

CITY OF APPLETON
HEALTH DEPARTMENT



2016 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



Index

PRELIMINARIES

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

THE DEPARTMENT

Highlights of 2016	7
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PREVENTING DISEASE

Communicable Disease Program	24
Clinical Disease Services	24
Communicable Disease Investigation, Prevention and Control.....	25
Wisconsin Partner Services (PS)	25
Sexually Transmitted Disease Contracted Services	26
Foodborne Outbreak Illness Investigation	26
State Laboratory of Hygiene Testing Services.....	26
Occupational Health.....	26
Environmental Control.....	26
Regulatory Descriptions and Statistics	27

PROMOTING HEALTH

Maternal/Child Health (MCH)	29
Childhood Lead Poisoning Prevention Program	29
High Risk Adult Health Program.....	31
Public Health Nursing Caseload Data	31

PROTECTING THE CONSUMER

Weights and Measures Program	35
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PROTECTING THE ENVIRONMENT

Environmental Health Programs.....	39
Community Involvement.....	41

APPENDICES

Budget Information.....	42
Communicable Disease Data	43
State Laboratory of Hygiene Fee-Free Testing.....	45
Public Health Nursing Caseload.....	46
Vital Birth Statistics	47
Vital Death Statistics	50

Note: This document not only represents the activities of the Appleton Health Department for 2016, but also provides trend data comparisons for selected activities. The data for 2016 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

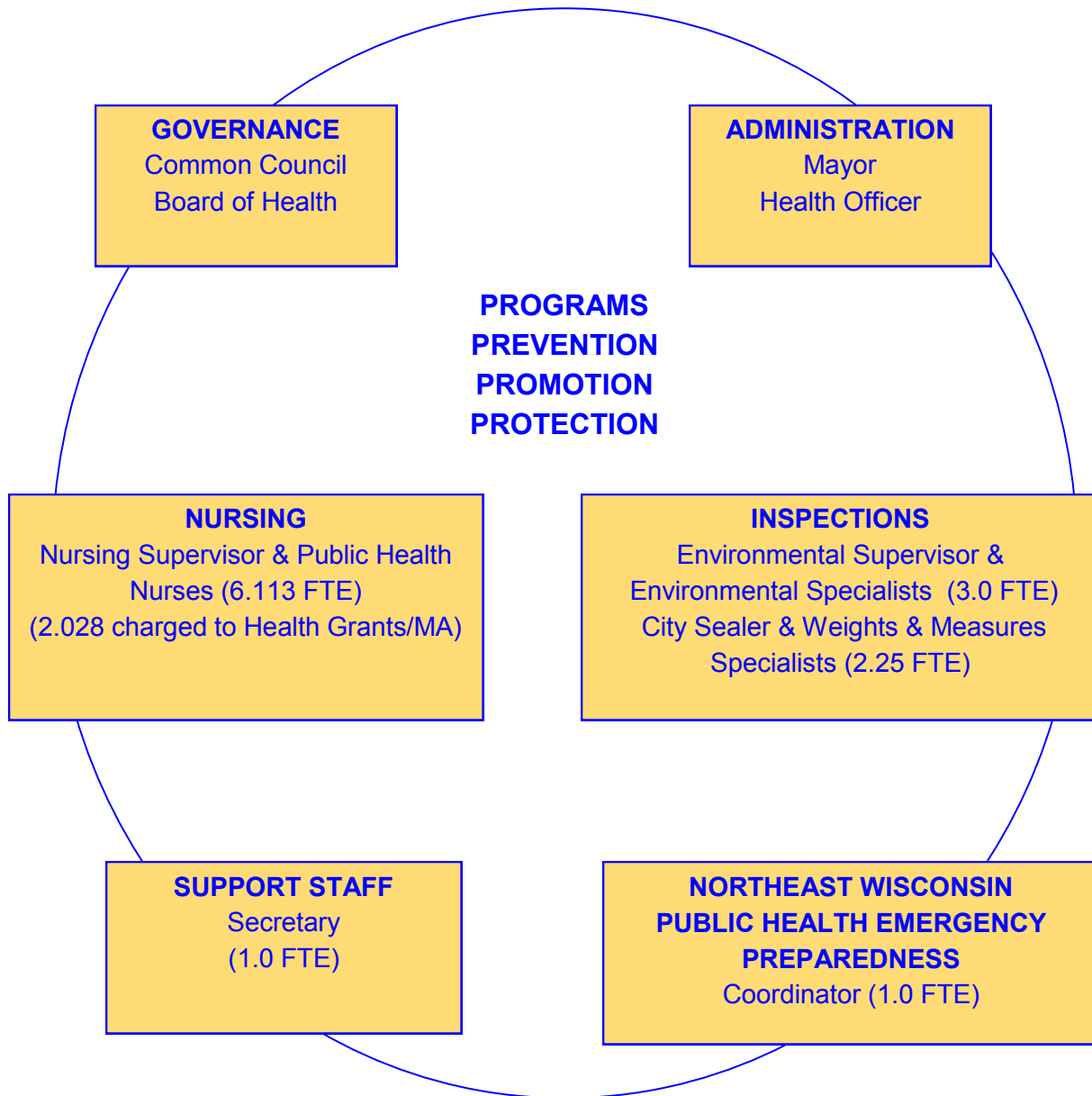
MISSION AND BELIEF STATEMENTS

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
Aldersperson Christine Williams

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
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

Sarah Burmeister (Scanlan), 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.



Aldersperson
Cathy Spears



Aldersperson
Kathleen Plank



Aldersperson
Christine Williams

The Department

HIGHLIGHTS OF 2016

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

January 30, Weights and Measures Specialist Keith Verhagen made an unannounced visit to the Saturday Indoor Winter Farm Market at the City Center. There were total of 20 booths that were inspected. A total of 1,404 items were inspected with only 2 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.

Keith also inspected the Appleton Downtown Inc., Summer Farm Market. Of the 130 vendors inspected, there were five vendors with unapproved scales and two vendors with labeling issues. The overall compliance was very high. In May, Weights and Measures staff provided education to all vendors. The meeting, which is mandatory, provides a great foundation for high compliance throughout the Farm Markets summer duration.

This fall, Weights and Measures staff provided education and inspections to vendors participating in Oktoberfest. Eighteen booths were inspected the day of the event resulting in no violations.

During the 4th Quarter, 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 an opportunity not only to answer any questions about the work we've done during the year but also review fees and prepared reports generated on their behalf. All municipalities remain pleased with the work and the collaboration of sharing services.



“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 March, Environmentalists Steve Kihl, RS and Michelle Roberts, RS, issued lead abatement orders to the owner of 622 West Fifth Street. This order was in response to an elevated blood lead level in a child residing there.

Tim Mirkes, RS, Environmental Health Supervisor, 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.

Environmentalists Michelle Roberts, RS, and Steve Kihl, RS, conducted food stand inspections at the annual Xavier Food Fair event held Sunday, May 1. No critical violations were found during those inspections.

July 31, Environmentalist Michelle Roberts, RS, conducted food stand inspections at the annual Art in the Park event. No critical violations were found.

On multiple occasions, Environmentalists Michelle Roberts, RS, and Steve Kihl, RS, have inspected the downtown and Festival Foods (Saturday and Wednesday) farm markets. In addition, they have had numerous consultations with vendors that were added to the markets after the annual spring training session was held. Vendors are held to the same standard as other produce outlets in our community.

This fall, there were 97 food stand inspections and 3 re-inspections conducted by the Health Department during License to Cruise and Oktoberfest. Twelve food stand inspections were conducted at License to Cruise. Eighty five non-profit food stand inspections were conducted at Oktoberfest. Of the 97 stands that were inspected, 74 food stands had no violations at the time of the inspection (76%). There were a total of 13 violations recorded at 11 food stands during Oktoberfest and 5 violations found at 4 food stands at License to Cruise. Of the items that are checked during an inspection, some are critical and some are non-critical, but all have a potential impact on the health and safety of the general public. A breakdown of violations found at this year’s event were as follows:



- 2 notices of non-compliance with hand washing (lack of hand wash facilities or soap and toweling, improper facilities, inadequate hand washing frequency)
- 3 notices of non-compliance with hot food storage temperatures (<135 degrees)
- 4 notices of non-compliance with cold food storage temperatures (>41 degrees)
- 3 notices of inadequate spare utensils on hand
- 1 notice of non-compliance with food thermometers
- 1 notice of non-compliance with bare hand contact with food
- 3 notices of food stand construction/lack of screening
- 1 notice of miscellaneous violations (milk containers stored in ice intended as drink ice)

Every vendor is provided education on safe food handling, storage and preparation prior to permit issuance resulting in another successful event with no food related illnesses reported.

Public health nursing staff worked with World Relief Fox Valley and various partners in the Appleton community to welcome 369 refugees. These new residents came from Afghanistan and Democratic Republic of the Congo.



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

January 16, Health Officer Kurt Eggebrecht was a guest on the WHBY radio station, Good Neighbor Show, discussing the role of governmental public health and emerging issues of importance here in the City of Appleton.

