

CITY OF APPLETON
HEALTH DEPARTMENT



2015 ANNUAL REPORT



MESSAGE FROM THE DIRECTOR

The 2016 Annual Report of the Appleton Health Department provides insight into the critical role public health performs within our community.

Public Health refers to all organized measures to prevent disease, promote health and prolong life among the community as a whole.

Health department staff monitor and diagnose the health concerns of the entire community and promote health practices and behaviors to ensure that we stay healthy.

In this report you will learn how public health staff:

- Keep our food, water and air we breath safe
- Contain disease outbreaks of infectious diseases
- Inform the public and policy makers
- Help reduce disparities and access to healthcare
- Help the consumer and business community by enforcing fair trade practices
- Collaborate with many partners in the community to leverage and direct limited resources to those most in need

Respectfully yours,

Kurt D. Eggebrecht
Health Officer
City of Appleton



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Note: This document not only represents the activities of the Appleton Health Department for 2015, but also provides trend data comparisons for selected activities. The data for 2015 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

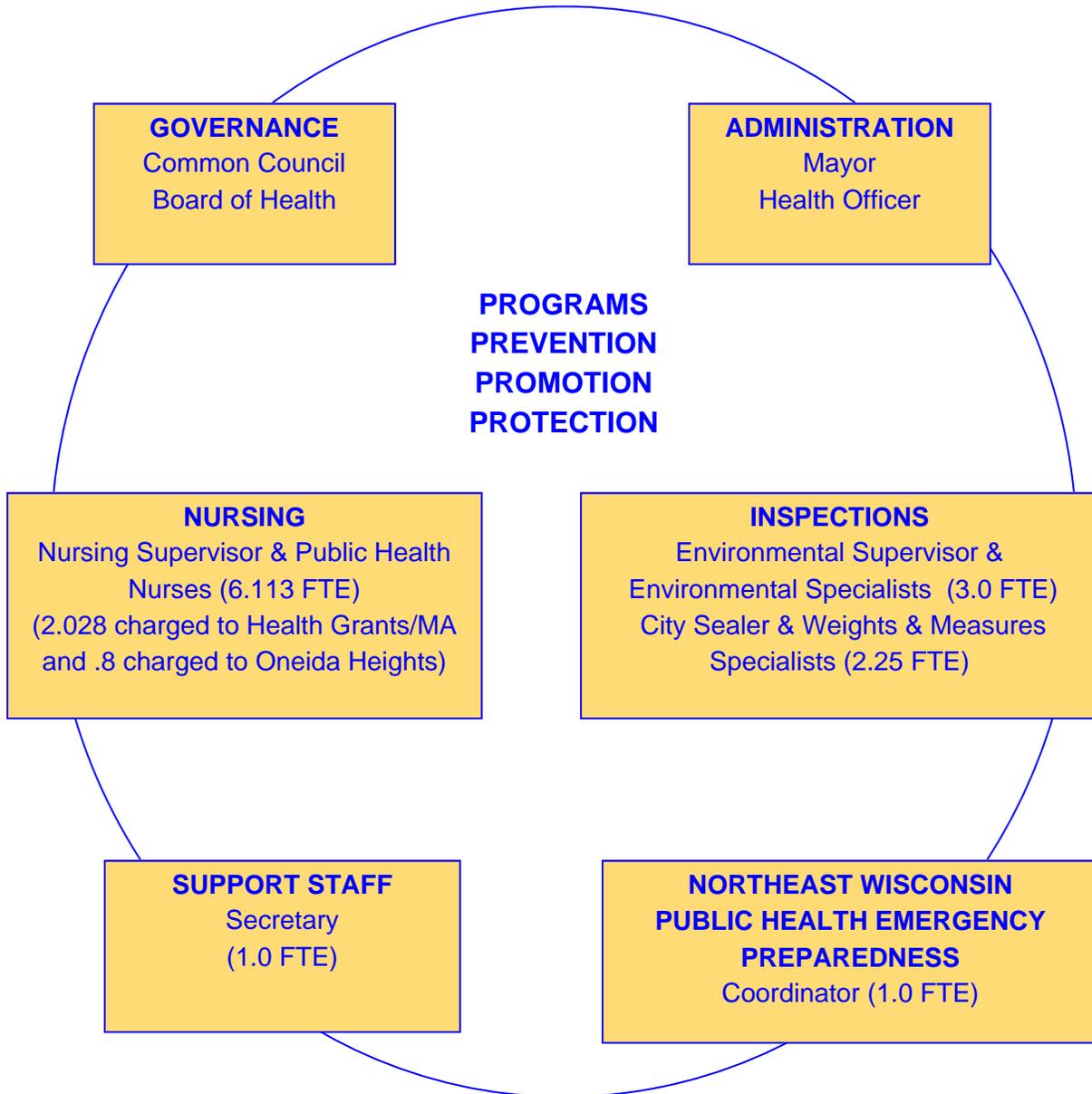
MISSION AND BELIEF STATEMENTS

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
Lee Marie Vogel, M.D., Medical Advisor
Mayor Timothy Hanna
Sally Mielke, R.N.
Aldersperson Cathy Spears
Aldersperson Kathleen Plank

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., 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
Ashley Rankin, R.N., Part-time PHN

Northeast Wisconsin Public Health Emergency Preparedness

Jonathan Lee, Public Health Preparedness Coordinator
Sarah Burmeister, R.S., Public Health Preparedness Coordinator

Support Staff

Britney Stobbe, Secretary IV

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.



Alderperson
Cathy Spears



Alderperson
Kathleen Plank

HIGHLIGHTS OF 2015

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

This past year the Weights and Measures staff advocated for residents in a variety of settings, including:

February 7, Weights and Measures Specialist, Keith Verhagen, made an unannounced visit to the Saturday Indoor Winter Farm Market at the City Center. There were a total of 40 booths. A total of 4,032 items were inspected with only 3 minor 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.

March 23, a re-inspection was performed at Office Max located at 2401 S. Kensington Drive by Weights and Measures Specialist, Keith Verhagen. He detected major violations during the visit which revealed 4 pricing errors (1 overcharge) in a 50 item sample. As the National Price Verification Code tolerance is + or – 2%, the 8% overall error rate found in this inspection was a violation, and indicated problems with the store’s price control system. The store has had a history of price violations and was even cited in 2013 for price scanning violations. Although the store improved from its first inspection it still hasn’t made the necessary steps to avoid simple errors. A warning letter was sent and a re-inspection was conducted in April, where once again major violations were discovered. A second warning letter was sent to the store and a citation was issued. A follow up inspection was conducted in May where errors were found. The citation resulted in a default on June 10, with a forfeiture of \$389.50.

August 1, Weights & Measures Specialist James Richter inspected the Appleton Downtown Inc., Farm Market. Of the 140 vendors inspected, there were eight vendors without the correct signage or labeling issues. The overall compliance was very high. Weights and Measures staff met with farm market vendors in June for the annual meeting which provides information regarding recent changes in policies as well as going over rules and expectations. The meeting, which is mandatory, provides a great foundation for high compliance throughout the Farm Markets summer duration.

September 26, City Sealer Eric Maggio conducted Weights and Measures inspections at the Octoberfest celebration. There were 43 vendors inspected for Weights and Measures compliance of product labeling and trade practice regulations. Booths selling various items such as prepacked 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. This year there were three minor violations found.

“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.”

In February, Public Health Nurse Becky Lindberg, RN, completed the 32 hour Youth Mental Health First Aid USA Instructor Course. This course teaches skills for providing initial help to young people (ages 12-18) experiencing mental health problems such as depression, anxiety disorders, psychosis and substance abuse disorders until professional treatment is obtained or the crisis resolves. This training was a result of the Project Aware grant awarded to the Appleton Area School District. In collaboration with the school district, youth mental health training is now provided by Becky and other trained leaders to community members in the greater Appleton area over the course of the two year project period.



In 2015, our department proactively responded to the outbreak of measles that spread to many states including Michigan, Minnesota and Illinois. Working closely with our public and private schools, we identified who was most at risk of contracting and spreading this disease. Then, in partnership with our health care partners, we offered two free MMR (measles, mumps, rubella) vaccination clinics for Appleton public and private school students and staff in February. These clinics were offered to staff and children who were not up-to-date on the measles vaccination. Participating/partner agencies included ThedaCare, Affinity Health System, the Appleton Fire Department, Gold Cross Ambulance, and public and private schools in Appleton. This represented a significant work load which the school nurses assisted with by reviewing student immunization records.



Environmental Supervisor Tim Mirkes, RS, conducted a courtesy inspection at the Boys and Girls Club food service kitchen at the request of the Food Manager. No items were noted in need of correction. Although not required, but recommended in last year's report, the manager has become a Certified Food Manager. While the Boys and Girls Club is exempt from licensing, it is still important to assure safe meal delivery.

