered a restaurant (China Buffet at 982 W Northland Avenue) temporarily closed due to unsanitary conditions existing in the establishment. A considerable amount of time was spent by the Health Inspectors assisting the restaurant to gain compliance with health code requirements. The establishment was closed for two days before the temporary closure order was lifted. A stepped up inspection cycle was implemented to assure compliance was maintained.

In January, the Health Inspectors collected honey samples at retail stores at the request of the Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP). The purpose of the sampling was to test for the presence of antibiotics in honey.

March 1st a routine inspection of a local retail store (Arora Oil Mobil 1200 W. Wisconsin Avenue) by James Richter, Weights and Measures Specialist, detected major violations during the routine inspection which revealed 8 pricing errors (5 overcharges) in a 25 item sample. As the National Price Verification Code tolerance is + or – 2%, the 32% overall error rate found in this inspection is a violation, and indicated problems with the store’s price control system. A warning letter was sent and a re-inspection was conducted on April 4th. Tests revealed three pricing errors (2 overcharges) in a 25 item sample. The 12% overall error rate found in this inspection was a violation. A second warning letter was sent and a re-inspection was conducted where they came back into compliance.

Three pricing errors were discovered June 7th during a routine inspection of another local convenience store (Citgo Station located at 1601 North Richmond Street). On July 11th, during a re-inspection four pricing errors (1 overcharge) in a 25 item sample were found. The 16% overall error rate found in this inspection indicated problems with the store’s price control system. A warning letter was sent and a re-inspection was conducted in August. At the August inspection more errors were found but this time they were undercharges. The re-inspection in September resulted in no errors and compliance was gained.

On August 1st, Weights and Measures staff inspected the Festival Foods Farm Market. Twenty-nine vendors were inspected with eight found to have minor

labeling violations. The management staff at Festival Foods was more involved with the Market this year resulting in a notable improvement.

Weights and Measures staff also inspected the Appleton Downtown, Inc. Farm Market on August 4th. Of the 143 vendors inspected, there were seven vendors without either the correct signage or labeling issues. One vendor was found using an illegal scale which was immediately removed from use. The overall compliance was good. Weights and Measures staff met with all vendors in May and provided information regarding recent changes in policies as well as going over rules.

The meeting which is mandatory provides a great foundation for high compliance throughout the Farm Markets summer duration and provides a convenient opportunity to have their scales tested.



On August 6th a consumer complaint was received regarding the sale of dog food at Walmart located at 3701 E Calumet Street. The complainant bought a bag of Purina Dog Chow with a shelf marking of \$12.24 for a 20 lb bag. However, the bags were labeled as 18.5 lbs and not the shelf label of 20 lbs. The complainant was owed \$2.45 for the difference in the loss of weight 1.5 lbs. City Sealer Maggio went to Walmart and spoke with store management about the inaccurate labels. The store management fixed the shelf label and refunded the difference to the complainant and then doubled it on a Walmart gift card. The complainant was pleased with the results.

Our Environmental Health State license year runs from July 1st through June 30th. Establishments that have not paid their license renewal fees on or before June 30th are subject to a late fee of \$87.00. This year, 22 establishments were required to pay the late fee. The municipal ordinance also states "Establishments operating on July 15th without a proper license shall be ordered closed by the Health Officer." The owner of Bangkok Oriental Foods, 706 E. Wisconsin Avenue, was issued a Health Department citation for operating without a retail food establishment license. He had not paid for his renewal and was ordered to close until he renewed the license. He continued to operate without a license, resulting in the citation. He pleaded no contest to this violation and was ordered to pay the fine of \$263.50. The renewal license fee was also paid.

“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 the department responded to an active TB case in a student who attended Appleton North High School. Staff worked closely with the Appleton Area School District for several months. The nursing staff provided on site TB skin testing for approximately 300 students and staff at the school in March and repeated the same cohort in April to assure no new cases of TB resulted from exposure. The results of this testing determined that no additional testing was required at the school site beyond the students and faculty already screened. Final test results were communicated to the parents and staff of the school as well as the community at large via the school website and local media. To assure the general public, Health Officer Eggebrecht educated the community by providing accurate information via *Post Crescent*, WHBY radio and TV stations 2, 5, 11 and 26. Explaining the difference between active and latent TB was important to gain TB testing compliance and to alleviate concerns of parents and the community.

In 2012 we saw an increase in the number of consultations regarding bed bugs in residences, both owner-occupied and rental. Although they do not transmit disease, bed bugs are a nuisance insect that is extremely difficult to control without the assistance of a pest control professional. Based on the number of requests, the Health Department website was enhanced to add links to several informational bed bug sources.



City Public Health Environmentalists Michelle Roberts and Steve Kihl conducted nine food stand inspections at the annual Art in the Park event held on July 29th. No major issues were found during the inspections.

As part of our Agent agreement with the DATCP 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*. One location was found positive with non-pathogenic *Listeria*. The business was instructed to clean and sanitize working surfaces. Then additional swab samples and food samples were collected. Both the follow up swabs and the food samples were all negative for *Listeria*.

Appleton experienced the worst year for pertussis (whooping cough) in more than 50 years. We have responded to more than 122 lab confirmed cases and dozens more epi-linked cases since December of 2011. More than 15,000 parent notification letters have been sent by the department warning of potential exposure to known cases of pertussis. We also provided fact sheets, which included signs and symptoms should their child become ill. Working closely with the area school districts and physicians, we succeeded in minimizing the transmission through the community of this highly contagious disease. Health Officer Eggebrecht provided education and awareness to the community by providing multiple interviews on TV stations 2, 5, 11, 26 and WHBY radio news. Communicable disease control is our department's highest priority. Due to pertussis-related work demands we unfortunately needed to prioritize our staff and as a result, our frequency of home and phone consultations to our Maternal and Child Health and Adult Elderly clients decreased in 2012 to meet this need.



The department responded to five separate salmonella cases. Based on lab results and patient interviews, two of these cases were the result of handling backyard chickens outside of the City. One of the Appleton patients with the S. Muenchen infection was part of a multi-state cluster investigation that included 1 Wisconsin case and 16 additional cases in 8 other states. This cluster appeared to be associated with a poultry supplier, but it is still under investigation and a common supplier or hatchery has not yet been identified. According to the state this cluster investigation is one of numerous similar multi-state Salmonella investigations that the CDC coordinated in 2012. Some of these have already been traced to a common hatchery.



This year eight bats were shipped for rabies testing following contact or possible contact with humans. Six bats were negative for rabies. Two bats were not testable resulting in the victims undergoing rabies post exposure prophylaxis.



Each year in August the Octoberfest organizers arrange trainings for the food vendor participants of Octoberfest. Vendors are required to attend one of two scheduled vendor training meetings in order to participate in the event. Health Department staff provides the training on food service and Weights & Measures requirements. The Police and Fire departments, as well as the Chamber of Commerce personnel relay other important information to the vendors during these training meetings to keep the event safe. This year, there were over 240 people present at the training meetings.

In 2012 there were 99 food stand inspections and 3 re-inspections conducted by the Health Department during License to Cruise and Octoberfest. Ten (10) food stand inspections were conducted at License to Cruise. Eighty-eight (88) non-profit food stand inspections and one (1) for-profit food stand inspection were conducted at Octoberfest. Of the 99 stands that were inspected this year, 79 food stands had no violations at the time of the inspection (79%). There were a total of 24 violations recorded at 19 food stands during Octoberfest and one violation found at one food stand at License to Cruise. We did not have any reports of food or waterborne illness from this event.



This year there were 29 arts and craft booths that were reviewed 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. These items must be fully labeled and sold either by weight or measure, depending on the product type. There were two booths with violations of short weight herbal bar soaps found. The violations were fixed during the inspection and booths were allowed to keep selling.

Public Health nurses, Becky Lindberg, R.N. and Kris Eiden, R.N. provided TB skin testing for staff at the Salvation Army, Emergency Shelter and the Warming Shelter due to the high risk population these employees serve. During the month of September a total of twenty-eight employees were tested.

The Health Department received a radon mini-grant from the Department of Health Services. The purpose of the mini-grant was to encourage and promote testing of

homes by publicizing information about radon and providing free radon test kits to the citizens of Appleton. The Health Department purchased 162 short term test kits and 100 long term test kits with the \$2,500 grant. Community outreach included posting radon information and the availability of the kits on the health department Facebook page, the City website and twitter feed. An article was also included in the Appleton *Post Crescent* to promote the available kits. A handout on general radon information was given to all test kit recipients.