February 15, Public Health Nurse Becky Lindberg, RN, presented on, “Safe to Sleep”, at Thedacare Regional Medical Center-Appleton’s Mommy and Me group. Three Moms and their babies were in attendance.



February 23, Sonja Jensen, RN, provided annual training to all health department staff on blood borne pathogens and clinical laboratory packaging.

March 7 and 14, Becky Lindberg, RN, trained 17 Appleton Area School District Employees in Youth Mental health First Aid at Appleton East High School.

March 15, Jess Moyle, RN, and Becky Lindberg, RN, trained the staff at Faith Childcare Center on the Ten Steps to Breastfeeding Friendly Child Care Centers. 19 staff members attended the training.



March 17, Health Officer Kurt Eggebrecht presented to the participants of the newly formed Citizen Academy. This was an eight week course for interested residents to learn more about how their property taxes translate into quality city services. Eggebrecht spoke about the role public health has played historically in Appleton and how today we work to promote health and eliminate communicable disease.

March 21, Jess Moyle, RN, and Becky Lindberg, RN, trained the staff at Thedacare Child Learning Center on the Ten Steps to Breastfeeding Friendly Child Care Centers. 22 staff members attended the training.

April 4, Public Health Nurses Jess Moyle, RN, and Becky Lindberg, RN, trained staff at Young Child Development Center on the Ten Steps to Breastfeeding Friendly Child Care Centers. 15 staff members attended the training.

April 5 and 7, Public Health Nurse Becky Lindberg, RN, trained 11 community members in Youth Mental Health First Aid at Appleton West High School.

April 11, Public Health Nurse Kathleen Sprangers, RN, presented on, “Childhood Lead Poisoning Prevention”, at Thedacare Regional Medical Center-Appleton’s Mommy and Me group. 16 Moms and their babies were in attendance.

April 12, Tim Mirkes, RS, Environmental Supervisor, gave a presentation at the 2016 Wisconsin Environmental Health Association Annual Spring Conference. The topic was Beekeeping in an Urban Setting.

April 19, Health Officer Kurt Eggebrecht moderated the keynote session at the 30th anniversary annual meeting of the Wisconsin Health Education Network Conference held in Madison. This year's theme was "Building Capacity for Healthier Communities: Celebrating the Past, Focusing on the Future".

April 22, Health Officer Eggebrecht was a guest speaker at the Fox Valley Technical College. The class was for future law enforcement personnel and he spoke on interdepartmental cooperation using the Incident Command System (ICS) structure during a public health emergency.



May 4, Weights and Measures staff provided training at two area farm market meetings. Weights and Measures Specialist Keith Verhagen spoke at the annual Festival Foods Farm Market meeting at the Festival Foods Store on Northland Ave. A record number of Vendors attended the meeting this year. He provided information regarding policies as well as the testing of 30 farm market vendors' scales. The mandatory meeting provides a great foundation for high compliance throughout the Farm Markets summer duration. Weights and Measures staff monitored the farm market closely throughout the summer to ensure compliance.



May 5, Health Officer Eggebrecht spoke at the Wisconsin Hospital Association Summit. The theme was to Advance Community Health in Wisconsin. Eggebrecht spoke of the hospital/public health partnership in the Fox Valley where population health is addressed to improve the health of the community.

May 6, Public Health Nurses Jess Moyle, RN, and Becky Lindberg, RN, presented on safety and injury prevention at the Young Parent Conference. 20 young parents were in attendance.

May 9, Public Health Nurses Becky Lindberg, RN, and Jess Moyle, RN, trained staff at Celebration Child Care Center on the Ten Steps to Breastfeeding Friendly Child Care Centers. Eight staff members attended the training.



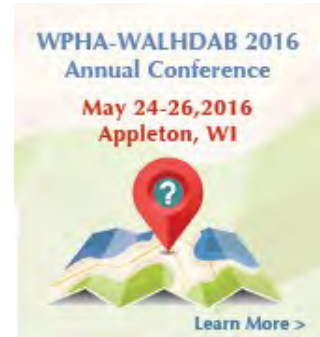
May 11, Public Health Nurse Ashley Rankin, RN, presented on "The Real Happy Hour", at the Appleton Boys and Girls Club Health Fair. 143 children attended the health fair.

May 25, City Sealer Eric Maggio and Weights & Measures Specialist Keith Verhagen



participated and spoke at the annual Appleton Downtown Saturday Farm Market Vendor meeting held at the Appleton Library. They provided information regarding policies as well as going over farm market rules. Staff tested 29 farm market vendor's scales as well as conducted package and labeling inspections.

May 26, Public Health Nursing Supervisor Sonja Jensen, RN, in collaboration with staff from World Relief Fox Valley and the Winnebago County Health Department, presented at the breakout session at the WPHA-WALHDAB annual conference. The presentation was titled, "Refugees: The Real Story".



June 20, Public Health Nurse Kathleen Sprangers, RN, presented on Immunizations at Thedacare Regional Medical Center-Appleton's Mommy and Me group. Twelve Moms and their babies were in attendance.

June 30, Health Officer Eggebrecht was asked to present at the Northeast Health Educators group. The topic was Expanding the Knowledge and Networking Opportunities for Health Educators. More than 40 attended the program held at the Menasha Library.

July 21, Public Health Nurses Jess Moyle, RN, and Becky Lindberg, RN, trained staff from Appleton KinderCare Learning Centers on the Ten Steps to Breastfeeding Friendly Child Care Centers. 10 staff members attended the training.



September 29, Public Health Nurse Jess Moyle, RN, in collaboration with staff from the Manitowoc County Health Department, presented on the Northeast Region's Quality Improvement Project at the Statewide Prenatal Care Coordination meeting in Stevens Point. 175 professionals were in attendance.



August 4, Health Officer Kurt Eggebrecht presented to 40 Medical College of Wisconsin students on the St. Norbert Campus in De Pere. The topic was a review on the public health response to blastomycosis illness acquired on the Little Wolf River.

August 29, Public Health Nurse Becky Lindberg, RN, presented on Safe Sleep at Thedacare Regional Medical Center-Appleton's Mommy and Me group. 7 Moms and their babies were in attendance.

September 13, Public Health Nursing Supervisor Sonja Jensen, RN, gave a presentation on tuberculosis and other communicable diseases at Mosaic Family Health. 12 Physicians with the Fox Valley Family Medicine Residency program were in attendance.

Public Health Nurses 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 19, Public Health Nurses Becky Lindberg, RN, Ashley Rankin, RN, Jess Moyle, RN, and Preparedness Planner Sarah Scanlan, RS, presented at the City of Appleton Wellness Fair. Topics included: City Lactation Room, Weight of the Fox Valley, Healthy Eating, and Safe Food Handling. 250 people were in attendance.

November 12, Public Health Nurse Becky Lindberg, RN, and Jessica Hermes, RN, a UWGB Student, presented at the annual Health Fair at Lawrence University. Educational topics included: Nutrition, Healthy Eating, and Weight of the Fox Valley.



November 15, Public Health Nurses Becky Lindberg, RN, and Jess Moyle, RN, trained staff from Bridges Child Enrichment Center on the Ten Steps to Breastfeeding Friendly Childcare Centers. 20 staff members attended the training.

December 6, Public Health Nurse Kathleen Sprangers, RN, provided the required Vaccine for Children (VFC) program annual training on Vaccine Storage and Handling. 8 public health nurses were in attendance.

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

January 17, Public Health Nurses Ashley Rankin, RN, and Becky Lindberg, RN, provided TB skin testing for employees at Homeless Connections. 7 screenings were completed.



Public Health Nurses Becky Lindberg, RN, and Kris Eiden, RN, provided TB skin testing for Appleton Fire Department employees in January and February. 79 screenings were completed.

February 11, the Northeast Wisconsin Preparedness Consortium met. During this meeting, the group discussed the Volunteer Management checklist portion of the Public Health Emergency Plan (PHEP). The group made suggested changes to the checklist. Sarah Burmeister, RS, amended the checklist and brought it back to the group for approval of the final edits.



In coordination with Mosaic Family Health 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.

May 26, our department hosted a training seminar on syphilis testing. Representatives from the Aids Resource Center and the local public health department participated in this day long training.

The State license year runs from July 1 through June 30. This year, Environmental Supervisor Tim Mirkes, RS, made a courtesy contact with 47 establishments identified on our late fee list, notifying them that they are delinquent in paying for the Health license by the deadline of June 30. A late fee of \$95.00 was imposed. Mirkes also made courtesy contacts to 40 establishments that were on the Finance HOLD list for payments owed to the City. This year, no establishments were closed for non-payment.

This season, health department nursing staff provided 290 doses of influenza vaccine to City of Appleton employees, elected officials, their spouses, partners and children nine years of age and older.



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“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.”

Early this year, Health Department staff became more aware and educated on the Zika virus outbreak outside of the USA. Staff have been requested to provide community education to help residents better understand the risks, modes of transmission, symptoms and how to reduce the risk of contracting the disease. High risk groups are pregnant woman and couples engaged in unprotected sex after returning from impacted areas where Zika mosquitos thrive.