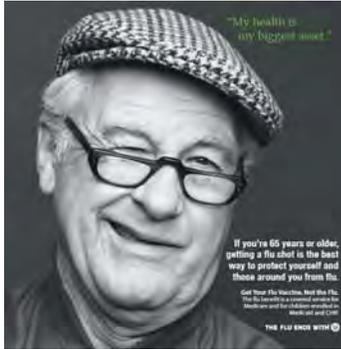
In May, Michelle Roberts, RS, conducted food stand inspections at the annual Xavier Food Fair event. This is a larger event so the Health Department provides additional group training to the food service volunteers prior to the event. No major issues were found during the inspections.



In July, Steve Kihl, RS, investigated a consumer's concerns regarding tuna he recently had at Pullman's Restaurant. He said he felt sick after consuming a portion and had concerns the tuna was part of a national recent tuna recall. Kihl let the consumer know that the restaurant uses a different supplier than the tuna implicated in the recent Salmonella recall. Given this, and the quick onset of symptoms and fairly quick recovery, Kihl did not believe the symptoms were related to a Salmonella infection. He did,

however, find that Pullmans’s storage conditions for the raw tuna were above required temperatures. All the thawed tuna was ordered to be discarded and corrective action was taken. After relaying his findings, the consumer said he was “Glad to see people like you protecting the public’s health and welfare”!

July 26, Michelle Roberts, RS, conducted food stand inspections at the annual Art in the Park event. Several Food code violations were found during the inspections.



In September, the Health Department sent letters and posters to faith based organizations in hopes of partnering to prevent the spread of influenza (flu). Many locations responded by requesting hand sanitizer and additional posters. The response was a 26% increase over last year. There were 170 flu prevention posters and 91 bottles of hand sanitizer given out prior to this year’s seasonal influenza.

Each year, the Octoberfest organizers provide training to the participants of Octoberfest. They require attendance at one of two scheduled vendor-training meetings in order to participate in the event. Health Department staff provides the food service training 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 250 people present at the training meetings.

In 2015, there were 100 food stand inspections and 9 re-inspections conducted by the Health Department during License to Cruise and Octoberfest. Eleven food stand inspections were conducted at License to Cruise. Eighty nine non-profit food stand inspections were conducted at Octoberfest. Of the 100 stands that were inspected this year, 69 food stands had no violations at the time of the inspection. There were a total of 28 violations recorded at 20 food stands during Octoberfest and 12 violations found at 5 food stands at License to Cruise.

In 2015, our Public Health Preparedness Coordinator Sarah Burmeister, R.S., worked on a Mass Care Operations checklist to close multiple gaps in the Mass Care capability. The Mass Care Operations checklist assists contracted local health departments should the need for a temporary shelter arise during a disaster. The consortia partners (comprised of Menasha, Waushara, Green Lake, Marquette and Appleton) also collaborated on updating the Hazard Vulnerability Assessment. The assessment determines what emergencies are most likely to occur in our community.



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

Our department places a high priority on educating the public as to how they can prevent illness and injury. This year, staff provided a variety of education sessions throughout the community including the following:

January 5, Public Health Nurse Becky Lindberg, RN, presented on “Safe to Sleep” at Appleton Medical Center’s (AMC) Mommy and Me group. Eight moms and their babies were in attendance.



February 16, Public Health Nurse Tina Pelishek, RN, partnered with Cindy Brylski-Breit, RN, of Outagamie County Public Health to present on the topic of Communicable Diseases to 60 childcare professionals. This educational event was held at the Childcare Resource and Referral Center.



February 17, Public Health Nurse Kathleen Sprangers, RN, trained 7 public health nursing staff on vaccine storage and handling requirements.

February 25, Kathleen Sprangers, RN, provided education on Childhood Lead Poisoning Prevention to 10 women and their families at Harbor House.

February 26, Public Health Nurse Trish Schuldes, RN, presented on, hand washing, ways to stay healthy, and the dangers of second hand smoke to 20 parents and staff at B.A.B.E.S in Appleton.

March 2, Public Health Nurse Jess Moyle, RN, and Becky Lindberg, RN, trained the staff at the Appleton YMCA Childcare on the Ten Steps to Breastfeeding Friendly Child Care Centers. The Director and three staff members were present for the initial training. Training included a power point presentation, created by the Wood County Breastfeeding Coalition, on the ten steps and breastfeeding basics, followed by a post test. Jess and Becky are checking in with the center monthly to offer support and resources as they complete the ten steps. After all 10 steps are met, the center will be designated as “Breastfeeding Friendly”.



March 25, Health Officer Kurt Eggebrecht, presented a Health Professionals Perspective at the County Road CA/State Highway 125/College Avenue Corridor Study. The Corridor Study will provide a critical look at existing conditions from a health, safety, planning, business development and engineering perspective.

This year, public health nursing staff provided several learning opportunities for children and their parents who attend the new Community Early Learning Center. This center uses several early childhood agencies and staff. For example, on January 20 Becky Lindberg, RN, presented “How sleep affects my development.” Then on January 27 she discussed the importance of socio-emotional development in young children. Tina Pelishek, RN, spoke on the

topic of safe sleep on January 22. Tina returned on March 3 and 5 to discuss the socio-emotional development in young children. April 7 and 9, Tina



Pelishek, RN, provided education to 11 parents and 8 children about home safety and falls prevention. May 5 and 7, Kathleen Sprangers, RN, presented on Lead Poisoning Prevention at the Community Early Learning Center in Appleton. Eighteen parents and their children were in attendance. May 6, Becky Lindberg, RN, collaborated with public health nurses from the Outagamie County Health Department and Menasha Health Department to present on the role of public health nurses and local health department. This presentation was at a resource sharing event.

April 17, Public Health Nurse Ann Steele, RN, presented on “Healthy Habits” at the Appleton Parks and Recreation Little Learners program. Fifteen children, ages 3 through 5 years, were in attendance.

April 23, Health Officer Kurt Eggebrecht, moderated a keynote session at the Wisconsin Health Education conference held in Madison. The theme of the conference was “Advancing Health Enhancement Strategies and Opportunities with Diverse Wisconsin Communities” and drew more than 100 participants from across the state.



May 1, Becky Lindberg, RN, gave a presentation on safe sleep to 20 teens and 20 adults at the Teen Parent Conference. This annual event was held at Fox Valley Technical College.



May 1, Health Officer Kurt Eggebrecht was a member of a panel presentation at the Wisconsin State Forum for Advancing Healthy Communities, held at the Fluno Center in Madison. The focus was to explore the potential of creating a Public Health Fund to support local communities.

May 4, Kathleen Sprangers, RN, provided education about childhood immunizations at a Mom and Me class at the Appleton Medical Center (AMC). Sixteen mothers were in attendance.



May 6, Environmental Health and Weights and Measures inspectors conducted training for participants of the Appleton Downtown Inc. (ADI) farmer's markets.

May 6, Becky Lindberg, RN, and Kathleen Sprangers, RN, provided education at the Boys and Girls Club Wellness Fair. The topics were, "No Health without Mental Health", and "No Lead Means a Healthy Head". One hundred forty-four children were in attendance.



May 19, Tina Pelishek, RN, provided education on "Communicable Disease Prevention and Control in the Daycare" to 18 childcare providers at Faith Lutheran Childcare Center.

May 19, in partnership with NEWIC (Northeast Wisconsin Immunization Coalition), Kathleen Sprangers, RN, coordinated a public viewing of "Invisible Threat", an educational documentary about vaccines. A viewing was held at the Appleton Public Library and six people attended.

June 11, Becky Lindberg, RN, and Trish Schuldes, RN, gave two presentations at St. Elizabeth's Hospital to Maternity staff nurses. The theme of the presentations were, "Now that you're sending them home...remember public health". Thirty six staff nurses attended.

During the summer of 2015, Appleton Health Department staff, along with staff at multiple local health agencies across the state and the Wisconsin Division of Public Health,

investigated an outbreak of blastomycosis. This outbreak was among people who visited the Little Wolf River in Waupaca County, near New London, on or after Memorial Day weekend (May 23-25, 2015) and continued into float trips through August. Signs and symptoms of infection may develop 2-15 weeks after exposure, so cases were investigated throughout the summer and early fall. Although, many more became ill, Appleton public health nursing staff provided investigation,



education and follow-up for seven confirmed and two probable cases of Appleton residents during the third quarter of 2015. Health Officer Kurt Eggebrecht, communicated with the public numerous times by TV, radio and print media as well as updates to the Board of Health.

August 24, Becky Lindberg, RN, provided an overview of the Youth Mental Health First Aid Program to state and local health department partners during the Mental Health Focused On-Line Learning Community. Twelve public health professionals were in attendance.

September 15, Ann Steele, RN, and Jess Moyle, RN, provided education on “Communicable Disease Prevention and Control in the Daycare” to forty childcare providers and parents at the YMCA Child Learning Center.



Ann Steele, RN, and Kathleen Sprangers, RN, created a display to promote Childhood Lead Poisoning Prevention. This educational display was available for the community to view at the Appleton Public Library for the entire month of October.

October 15, Becky Lindberg, RN, and Kris Eiden, RN, presented at the Lawrence University Wellness Fair. This event was held at the Warch Campus Center and the theme of their presentation was “Preventing Disease.” Topics included influenza, handwashing, and sexually transmitted infections. Seventy-five students and staff were in attendance.