For the second year in a row, the Appleton Health Department has engaged in a partnership with area faith communities to spread the word about preventative steps to stop influenza. A letter was sent in October 2012 to leadership at each faith community in Appleton offering at no cost to their congregation, 32 ounce hand sanitizer dispensers and 8" x 10" full color laminated posters featuring the slogans "Stop the Spread" of influenza and "Wash Your Hands" with an explanation of the proper hand washing technique. We distributed 59 sanitizer dispensers and 34 posters during the fourth quarter of 2012.

"The Appleton Health Department communicates with the public on health and consumer related issues."

This year health department staff provided several education sessions including: March 6th, Kathleen Sprangers, R.N. presented information on the Immunization effort "Tdap Cocooning" for 9 clinic staff at the UW Health Fox Valley Family Medicine. This program protects newborns from contracting Pertussis by vaccinating all family members and care providers of the newborn as they cannot begin to receive the vaccine until 2 months of age.

March 20th, Kris Eiden, R.N. provided information on the Appleton Health Department Adult/Elderly program services to a collaborative meeting of elder service providers that met at the Fox Valley Lutheran Home in Appleton.

March 22nd, Environmentalist Steve Kihl, R.S. provided food safety training to 20 participants in preparation for the annual Xavier Food Fair to be held the first Sunday in May. Providing food safety education to individuals that do not normally cook for large gatherings helps to reduce mistakes that could cause a food borne outbreak.

April 25th, Weights and Measures participated at the annual Festival Foods Farm Market meeting at the Festival Foods Store on Northland Avenue. A record number of vendors attended the meeting this year. Weights and Measures specialists provided information regarding policies as well as testing 22 farm market vendors' scales and provided package and labeling approvals. The meeting, which has become mandatory for vendors, provides an educational opportunity resulting in high compliance.

April 30th, Kathleen Sprangers, R.N. provided information on immunizations and lead poisoning prevention to five new mothers at the Appleton Medical Center MOM and ME group.

May 4th, Becky Lindberg, R.N. provided seven sessions on Safe Sleep for 80 teen parents attending a conference held at Fox Valley Technical College.



May 16th, Kathleen Sprangers, R.N. and Becky Lindberg, R.N. participated in the Boys and Girls Clubs of the Fox Valley Health and Wellness Fair hosted at the Appleton site. Information for about 150 participants included a proper hand washing activity and Safe Sleep demonstration.

May 24th, Weights & Measures staff spoke at the annual Appleton Downtown Farm Market vendor meeting located in the Library meeting room. City Sealer Maggio provided information regarding policies as well as going over related rules. Weights and Measures staff then tested farm market vendors' scales as well as package and labeling. The mandatory meeting for vendors provides an educational opportunity resulting in high compliance throughout the Farm Market's duration.

June 16th, Kathleen Sprangers, R.N. and Outagamie County Public Health Nurse Karlyn Raddatz, R.N. educated fourteen Certified Medical Assistants and Registered Nurses in proper technique for capillary lead blood draws. In addition, Kathleen provided physician educational materials for six Theda Care pediatricians in the area of lead poisoning prevention.

July 17th, fourteen UW Health Resident Physicians received training from Kathy Stromberg, R.N., B.C. on Communicable Disease (CD) reporting, Tuberculosis and consistent Safe Sleep messaging.

August 21st, UW Oshkosh professor Paula McNeil and Health Officer Eggebrecht co-presented at the annual Nurse Conference held in Stevens Point. The session's focus was on the Activate Fox Cities project and how active lifestyles can lead to improved memory function in older adults. Eggebrecht serves on the Activate Fox Cities leadership committee.

September 18th, Public Health nurses, Becky Lindberg, R.N. and Kathleen Sprangers, R.N. staffed a Health Fair at APPLETON. Approximately 156 employees attended and learned about safe sleep for infants, adult immunization and childhood lead poisoning prevention. Active learning incentives encouraged interaction with our nurses.

Also on September 18th, Public Health Nurse Kris Eiden, R.N. participated in the Thompson Community Center Senior Fall Prevention Community Event. Multiple service providers collaborated to provide 67 seniors with information and resources to promote health, safety and health screenings. Kris also participated on the planning committee for this event.

September 19th, Nurse Supervisor Kathy Stromberg, R.N., B.C. provided information on communicable disease to seven parents working with Lutheran Social Services Foreign Adoption program.

September 27th, Health Officer Eggebrecht co-presented at the “Leading the Way” conference held at the Italian Conference Center in Milwaukee. This was a joint conference supported by the Medical College of Wisconsin, Advancing a Healthier Wisconsin and the University of Wisconsin School of Medicine and Public Health Wisconsin Partnership Program. The title of the presentation was “Building Collaborative Capacity in Communities.”

October 12th, Ann Steele, R.N. presented to 20 housing case managers and Housing Partnership staff information on communicable disease, immunization and the importance of a Medical Home for their clients.

October 18th, Kathy Stromberg, R.N., B.C. presented to 21 members of the Early Childhood Coalition and State Maternal and Child Health (MCH) staff members. She shared our MCH contract objectives; Prevention and Systems of MCH case work of the health departments in the tri-county area.

November 14th, Becky Lindberg, R.N. presented information on Safe to Sleep to the Healthy Moms = Healthy Babies Prenatal Class of the Fox Cities.

November 28th, Kathy Stromberg, R.N., B.C. presented to members of the Healthy Infant and Child Alliance as well as the Fox Valley Safe Kids Coalition on our Maternal and Child Health Contract objectives using the Life Course Framework.

December 6th, Becky Lindberg, R.N. and Kathy Stromberg, R.N., B.C. presented on the Safe to Sleep campaign to community partners. Data was shared regarding the success of the campaign launched in 2011, demonstrating a decrease in infant deaths related to unsafe sleep environments. Also in December, Becky Lindberg met separately with seven teen mothers at the Appleton Area School District’s Central High School to discuss the Safe to Sleep program and the importance of immunizations and childhood development.

December 17th, Kathleen Sprangers, R.N. presented information on Lead Poisoning Prevention and Immunization to 18 parents participating in the Mom & Me class offered at Appleton Medical Center.

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

In January the Health Department began to pilot the new electronic reporting of our environmental health inspections utilizing HealthSpace. This has resulted in efficiencies both for the department and for establishment owners. Instead of completing paper records on site, we are now entering data electronically that can then be downloaded into summary reports to meet all State reporting requirements. HealthSpace, is provided at no cost to agent health departments by the Department of Health Services.

In February, Environmental Supervisor Tim Mirkes, R.S. 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 asbestos and biohazards, including TB.



Appleton’s Public Health Preparedness Coordinator, Jon Lee also provides services for several surrounding communities. April through June the preparedness program completed exercises for four local health departments in our partnership. The scenarios consisted of a meningitis outbreak, intentional food contamination and power outage affecting at-risk residents. Through developing scenarios, establishing objectives, testing target capabilities, facilitating discussions and evaluating the strengths and areas for improvement, Appleton Health Department was able to assist these partners to complete their preparedness grant objectives for exercises. Also this year updates were made to the Public Health Emergency Plan (PHEP). These updates consisted of clarifying reference documents associated with response steps, updated resources and streamlining the response checklists for content and readability.

On June 14th, Preparedness Coordinator Jon Lee facilitated the 2012 Performance Measures drills for Appleton Health Department and our partners. These drills consisted of a communicable disease scenario, which triggered a practice call down of our primary and back up response staff, estimated their reporting time to our Emergency Operations Center, and included developing an Incident Action Plan and drafting messages to alert the public as well as our response partners of the outbreak. All participants completed their tasks within the target time frames.

The newest additions to our Health Department staff, Kris Eiden, R.N. and Jess Moyle, R.N. have completed basic Incident Command System (ICS) courses this year. Having a staff trained in emergency response methods allows our department to respond consistently and efficiently during an event.

The department provided influenza vaccine to City of Appleton employees, their spouses and children 9 and over and elected officials during four separate clinics. Influenza vaccine is safe and the most effective way to prevent flu related illness.



“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.”

Eggebrecht also participated in the Elevating Community Health Practice 2012 National Conference March 14th-16th sponsored by the Association for Community Health Improvement. Eggebrecht attended as a member of Theda Care CHAT Team along with Theda Care staff.

March 22nd, Preparedness Coordinator Jon Lee organized and facilitated a regional Hazard Vulnerability Assessment (HVA) meeting for the local health departments in the Fox Valley area. Representatives from 10 local health departments, including Appleton, met with partners from emergency management and the regional hospital preparedness program to identify our communities' vulnerabilities to a variety of different emergency scenarios. Vulnerability was rated based on several factors, including likelihood of occurrence, anticipated impact and our level of readiness for such an event. Results from the HVA will help guide our planning priorities over the next several years. This session satisfied one of the required Public Health Emergency Preparedness (PHEP) objectives for 2012.