January 4, Health Officer Kurt Eggebrecht and Preparedness Coordinator Sarah Burmeister, RS, along with the other partners from the Preparedness Consortium, met with Diane Downie, CDC Public Health Advisor, for the Midyear Public Health Emergency Preparedness grant review. This meeting provided an opportunity for the Consortium to share what capability gaps have been worked on over the past six months, and what challenges have been met during that time.

This quarter, Health Officer Kurt Eggebrecht participated in the NEW Regional Poverty Outcomes and Improvement Network Team (POINT) Initiative. The POINT is an 18th month regional and community process improvement initiative to enhance the effectiveness of non-profit organizations who are working to address the root causes of poverty and achieve breakthrough results for individuals and families in the region. Kick off and training took place February 17-19.

Preparedness Coordinator Sarah Burmeister, RS, is serving on a statewide work group for revising the organization of the Public Health Emergency Plan with other Preparedness Professionals around the State of Wisconsin. On February 16 and March 4, Sarah Burmeister met with the work group. The work group plans to make the Public Health Emergency Plan more organized and easier to use once reorganization is complete.



Health Officer Kurt Eggebrecht participated in a study with other city staff resulting in recommendations for the new Appleton Downtown Mobility Study. On March 21 public comment was collected on this project. Part of this project would result in a built environment more supportive of bike and pedestrian forms of transportation.

March 30, Health Officer Kurt Eggebrecht participated in a newly formed advisory board for the YUSA Diabetes Prevention Program. The local north side YMCA is offering a program to pre-diabetes individuals to lower risk and prevent disease.

Preparedness Coordinator Sarah Burmeister, RS, provided Fatality Management training to three members of the Northeast Wisconsin Preparedness Consortium. Sarah provided training to Appleton on January 21, Waushara County on February 8, and Marquette County on March 18. Sarah provided Incident Command System (ICS) review to Waushara County and Marquette County on January 18 and March 18, respectively.

Public Health Nurse and Lactation Specialist Jess Moyle worked with Deputy Director of Human Resources Debra Vandenberg to establish and implement a city policy that supports nursing mothers. The City also established a devoted private area for milk expression for working mothers.



On April 6, Public Health Preparedness Coordinator Sarah Burmeister participated in the Fox Valley Area Health Care Coalition design team meeting. Sarah had been working with the design team since November 2015 putting together an Ebola Exercise that tested capabilities in Mass Fatality and Information Sharing as it relates to our emergency planning.

On April 8, Sarah attended a training called HSEEP, which standardizes the way an exercise is evaluated. The HSEEP training prepared Sarah to evaluate the Ebola Exercise.

On April 13, department staff Ann Steele, Sonja Jensen, Tim Mirkes, and Sarah Burmeister attended the Ebola Table top Exercise. Attending the exercise allowed Ann, Tim, and Sonja to talk through how emergency operations would work during an Ebola outbreak. How our department would respond as a region was also an outcome of this training.



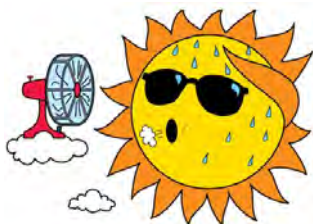
April 14, the Northeast Wisconsin Public Health Preparedness coalition met to discuss changes made to the Resource Management portion of the Public Health Emergency Plan (PHEP). This was in an effort to close gaps within the Volunteer Management Capability. Preparedness Coordinator Sarah Burmeister also shared the work she has done on job action sheets as part of the Partnership's Mass Fatality Plans.

June 14, Sarah Burmeister also participated in a state-wide exercise, called BAT-16. The purpose of the exercise was to practice the dispensing of medicine from the Department of Health Services to local health departments. Sarah served as an evaluator for the Fond du Lac County Health Department. Fond du Lac County practiced opening a point of dispensing location for their response partners. The exercise was very informative and allowed Sarah to gain more experience in evaluating an exercise.



Our department worked with the Fox Cities Kiwanis Club, Police Department, and World Relief to collect bicycles and helmets for our new refugees we have welcomed to Appleton. This need was identified at our April Fox Valley Refugee resettlement meeting.

June 20th, Health Officer Kurt Eggebrecht participated in the Leading Indicators For Excellence (LIFE) Study. At this event, held in Neenah, participants reviewed data prepared by consultants then voted on top health priorities for our region.



Emergency Preparedness Coordinator Sarah Scanlan (formally Burmeister), RS, provided all Assisted Living Centers and Daycares in Appleton materials and education related to heat-illness. This information was sent in July in anticipation of 90° plus weather.

In September, Preparedness Coordinator Sarah Scanlan, RS, conducted a spontaneous communication test with all members of the Northeast Preparedness Consortia. To test emergency response readiness, an automated call went to public health staff's phone and email contacts, which requested a response. The goal was for Sarah to receive a response within one hour of receipt. Results were provided to Health Officers for additional training and follow-up.

This year, Fire Deputy Director Gene Reece and Health Officer Eggebrecht have been serving on the Outagamie County Hazard Mitigation Plan Steering Committee. The revised plan is an all hazard plan which was completed and presented to both the public and county board.



In October, Preparedness Coordinator Sarah Scanlan, RS, headed out to all faith based organizations to provide flu educational materials. She also delivered 58 hand sanitizers to 11 different faith based communities to help prevent the spread of flu.

October 17 and 31, Sarah Scanlan, RS, evaluated mass clinic exercises for Marquette County and City of Menasha Health Departments respectively. These exercises help health departments prepare for real emergencies by practicing mass clinic set ups with real patients.

November 3, Public Health Nurse Ann Steele, RN, in collaboration with Lorna Will of the Wisconsin TB Program, presented at the Northeast Region TB Summit in Kimberly. Their presentation was titled, "The Roles of Public Health, at the State and Local Level". 140 professionals were in attendance.

Britney Stobbe, Administrative Assistant, is serving on the planning committee for the Fox Cities Kidz Expo. The Expo was held on April 8th, 2017 at the Fox Valley Technical College. This Kidz Expo is a free family event that offers fun and educational activities for kids under 12, as well as programs, exhibitors and information for parents.



Health Officer Kurt Eggebrecht began his term to serve on the Fox Cities United Way Community Impact Council. This council reviews and makes funding recommendations to the United Way Board.



City department staff have completed their research and prepared recommendations requested from a Common Council resolution related to the keeping of backyard chickens in Appleton. Representatives from Inspections, Community Development, Police and Health participated. The Board of Health will discuss these recommendations and proposed fee structure in early 2017.

“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.”

This year, the state of Wisconsin Department of Health provided scholarships to allow for two Public Health Preparedness trainings of Health Department staff to further address capability gaps. January 26, public health nurses Kathleen Sprangers, RN, Sonja Jensen, RN, Tricia Schuldes, RN, along with Preparedness Coordinator Sarah Burmeister, RS, attended the first training on how to support Volunteer Reception Center training which was held in Green Bay. The training focused on how to set up a Volunteer Reception Center, what the center does, and how it operates. The second training was the Disaster Family Assistance Specialist training held at Liberty Hall in Kimberly. February 10, Becky Lindberg, RN, Ashley Rankin, RN, Jess Moyle, RN, and Eric Maggio attended this training. The training focused on what the different types of Family Centers are and how public health might be involved in the activities at the centers.

In February, 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 TB and asbestos.



January 28, 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 Sealer Eric Maggio was a member of the Policies and Procedures Committee that oversaw and implemented the changes.

February 23, public health nurses Jess Moyle, RN, Trish Schuldes, RN, and Ashley Rankin, RN, attended the Prenatal Care Coordination regional meeting at the Menasha Library.

March 3 and 4, Jess Moyle, RN, and Becky Lindberg, RN, attended the annual Wisconsin Association of Lactation Consultants Conference at the Oshkosh Convention Center.

March 9 & 10, Environmental Supervisor Tim Mirkes, RS, attended the 49th Governor’s Conference on Emergency Management and Homeland Security. The theme for the conference was “Preparing with the Whole Community”.



March 10, Trish Schuldes, RN, and Jess Moyle, RN, attended the Annual First Breath Program conference in Madison, WI. The conference focused on relationships with participants in the program, including the importance of building trust and rapport.

April 6, Public Health Nurses Becky Lindberg, RN, Jess Moyle, RN, and Trish Schuldes, RN, attended the training “Parents Interacting with Infants.” This was held at the Riverwalk Hotel in Neenah, and was sponsored by CESA 11.

April 8, Public Health Nurses Ann Steele, RN, Jess Moyle, RN, Kris Eiden, RN, and Trish Schuldes, RN, attended the Wisconsin Disease Surveillance System (WEDSS) upgrade training, held at UW-Fox Valley in Menasha.

April 12, Public Health Preparedness Coordinator Sarah Burmeister, RS, attended the Wisconsin Environmental Health Association (WEHA) Spring Conference on a stipend awarded to her from the organization. The conference focused on local issues such as local food being used in schools and how to handle local emergencies, such as a sewage spill in a local community garden from an environmental and food safety stand point.