October 16, Ann Steele, RN, taught handwashing at a session of “Little Learners”, an Appleton Parks and Recreation program. Fourteen children and two adults were in attendance.

October 19, Becky Lindberg, RN, presented at Stronger Together Fox Valley’s Good Early Start Team. She discussed the role of the Appleton Health Department and work that we do with families in Appleton, Twelve professionals were in attendance.

November 2, Health Officer Kurt Eggebrecht, presented to the Appleton Noon Lion’s Club. He spoke on the topic of core public health services and the history of last summer’s blastomycosis outbreak.



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

In January and February, Becky Lindberg, RN, provided TB skin testing for Appleton Fire Department employees. Seventy-six screenings were completed.

February 11, the administrative team, Britney Stobbe and Kurt Eggebrecht completed CPR training. This support will improve our response capacity at our immunization clinics. The class was taught by Appleton Fire Department staff.

June 20, the Health Department supported Family Services Inc. with their annual Butterfly Festival event. More than \$70,000 was raised to support The Parent Connection program which builds resiliency within families. Health Officer Kurt Eggebrecht, serves on Family Services, Inc., Board.



For several months this year, department staff worked with an Appleton resident who was diagnosed with active tuberculosis disease. The resident needed to be held in isolation to prevent further spread within the community and received appropriate health care during this time. Public health nursing staff provided daily health assessments and Directly Observed Therapy (DOT) (medication). Department nursing staff also worked to



ensure that people at risk, who had contact with the resident during the several months before the diagnosis, were offered screening for tuberculosis. This contact investigation included the workplace of the resident, where more than 100 people were identified as being at risk and were offered screening. Dozens of other

relatives, friends and healthcare staff were also screened. Our department worked closely with the state TB staff and Winnebago County Health Department staff to coordinate efforts. This case required 9 of months of treatment but resulted in a cure and the individual is now back to work living a normal healthy lifestyle. There are no secondary cases in the community as a result of this effort.

The Environmental Health Program serves as a state agent for establishment inspections. The State license year 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 \$95.00. This year, 36 establishments were required to pay the late fee, (34 in 2014). The city municipal ordinance also states “Establishments operating on July 15 without a proper license shall be ordered closed by the Health Officer.” With the assistance the Appleton Police Department, three bars were closed after midnight on July 15 for operating without a valid license. An additional five establishments were closed until payments were made.

In 2015, we welcomed forty-two of new refugees to Appleton. Public health nurses provided the initial health assessment and review of medical records. Nurses also provided linkages with medical and social support based in those visits. Many of these individuals and their families benefit from continued public health nursing services.



In 2015, health department nursing staff provided 330 doses of influenza vaccine to City of Appleton employees, elected officials, their partners and children 9 years of age and older.



“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.”

January 29, the annual Weights and Measures Policy and Procedure training was held 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 Taxi Meter Testing that was published in the 2015 Policy and Procedure Manual. Eric also gave a presentation of the procedure to Wisconsin Department of Trade and Consumer Protection staff and other municipal Sealers at the training.

Annually, City Sealer Eric Maggio and Health Officer Kurt Eggebrecht, meet with the eight contracted Consortium municipalities of Ashwaubenon, Berlin, Kaukauna, Kimberly, Little Chute, New London, Ripon and Waupaca. The yearly meetings provide a chance to have a dialog regarding services, staff performance, budgets and to answer any questions about the work we’ve done during the year. We continue to hear positive feedback regarding this partnership.



In November, the annual Weights & Measures survey was sent to a randomly selected seventy businesses representing 1/3 of all businesses inspected. Businesses were given 30 days to complete and return. Results were once again very positive and kept on file for review.

In coordination with Mosaic (formally UW Fox Valley Family Medicine Residency Program), two resident Physicians met with Environmental Supervisor Tim Mirkes, RS, to learn about the Environmental Health responsibilities at the 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.



February 12, Appleton Health Department met with Wisconsin Department of Health Services (DHS) for our Midyear Report meeting for the Public Health Emergency Preparedness (PHEP) grant year. The meeting was hosted by our department and held at Fire Station #6. Several other local health departments from throughout northeast Wisconsin attended. The Midyear Report meeting allowed Appleton Health Department to highlight our planning efforts toward the priority capabilities of Community Recovery, Mass Care and Fatality Management and pose questions to DHS regarding strategies to further implement these capabilities into our preparedness program. Mass Care is providing services to large numbers of people displaced or disturbed during an emergency event. Services include basic human needs such as shelter and food. American Red Cross is a key partner in providing these services to the community during an emergency, and our North East Wisconsin (NEW) Public Health Preparedness Partnership invited our local American Red Cross to our meeting to discuss their mass care activities. Resources shared by American Red Cross and Centers for Disease Control (CDC) were subsequently adopted into our Public Health Emergency Plan (PHEP) for use during disasters.

Appleton Health Department staff provided input to the City of Appleton Emergency Operations Plan (EOP) this year to update our citywide emergency response plan. The health department made specific updates to the sections of the plan regarding health services.

Public Health Preparedness Coordinator Sarah Burmeister, RS, also assisted Green Lake County this year as they exercised the impact of a tornado. A simulated Family Assistance Center was activated during this exercise.

Health Officer Kurt Eggebrecht and other core team members of Weight of the Fox Valley have been crafting a new five year strategic plan to present to the leadership team. This project continues to grow in scope and participation.



In 2015, department staff and the Legal Service Department researched and then drafted a revision to the City Ordinance related to the keeping of honey bees in residentially zoned areas within the city.

In 2015, we field tested a program called “Exercise Prescription,” a program which is designed to encourage an increase in physical activity. Representatives from Park and Recreation, GIS and Health partnered with Mosaic Health to pilot the project within their physician residency program. The concept is to encourage communication between physicians and clients interested in improving their health through regular exercise. The physician writes an appropriate exercise prescription suggesting they choose pre-identified City parks that have been selected and measured for distance and accommodations. Individuals can also chart a prescribed distance right from their doorstep.

Appleton, along with four area health departments and four health care systems, has been collaborating on a regional community needs assessment. Utilizing the Center for Disease Control Behavioral Risk Factor Surveillance Survey (BRFSS) we have contracted with St. Norbert’s Survey Research Club. More than 1,600 surveys (20 minute phone interviews) have been completed. In Addition, key leadership surveys have been conducted this quarter to augment the BRFSS results. This data will be used in the coming year as we prepare our departments’ prevention priorities.



Health Officer Kurt Eggebrecht was requested to serve on the State Health Innovation Plan (SHIP) Population Health Advisory Panel. This Wisconsin initiative is to develop and test a framework for transformation that includes new models of population health management, healthcare delivery and payment modeling.

In November, Steve Kihl, RS, was asked to assist on the State Pool Code Committee. This committee is charged with categorizing each pool code violation into the various risk categories.

“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.”

Critical to our department’s success is maintaining an informed and motivated workforce. This past year staff participated in a variety of training opportunities including:

January 22, Public Health Nurse, Kris Eiden, RN, attended a presentation on a Peer Run Certified Peer Specialist program at Goodwill. This presentation was sponsored by National Alliance on Mental Illness (NAMI) Fox Valley.

In February, Michelle Roberts, RS, and Steve Kihl, RS, successfully completed the Wisconsin Food Code Standardization Maintenance exercises with Tim Mirkes, RS, as the evaluator of the exercise. The purpose of standardization maintenance is to promote statewide inspection 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.

February 19, two members of Appleton Health Department attended training by National Alliance on Mental Illness (NAMI) Fox Valley regarding Trauma-Informed Care at Riverview Gardens.

In March, Environmental Supervisor Tim Mirkes, RS, 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 tuberculosis (TB) and asbestos.



March 11 and 12, Environmental Supervisor Tim Mirkes, RS, attended the 48th Governor’s Conference on Emergency Management and Homeland Security. The theme for the conference was “Preparing with the Whole Community.”

March 11, Tina Pelishek, RN, Jess Moyle, RN, Ann Steele, RN, and Pam Wampole, RN, attended the presentation “Good Drugs Gone Bad” at the Appleton Housing Authority.

March 12, Tina Pelishek, RN, and Trish Schuldes, RN, attended the Annual First Breath Program conference in Rothschild, WI. First Breath is a tobacco prevention program for pregnant woman.

March 12 and 13, Jess Moyle, RN, attended the annual Wisconsin Association of Lactation Consultants Conference at the Radisson Paper Valley Hotel in Appleton.

March 13, Sonja Jensen, RN, and Becky Lindberg, RN, attended an educational training, “Congolese Refugees: Culture, Experiences and Resettlement Issues – The Fox Valley Effort” at the Hmong-American Partnership in Appleton. This presentation was sponsored by World Relief Fox Valley.

From March 15-21, Preparedness Coordinator Jon Lee, attended training at the Center for Domestic Preparedness in Anniston, Alabama on Healthcare Leadership during emergencies. Jon worked with over 60 other healthcare and public health professionals from Wisconsin during the FEMA-sponsored course paid for by the Department of Homeland Security budget. This intensive week of training and exercises focused on responding to a variety of health emergency scenarios, culminating in a full-scale exercise on the final day, where Jon worked alongside 4 other North East Wisconsin (NEW) Public Health Preparedness Partnership members in the public health Emergency Operations Center (EOC). Hospital workers and first responders from throughout Wisconsin, including systems in the Appleton area also participated in this training, strengthening our community's ability to respond to all facets of a health emergency by training professionals from several disciplines in how to respond efficiently and cohesively.



