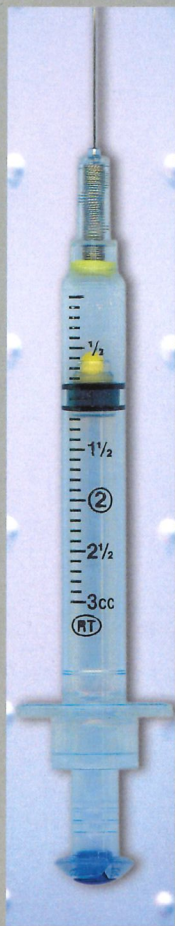


CITY OF APPLETON  
HEALTH DEPARTMENT



2018 ANNUAL REPORT





## MESSAGE FROM THE DIRECTOR

I am pleased to submit for your review our 2018 Annual Report of the Appleton Health Department.

As you will note, we are focused on prevention. Our programs and services seek to increase healthy births, promote healthy lifestyles, prevent the spread of infectious diseases, protect the environment and prepare for emergencies.

In the narrative, you will find examples of how we provide direct services to the public, as well as our many collaborative efforts to impact population health. We rely on these partnerships to leverage cost-effective services.

One important policy change this year resulted in Appleton becoming the first community in Wisconsin to establish a Health in All Policies (HiAP) ordinance. This ordinance has opened up dialogue between government, key stakeholders and residents most impacted by gaps in health outcomes. These discussions, and actions taken as a result, will not only prevent costly, preventable illness, this work will also lead to a shared community goal of inclusion. This HiAP ordinance sends the message to all residents that they are welcome here and their health matters to us and impacts our own wellbeing. It is in this spirit that meaningful discussions can occur that lead to improvements in the social determinants of health.

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 2018, but also provides trend data comparisons for selected activities. The data for 2018 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***