April 18 - 22, Public Health Nurse Jessica Moyle, RN, and Public Health Preparedness Coordinator Sarah Burmeister, RS, attended the Preparedness Summit held in Dallas, Texas. Jessica and Sarah were able to attend the conference thanks to a training scholarship provided from Wisconsin Department of Health Services. The conference focus was on Community Recovery and Resiliency. The speakers of the conference really drove home that when rebuilding a community, it should be built to better withstand disasters for the future. There was also a special late breaking session on Zika virus that both Jessica and Sarah attended.



April 21, Public Health Nurses Ashley Rankin, RN, Becky Lindberg, RN, Kathleen Sprangers, RN, Sonja Jensen, RN, and Trish Schuldes, RN, attended the 2016 Immunization Update: "Community Immunity: Protecting Tweens and Teens." The training was sponsored by the Northeast Wisconsin Immunization Coalition and held at The Marq, De Pere.

May 3, Public Health Nurses Kathleen Sprangers, RN, and Sonja Jensen, RN, attended the Wisconsin Immunization Registry User Group Training in Green Bay.

May 20, Public Health Nurses Becky Lindberg, RN, and Susan Larson, RN, attended the Fox Valley Refugee Community Collaboration meeting at the JP Coughlin Center in Oshkosh. This was sponsored by World Relief Fox Valley.

May 24 - 26, several staff and Board of Health members attended the joint conference of the Wisconsin Association of Local Health Departments and Boards of Health and Wisconsin Public Health Association (WAHLDAB-WPHA) Spring Conference. The conference focused on public health ethics. Staff utilized scholarship funds from State Department of Health Services to participate in the conference, which had a preparedness tract and discussed the balance between protecting the general public and an individual's rights. The event was held at the Paper Valley Hotel in Appleton.

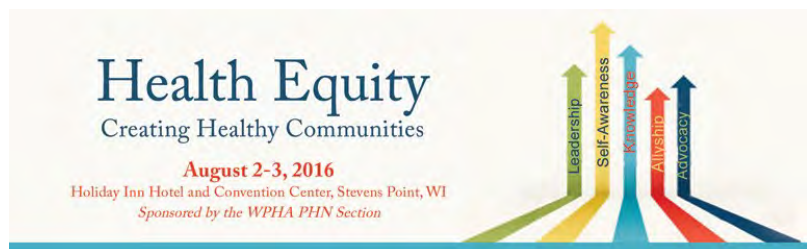
June 2, Public Health Nurses Ann Steele, RN, and Kris Eiden, RN, attended the Annual Partner Services Regional meeting at the Schieg Center in Appleton. This training was sponsored by the State Of Wisconsin AIDS/HIV Program.

July 18-21, Health Officer Kurt Eggebrecht attended the National Association of City and County Health Officers Conference.

July 19, Public Health Nurse Becky Lindberg, RN, attended the training and open house event for the Infant Mental Health Alliance for the Northeast Region. This was held at Childcare Resource and Referral in Kimberly.

August 2 & 3, Public Health Preparedness Coordinator Sarah Scanlan, RS, participated in a Community Emergency Response Team (CERT) exercise held at Appleton North High School. During the exercise Appleton Police Department, Appleton Fire Department, and Gold Cross collaborated on a scenario in which a vehicle crashed into the middle of the downtown Farmer’s Market. The idea of the exercise was to prepare emergency responders for triage of victims and collaborate with other emergency responders.

August 3, Public Health Nurses Jess Moyle, RN, and Ashley Rankin, RN, attended the WPHA Public Health Nursing conference in Steven Point. The theme of the annual conference was, “Health Equity: Creating Healthy Communities.”



On August 6, at the 5th Annual Breastfeeding Walk, public health nurses Jess Moyle, RN, and Becky Lindberg, RN, recognized five Appleton Childcare Centers for achieving Breastfeeding Friendly designation. The five Appleton Centers recognized at this event were: Celebration Children’s Center, Faith Child Care, KinderCare Learning Center – Ballard, KinderCare Learning Center – Oneida, and ThedaCare Learning Center.

August 25, Public Health Nurse Ann Steele, RN, attended the Fox Cities Housing Coalition Training in Collaboration with NAMI Fox Valley training held at Fox Valley Technical College.

August 31, Public Health Nurse Sonja Jensen, RN, attended the training, “Primed for Public Health – Accreditation Basics”, in Stevens Point.



September 20, Public Health Nurses Jess Moyle, RN, Ashley Rankin, RN, and Trish Schuldes, RN, attended a First Breath Program Refresher training, held at the Appleton Health Department. This training was given by staff from the Wisconsin Women’s Health Foundation.

September 23, Public Health Nurse Jess Moyle, RN, attended the Wisconsin Breastfeeding Coalition’s Summit and Strategic Planning Meeting in Marshfield.

September 27, the Health Department staff participated in an annual team building day where we celebrate individual and department accomplishments. This year we also had learning opportunities on active listening and mindfulness. Thanks to Human Resources Training Coordinator Mel Lewis who assisted with the committee, speaker selection and training goals.



October 6, Preparedness Coordinator Sarah Scanlan, RS, attended the Public Information Officer meeting, held by City of Appleton to learn more about HIPPA laws and how they pertain to public information.

October 14, Public Health Nurses Becky Lindberg, RN, Susan Larson, RN, and Sonja Jensen, RN, attended the Joint Refugee Resettlement meeting in Oshkosh at the James P. Coughlin Center. Health Officer Kurt Eggebrecht was invited to share the bikes for refugee's donation program organized by the Fox Cities Kiwanis Club.

November 2, Environmental Supervisor, 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.

November 3, Public Health Nurses Ann Steele, RN, Ashley Rankin, RN, Jess Moyle, RN, Kris Eiden, RN, and Trish Schuldes, RN, attended the Northeast Wisconsin TB Summit at Liberty Hall in Kimberly. This conference was sponsored by Mayo Clinic.

November 4, Nursing Supervisor Sonja Jensen, RN, attended the WEDSS Advanced End-User training at UW-Fox Valley in Menasha.

November 9 and 10, Public Health Nurses Jess Moyle, RN, and Becky Lindberg, RN, attended the annual statewide Maternal Child Health Summit at the Best Western Waterfront Convention Center in Oshkosh. The theme this year was: "Partnerships: The Building Blocks of Transformation".

In November the Northeast Wisconsin (NEW) Preparedness Consortium attended the Fox Valley Area Health Care Coalition table top exercise. Sarah Scanlan was part of the design committee for the waterborne exercise. The exercise focused on the capability of Medical Surge and practiced for a water related emergency. Several City of Appleton staff attended including: Chris Shaw, Utilities; Paula Vandehey, DPW; Kurt Eggebrecht, Health; Tim Mirkes, Health; Sonja Jensen, Health; Captain Rudy Nyman, Police.

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

This year the health department hosted a dietetic intern named Nicole Kabat, MSN, who learned more about the field of Public Health. Nicole created a display and age appropriate curriculum for reducing sugary drinks. This was displayed outside the City Common Council Chambers.



Health Officer Kurt Eggebrecht continues to serve on the core planning team for Weight of the Fox Valley. This year the initiative has secured agreements with Aurora, ThedaCare and Aegis Health Care systems to share their electronic medical records to better measure the community’s improvement in Body Mass Index (BMI). This data will be gathered and shared in a manner as to not identify individuals, rather, community wide data. This work will be used to encourage individuals to share in the responsibility for their health.

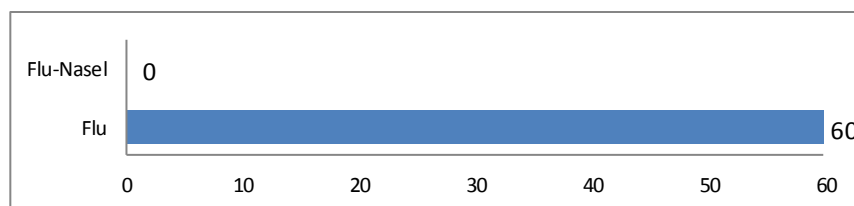
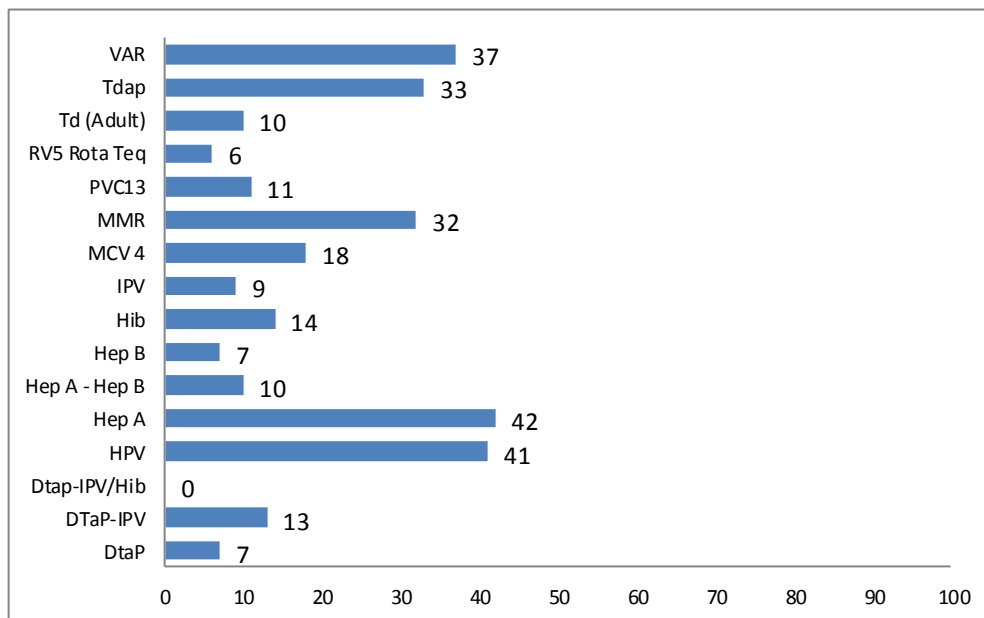


COMMUNICABLE DISEASE PROGRAM

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 2016, 170 clients received 381 doses of vaccine.