March 23, Public Health Nurses Ann Steele, RN, and Tina Pelishek, RN, attended training on Disaster Behavioral Health held at Liberty Hall in Kimberly. This course has provided by University of Minnesota School of Public Health.

March 26, Kris Eiden, RN, attended a presentation on the Oxford House Community Outreach Center at Goodwill Center in Menasha, sponsored by Valley Packaging.

*Advancing
public health
performance*

April 8, Sonja Jensen, RN, attended the Northeast Region Community of Practice, with a focus on: "Accreditation, Performance Management, and Quality Improvement."

April 10, Becky Lindberg, RN, attended the Early Childhood Mental Health Seminar at Fox Valley Technical College. This seminar was sponsored by the Wisconsin Alliance for Infant Mental Health.

April 21, Susan Larson, RN, attended a presentation at UW Fox Valley entitled, "No! I Am Not a Terrorist!" The speaker was Zahara Sawari, a Muslim author originally from Afghanistan.

April 23, Sonja Jensen, RN, attended the 2015 TB Summit in Verona. This training was sponsored by Public Health Madison/Dane County and Mayo Clinic.

April 25, Tina Pelishek, RN, attended a conference in Wautoma, sponsored by the Tri-County Healthy Babies Coalition. The topic was: "Opioid Dependence during Pregnancy and Beyond."

April 28, Kathleen Sprangers, RN, attended the Wisconsin Immunization Registry User Group meeting in Fond du Lac.

April 29, Sonja Jensen, RN, attended the Wisconsin Immunization Registry User Group meeting in Green Bay.

April 30, Public Health Nurses, Tina Pelishek, RN, and Becky Lindberg, RN attended the Mental Health Awareness Month Kickoff in Appleton. This was sponsored by the NEW Mental Health Connection.

May 6, Trish Schuldes, RN, attended a Breastfeeding Update at St. Elizabeth's Hospital in Appleton.



From May 19-21, Health Officer Kurt Eggebrecht attended the combined Wisconsin Public Health Association and Wisconsin Association of Local Health Departments and Boards annual conference. Eggebrecht, who serves on the Board of Directors for both organizations, received a training scholarship from the state to participate.



May 27, Ann Steele, RN, and Kris Eiden, RN, attended Wisconsin HIV Partner Services Annual Meeting at the Radisson Paper Valley in Appleton.

May 27, Tim Mirkes, RS, and Pam Wampole, RN, attended an Integrated Pest Management Seminar of bed bugs, held at Oneida Heights.

June 3, Becky Lindberg, RN, represented health department at the Wisconsin Statewide Maternal Child Health Advisory Committee meeting in Madison.

July 7, Kathleen Sprangers, RN, completed the Lead Sampling Technician Recertification Training in Eau Claire.

July 15, Jess Moyle, RN, attended Community Health Connections presentation for the Weight of the Fox Valley at the Bridgewood Resort in Neenah.

August 5, Becky Lindberg, RN, Jess Moyle, RN, and Trish Schuldes, RN, participated in a First Breath Program (pregnancy smoking prevention program) update, held at the Appleton Health Department.

September 2, Sonja Jensen, RN, and Becky Lindberg, RN, attended the State Refugee Office's Quarterly Update in Oshkosh. This update featured an overview of the current Syrian conflict and refugee crisis and featured a panel presentation on Syrian refugees.

September 14, Becky Lindberg, RN, attended a training sponsored by Waupaca County Health and Human Services entitled, "Understanding Adverse Childhood Experiences: Building Self-Healing Communities." This training was held in Neenah at the Wenzler Center.

September 15, all Public Health Nursing Staff, along with Administrative Assistant, Britney Stobbe, completed CPR refresher training. This training was provided by Appleton Fire Department Staff.

September 22, all department staff participated in an off-site team building education day. This year's theme was on sustainability and what we can do as a department and as individuals. We had speakers from Wisconsin Energy (WE), City Facilities Management, Outagamie County Recycling and the master gardening program. Staff evaluations were very positive and information regarding reducing energy use has been highlighted as a valued learning outcome.



October 1, Becky Lindberg, RN, Jess Moyle, RN, and Trish Schuldes, RN, attended the First Breath Regional Practice session at the Appleton Public Library. The topic was, "The Significance of Stress".

October 6, Sarah Burmeister, RS, attended Disaster Behavioral Health training in Green Bay. This training discussed the results of a disaster on mental health and what can be done to lessen the impact for both survivors of a disaster and responders.

October 7, Steve Kihl, RS, and Michelle Roberts, RS, attended the Lead Risk Assessor Refresher meeting in Green Bay.

From October 12-14, City Sealer, Eric Maggio, and Weights & Measures Inspector, Keith Verhagen, represented Appleton and the East Central Weights & Measures Consortium by attending the annual conference in Stevens Point. This conference provided various package and labeling inspection trainings, City Sealer, Maggio, provided ice cream novelty inspection training. At the conference W&M Inspector, Keith Verhagen, was voted as Wisconsin Weights and Measures Association President.

October 14, Kathleen Sprangers, RN, and Sonja Jensen, RN, attended the Vaccines for Children Workshop at Northeast Wisconsin Technical College in Green Bay. This annual training was sponsored by the Wisconsin Immunization Program.

October 20, Jess Moyle, RN, and Trish Schuldes, RN, attended the Prenatal Care Coordination regional meeting at the Menasha Library.

October 22, Tim Mirkes, RS, Michelle Roberts, RS, Steve Kihl, RS attended the annual Wisconsin Department of Agriculture, Trade and Consumer Protection (DATCP) fall agent meeting.



November 4, Sue Larson, RN, Becky Lindberg, RN, and Kathleen Sprangers, RN, attended, "Caring for Refugees: What the Healthcare Team Needs to Know". The event was held at Appleton Medical Center.



**WISCONSIN
BIKE FED**

November 6, Health Officer Kurt Eggebrecht attended the Wisconsin Bike Federation Annual Conference held on the Lawrence Campus.

November 9 - 10, Sonja Jensen, RN, Becky Lindberg, RN, and Jess Moyle, RN, attended the annual MCH/Keeping Kids Alive in Wisconsin Summit. The Summit was held in Madison and the theme was "Moving the Needle."

November 18, Ashley Rankin, RN, attended the STD Summit in Milwaukee. The summit was sponsored by the Milwaukee Health Department.

December 16, Tim Mirkes, RS, Steve Kihl, RS, and Michelle Roberts, RS, attended an Emergency Response Planning Tabletop Exercise regarding Wisconsin's ability to respond to a simulated Food Safety Emergency.

In December, Tim Mirkes, RS, successfully completed a Wisconsin Food Code Standardization maintenance exercise with a state evaluator from the Department 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.

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

March 24, Health Officer Kurt Eggebrecht participated in a community panel asked to provide insight to Appleton Area School District. The Health education program is looking to update and make changes to the health curriculum that better reflects current issues and needs of students.

In 2015, public health nursing staff continued to provide directly observed therapy to residents being treated for active and latent tuberculosis (TB). This is important because latent TB can become active TB if not treated.

In early May, our department completed another Quality Improvement (QI) project. The retirement of a long serving Administrative Assistant, Renee Krajna, provided an opportunity to review our staffing needs to meet our department goals. This QI project resulted in transferring foot traffic and phone triage to the 5th floor customer service desk, while increasing remaining responsibilities directly onto health department staff, including administrative staff. We appreciate the years of service Renee provided to the residents of the city.