March 23rd, Health Officer Eggebrecht presented at the Wisconsin Hospital Association on collaboration with key stakeholders in Community Health Assessment. Eggebrecht highlighted the local LIFE Study and the Hospital/Health Department collaboration with the new requirements for community needs assessment and community intervention plans.

April 19th, Health Officer Eggebrecht moderated the panel discussion at the Wisconsin Health Education annual conference held in Middleton. This year's conference theme was Health Enhancement through Relationship Building and Cultural Connectivity.

April 28th, Becky Lindberg, R.N. and Kathy Stromberg, R.N., B.C. participated in the Wisconsin Safe Kids Car Seat Recycle event. The local effort was sponsored by Fox Valley Safe Kids, AAA, Kohl's and VEOLIA. 137 car seats were collected, dismantled and recycled.



Environmentalists Michelle Roberts, R.S. and Steve Kihl, R.S. each took Resident Physicians on restaurant inspections. This is done in coordination with the UW Fox Valley Family Medicine Residency Program. By providing this service the Resident Physicians gain awareness in food safety and food borne illnesses as it relates to their practice.

June 16th, the department collaborated with Family Services, Inc. to sponsor the 3rd annual Butterfly Festival held at City Park. This fundraiser/education session supports the efforts to prevent child abuse and neglect. Based on the number of young families in attendance, the department also provided information related to the importance of childhood immunizations. The Fire and Police departments also provided education at this event.



The Utilities Technical Advisory Committee appointed by Mayor Hanna completed their work related to recommendations for meeting new federal water safety standards. The Advisory Committee, of which Health Officer Eggebrecht was a member, suggested the use of ultraviolet light as an effective and reliable means of water disinfection.

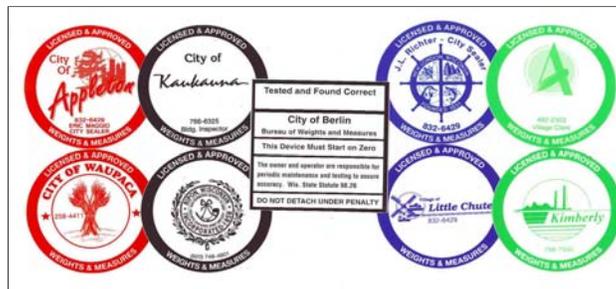
This past year staff from various departments including Health, Attorney's, Planning and Police prepared draft language to allow for backyard chickens in Appleton. This work was the result of a resolution submitted by Common Council members. Currently farm animals are prohibited in the City of Appleton. In addition to researching this topic including all known ordinances in the state, staff have worked with representatives of the Department of Agriculture, chicken growers, veterinarians and the Humane Society. Staff responded to numerous questions and concerns from the media and general public on this topic. The Council voted to uphold the restrictions on farm animals in the City.

Based on community needs assessment, Health Officer Eggebrecht has been working with a community team formed through a Theda Care CHAT focus area on Latino population. The goal of this Latino Teen Pregnancy initiative is to delay the age of pregnancy, increase education opportunities and birth outcomes. Eggebrecht serves on the Theda Care CHAT Advisory Board.

The East Central Wisconsin Regional Planning Commission established a steering committee to provide strategic planning and direction for increasing bike and pedestrian opportunities throughout the Fox Valley. July 19th marked the first meeting of the steering committee which Health Officer Eggebrecht convened with the intent to link this groups work to the larger community efforts of improving healthy lifestyles.

Paula Morgan from Theda Care and Health Officer Kurt Eggebrecht co-presented a national webinar related to community health improvement through collaboration of public health, health care systems and community partnerships. This live taping occurred September 11th and is now archived for viewing. This was supported through the UW Population Health Institute and the County Health Rankings Roadmap Project.

City Sealer Eric Maggio and Health Officer Kurt Eggebrecht met with the eight contracted 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 meeting about the program and answer any questions about the work we have done during the year.



The municipalities remain very happy with the work Weights and Measures have done and the partnership of sharing services. All work was completed at a high level and the program continues to be a successful partnership.

Late this year, our Northeast Wisconsin (NEW) Public Health Preparedness Partnership began working with Winnebago County. The cities of Neenah and Oshkosh had previously been part of our partnership before merging with Winnebago County Health Department. In addition to Winnebago County, Appleton Health Department now provides technical assistance and preparedness services to Manitowoc, Marquette, Waupaca and Waushara counties.



In October our partnership began planning for our April 2013 regional Functional Exercise. The exercise scenario will be based in part on our Hazard Vulnerability Analysis (HVA) completed earlier in 2012. The exercise objectives will be focused on three “priority” response capabilities identified as priority planning in our current grant objectives: “Emergency Operations Coordination,” “Emergency Public Information & Warning” and “Information Sharing.”

October 8th, Health Officer Eggebrecht assisted with the development of the 5 year Strategic Plan for the Fox Valley Emergency Shelter. Eggebrecht serves as past president of the Shelter. Eggebrecht also represents the City on several other Boards including; Family Services Inc., Fox Valley Advisory Board; Wisconsin Health Education Network; UW Population Health Institute; Steering Committee of Activate Fox Cities; and the Fox Cities and Oshkosh Urbanized Areas Bicycle/Pedestrian Plan. In addition, along with Alderperson and Board of Health Member Cathy Spears, he serves on the State Board of Wisconsin Association of Local Health Departments and Boards of Health.

The majority of hospitals in the United States are recognized as nonprofit organizations by the Internal Revenue Service (IRS). This designation provides these hospitals with a number of financial benefits, including an exemption from the federal income tax as well as the ability to have tax-exempt bonds issued on their behalf. Many states and municipalities also provide nonprofit hospitals with exemptions from property, sales and other taxes. This favorable tax treatment comes with the responsibility that hospitals provide certain benefits to the communities they serve. The Affordable Care Act now requires that nonprofit hospitals conduct a community health needs assessment (CHNA) every three tax years. This assessment must reflect input from persons who “represent the broad interests of the community served” by the hospital facility, “including those with special knowledge of or expertise in public health,” and be made “widely available” to the public. The hospital must have an implementation strategy for meeting the needs identified in the assessment, report how it is addressing those needs and describe any needs that are not being addressed together with the reasons they are not being acted on. Any nonprofit hospital organization that does not meet these requirements must be assessed a tax of \$50,000 per year per non-compliant facility. Hospitals must report that they have completed the CHNA requirements beginning in tax years after March 23, 2012. This past year, Health Officer Eggebrecht has been working collaboratively with representatives of Affinity and Theda Care as they met these new requirements.

“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 department continues to place a high value on continuing education of staff.

This year the following conferences and trainings took place:

January 24th, the entire Health Department staff watched the disaster movie “Contagion” over lunch and to start our monthly staff meeting. We also invited representatives from the Police and Fire departments as well as Attorney’s office to view the movie and participate in a discussion with us. Following the movie, which features a highly contagious deadly (Avian Influenza/Bird Flu) disease spreading into a global pandemic, we talked about how such a real event would affect our department’s ability to provide our regular services as well as the role local public health would play in responding to a public health emergency of this magnitude.

January 26th, City Sealer Eric Maggio attended the annual Weights and Measures Policy and Procedure training in Madison, Wisconsin. The meeting provided information regarding recent changes in policies as well as the yearly schedule for training and state surveys. Joint Inspection of an Ethanol Plant was made into a procedure by City of Appleton City Sealer Eric Maggio who also provided the training at this meeting.

March 8th & 9th, Jess Moyle, R.N. attended the annual Wisconsin Association of Lactation Consultant Breastfeeding Conference at the Radisson Paper Valley in Appleton.



March 15th & 16th Preparedness Coordinator Jon Lee attended the Governor’s Conference on Emergency Management and Homeland Security held at the Radisson Paper Valley in Appleton. A panel from Joplin, Missouri shared their response experience and lessons learned from the 2011 tornado that devastated

their city. Other sessions included recovery from windstorms in northern Wisconsin, mortuary planning and disaster responder identification and credentialing.



March 23rd, Ann Steele, R.N., Kris Eiden, R.N. and Jess Moyle, R.N. attended the Wisconsin TB Summit via live internet link.

April 11th, Becky Lindberg, R.N. and Trish Schuldes, R.N. attended the Building Bridges for Breastfeeding Duration Conference sponsored by WIC and held at St. Mary's Hospital in Green Bay.

April 12th, Jess Moyle, R.N. attended the Building Bridges for Breastfeeding Duration Conference sponsored by WIC and held at UW Fond du Lac.