Vaccines Administered in 2016



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 2016, Appleton continued to see an elevated number in reported cases of Chlamydia, Gonorrhea and Syphilis. Providers are testing regularly and Public Health Staff continue to attempt follow-up for prevention education.

In 2016, nursing staff worked with the Wisconsin Department of Health Services to control Gastrointestinal illness outbreaks in 7 long term care facilities. Lab testing, staff education and symptom monitoring services were provided. Also, nursing staff assisted 3 long term care facilities with respiratory illness outbreaks.

The Department also received 23 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 2016.

Tables showing numbers of cases and rates per 1000 population for all gastroenteric and sexually transmitted diseases are located on page **43**. Additionally, page **44** 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 4 referrals received for this program during 2016.

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 2016, 126 individuals were served and 295 lab tests were performed resulting in 27 treatments for positive cases.

Foodborne Outbreak Illness Investigation

There were no foodborne outbreaks investigated or reported to the State Division of Public Health in 2016.

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 2016, the State provided \$5,484 of fee exempt service to the City. A table of exact types and numbers of test performed is located on page 46.

Occupational Health

Collaborative efforts in providing occupational health services related to communicable disease continued in 2016. Efforts included annual TB skin testing for 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

With the passing of 2015 Wisconsin Act 55, effective July 1, 2016, the Food Safety and Recreational Licensing section of the Department of Health Services was merged with the Division of Food Safety at the Wisconsin Department of Agriculture, Trade and Consumer Protection, creating a new “Division of Food and Recreational Safety” in WDATCP.

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.

Types of Tests	2011	2016
SWIMMING POOL WATER SAMPLES		
Total number of pool samples	253	239
Total number of pool re-sampled	0	4
Total positive Heterotrophic Plate Count	0	2
Total positive coliform	0	2
RABIES SPECIMENS		
Total number shipped	18	5
Total positive results	1	0

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.

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 2015/16 is compared to 2010/11. In the 2015/16 license year, the Department issued 487 licenses and 138 non-profit food permits compared to 451 licenses and 204 non-profit food permits in 2010/11. In 2015/16, two plan reviews were completed, and in 2010/11 there were 16 plan reviews completed for new or remodeled establishments. In 2015/16, 49 pre-licensing inspections were conducted for new or change-of-operator establishments compared to 52 pre-licensing inspections in 2010/11.

LICENSES/REGULATED ESTABLISHMENTS

2010/11 COMPARED TO 2015/16

Type of Establishment	Number of Inspections		Number of Consultations		Number of Complaints		Number of Re-inspections and Complaint Follow-ups	
	2010/11	2015/16	2010/11	2015/16	2010/11	2015/16	2010/11	2015/16
Public Eating and Drinking Establishments; Temporary Restaurants; Non-Profits	500	402	378	407	44	30	130	106
Permanent and Temporary Retail Food Establishments	95	98	107	76	11	8	50	19
Lodging Establishments; Rec/Ed/Campground	6	10	4	10	0	0	0	0
Manufactured Home Communities	1	1	1	0	0	0	0	0
Vending Machines	58	0	3	0	0	0	0	0
Swimming Pools	27	26	17	15	2	4	7	0
Tattoo/Body Piercing Establishments	10	7	44	28	2	0	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 grant contract objectives in 2016 focused on a collaboration with community partners to implement and evaluate strategies to improve breastfeeding initiation and duration rates. Staff provided educational opportunities and support for area childcare sites to become breastfeeding friendly.

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, 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 2016, the department continued the lead prevention outreach program to families of children who are six months of age and live in pre-1950 housing. 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)	2011	2012	2013	2014	2015	2016
Venous Lead Levels > 19 ug/dl	2	2	3	4	1	2
Venous Lead Levels 10-19 ug/dl	0	4	3	6	3	5
Capillary Lead Levels > 10 ug/dl	5	3	0	4	4	5
Venous Lead Levels 5-9 ug/dl	n/a	n/a	n/a	n/a	n/a	18

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

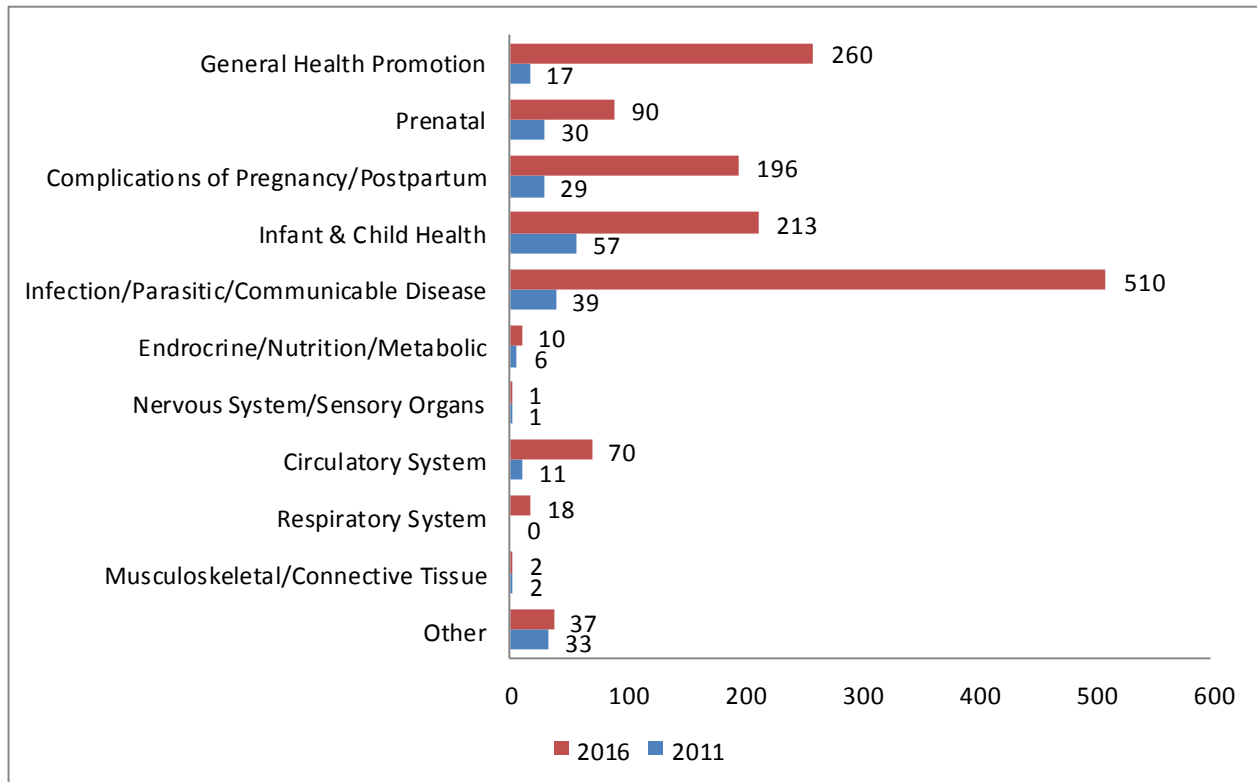
The Public Health Nursing (PHN) caseload consists of individuals and families with complex health problems. The Department received a total of 907 referrals in 2016. A total of 1,357 visits, including admissions, revisits and discharge visits, as well as phone consultations were made to these clients. This compares to 1,149 visits in 2015.

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	2011	2012	2013	2014	2015	2016
Family	0	0	0	3	1	4
Maternal/Child (includes Birth Certificates)	955	1,015	966	904	925	894
Adult/Elderly	12	6	19	7	9	9
Rate/1000	13.30	14.02	13.47	12.44	12.68	12.21

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.