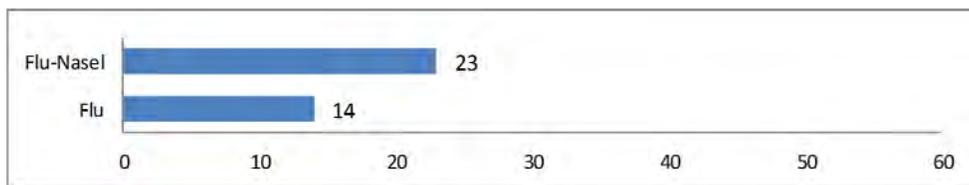
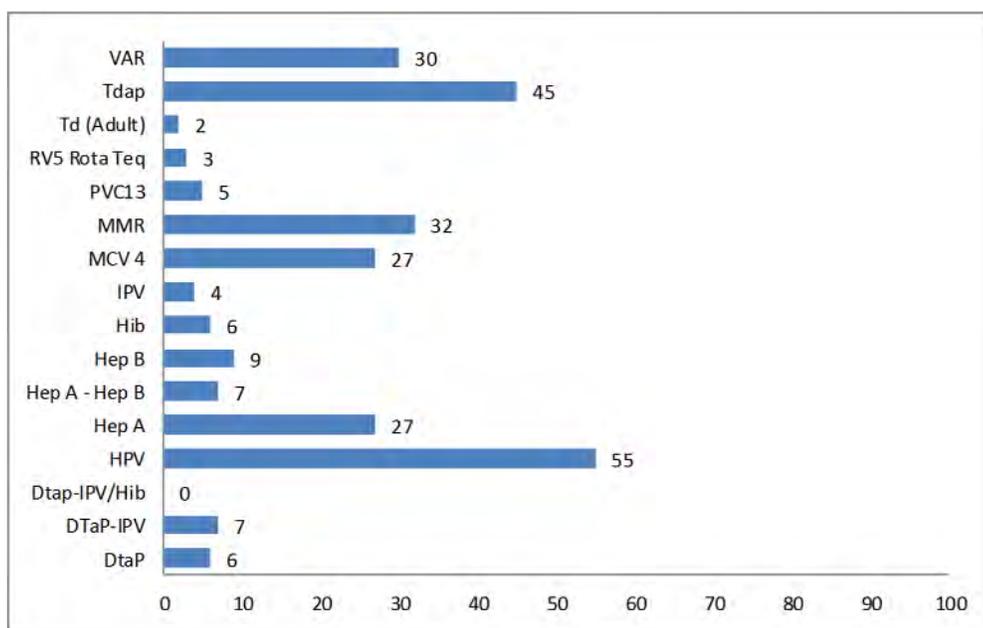
Also in 2015, our department conducted a second Quality Improvement (QI) project addressing our administration of immunizations. As a result of the Affordable Care Act, residents are to be encouraged to seek immunizations from their health care provider once they have secured health insurance. As a result, our immunizations are provided to the uninsured or underinsured residents reducing the number served. Our QI project resulted in more frequent opportunities for these residents to receive vaccine while reducing public health staff time. This project was presented to the Board of Health prior to implementation to receive input and support of this change.

COMMUNICABLE DISEASE PROGRAM

Communicable disease services are designed to prevent disease and promote health in the community. Epidemiological and regulatory services 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 2015, 212 clients received 467 doses of vaccine.

Vaccines Administered in 2015



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 2015, Appleton continued to see an elevated number in reported cases of Chlamydia and Gonorrhea. Providers are testing regularly and Public Health Staff continue to attempt follow-up for prevention education.

In 2015, nursing staff worked with the Wisconsin Department of Health Services to control Gastrointestinal illness outbreaks in seven long term care facilities. Lab testing, staff education and symptom monitoring services were provided. Also, nursing staff assisted seven long term care facilities with respiratory illness outbreaks.

The Department also received 21 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 (DOT) in 2015.

Tables showing numbers of cases and rates per 1000 population for all gastroenteric and sexually transmitted diseases are located on page **45**. Additionally, page **46** 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 attempts 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 Wisconsin) 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 seven referrals received for this program during 2015.

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 and 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 2015, 81 individuals were served and 173 lab tests were performed resulting in 22 treatments for positive cases.

Foodborne Outbreak Illness Investigation

There were no foodborne outbreaks investigated or reported to the State Division of Public Health in 2015.

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 2015, the State provided \$4,650 of fee exempt service to the City. A table of exact types and numbers of test performed is located on page 47.

Occupational Health

Collaborative efforts in providing occupational health services related to communicable disease continued in 2015. 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. Annual licensed food establishment inspections are conducted, and consultation plus 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	2010	2015
SWIMMING POOL WATER SAMPLES		
Total number of pool samples	240	260
Total number of pool re-sampled	0	1
Total positive Heterotrophic Plate Count	0	0
Total positive coliform	1	3
RABIES SPECIMENS		
Total number shipped	6	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 2014/15 is compared to 2009/10. In the 2014/15 license year, the Department issued 477 licenses and 147 non-profit food permits compared to 444 licenses and 209 non-profit food permits in 2009/10. In 2014/15, three plan reviews were completed, and in 2009/10 there were seven plan reviews completed for new or re-modeled establishments. In 2014/15, 61 pre-licensing inspections were conducted for new or change-of-operator establishments compared to 50 pre-licensing inspections in 2009/10.

LICENSES/REGULATED ESTABLISHMENTS

2009/10 COMPARED TO 2014/15

Type of Establishment	Number of Inspections		Number of Consultations		Number of Complaints		Number of Re-inspections and Complaint Follow-ups	
	2009/10	2014/15	2009/10	2014/15	2009/10	2014/15	2009/10	2014/15
Public Eating and Drinking Establishments; Temporary Restaurants; Non-Profits	464	393	326	344	31	40	105	103
Permanent and Temporary Retail Food Establishments	116	94	93	92	4	7	25	17
Lodging Establishments; Rec/Ed/Campground	7	9	6	4	0	1	0	1
Manufactured Home Communities	1	1	5	0	0	0	2	0
Vending Machines	37	0	1	0	1	0	0	0
Swimming Pools	27	30	8	11	1	3	0	3
Tattoo/Body Piercing Establishments	12	9	13	26	2	1	0	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 2015 focused on a collaboration with Community partners in the area of mental health 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 6 **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.

In January of 2015, a new lead prevention outreach program to families of children who are six months of age and live in pre-1950 housing was initiated. All Appleton families identified receive a letter and brochure informing them about lead paint and its hazards. A follow-up phone call is made a few weeks after this letter offering lead prevention education services. The overall goal is to create healthy and lead-free housing for Appleton City Residents.

Elevations (ug/dl)	2010	2011	2012	2013	2014	2015
Venous Lead Levels > 19 ug/dl	0	3	2	3	4	1
Venous Lead Levels 10-19 ug/dl	1	2	4	3	6	3
Capillary Lead Levels > 10 ug/dl	8	5	3	0	4	4

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. The program supports 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

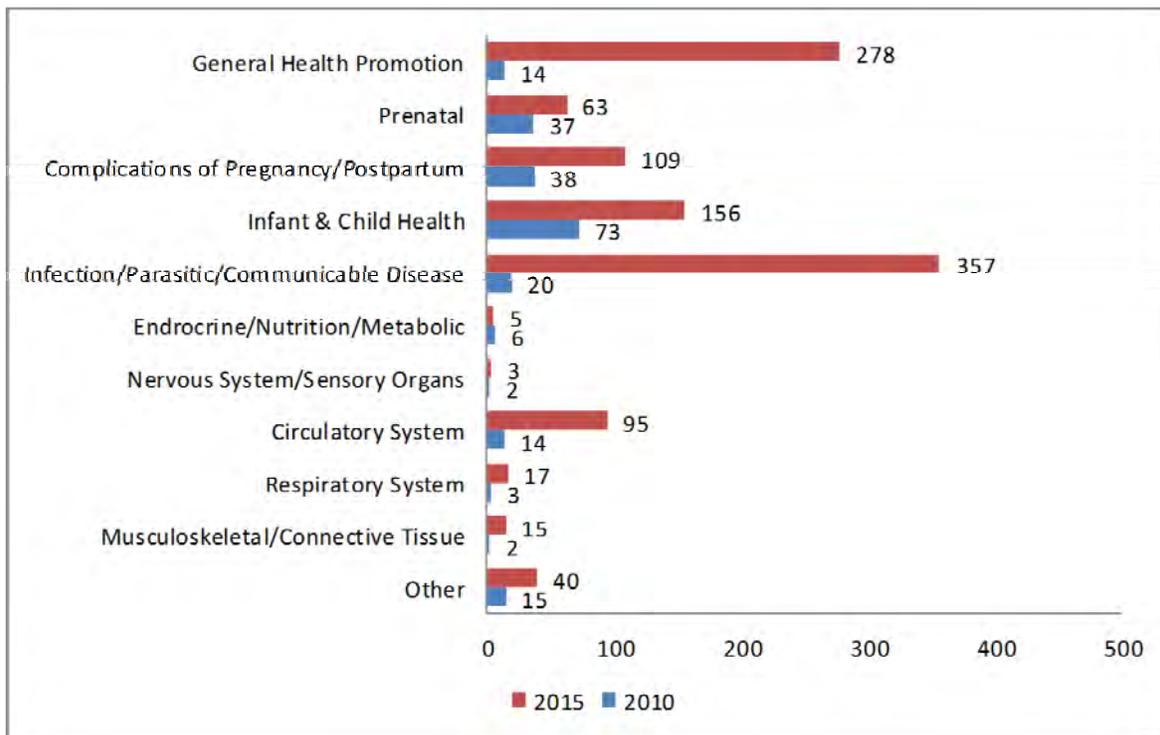
The Public Health Nursing (PHN) caseload consists of individuals and families with complex health problems. The Department received a total of 935 referrals in 2015. A total of 1,149 visits, including admissions, revisits and discharge visits, as well as phone consultations were made to these clients. This compares to 1,219 visits in 2014.

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	2010	2011	2012	2013	2014	2015
Family	2	0	0	0	3	1
Maternal/Child (includes Birth Certificates)	1009	955	1015	966	904	925
Adult/Elderly	10	12	6	19	7	9
Rate/1000	14.07	13.30	14.02	13.47	12.44	12.68

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.