April 17th, Becky Lindberg, R.N. and Kathy Stromberg, R.N., B.C. attended the Safe Sleep Summit in Marshfield, Wisconsin. This event was sponsored by Wood County Health Department and featured Rachel Moon, M.D. one of the authors of the recent American Academy of Pediatrics Recommendations for a Safe Infant Sleep Environment.

April 18th, Kris Eiden, R.N. and Jess Moyle, R.N. attended Food Borne Outbreak Training at MATC in Madison sponsored by the Wisconsin Division of Public Health.



April 19th, the Northeast Wisconsin Immunization Coalition sponsored Immunization Update: What's the Game Plan? held at Liberty Hall in Kimberly.

Kathleen Sprangers, R.N., Kathy Stromberg, R.N., B.C., Trish Schuldes, R.N., Tina Pelishek, R.N., Jess Moyle, R.N., Becky Lindberg, R.N. and Sue Larson, R.N. attended the evening presentation. Kathleen, a member of the planning committee, was recognized for her years of service to the coalition as chairperson.

April 20th, Becky Lindberg, R.N., Trish Schuldes, R.N. and Tina Pelishek, R.N. attended a conference on Fetal Alcohol Spectrum in Wautoma sponsored by the Healthy Baby Coalition of Green Lake, Marquette and Waushara counties.

May 1st, City Sealer Eric Maggio attended Price Verification Training in Madison, Wisconsin. The training was provided by the National Institute of Standards and Training (NIST). The meeting provided information on the history of price verification as well as the science of the inspection.

May 3rd, Kathy Stromberg, R.N., B.C. attended the Regional Child Death Review Meeting with Melissa Blom, the team coordinator from Outagamie County Child Youth and Family Division held at the Coughlin Center in Oshkosh. Kathy serves as co-chair for the Outagamie County Team.

May 15th, Health Officer Eggebrecht was recognized at the Emergency Shelter of the Fox Valley Annual meeting. Each year the shelter's staff selects a volunteer of the year and Eggebrecht was named this year's recipient for his service hours and serving in a leadership role on the Board the past 7 years.



May 17th, Appleton Health Department hosted an Ages and Stages Developmental Screening training presented by Christine Bruenig with the Children's Hospital of WI CYFSHCN program. Kris Eiden, R.N. and Jess Moyle, R.N. attended.

May 22nd, Health Officer Eggebrecht was recognized by his peers as 2012 Health Officer of the Year at the Annual Wisconsin Association of Local Health Departments and Boards of Health annual conference.



May 31st, Ann Steele, R.N. attended the annual Regional HIV Partner Services meeting at the Radisson Paper Valley sponsored by the Wisconsin Division of Public Health.

May 31st, Becky Lindberg, R.N. attended the Local Coalitions Planning Workshop with a team from the Home Visitors Consortium at the Wintergreen Resort and Conference Center in Lake Delton. The workshop was sponsored by the Maternal Child Health Early Child System, Wisconsin Division of Public Health.

June 21st, Becky Lindberg, R.N. and Jess Moyle, R.N. attended the Oral Health Training for Home Visitors at the Menasha Public Library. Presenter was Lisa Bell, Wisconsin Division of Public Health Dental Hygienist and facilitated by Kathleen Endres from the Menasha Health Department.

August 20th & 21st, Becky Lindberg, R.N. and Kathy Stromberg, R.N., B.C. attended the annual Public Health Nursing Conference held in Stevens Point. Becky also attended the Maternal Child Health preconference training.

August 30th, Kathy Stromberg, R.N., B.C. and Becky Lindberg, R.N. attended the Wisconsin Department of Health Services Maternal Child Health training "Logic Model: A Road Map for Early Childhood Systems" held at Liberty Hall.

Also on August 30th, Tina Pelishek R.N. and Jess Moyle, R.N. attended the First Breath /My Baby and Me annual regional meeting held at the Appleton Library.

September 13th, Jess Moyle, R.N., Kathy Stromberg, R.N. B.C. and nursing student Clara Bulgar from Bellin College attended the Regional Laboratory Network meeting sponsored by the State Lab at Liberty Hall.

Also on September 13th, Public Health nurses Trish Schuldes, R.N., Tina Pelishek, R.N. and Jess Moyle, R.N. attended the Wisconsin Association for Perinatal Care Regional Forum "Coming to Term" discussing the positive birth outcomes related to delaying induction of birth until 39 weeks. The presentation was held at Lawrence University.

September 20th, Kathy Stromberg, R.N., B.C. attended the Wisconsin Department of Health Services TB 101 for Health Care Providers and Public Health Nurses held at Theda Clark Regional Medical Center.

Our theme for 2012's Team Building Day was centered around achieving success by drawing on the cumulative strengths of each other. We identified different personality types and work approaches and discovered through hands on activities how each approach brings value to an overall project. Staff members were also able to enjoy the company of each other in the natural setting of Bubolz Nature Preserve.

On September 25th, the entire Appleton Health Department staff participated in our annual “Team Building Day.” Each year this day allows our staff from collective disciplines: nursing, environmental, weights & measures, administration and preparedness to work collaboratively on activities and share our successes from the past year with each other.



October 1-3, City Sealer Eric Maggio represented Appleton and the East Central Weights & Measures Consortium by hosting the annual fall conference in Appleton, Wisconsin. 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 Vehicle Tank Meters. City Sealer Maggio provided training and hosted the conference which ended his term as Wisconsin Weights and Measures Association President.



Preparedness Coordinator Jon Lee completed Crisis Risk Communication Training with Dr. Vincent Covello on October 17th, in Madison as well as FEMA’s Social Media for Natural Disaster Response and Recovery course on December 12th in Green Bay.

October 18th, Kris Eiden, R.N., and Jess Moyle, R.N. attended the Red Cross Disaster Health and Sheltering for Public Health held at UW Oshkosh.

November 9th, Kathy Stromberg, R.N., B.C. and Kelli Rindt from the City of Appleton Finance Department attended a meeting in Green Bay, sponsored by the Wisconsin Department of Health Services Immunization program on Insurance Billing for Immunization in Wisconsin.

In an effort to improve communication with the public, the Department assembled a team to complete a Quality Improvement Project (QIP). A representative from each health department section was selected to participate in our QIP: Kurt Eggebrecht (Administration), Steve Kihl (Environmental), Jon Lee (Preparedness), Eric Maggio (Weights & Measures) and Jess Moyle (Nursing). The topic of our QIP was increasing the reach of our department's Facebook page. We implemented our QIP using the proven strategies of "Plan, Do, Study, Act." This process allows us to identify a problem, determine root causes, strategize for methods to overcome barriers and finally test our theories for improvement. Identified methods to increase our Facebook reach included educating all of our staff on the value of social media, asking other city departments with Facebook pages to promote us to their fans and including our Facebook link on various materials shared with the public including email signatures, department letterhead, brochures, business cards and other print materials. By December 31st, our Facebook fans totaled 165, an increase of 104% from our total of 81 when our QIP began two months earlier.

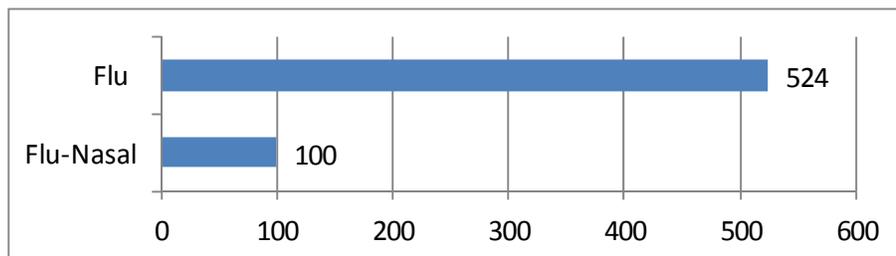
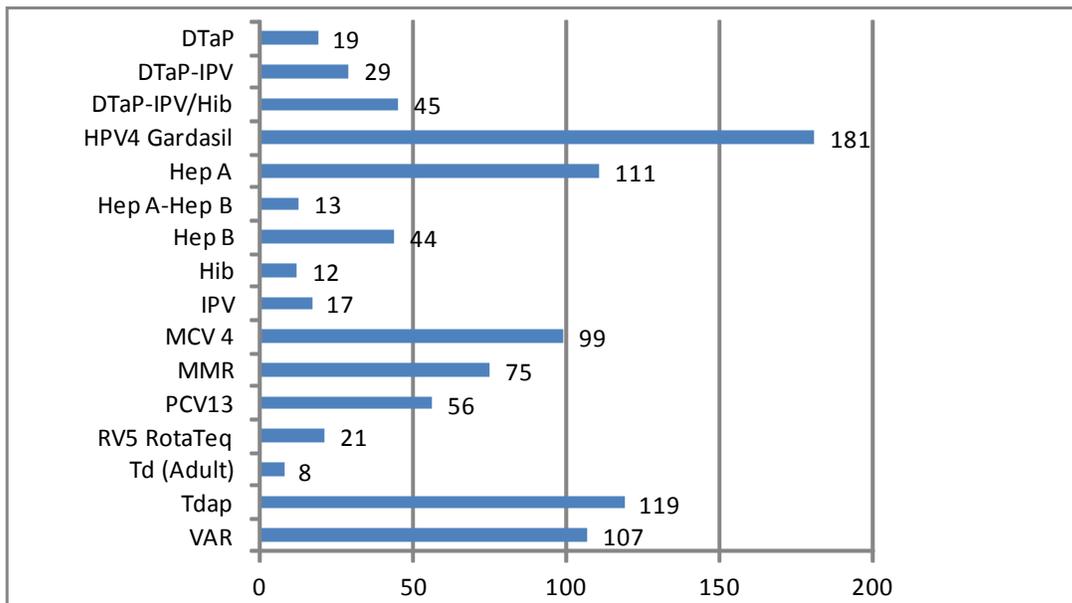


COMMUNICABLE DISEASE PROGRAM

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 2012, 957 clients received 1,587 doses of vaccine.