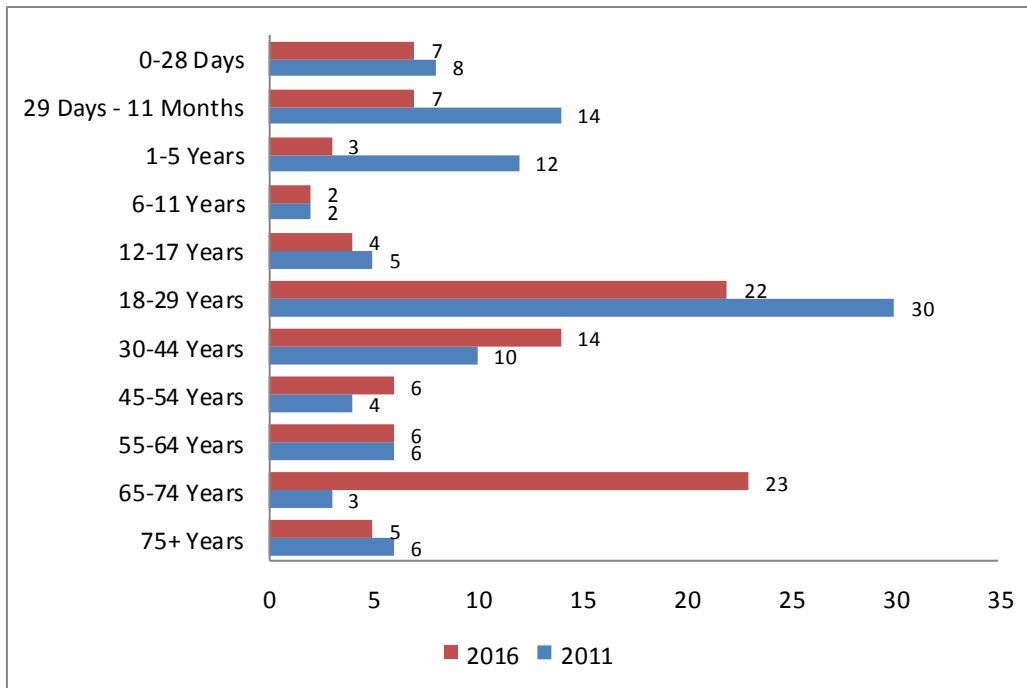
PUBLIC HEALTH NURSING CLIENTS BY PRIMARY PROBLEM



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.

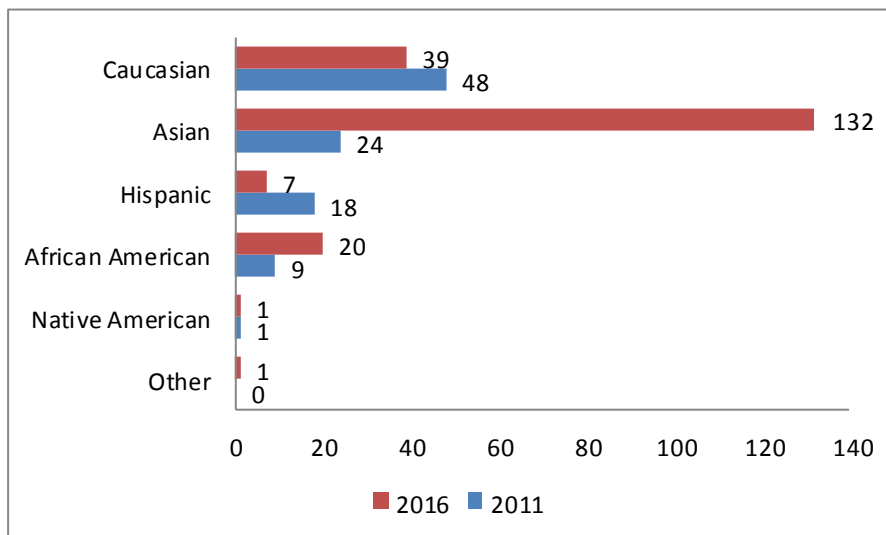
The following graphs describe the 2016 Public Health Nursing caseload by age and race/ethnicity.

PUBLIC HEALTH NURSING CLIENTS BY AGE



Percent Caseload

PUBLIC HEALTH NURSING CLIENTS BY RACE



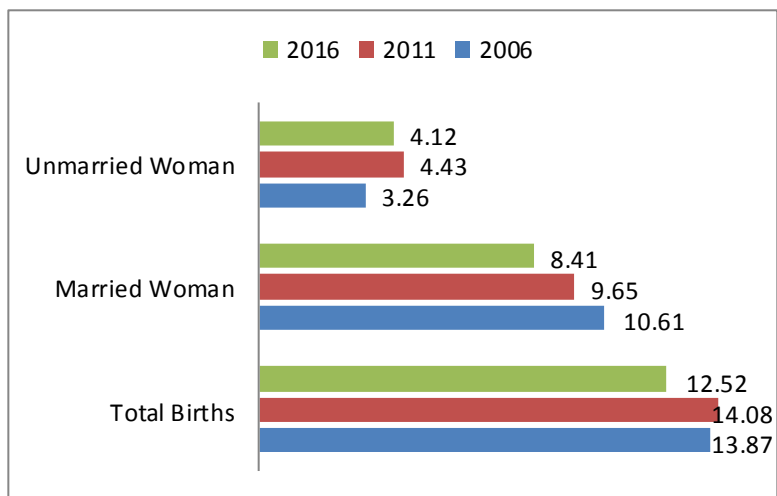
Percent Caseload

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 73,737 in 2015 to 74,286 in 2016. The crude birth rate per 1,000 population in 2013 for the State was 11.6; for the City of Appleton it was 17.7. The graph below shows crude birth rates based on marital status comparing 2016, 2011, and 2004.

CRUDE BIRTH RATES BASED ON MARITAL STATUS

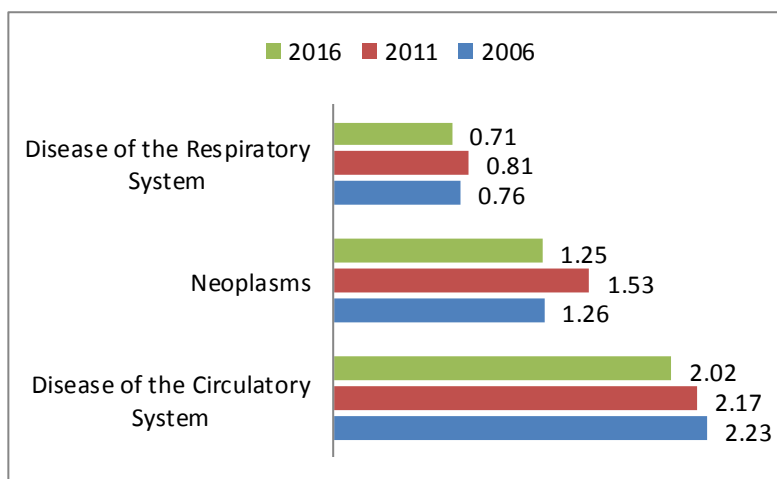
(1000 x Number of Resident Live Births/Total Resident Population)



*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 **50 & 51** 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 2016, there was a 2.6% error rate, due to regular inspection and 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	2014	2015	2016
Food and Convenience Stores	169	160	164
Restaurants	39	32	35
Bakery and Candy Stores	12	14	13
Dairy Plants and Stores	11	11	13
Drug Stores	20	30	19
Hardware Stores	26	27	25
Variety and Department Stores	95	104	100
Gas and Service Stations	35	30	36
Salvage Dealers and Recyclers	9	7	7
Pet Shops and Garden Centers	12	13	11
Industrial Manufacturing Plants	12	11	12
Concrete-Asphalt Plants and Road Materials	14	12	14
Transient Merchants (markets; product; seafood)	201	202	193
Package Shipping and Frieght	13	12	12
Service Laundries and Dry Cleaners	1	1	1
Government Agencies	11	6	9
Solicitors and Door to Door Merchants	33	50	38
Close-out Business and Termination Sales	0	0	0
Second Hand Dealers	30	41	34
Laundromats, Car Washes, and other Timing Devices	6	5	4
Miscellaneous	23	29	35
Mobile Petroleum Dealers	37	30	30
TOTAL	809	827	805

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

TYPE OF DEVICE (% OF NONCOMPLAINT)	2014	2015	2016
Scales and Balances	644 (4.2%)	598 (4.0%)	577 (4.5%)
Measures (Include gas pumps & fuel oil truck meters)	1,179 (3.9%)	1,196 (3.6%)	1,129 (2.8%)
Weights	97 (0%)	127 (0%)	58 (0%)
Total	1,920	1,921	1,764

RESULTS OF PACKAGED COMMODITIES TESTED BY YEAR

PACKAGED COMMODITIES TESTED	2014	2015	2016
Total Units of Product Investigated	88,788	91,686	91,832
Random Sample Size	12,903	13,431	12,956
Total Products/Units Found Short Weight (% short)	2,086 (2.3%)	3,871 (4.2%)	4,038 (4.4%)
Total Products/Units Found Mislabeled (% mislabeled)	7,053 (7.9%)	5,289 (5.8%)	3,037 (3.7%)

PRICE SCANNING INSPECTIONS

PRICE SCANNING INSPECTIONS	2012	2013	2014	2015	2016
Number of Inspections	148	129	135	145	142
Number of Items Scanned	4,796	4,152	4,279	4,740	4,510
Pricing Errors Found	208 (4.5%)	88 (2.1%)	127 (3.0%)	133 (2.8%)	117 (2.6%)

CONSUMER COMPLAINTS BY TYPE AND YEAR

Type of Complaint	2014		2015		2016	
	Number Received	Number Violations	Number Received	Number Violations	Number Received	Number Violations
Foods	1	1	4	0	1	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	1	1	0	0	1	0
Gas Stations-Pumps	7	0	7	1	8	1
Gas Stations-Service Console	1	0	3	1	3	0
Gas Stations-Price Signage	9	9	2	1	2	0
Gas Stations-Gasoline Quality	0	0	2	0	4	1
Scales-Scrape Metal	0	0	0	0	0	0
Scales-Food	0	0	4	4	1	0
Scales-Other	0	0	0	0	0	0
Scanning	11	5	11	3	10	2
Trade Practices	1	1	1	0	4	0
Advertising	1	1	0	0	3	1
Going out of Business	0	0	0	0	0	0
Temporary Sales	0	0	0	0	0	0
Miscellaneous	1	1	0	0	0	0
Total	33	19	34	10	37	5

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 84 housing sanitation contacts, including consultations, complaints and follow-up inspections conducted in 2016.