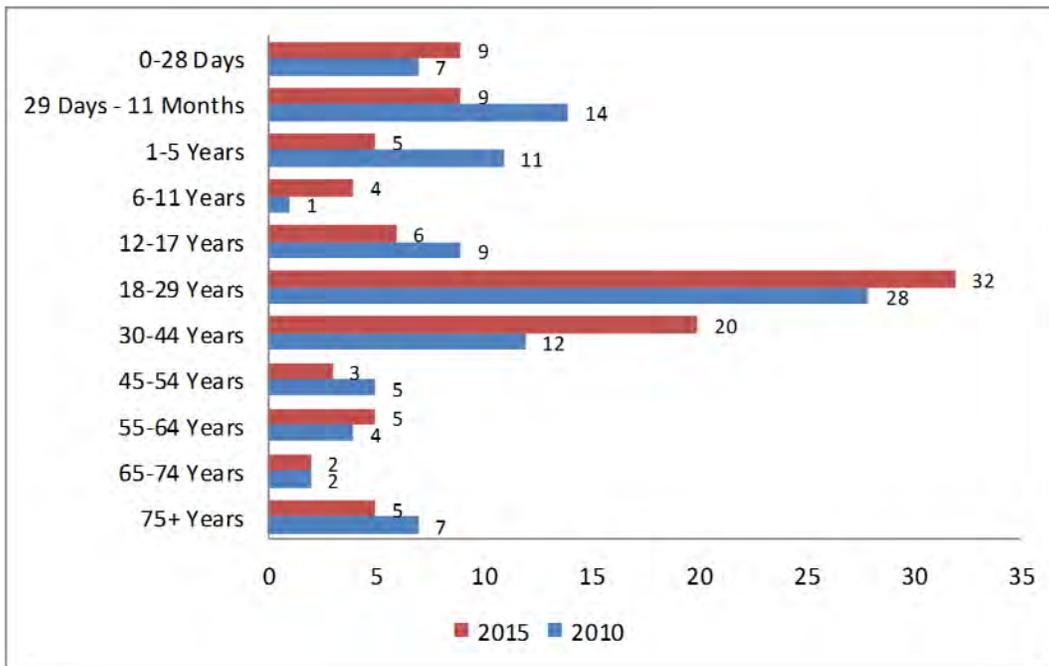
PUBLIC HEALTH NURSING CLIENTS BY PRIMARY PROBLEM



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.

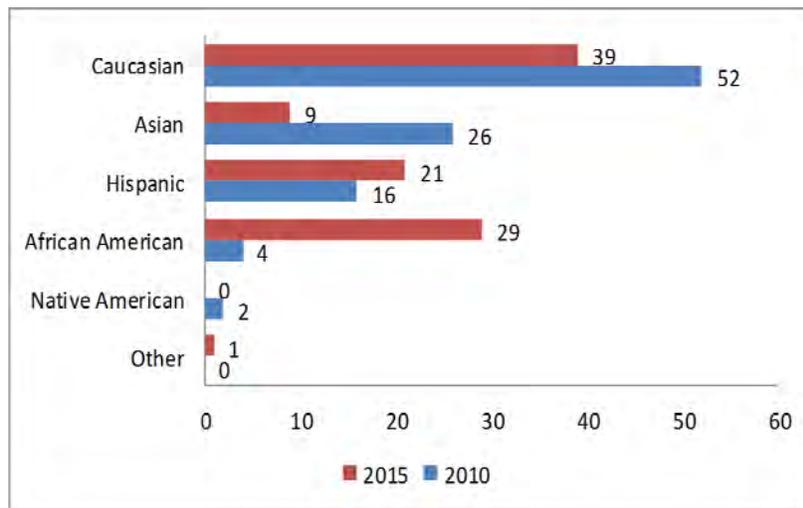
The following graphs describe the 2015 Public Health Nursing caseload by age and race/ethnicity.

PUBLIC HEALTH NURSING CLIENTS BY AGE



Percent Caseload

PUBLIC HEALTH NURSING CLIENTS BY RACE



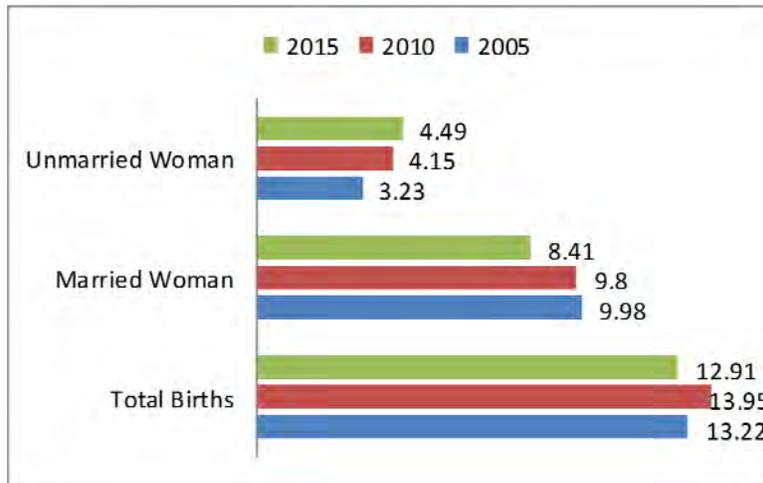
Percent Caseload

The Department is serving an 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 73,463 in 2014 to 73,737 in 2015. The crude birth rate per 1,000 population in 2013 for the State was 11.6, for the City of Appleton was 13.2. The graph below shows crude birth rates based on marital status comparing 2015, 2010, and 2005.

CRUDE BIRTH RATES BASED ON MARITAL STATUS

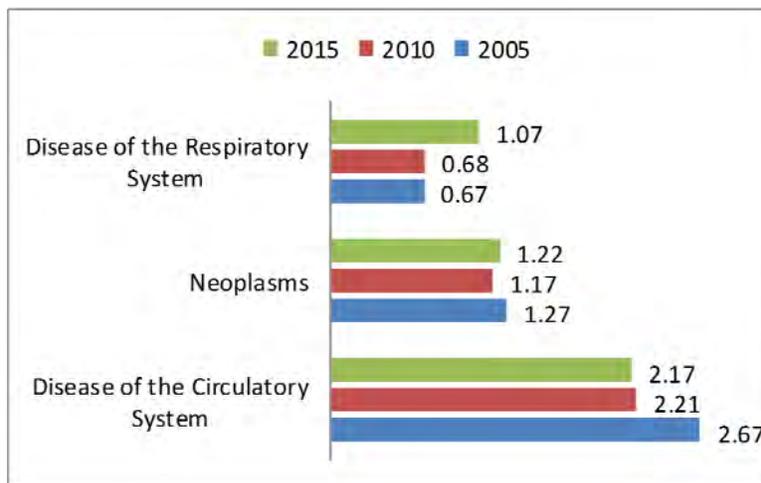
(1000 x Number of Resident Live Births/Total Resident Population)



*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 **52 & 53** 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 2015, there was a 2.8% 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, for the Department of Public Works we are consulted on issues concerning inspections, testing and repair of weights and measures devices and al-

so 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	2013	2014	2015
Food and Convenience Stores	166	169	160
Restaurants	41	39	32
Bakery and Candy Stores	8	12	14
Dairy Plants and Stores	8	11	11
Drug Stores	20	20	30
Hardware Stores	26	26	27
Variety and Department Stores	94	95	104
Gas and Service Stations	35	35	30
Salvage Dealers and Recyclers	8	9	7
Pet Shops and Garden Centers	12	12	13
Industrial Manufacturing Plants	14	12	11
Concrete-Asphalt Plants and Road Materials	15	14	12
Transient Merchants (markets; product; seafood)	205	201	202
Package Shipping and Frieght	14	13	12
Service Laundries and Dry Cleaners	2	1	1
Government Agencies	14	11	6
Solicitors and Door to Door Merchants	77	33	50
Close-out Business and Termination Sales	4	0	0
Second Hand Dealers	43	30	41
Laundromats, Car Washes, and other Timing Devices	4	6	5
Miscellaneous	5	23	29
Mobile Petroleum Dealers	30	37	30
TOTAL	845	809	827

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

TYPE OF DEVICE (% OF NONCOMPLAINT)	2013	2014	2015
Scales and Balances	553 (3.1%)	644 (4.2%)	598 (4.0%)
Measures (Include gas pumps & fuel oil truck meters)	1,051 (3.2%)	1,179 (3.9%)	1,196 (3.6%)
Weights	44 (0%)	97 (0%)	127 (0%)
Total	1,648	1,920	1,921

RESULTS OF PACKAGED COMMODITIES TESTED BY YEAR

PACKAGED COMMODITIES TESTED	2013	2014	2015
Total Units of Product Investigated	84,230	88,788	91,686
Random Sample Size	12,863	12,903	13,431
Total Products/Units Found Short Weight (% short)	2,169 (2.6%)	2,086 (2.3%)	3,871 (4.2%)
Total Products/Units Found Mislabeled (% mislabeled)	6,189 (7.3%)	7,053 (7.9%)	5,289 (5.8%)