Vaccines Administered in 2012



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 2012, 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 2012, 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 11 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 two newly identified active Tuberculosis cases in 2012. As noted in the 2012 Highlights, contact investigation included TB skin testing for identified staff and students at Appleton North High School. The pertussis outbreak that began in early December 2011 continued into 2012 with 251 lab positive cases, epi-linked, and probable cases reported. Suspect case follow-up and contact investigations were also completed.

Tables showing numbers of cases and rates per 1000 population for all gastroenteric and sexually transmitted diseases are located on page 38. Additionally, page 39 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. A Partner Services Public Health Nurse works 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 five referrals received for this program during 2012.

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 2012, one hundred thirty seven (137) individuals were served. One hundred ninety seven (197) lab tests were performed resulting in 43 treatments for positive cases.

Foodborne Outbreak Illness Investigation

There was one foodborne outbreak investigated and reported to the State Division of Public Health in 2012. Campylobacter and Salmonella were both identified as causative organisms.

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 2012, the State provided \$3,116 of fee exempt service to the City. A table of exact types and numbers of test performed is located on page 48. Wisconsin Occupational Health Laboratory provided \$262 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 2012. Efforts include 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 (DSPS) 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.

Types of Tests	2007	2012
SWIMMING POOL WATER SAMPLES		
Total number of pool samples	259	253
Total number of pools re-sampled	0	0
Total positive Heterotrophic Plate Count	0	0
Total positive coliform	0	0
RABIES SPECIMENS		
Total number shipped	7	9
Total positive results	0	0 (2 indeterminate)

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 activities. Data for 2011/12 is compared to 2006/07. In the 2011/12 license year, the Department issued 454 licenses and 131 non-profit food permits compared to 450 licenses and 216 non-profit food permits in 2006/07. In 2011/12, 9 plan reviews were completed and in 2006/07, there were 16 plan reviews completed for new or remodeled establishments. In 2011/12, 42 pre-licensing inspections were conducted for new or change-of-operator establishments which is the same number conducted in 2006/07.

**LICENSES/REGULATED ESTABLISHMENTS
2006/07 COMPARED TO 2011/12**

Type of Establishment	Number of Inspections		Number of Consultations		Number of Complaints		Number of Re-inspections and Complaint Follow ups	
	2006/07	2011/12	2006/07	2011/12	2006/07	2011/12	2006/07	2011/12
Public Eating and Drinking Establishments; Temporary Restaurants; Non-Profits	499	417	358	357	45	29	147	95
Permanent and Temporary Retail Food Establishments	100	89	107	69	11	3	47	17
Lodging Establishments; Rec/Ed/ Campground	11	11	17	7	0	0	0	0
Manufactured Home Communities	1	1	1	1	1	0	0	0
Vending Machines	46	0	3	0	0	0	0	0
Swimming Pools	29	26	13	11	2	1	5	2
Tattoo/Body Piercing Establishments	11	11	32	37	1	2	2	0

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 2012 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.

Elevations (ug/dl)	2007	2008	2009	2010	2011	2012
Venous Lead Levels >19 ug/dl	1	2	2	0	3	2
Venous Lead Levels 10-19 ug/dl	6	4	3	1	2	4
Capillary Lead Levels >10 ug/dl	14	10	11	8	5	3

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

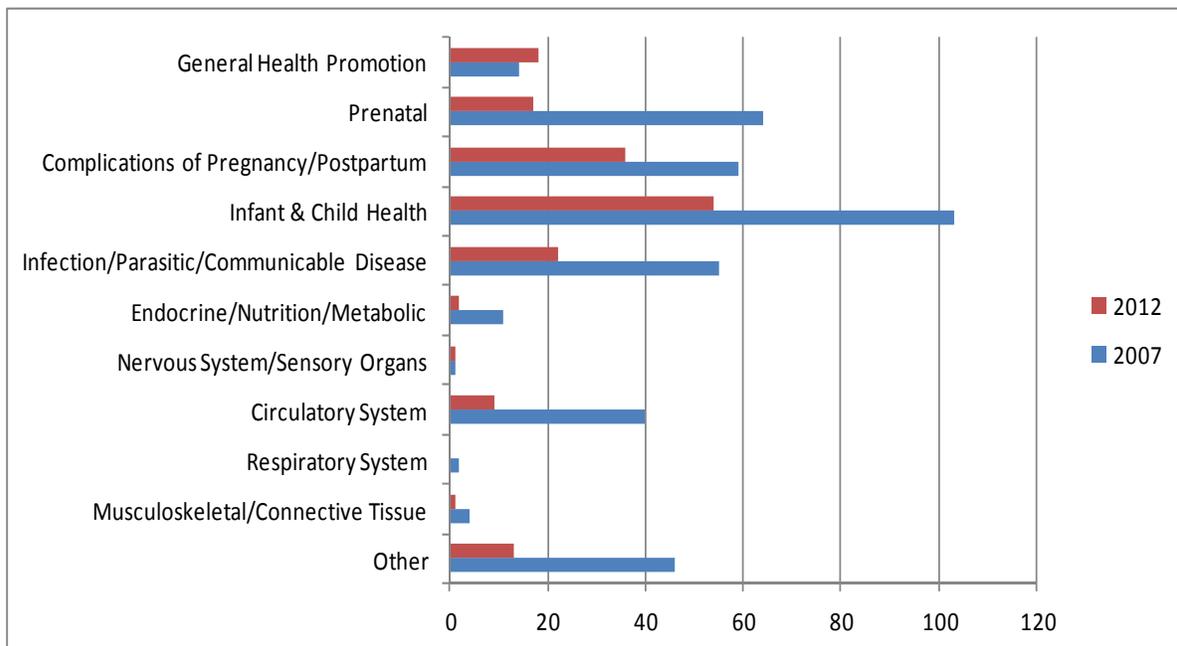
The Public Health Nursing (PHN) caseload consists of individuals and families with complex health problems. The Department received a total of 1,021 referrals in 2012. A total of 980 visits, including admissions, revisits and discharge visits, as well as phone consultations were made to these clients. This compares to 1,217 visits in 2011.

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.

Type of Referrals to Public Health Nurse	2007	2008	2009	2010	2011	2012
Family	1	2	0	2	0	0
Maternal/Child (includes Birth Certificates)	953	1,080	974	1,009	955	1,015
Adult/Elderly	17	14	15	10	12	6
Rate/1000	13.45	15.16	13.66	14.07	13.30	14.02

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.