In addition to the contacts for housing sanitation, an additional 47 consultations, inspections and follow-up inspections were made with residents regarding bed bugs. Although bed bugs are not known to transmit diseases, they do create a nuisance and some people experience anxiety, sleeplessness, and unease as a result of having bed bugs. Bed bug infestations are understandably significant psychosocial stressors, and some people may experience sleeplessness as they worry about bugs biting them or their family members.

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.

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.

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

ENVIRONMENTAL CONSULTATIONS AND COMPLAINT INVESTIGATIONS				
Nature of Contact	Number of Consultations		Number of Complaints	
	2011	2016	2011	2016
Community Water Supply	1	1	0	0
School/Day Care	2	6	0	0
Surface Water Pollution	3	1	1	0
Animal Nuisances	13	27	3	2
Rabies Control	43	18	0	0
Insect Control	27	50	4	10
Rodent Control	5	3	9	2
Hazardous Substance Control	6	13	3	1
Air Pollution - Indoor	45	10	33	5
Air Pollution - Outdoor	2	3	4	1
Noise	17	27	8	5
Radon	10	7	0	0
Garbage/Rubbish Nuisance	1	0	18	1
Private Residence/Housing	34	16	56	5
Lead	23	22	3	3
Mold	N/A	43	N/A	8
Other Programs	20	23	2	0
Other Business	66	40	3	1
Total	318	310	147	44

COMMUNITY INVOLVEMENT

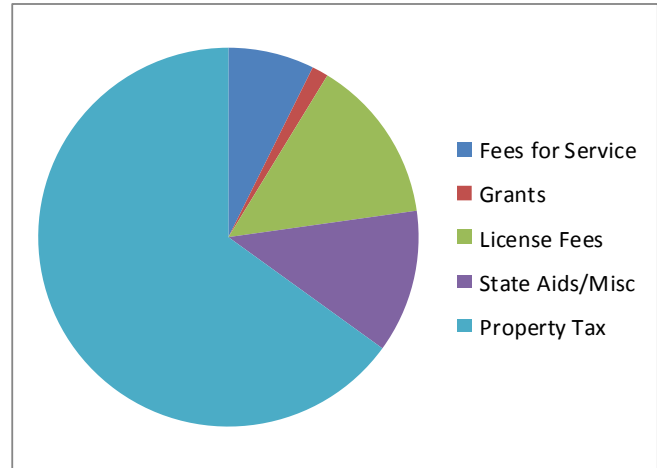
Health Department staff members recognize their role as a collaborative one within the community. As such, staff participate in a variety of community and professional activities including:

American Public Health Association	Northeast Region Environmental Supervisors Group
Appleton Area Schools District Safety Committee	Northeast Region Nursing Supervisors Group
Appleton Downtown Mobility Study Workgroup	Northeast Region Prenatal Care Coordinators
Breastfeeding Alliance Northeast Wisconsin (BFANWI)	Northeast Wisconsin Immunization Coalition (NEWIC)
CHAT Community Health Action Team	Northeast Wisconsin Public Health Preparedness Partnership
Community Health Improvement in Action (CHIA) Advisory Group	OB/Local Health Department Coordination Committee
Cuidate Latino Teen Pregnancy Prevention Program	Octoberfest Logistics Committee
Emergency Operation Plan Core Team Committee	Outagamie County Child Death Review Team
Family Services Inc. Board	Outagamie County Elder Abuse Interdisciplinary Committee
Fox Cities Community Council	Outagamie County Hazard Mitigation Plan Steering Committee
Fox Cities Housing Coalition	Preventive Health & Health Services (PHHS) Block Grant Advisory Committee for Wisconsin
Fox Cities Kiwanis	Regional Mental Health Network
Fox Cities/Oshkosh Bike and Pedestrian Steering Committee	St. Elizabeth Infection Prevention
Fox Valley Community Health Improvement Coalition	ThedaCare at Home Professional Advisory Board
Fox Valley Early Childhood Coalition	ThedaCare Infection Prevention
Fox Valley Healthcare Coalition	United Way Fox Cities Community Impact Council
Fox Valley Joint Refugee Resettlement	UW Population Health Institute Advisory Board
Fox Valley Lead Coalition	Weight of the Fox Valley Leadership & Core Planning Team
Fox Valley Memory Project Action Team	Wisconsin Association of Local Health Departments and Boards
Fox Valley Safe Kids	Wisconsin Association of Local Health Departments & Boards— Environmental Health Section
Head Start Advisory Committee	Wisconsin City Caucus of Weights & Measures Officials
Health Smart Team	Wisconsin Department of Agriculture, Trade & Consumer Protection, Weights & Measures Policies & Procedures Committee
Hispanic Interagency	Wisconsin Health Education Network
Hmong American Partnership Interagency Committee	Wisconsin Weights & Measures Association (WWMA)
National Conference on Weights & Measures	YUSA Diabetes Preventive Program Community Advisory Board

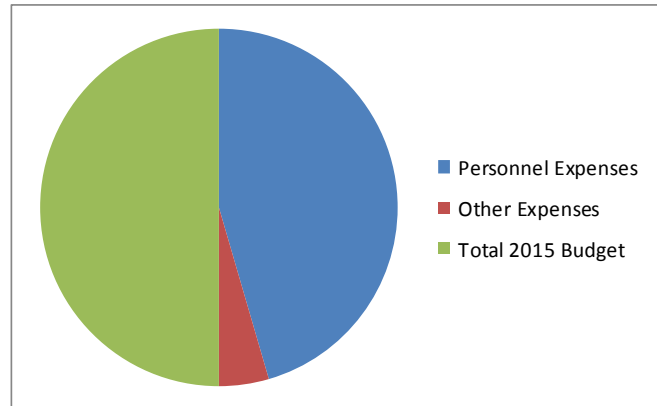
APPENDIX

BUDGET INFORMATION

2016 Actual Funding Source		
Fees for Service	\$99,295	7.3%
Grants	\$18,993	1.4%
License Fees	\$190,747	14.1%
State Aids/Misc	\$165,765	12.2%
Property Tax	\$882,349	65.0%



2016 Actual Expenses		
Personnel Expenses	\$1,234,724	91.0%
Other Expenses	\$122,425	9.0%
Total 2016 Budget	\$1,357,149	



COMMUNICABLE DISEASE DATA

(Rates per 1000 Resident Population)

Gastroenteric Disease	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
Amebiasis	1	0.01	0	0.00	0	0.00
Campylobacter*	13	0.18	28	0.39	13	0.17
Cryptosporidiosis*	9	0.12	5	0.07	7	0.09
E. Coli	1	0.01	2	0.03	4	0.05
Giardiasis	14	0.19	11	0.15	13	0.17
Listeriosis	0	0.00	0	0.00	0	0.00
Salmonellosis	5	0.07	6	0.08	11	0.15
Shigellosis	4	0.06	0	0.00	2	0.03
Yersinia	0	0.00	0	0.00	1	0.01