PRICE SCANNING INSPECTIONS

PRICE SCANNING INSPECTIONS	2011	2012	2013	2014	2015
Number of Inspections	147	148	129	135	145
Number of Items Scanned	4,566	4,796	4,152	4,279	4,740
Pricing Errors Found	140 (3.1%)	208 (4.5%)	88 (2.1%)	127 (3.0%)	133 (2.8%)

CONSUMER COMPLAINTS BY TYPE AND YEAR

Type of Complaint	2013		2014		2015	
	Number Received	Number Violations	Number Received	Number Violations	Number Received	Number Violations
Foods	1	1	1	1	4	0
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	1	1	0	0
Gas Stations-Pumps	9	2	7	0	7	1
Gas Stations-Service Console	0	0	1	0	3	1
Gas Stations-Price Signage	1	0	9	9	2	1
Gas Stations-Gasoline Quality	1	0	0	0	2	0
Scales-Scrape Metal	0	0	0	0	0	0
Scales-Food	0	0	0	0	4	4
Scales-Other	0	0	0	0	0	0
Scanning	1	0	11	5	11	3
Trade Practices	5	2	1	1	1	0
Advertising	5	3	1	1	0	0
Going out of Business	0	0	0	0	0	0
Temporary Sales	0	0	0	0	0	0
Miscellaneous	3	3	1	1	0	0
Total	26	11	33	19	34	10

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 106 housing sanitation contacts, including consultations, complaints and follow-up inspections conducted in 2015. This represents 25% of non-establishment related Environmental Health program contacts in 2015.

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 seven, representing 1.6% of contacts in 2015.

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 six contacts related to rodent control in 2015.

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 COMPLAINT INVESTIGATIONS				
Nature of Contact	Number of Consultations		Number of Complaints	
	2010	2015	2010	2015
Community Water Supply	0	0	0	0
School/Day Care	7	11	0	0
Surface Water Pollution	20	0	7	1
Animal Nuisances	10	22	4	2
Rabies Control	21	38	0	0
Insect Control	18	41	7	13
Rodent Control	9	3	6	3
Hazardous Substance Control	9	9	1	2
Air Pollution - Indoor	71	30	28	6
Air Pollution - Outdoor	4	1	2	1
Noise	11	40	1	6
Radon	5	4	0	0
Garbage/Rubbish Nuisance	7	1	48	4
Private Residence/Housing	30	24	71	9
Lead	40	6	1	0
Mold	N/A	52	N/A	7
Other Programs	18	7	0	0
Other Business	54	43	5	1
Total	334	332	181	55

COMMUNITY INVOLVEMENT

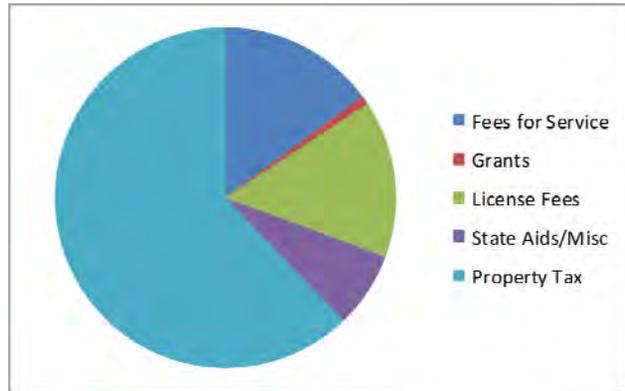
Health Department staff members recognize their role as a collaborative one within the community. As such, staff participate in a variety of community and professional activities including:

Activate Fox Cities	Head Start Advisory Committee
American Public Health Association	Health Smart Team
Breastfeeding Alliance Northeast Wisconsin (BFANWI)	Hispanic Interagency
CHAT Community Health Action Team	Hmong American Partnership Interagency Committee
Community Early Learning Center Planning/Implementation Team	National Conference on Weights & Measures
Cuidate Latino Teen Pregnancy Prevention Program	Northeast Region Environmental Supervisors Group
Fox Valley Early Childhood Coalition	Northeast Region Nursing Supervisors Group
Fox Valley Healthcare Coalition	Northeast Wisconsin Health Care Forum
Emergency Operation Plan Core Team Committee	Northeast Wisconsin Immunization Coalition (NEWIC)
Family Services Inc. Board	Northeast Wisconsin Public Health Preparedness Partnership
Fox Cities Community Council	OB/Local Health Department Coordination Committee
Fox Cities Housing Coalition	Octoberfest Logistics Committee
Fox Cities Kiwanis	Outagamie County Child Death Review Team
Fox Cities/Oshkosh Bike and Pedestrian Steering Committee	Outagamie County Elder Abuse Interdisciplinary Committee
Fox Valley Community Health Improvement Coalition	Northeast Region Prenatal Care Coordinators
Fox Valley Lead Coalition	Regional Mental Health Network
Fox Valley Memory Project Action Team	St. Elizabeth Infection Prevention
Fox Valley Regional Health Coalition	Temporary Food Task Force
Fox Valley Safe Kids	ThedaCare at Home Professional Advisory Board
ThedaCare Infection Prevention	Wisconsin Association of Local Health Departments & Boards—Environmental Health Section
UW Northeastern Regional Research Council (ICTR)	Wisconsin City Caucus of Weights & Measures Officials
UW Population Health Institute Advisory Board	Wisconsin Department of Agriculture, Trade & Consumer Protection, Weights & Measures Policies & Procedures Committee
Weight of the Fox Valley	Wisconsin Health Education Network
Wisconsin Association of Local Health Departments and Boards	Wisconsin Weights & Measures Association (WWMA)

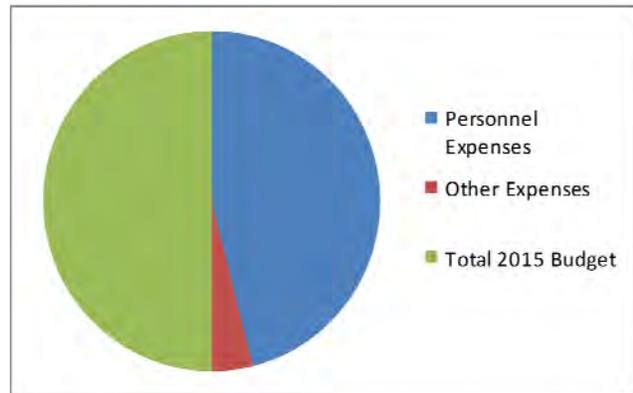
APPENDIX

BUDGET INFORMATION

2015 Actual Funding Source		
Fees for Service	\$199,642	14.8%
Grants	\$11,281	0.8%
License Fees	\$201,001	15.0%
State Aids/Misc	\$96,673	7.2%
Property Tax	\$835,799	62.2%



2015 Actual Expenses		
Personnel Expenses	\$1,238,686	92.1%
Other Expenses	\$105,710	7.9%
Total 2015 Budget	\$1,344,396	



COMMUNICABLE DISEASE DATA

(Rates per 1000 Resident Population)

Gastroenteric Disease	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
Amebiasis	0	0.00	0	0.00	0	0.00
Campylobacter*	15	0.21	8	0.11	14	0.19
Cryptosporidiosis*	1	0.01	9	0.12	2	0.03
E. Coli	2	0.03	3	0.04	3	0.04
Giardiasis	45	0.62	7	0.10	8	0.11
Listeriosis	1	0.01	0	0.00	0	0.00
Salmonellosis	17	0.24	12	0.17	7	0.09
Shigellosis	0	0.00	3	0.04	1	0.01
Yersinia	0	0.00	0	0.00	0	0.00

*Became reportable to local health departments in 2000

Sexually Transmitted Disease	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
HIV*	1	0.01	0	0.00	5	0.07
Chlamydia*	180	2.50	247	3.40	272	3.69
Gonorrhea*	48	0.67	37	0.51	23	0.31
Herpes**	30	0.42	0	0.00	N/A	0.00
Syphilis	0	0.00	0	0.00	0	0.00
Partner Referral Program***	3	0.04	4	0.06	2	0.03
Other STD	0	0.00	0	0.00	0	0.00

*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	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
Blastomycosis	0	0.00	2	0.03	10	0.14
Ehrlichiosis/Anaplasmosis	N/A	N/A	5	0.07	4	0.05
Haemophilus Influenza	N/A	N/A	0	0.00	1	0.01
Hepatitis A	1	0.01	0	0.00	0	0.00
Hepatitis B	2	0.03	0	0.00	4	0.05
Hepatitis C	25	0.35	23	0.32	53	0.72
Histoplasmosis	0	0.00	0	0.00	1	0.01
Hospitalized Influenza	N/A	N/A	N/A	N/A	31	0.42
Lead Toxicity*	1	0.01	0	0.00	0	0.00
Legionellosis	0	0.00	0	0.00	0	0.00
Leprosy	0	0.00	0	0.00	0	0.00
Lyme Disease	5	0.07	19	0.26	11	0.15
Malaria	1	0.01	0	0.00	0	0.00
Meningitis - Bacterial	3	0.04	0	0.00	1	0.01
Rheumatic Fever	0	0.00	0	0.00	0	0.00
Streptococcus Pneumoniae	1	0.01	6	0.08	6	0.08
Invasive Group A Strep	1	0.01	4	0.06	1	0.01
Invasive Group B Strep	N/A	N/A	7	0.10	9	0.12
Toxic Shock Syndrome	0	0.00	0	0.00	0	0.00
TB - Mycobacterium	0	0.00	0	0.00	3	0.04
TB - Atypical	4	0.06	6	0.08	14	0.19
Typhoid	1	0.01	0	0.00	0	0.00
Novel H1N1	N/A	N/A	0	0.00	N/A	0.00
Dengue Fever	N/A	N/A	N/A	N/A	1	0.01
Kawasaki	0	0.00	N/A	N/A	0	0.00

*Reflects cases of adult lead toxicity only. Children are listed in the table in the body of this report

Vaccine Preventable Disease	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
Chickenpox (Varicella)*	3	0.04	5	0.07	2	0.03
Measles	0	0.00	0	0.00	0	0.00
Pertussis	17	0.24	3	0.04	3	0.04
Mumps	N/A	N/A	0	0.00	0	0.00

STATE LABORATORY OF HYGIENE FEE FREE TESTING

The Wisconsin State Laboratory of Hygiene provides sample analysis for selected 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 2015. The total cost of these analyses would be \$4,650 if they were not fee free.