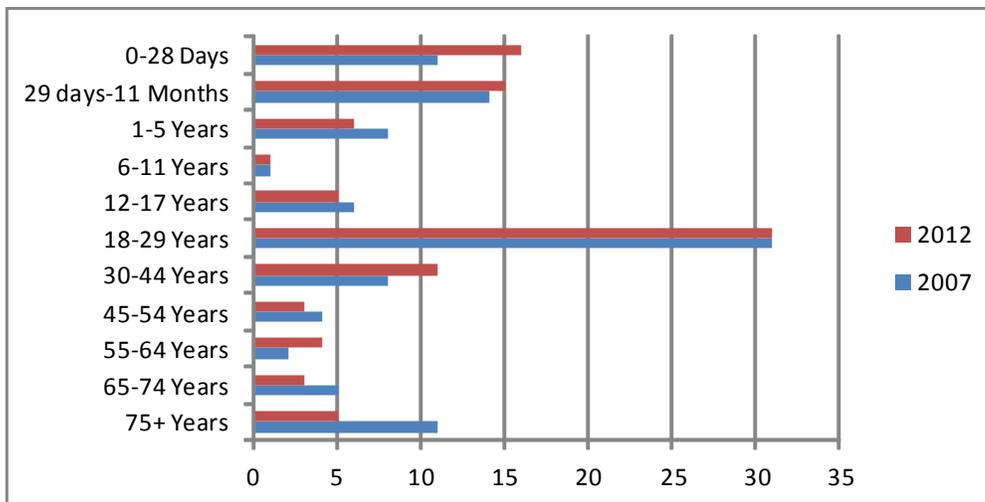
PUBLIC HEALTH NURSING CLIENTS BY PRIMARY PROBLEM



Demographics: Public Health Nursing services are targeted to individuals and groups at risk for disease or disability due to barriers such as low income, limited education and cultural/language differences; lifestyle factors such as smoking and poor nutritional practices; and medical factors such as communicable or chronic diseases.

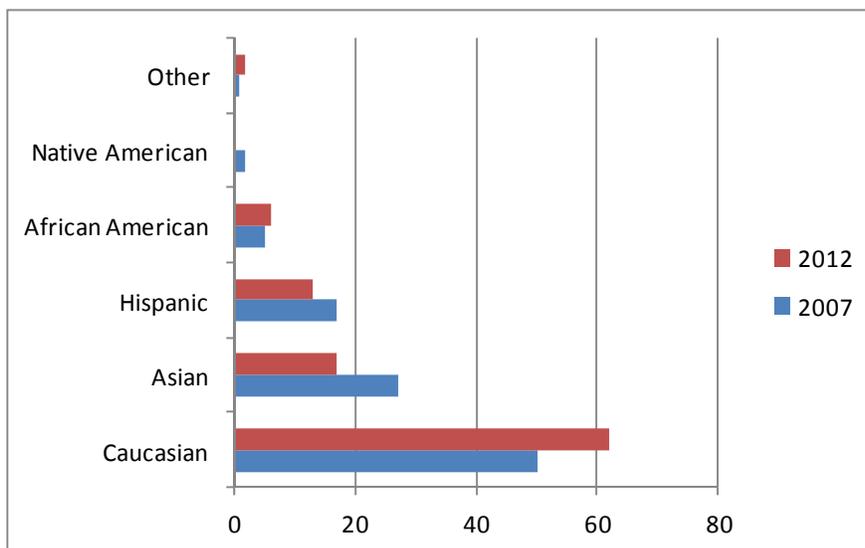
The following graphs describe the 2012 Public Health Nursing caseload by age and race/ethnicity.

PUBLIC HEALTH NURSING CLIENTS BY AGE



Percent Caseload

PUBLIC HEALTH NURSING CLIENTS BY RACE

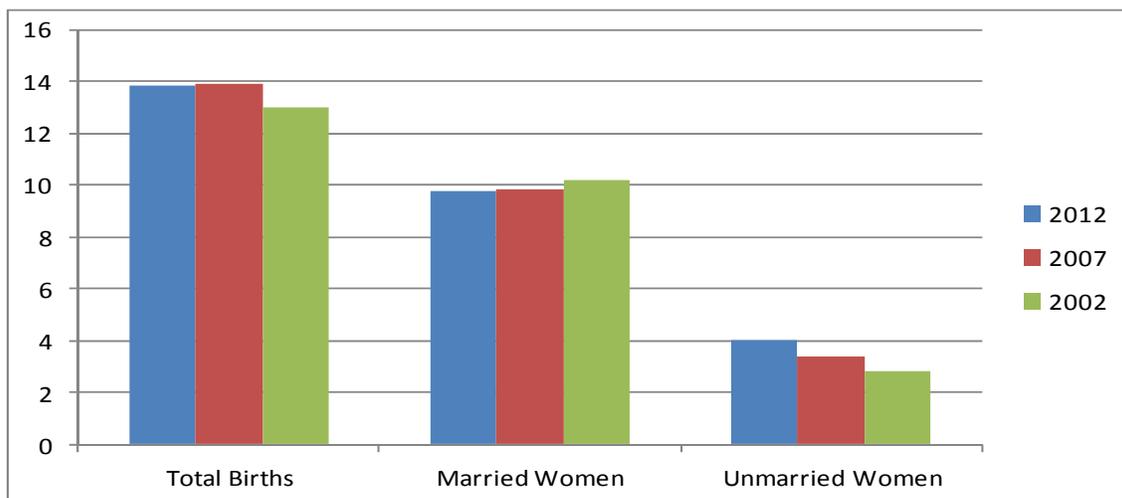


Percent Caseload

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

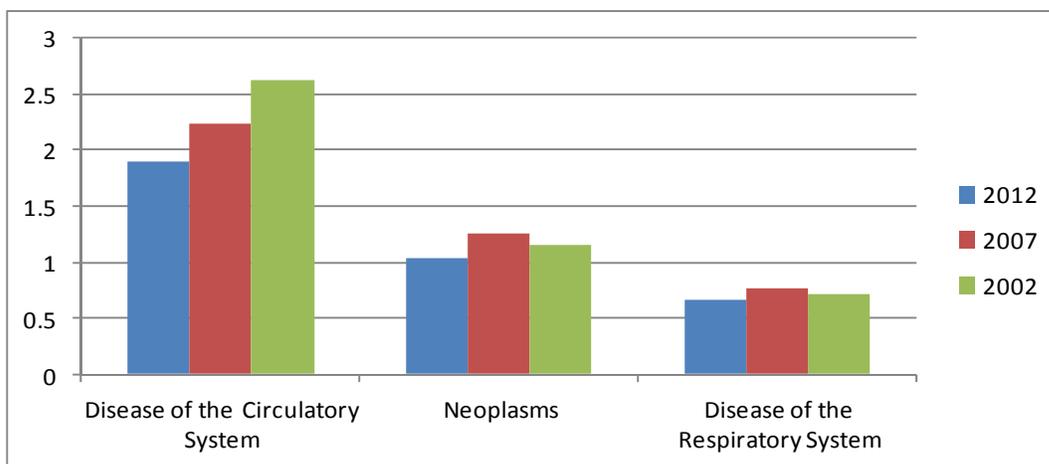
Vital statistics are maintained for monitoring the morbidity and mortality and as an aid in program planning. Appleton's population increased from 72,715 in 2011 to 72,810 in 2012. The crude birth rate per 1000 population for the State in 2010 was 13.94. For the City of Appleton in 2011, it was 14.08. The graph below shows crude birth rates based on marital status comparing 2012, 2007, 2002.

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 54 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 2012, there was a 4.5% 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 Licenses.

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

ESTABLISHMENT TYPE	2010	2011	2012
Food and Convenience Stores	138	141	179
Restaurants	19	27	37
Bakery and Candy Stores	9	8	14
Dairy Plants and Stores	6	5	7
Drug Stores	17	12	19
Hardware Stores	17	18	28
Variety and Department Stores	74	87	99
Gas and Service Stations	37	35	30
Salvage Dealers and Recyclers	8	8	8
Pet Shops and Garden Centers	7	8	14
Industrial Manufacturing Plants	9	11	11
Concrete-Asphalt Plants and Road Materials	20	19	19
Transient Merchants (markets; product; seafood)	188	189	201
Package Shipping and Freight	14	14	14
Service Laundries and Dry Cleaners	1	2	1
Government Agencies	15	14	14
Solicitors and Door to Door Merchants	181	137	40
Close-out Business and Termination Sales	2	3	1
Second Hand Dealers	37	45	28
Laundromats, Car Washes, and other Timing Devices	6	5	5
Miscellaneous	2	3	3
Mobile Petroleum Dealers	38	39	36
Airports and Marinas	0	0	0
TOTAL	845	830	808

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

TYPE OF DEVICE (% OF NONCOMPLIANT)	2010	2011	2012
Scales and Balances	578 (3.7%)	568 (4.9%)	614 (4.4%)
Measures (Include Gas Pumps & Fuel Oil Truck Meters)	1,052 (6.7%)	1,035 (3.9%)	1,034 (3.0%)
Weights	56 (0%)	64 (0%)	81 (0%)
TOTAL	1,686	1,666	1,729

RESULTS OF PACKAGED COMMODITIES TESTED BY YEAR

PACKAGED COMMODITIES TESTED	2010	2011	2012
Total Units of Product Investigated	62,173	78,361	69,312
Random Sample Size	10,372	12,178	11,936
Total Products/Unit Found Short Weight (% short)	2,643 (4.3%)	1,432 (1.8%)	957 (1.4%)
Total Products/Unit Found Mislabeled (% mislabeled)	4,429 (7.1%)	4,230 (5.4%)	4,532 (6.5%)