*Became reportable to local health departments in 2000

Sexually Transmitted Disease	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
HIV*	1	0.01	1	0.01	1	0.01
Chlamydia*	175	2.43	299	4.11	327	4.40
Gonorrhea*	41	0.57	49	0.67	41	0.55
Herpes**	38	0.53	N/A	N/A	N/A	N/A
Syphilis	2	0.03	1	0.01	8	0.11
Partner Referral Program***	4	0.06	12	0.17	3	0.04
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	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
Blastomycosis	2	0.03	3	0.04	1	0.01
Ehrlichiosis/Anaplasmosis	N/A	N/A	3	0.04	3	0.04
Haemophilus Influenza	N/A	N/A	2	0.03	0	0.00
Hepatitis A	2	0.03	1	0.01	1	0.01
Hepatitis B	1	0.01	3	0.04	2	0.03
Hepatitis C	23	0.32	25	0.34	60	0.81
Histoplasmosis	0	0.00	0	0.00	0	0.00
Hospitalized Influenza**	N/A	N/A	N/A	N/A	16	0.22
Lead Toxicity*	0	0.00	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	18	0.25	11	0.15
Malaria	0	0.00	0	0.00	0	0.00
Meningitis - Bacterial	1	0.01	0	0.00	0	0.00
Rheumatic Fever	0	0.00	0	0.00	0	0.00
Streptococcus Pneumoniae	4	0.06	5	0.07	6	0.08
Invasive Group A Strep	0	0.00	5	0.07	1	0.01
Invasive Group B Strep	1	0.01	3	0.04	5	0.07
Toxic Shock Syndrome	0	0.00	0	0.00	0	0.00
TB - Mycobacterium	0	0.00	1	0.01	0	0.00
TB - Atypical	3	0.04	22	0.30	10	0.13
Typhoid	0	0.00	0	0.00	0	0.00
Novel H1N1	N/A	N/A	N/A	N/A	N/A	N/A
Dengue Fever	N/A	N/A	N/A	N/A	0	0.00
Kawasaki	N/A	N/A	N/A	N/A	1	0.01

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

Vaccine Preventable Disease	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
Chickenpox (Varicella)*	4	0.06	6	0.08	5	0.07
Measles	0	0.00	0	0.00	0	0.00
Pertussis	12	0.17	34	0.47	18	0.24
Mumps	3	0.04	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 2016. The total cost of these analyses would be \$5,484 if they were not fee free.

TYPE OF ANALYSIS	NUMBER OF SAMPLES
Mycobacteriology	69
Salmonella	0
VDRL	0
Rabies	16
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	9
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 O157:H7	0
Respiratory virus PCR	0
Clostridium Perfringens Stool	0
Campylobacter	0

PUBLIC HEALTH NURSING CASELOAD

CLIENTS ADMITTED BY PRIMARY PROBLEM	2006	2011	2016
General Health Promotion	11	17	132
Prenatal	71	30	29
Complications of Pregnancy/Postpartum	84	29	34
Infant/Child Health	131	57	56
Infection/Parasitic/Communicable Disease	107	39	19
Endocrine/Nutrition/Metabolic	17	6	0
Nervous System/Sensory Organs	1	1	0
Circulatory System	44	11	8
Respiratory System	6	0	0
Musculoskeletal/Connective Tissue	8	2	2
Other	53	33	15
Total	533	225	295
CLIENT HOME VISITS	2006	2011	2016
Telephone/Home Visits	3031	1217	1357
CLIENTS ADMITTED BY AGE	2006	2011	2016
0-28 Days	61	17	36
29 Days - 11 Months	75	31	19
1-5 Years	29	27	15
6-11 Years	4	5	24
12-17 Years	38	11	21
18-29 Years	168	68	80
30-44 Years	45	23	57
45-54 Years	21	8	12
55-64 Years	10	14	9
65-74 Years	23	7	5
75+ Years	59	14	8
Total	533	225	286
CLIENTS ADMITTED BY RACE	2006	2011	2016
Caucasian	344	265	101
African American	21	26	107
Native American	2	1	2
Hispanic	48	71	28
Asian	76	169	43
Other	3	1	5
Total	494	533	286
CLIENTS ADMITTED BY GENDER	2006	2011	2016
Male	180	182	123
Female	314	351	172

VITAL BIRTH STATISTICS

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

APPLETON POPULATION			STATE CRUDE BIRTH RATE
2006	2011	2016	2013
72,004	72,715	74,286	11.6

Birth Data	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
Total Birth Rate	999	13.87	1024	14.08	930	12.52
Births to Married Woman	764	10.61	702	9.65	624	8.40
Births to Unmarried Woman	235	3.26	322	4.43	306	4.12
Total Births to Woman <18 Yrs	14	0.19	15	0.21	6	0.08
Unmarried <18 Yrs	12	0.17	12	0.17	6	0.08
Unmarried 18-29 Yrs	202	2.81	245	3.37	219	2.95
Unmarried 30-40 Yrs	20	0.28	59	0.81	77	1.04
Unmarried >40 Yrs	1	0.01	6	0.08	4	0.05

Age of Mother	Birth Count	Percent
15-17 years	6	0.65%
18-19 years	24	2.58%
20-24 years	148	15.91%
25-29 years	330	35.48%
30-34 years	300	32.26%
35-39 years	107	11.51%
40-44 years	13	1.40%
45+ years	2	0.22%
Total	930	100.00%

Race/Ethnicity of Mother	Birth Count	Percent
White (Non-Hispanic)	802	86.24%
Black (Non-Hispanic)	32	3.44%
American Indian (Non-Hispanic)	10	1.08%
Hispanic	14	1.51%
Laotian/Hmong (Non-Hispanic)	68	7.31%
Other (Non-Hispanic)	0	0.00%
Missing/Unknown	4	0.43%
Total	930	100.00%

VITAL BIRTH STATISTICS

Education of Mother	Birth Count	Percent
None	0	0.00%
Elementary	15	1.61%
Some High School	45	4.84%
High School Graduate	197	21.18%
Some College	275	29.57%
College Graduate	318	34.19%
Missing/Unknown	80	8.60%
Total	930	100.00%

Birth Weight	Birth Count	Percent
< 1,000 grams	4	0.43%
1,000-1,499 grams	3	0.32%
1,500-2,499 grams	54	5.81%
2,500-3,999 grams	776	83.44%
4,000 + grams	93	10.00%
Total	930	100.00%

Low Birth Weight	Birth Count	Percent
< 2,500 grams	61	6.56%
2,500 + grams	869	93.44%
Total	930	100.00%

*Provisional data from WI Vital Records Office Aggregate Birth Report 2016

VITAL BIRTH STATISTICS

Mother Smoked During Pregnancy	Birth Count	Percent
No	789	84.84%
Yes	136	14.62%
Missing/Unknown	5	0.54%
Total	930	100.00%

Mother Smoked During Pregnancy	No		Yes		Missing/Unknown		Total	
	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent
< 1,000 grams	4	0.51%	0	0.00%	0	0.00%	4	0.43%
1,000-1,499 grams	2	0.25%	1	0.74%	0	0.00%	3	0.32%
1,500-2,499 grams	38	4.82%	16	11.76%	0	0.00%	54	5.81%
2,500-3,999 grams	658	83.40%	113	83.09%	5	100.00%	776	83.44%
4,000 + grams	87	11.03%	6	4.41%	0	0.00%	93	10.00%
Total	789	100.00%	136	100.00%	5	100.00%	930	100.00%

Prematurity	Birth Count	Percent
Full Term (37+ weeks)	847	91.08%
Premature (<37 weeks)	83	8.92%
Total	930	100.00%

*Provisional data from WI Vital Records Office Aggregate Birth Report 2016

DEATH DATA

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

Crude Death Rate for State 2014 = 8.7

Age	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year	7	0.10	4	0.06	5	0.07
1 Year to 10 Years	2	0.03	1	0.01	1	0.01
11 Years to 20 Years	4	0.06	2	0.03	1	0.01
21 Years to 30 Years	5	0.07	4	0.06	7	0.09
31 Years to 40 Years	8	0.11	9	0.12	17	0.23
41 Years to 50 Years	18	0.25	22	0.30	22	0.30
51 Years to 60 Years	29	0.40	56	0.77	41	0.55
61 Years to 70 Years	49	0.68	55	0.76	58	0.78
71 Years to 80 Years	101	1.40	101	1.39	96	1.29
81 Years to 90 Years	166	2.31	142	1.95	119	1.60
91 Years to 100 Years	80	1.11	78	1.07	70	0.94
Over 100 Years	3	0.04	3	0.04	4	0.05

DEATH DATA

Causes of Death	2006		2011		2016	
	Number	Rate	Number	Rate	Number	Rate
Accidental Death	15	0.21	13	0.18	19	0.26
Congenital Anomalies	0	0.00	0	0.00	0	0.00
Complications of Pregnancy	0	0.00	0	0.00	0	0.00
Condition Originating in Perinatal Period	0	0.00	0	0.00	1	0.01
Disease of Blood/Blood Forming Organs	1	0.01	5	0.07	2	0.03
Disease of Circulatory System	190	2.64	158	2.17	150	2.02
Disease of the Digestive System	15	0.21	14	0.19	17	0.23
Disease of Genitourinary System	20	0.28	15	0.21	13	0.17
Disease of Musculoskeletal System/Connective Tissue	2	0.03	2	0.03	1	0.01
Disease of Nervous System	2	0.03	11	0.15	28	0.38
Disease of Respiratory System	53	0.74	59	0.81	52	0.70
Endocrine, Nutritional and Metabolic Disease	1	0.01	7	0.10	3	0.04
Homicides	0	0.00	0	0.00	2	0.03
Infectious and Parasitic Disease	11	0.15	4	0.06	11	0.15
Mental Disorder	0	0.00	0	0.00	23	0.31
Neoplasm	89	1.24	111	1.53	93	1.25
Suicide	4	0.06	15	0.21	8	0.11
Symptoms, Signs and Ill-Defined Conditions	69	0.96	64	0.88	16	0.22