TYPE OF ANALYSIS	NUMBER OF SAMPLES
Mycobacteriology	103
Salmonella	0
VDRL	0
Rabies	11
N Meningitis	0
Chlamydia/N Gonorrhea	0
Ova Parasites/Cryptosporidiosis/Giardia	0
Outbreak Stool Cultures	0
Blood Lead - Capillary	3
Blood Lead - Venous	0
HIV 1/HIV 2	0
Norovirus PCR	3
Influenza A & B	0
Liver Function (AST, ACT)	0
Measles	0
Rubella	0
Mumps virus PCR	0
Hepatitis C	0
Hepatitis B Serodiganosis	0
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	2005	2010	2015
General Health Promotion	29	14	104
Prenatal	57	37	27
Complications of Pregnancy/Postpartum	62	38	28
Infant/Child Health	116	73	50
Infection/Parasitic/Communicable Disease	185	20	37
Endocrine/Nutrition/Metabolic	11	6	0
Nervous System/Sensory Organs	1	2	1
Circulatory System	57	14	9
Respiratory System	8	3	0
Musculoskeletal/Connective Tissue	7	2	4
Other	51	15	5
Total	584	224	265
CLIENT HOME VISITS	2005	2010	2015
Telephone/Home Visits	2964	1165	1203
CLIENTS ADMITTED BY AGE	2005	2010	2015
0-28 Days	44	16	25
29 Days - 11 Months	79	32	24
1-5 Years	47	25	12
6-11 Years	15	1	10
12-17 Years	51	20	17
18-29 Years	157	62	84
30-44 Years	55	27	52
45-54 Years	26	12	8
55-64 Years	21	9	14
65-74 Years	20	4	5
75+ Years	69	16	14
Total	584	224	265
CLIENTS ADMITTED BY RACE	2005	2010	2015
Caucasian	251	117	104
African American	29	9	78
Native American	2	4	0
Hispanic	50	36	55
Asian	248	58	25
Other	4	0	3
Total	584	224	265
CLIENTS ADMITTED BY GENDER	2005	2010	2015
Male	201	67	104
Female	383	157	161

VITAL BIRTH STATISTICS

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

APPLETON POPULATION			STATE CRUDE BIRTH RATE
2005	2010	2015	2010
72,085	72,563	73,737	12.0

Birth Data	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
Total Birth Rate	953	13.22	1012	13.95	951	12.90
Births to Married Woman	720	9.99	711	9.80	620	8.41
Births to Unmarried Woman	233	3.23	301	4.15	331	4.49
Total Births to Woman <18 Yrs	13	0.18	18	0.25	9	0.12
Unmarried <18 Yrs	9	0.12	15	0.21	9	0.12
Unmarried 18-29 Yrs	186	2.58	227	3.13	221	3.00
Unmarried 30-40 Yrs	33	0.46	54	0.74	92	1.25
Unmarried >40 Yrs	5	0.07	5	0.07	9	0.12

Age of Mother	Birth Count	Percent
15-17 years	9	0.95%
18-19 years	19	2.00%
20-24 years	175	18.40%
25-29 years	301	31.65%
30-34 years	307	32.28%
35-39 years	117	12.30%
40-44 years	21	2.21%
45+ years	2	0.21%
Total	951	100.00%

Race/Ethnicity of Mother	Birth Count	Percent
White (Non-Hispanic)	770	80.97%
Black (Non-Hispanic)	29	3.05%
American Indian (Non-Hispanic)	15	1.58%
Hispanic	75	7.89%
Laotian/Hmong (Non-Hispanic)	61	6.41%
Other (Non-Hispanic)	0	0.00%
Missing/Unknown	1	0.11%
Total	951	100.00%

VITAL BIRTH STATISTICS

Education of Mother	Birth Count	Percent
None	0	0.00%
Elementary	9	0.95%
Some High School	61	6.41%
High School Graduate	214	22.50%
Some College	266	27.97%
College Graduate	298	31.34%
Missing/Unknown	103	10.83%
Total	951	100.00%

Birth Weight	Birth Count	Percent
< 1,000 grams	7	0.74%
1,000-1,499 grams	8	0.84%
1,500-2,499 grams	39	4.10%
2,500-3,999 grams	788	82.86%
4,000 + grams	109	11.46%
Total	951	100.00%

Low Birth Weight	Birth Count	Percent
< 2,500 grams	54	5.68%
2,500 + grams	897	94.32%
Total	951	100.00%

*Provisional data from WI Vital Records Office Aggregate Birth Report 2015

VITAL BIRTH STATISTICS

Mother Smoked During Pregnancy	Birth Count	Percent
No	787	82.75%
Yes	157	16.51%
Missing/Unknown	7	0.74%
Total	951	100.00%

Mother Smoked During Pregnancy	No		Yes		Missing/Unknown		Total	
	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent
Birth Weight								
< 1,000 grams	5	0.64%	2	1.27%	0	0.00%	7	0.74%
1,000-1,499 grams	4	0.51%	4	2.55%	0	0.00%	8	0.84%
1,500-2,499 grams	26	3.30%	13	8.28%	0	0.00%	39	4.10%
2,500-3,999 grams	660	83.86%	122	77.71%	6	85.71%	788	82.86%
4,000 + grams	92	11.69%	16	10.19%	1	14.29%	109	11.46%
Total	787	100.00%	157	100.00%	7	100.00%	951	100.00%

Prematurity	Birth Count	Percent
Full Term (37+ weeks)	870	91.48%
Premature (<37 weeks)	81	8.52%
Total	951	100.00%

*Provisional data from WI Vital Records Office Aggregate Birth Report 2015

DEATH DATA

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

Crude Death Rate for State 2010 = 8.3

Age	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year	1	0.01	4	0.06	1	0.01
1 Year to 10 Years	2	0.03	0	0.00	0	0.00
11 Years to 20 Years	1	0.01	1	0.01	1	0.01
21 Years to 30 Years	9	0.12	3	0.04	4	0.05
31 Years to 40 Years	3	0.04	6	0.08	11	0.15
41 Years to 50 Years	24	0.33	20	0.28	14	0.19
51 Years to 60 Years	40	0.55	49	0.68	48	0.65
61 Years to 70 Years	47	0.65	63	0.87	81	1.10
71 Years to 80 Years	112	1.55	74	1.02	87	1.18
81 Years to 90 Years	158	2.19	143	1.97	161	2.18
91 Years to 100 Years	77	1.07	70	0.96	93	1.26
Over 100 Years	5	0.07	1	0.01	2	0.03

DEATH DATA

Causes of Death	2005		2010		2015	
	Number	Rate	Number	Rate	Number	Rate
Accidental Death	11	0.15	15	0.21	24	0.33
Congenital Anomalies	0	0.00	0	0.00	1	0.01
Complications of Pregnancy	1	0.01	1	0.01	0	0.00
Condition Originating in Perinatal Period	0	0.00	1	0.01	2	0.03
Disease of Blood/Blood Forming Organs	1	0.01	1	0.01	2	0.03
Disease of Circulatory System	193	2.68	161	2.22	160	2.17
Disease of the Digestive System	22	0.31	14	0.19	19	0.26
Disease of Genitourinary System	18	0.25	21	0.29	20	0.27
Disease of Musculoskeletal System/Connective Tissue	1	0.01	2	0.03	1	0.01
Disease of Nervous System	14	0.19	17	0.23	30	0.41
Disease of Respiratory System	49	0.68	50	0.69	79	1.07
Endocrine, Nutritional and Metabolic Disease	3	0.04	4	0.06	3	0.04
Homicides	0	0.00	1	0.01	1	0.01
Infectious and Parasitic Disease	15	0.21	8	0.11	4	0.05
Mental Disorder	0	0.00	1	0.01	40	0.54
Neoplasm	92	1.28	85	1.17	90	1.22
Suicide	10	0.14	2	0.03	7	0.09
Symptoms, Signs and Ill-Defined Conditions	49	0.68	50	0.69	19	0.26