PRICE SCANNING INSPECTIONS

PRICE SCANNING INSPECTIONS	2008	2009	2010	2011	2012
Number of Inspections	111	123	143	147	148
Number of Items Scanned	3,518	3,836	4,386	4,566	4,796
Pricing Errors Found	152 (4.3%)	130 (3.4%)	177 (4%)	140 (3.1%)	208 (4.5%)

CONSUMER COMPLAINTS BY TYPE AND YEAR

Type of Complaint	Number Received 2010	Number With Violations 2010	Number Received 2011	Number With Violations 2011	Number Received 2012	Number With Violations 2012
Foods	2	0	1	0	1	1
Liquid Foods	1	0	0	0	0	0
Non-Food Products	1	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	2	0	8	4	1	0
Gas Stations-Service Console	1	0	0	0	0	0
Gas Stations-Price Signage	2	1	0	0	2	0
Gas Stations-Gasoline Quality	0	0	2	2	0	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	2	0	3	1	2	1
Trade Practices	5	5	2	2	1	0
Advertising	1	0	3	1	1	0
Going out of Business	1	1	0	0	0	0
Temporary Sales	0	0	1	1	0	0
Miscellaneous	1	0	1	1	1	0
Total	19	7	21	12	9	2

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 128 housing sanitation contacts, including consultations, complaints and follow-up inspections conducted in 2012. This represents 27% of non-establishment related Environmental Health program contacts in 2012.

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 64, representing 13% of contacts in 2012.

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 19 contacts related to rodent control in 2012.

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.

ENVIRONMENTAL CONSULTATIONS AND COMPLAINTS RECEIVED				
Nature of Contact	Number of Consultations		Number of Complaints	
	2007	2012	2007	2012
Community Water Supply	0	1	0	0
School/Day Care	9	6	0	0
Surface Water Pollution	3	2	3	0
Animal Nuisances	10	24	4	1
Rabies Control	27	23	2	0
Insect Control	14	52	4	17
Rodent Control	3	6	12	6
Hazardous Substance Control	10	10	3	2
Air Pollution-Indoor (Mold)	16	38	20	35
Air Pollution-Outdoor	4	4	5	3
Noise	12	19	0	3
Radon	3	6	0	0
Garbage/Rubbish Nuisance	29	7	48	11
Private Residence/Housing	41	41	59	14
Lead	21	24	1	1
Other Programs	21	8	5	0
Other Business	38	70	4	0
Total	261	341	170	93

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:

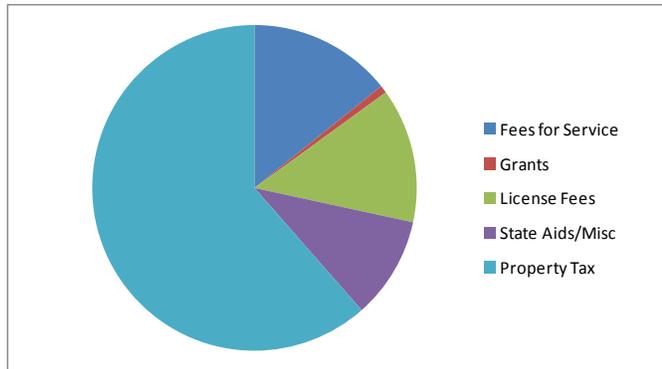
Activate Fox Cities	Northeast Wisconsin Mental Health Connection Board
Adolescent Parent/Pregnancy Program	Northeast Wisconsin Public Health Preparedness Partnership
American Public Health Association	OB/Unit/Local Health Department Coordination Committee
Department of Trade and Consumer Protection Policies and Procedures Committee	Outagamie County Elder Abuse Interdisciplinary Committee
Early Childhood Coalition	Outagamie County Child Death Review Team
Emergency Operation Plan Core Team Committee	Prenatal Care Coordinators
Emergency Shelter of the Fox Valley Board & Officer	Project Promise (Poverty Coalition)
Family Services Inc. Board	Reach Counseling Inc. Board
Fox Cities Community Council	St. Elizabeth Infection Control
Fox Cities Housing Coalition	Secure Public Health Electronic Record Environment (SPHERE) Lead Team
Fox Cities Kiwanis	ThedaCare Medical Center Infection Control
Fox Valley Lead Task Force	UW Northeastern Regional Research Council (ICTR)
Fox Valley Safe Kids	UW Population Health Institute Advisory Board
Head Start Advisory Committee	Fox Valley Regional Health Coalition
Health Smart Team	Wisconsin Association for Perinatal Care
Healthy Infant & Child Alliance	Wisconsin Association of Local Health Departments and Boards
Hispanic Pregnancy Work Team	Wisconsin City Caucus of Weights and Measures Officials
Hispanic Interagency	Wisconsin Department of Agriculture, Trade and Consumer Protection, Weights and Measures WinWam Software Committee
Hmong American Partnership Interagency Committee	Wisconsin Health Education Network
Mental Health Network	Wisconsin Nutrition Advisory Education Program
National Conference on Weights & Measures	Wisconsin Public Health Association
National Environmental Health Association	Wisconsin Public Health Preparedness Advisory Committee
Northeast Region Nursing Supervisors Group	Wisconsin Weights and Measures Association
Northeast Wisconsin Health Care Forum	Temporary Food Task Force
Northeast Wisconsin Immunization Coalition (NEWIC)	WI Association of Local Health Depts. & Boards -Environmental Health Section

APPENDIX

BUDGET INFORMATION

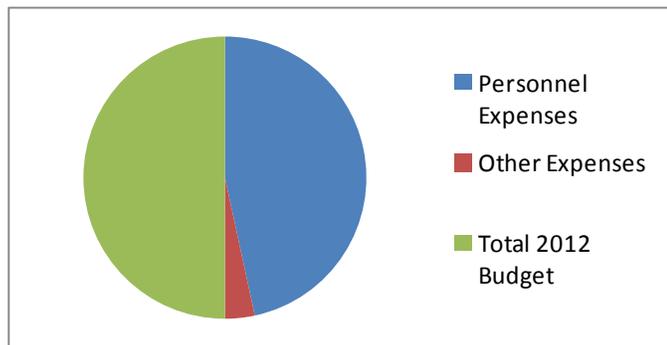
Fees for Service- \$187,861 (14.5%)
Grants- \$9,956 (.7%)
License Fees- \$176,398 (13.4%)
State Aids/Misc- \$133,465 (10.1%)
+ Property Tax- \$809,967 (61.5%)

2012 ACTUAL FUNDING SOURCE



Personnel Expenses- \$1,228,003 (93.2%)
Other Expenses- \$89,644 (6.8%)
Total 2012 Budget- \$1,317,647

2012 ACTUAL EXPENSES



COMMUNICABLE DISEASE DATA

(Rates per 1000 Resident Population)

Gastroenteric Disease	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
Amebiasis	0	0	0	0	0	0
Campylobacter*	9	.13	16	.22	19	.26
Cryptosporidiosis*	4	.05	8	.11	3	.04
E. Coli	6	.08	2	.03	4	.05
Giardiasis	4	.05	6	.08	5	.07
Listeriosis	NA	NA	0	0	0	0
Salmonellosis	7	.09	13	.18	14	.19
Shigellosis	1	.01	0	0	1	.01
Yersinia	0	0	0	0	0	0

*Became reportable to local health departments in 2000

Sexually Transmitted Disease	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
AIDS*	2	.02	1	.01	1	.01
Chlamydia*	139	1.95	199	2.76	307	4.22
Gonorrhea	24	.34	48	.60	50	.69
Herpes**	29	.41	40	.55	**	**
Syphilis	0	0	1	.01	2	.03
Partner Referral Program***	4	.06	2	.03	5	.07
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	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
Blastomycosis	0	0	1	.01	1	.01
Hepatitis A	3	.04	0	0	0	0
Hepatitis B	1	.01	1	.01	0	0
Hepatitis C	26	.36	10	.14	14	.19
Histoplasmosis	0	0	0	0	0	0
Hospitalized Influenza	N/A	N/A	N/A	N/A	8	.11
Lead Toxicity*	0	0	0	0	0	0
Legionellosis	2	.02	0	0	0	0
Leprosy	0	0	0	0	0	0
Lyme Disease	3	.04	5	.07	3	.04
Malaria	0	0	0	0	0	0
Meningitis-Bacterial	3	.04	2	.03	0	0
Rheumatic Fever	0	0	0	0	0	0
Streptococcus Pneumoniae	NA	NA	3	.04	5	.07
Invasive Group A Strep	NA	NA	2	.03	1	.01
Invasive Group B Strep	NA	NA	7	.10	6	.08
Toxic Shock Syndrome	1	.01	0	0	0	0
TB-Mycobaterium	1	.01	1	.01	2	.03
TB-Atypical	2	.02	6	.08	19	.26
Typhoid	NA	NA	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.

Vaccine Preventable Disease	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
Chickenpox (Varicella)*	0	0	4	.06	3	.04
Measles	0	0	0	0	0	0
Pertussis	1	.01	2	.03	251	3.45
Mumps	NA	NA	2	.03	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 2012. The total cost of these analyses would be \$3,116 if they were not fee free.

TYPE OF ANALYSIS	NUMBER OF SAMPLES
Mycobacteriology	5
Salmonella	0
VDRL	0
Rabies	10
N Meningitis	0
Chlamydia/N Gonorrhea	0
Ova Parasites/Cryptosporidiosis/Giardia	0
Outbreak Stool Cultures	0
Blood Lead-Capillary	1
Blood Lead-Venous	0
HIV 1/HIV 2	0
Norovirus PCR	3
Influenza A & B	0
Liver Function (AST, ACT)	0
Measles	1
Rubella	1
Mumps virus PCR	0
Hepatitis C	0
Hepatitis B Serodiganosis	1
Hepatitis A	0
E. Coli 0157:H7	0
Respiratory virus PCR	0
Clostridium Perfringens Stool	0
Campylobacter	0

PUBLIC HEALTH NURSING CASELOAD

CLIENTS ADMITTED BY PRIMARY PROBLEM	2002	2007	2012
General Health Promotion	18	14	18
Prenatal	80	64	17
Complications of Pregnancy/Postpartum	76	59	36
Infant/Child Health	145	103	54
Infection/Parasitic/Communicable Disease	116	55	22
Endocrine/Nutrition/Metabolic	22	11	2
Nervous System/Sensory Organs	4	1	1
Circulatory System	84	40	9
Respiratory System	10	2	0
Musculoskeletal/Connective Tissue	13	4	1
Other	30	46	13
Total	598	399	173
CLIENT HOME VISITS	2002	2007	2012
Telephone/ Home Visits	3673	2514	980
CLIENTS ADMITTED BY AGE	2002	2007	2012
0-28 Days	40	42	28
29 Days-11 Months	74	55	26
1-5 Years	39	32	10
6-11 Years	8	1	1
12-17 Years	44	25	8
18-29 Years	170	123	53
30-44 Years	50	31	19
45-54 Years	22	16	6
55-64 Years	21	9	7
65-74 Years	21	21	6
75+ Years	109	44	9
Total	598	399	173
CLIENTS ADMITTED BY RACE	2002	2007	2012
Caucasian	377	200	108
African American	20	18	10
Native American	1	7	0
Hispanic	54	66	22
Asian	140	106	30
Other	6	2	3
Total	598	399	173
CLIENTS ADMITTED BY GENDER	2002	2007	2012
Male	189	120	46
Female	409	279	127

VITAL BIRTH STATISTICS

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

Appleton Population 2002 =71,348

Appleton Population 2012= 72,810

Appleton Population 2007= 72,158

Crude Birth Rate for State 2008=12.7

*Provisional data from WI Vital Records Office, Aggregate Birth Report 2011

Birth Data	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
Total Birth Rate	931	13.04	954	13.22	1,005	13.80
Births to Married Women	729	10.21	711	9.85	712	9.78
Births to Unmarried Women	202	2.83	243	3.37	293	4.02
Total Births to Women <18 Yrs	11	.15	18	.24	11	.15
Unmarried <18 Yrs	11	.15	16	.22	11	.15
Unmarried 18-29 Yrs	156	2.18	192	2.66	225	3.09
Unmarried 30-40 Yrs	35	.49	.33	.46	57	.78
Unmarried >40 Yrs	0	0	0	0	0	0

Age of Mother	Birth Count	Percent
15-17 years	11	1.10%
18-19 years	39	3.91%
20-24 years	202	20.10%
25-29 years	355	35.32%
30-34 years	284	28.26%
35-39 years	96	9.55%
40-44 years	17	1.70%
45+ years	1	0.10%
Total	1,005	100.00%

Race/Ethnicity of Mother	Birth Count	Percent
White (Non-Hispanic)	819	81.49%
Black (Non-Hispanic)	13	1.30%
American Indian (Non-Hispanic)	10	1.00%
Hispanic	64	6.37%
Laotian/Hmong (Non-Hispanic)	98	9.75%
Other (Non-Hispanic)	0	0
Missing/Unknown	1	0.10%
Total	1,005	100.00%

VITAL BIRTH STATISTICS

*Provisional data from WI Vital Records Office
Aggregate Birth Report 2012

Education of Mother	Birth Count	Percent
None	0	0
Elementary	25	2.50%
Some High School	56	5.57%
High School Graduate	276	27.46%
Some College	294	29.25%
College Graduate	353	35.12%
Missing/Unknown	1	0.10%
Total	1,005	100.00%

Birthweight	Birth Count	Percent
< 1,000 grams	3	0.30%
1,000-1,499 grams	7	0.70%
1,500-2,499 grams	59	5.87%
2,500-3,999 grams	856	85.17%
4,000 + grams	80	8%
Total	1,005	100.00%

Low Birthweight	Birth Count	Percent
< 2,500 grams	69	6.87%
2,500 + grams	936	93.13%
Total	1,005	100.00%

VITAL BIRTH STATISTICS

*Provisional data from WI Vital Records Office
Aggregate Birth Report 2012

Mother Smoked During Pregnancy	Birth Count	Percent
No	826	82.19%
Yes	177	17.61%
Missing/Unknown	2	0.20%
Total	1,005	100%

Mother Smoked During Pregnancy	No		Yes		Missing/Unknown		Total	
	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent
< 1,000 grams	3	0.36%	0	0	0	0	3	0.30%
1,000-1,499 grams	6	0.73%	1	0.56%	0	0	7	0.70%
1,500-2,499 grams	44	5.33%	15	8.47%	0	0	59	5.87%
2,500-3,999 grams	703	85.11%	151	85.31%	2	100%	856	85.17%
4,000 + grams	70	8.47%	10	5.65%	0	0	80	7.96%
Total	826	100%	177	100%	2	100%	1,005	100%

Prematurity	Birth Count	Percent
Full Term (37+ weeks)	913	90.85%
Premature (<37 weeks)	92	9.15%
Total	1,005	100%

DEATH DATA

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

Crude Death Rate for State 2010=8.3

Age	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year	8	.11	2	.03	3	.04
1 Year to 10 Years	1	.01	0	0	2	.03
11 Years to 20 Years	6	.08	4	.05	2	.03
21 Years to 30 Years	3	.04	8	.11	4	.05
31 Years to 40 Years	9	.12	6	.08	13	.18
41 Years to 50 Years	11	.15	16	.22	21	.29
51 Years to 60 Years	26	.36	31	.43	41	.56
61 Years to 70 Years	48	.67	42	.58	47	.65
71 Years to 80 Years	92	1.28	104	1.44	64	.88
81 Years to 90 Years	151	2.11	164	2.27	132	1.81
91 Years to 100 Years	74	1.03	78	1.08	66	.91
Over 100 Years	2	.02	2	.03	6	.08

DEATH DATA

Causes of Death	2002		2007		2012	
	Number	Rate	Number	Rate	Number	Rate
AIDS	0	0	0	0	0	0
Accidental Death	8	.11	20	.28	17	.23
Congenital Anomalies	0	0	0	0	0	0
Complications of Pregnancy	0	0	0	0	0	0
Condition Originating in Perinatal Period	2	.02	0	0	0	0
Disease of Blood/Blood Forming Organs	1	.01	0	0	0	0
Disease of Circulatory System	188	2.63	161	2.23	138	1.90
Disease of Digestive System	14	.19	18	.25	14	.19
Disease of Genitourinary System	15	.21	20	.28	11	.15
Disease of Musculoskeletal System/ Connective Tissue	1	.01	3	.04	0	0
Disease of Nervous System	19	.26	14	.19	14	.19
Disease of Respiratory System	51	.71	55	.76	48	.66
Endocrine, Nutritional and Metabolic Disease	3	.04	7	.10	9	.12
Homicides	0	0	0	0	2	.03
Infectious and Parasitic Disease	6	.08	14	.19	10	.14
Mental Disorder	1	.01	0	0	1	.01
Neoplasm	82	1.14	91	1.26	75	1.03
Suicide	10	.14	9	.12	10	.14
Symptoms, Signs and Ill-Defined Conditions	31	.43	45	.62	52	.71