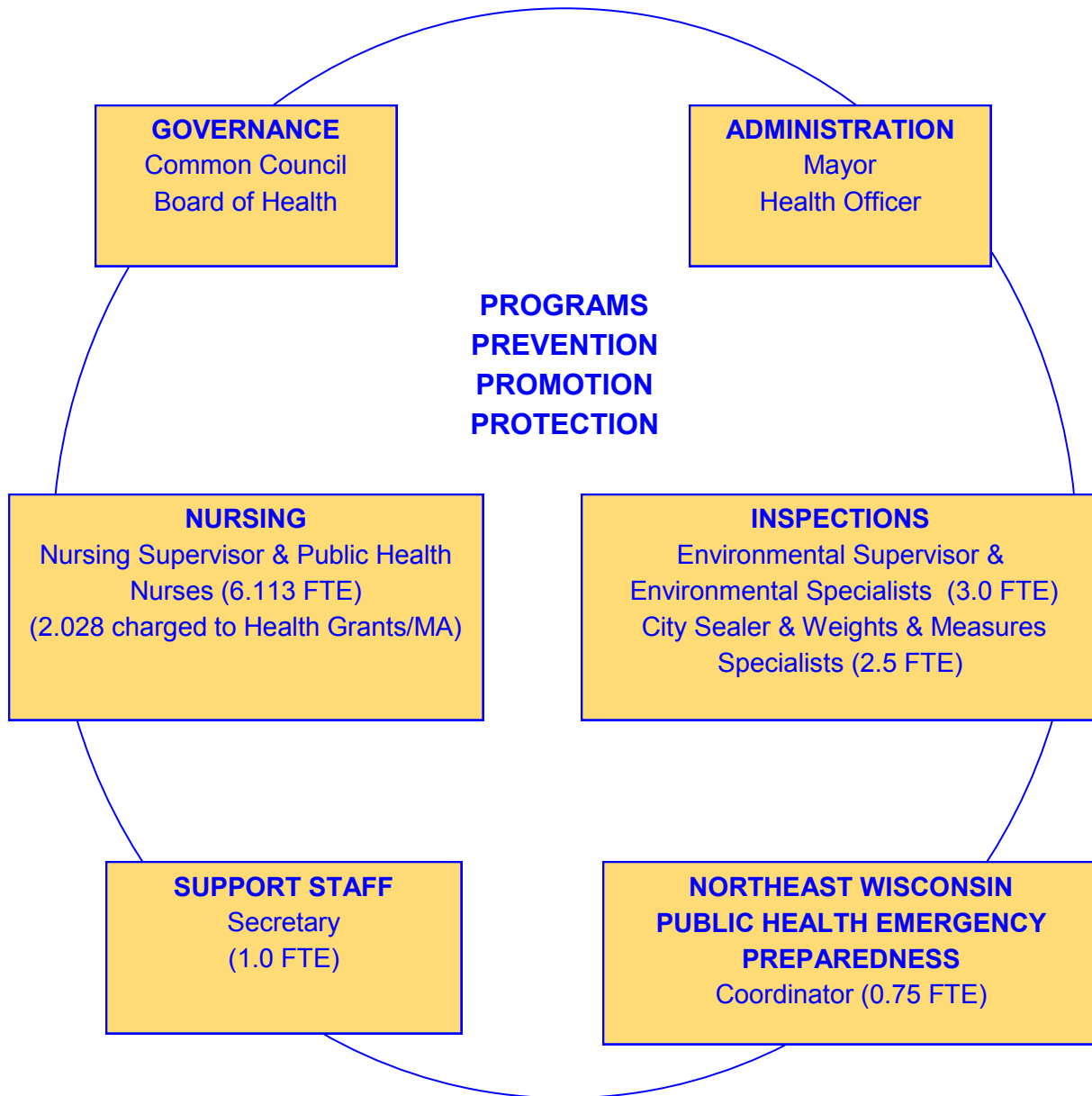
## ***MISSION AND BELIEF STATEMENTS***

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.

# 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 Vered Meltzer  
Aldersperson Bob Baker

## **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  
Kevin Grosskreutz, 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  
Jena McNiel, 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  
Ashley Rankin, R.N., Part-time PHN  
Krista Waterstradt, R.N., Part-time PHN

### **Northeast Wisconsin Public Health Emergency Preparedness**

Daniel Kane, Public Health Preparedness Coordinator

### **Support Staff**

Melissa Suttner, 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  
Bob Baker



Aldersperson  
Vered Meltzer

## *The Department*

### **HIGHLIGHTS OF 2018**

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

February 17, 2018, Weights and Measures Specialist, Keith Verhagen, made an unannounced visit to the Saturday indoor winter Farm Market at the City Center. A total of 21 booths were examined. 1,268 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.

April 18, 2018 a reinspection of a local gas station (Sayash LLC., 1920 E. Wisconsin Ave., Appleton, WI 54911) by Kevin Grosskreutz, Weights and Measures Specialist, detected major violations during the reinspection which revealed 9 pricing errors (3 overcharges) in a 25 item sample. As the National Price Verification Code tolerance is + or – 2%, the 36% overall error rate found in this inspection is a violation, and indicated problems with the store’s price control system. Because the store has not shown any improvement from its first inspection and it still hasn’t made the necessary steps to avoid simple errors, a citation was issued along with a second warning letter. A reinspection was conducted in May with significant improvement the price scanning system, resulting in compliance.



to

August 22, Weights and Measures Specialist, Keith Verhagen, inspected the Appleton Downtown, Inc. Farm Market. Of the 112 vendors inspected, there were five vendors found to have labeling issues.



September 29: Keith Verhagen, Weights & Measures Specialist, conducted Weights and Measures inspections at the Octoberfest celebration. There were 28 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. There were three minor violations found that were fixed at the time of inspection.



In addition, this year, there were 86 food stand inspections and 10 re-inspections conducted by the Health Department during License to Cruise and Octoberfest. Three food stand inspections were conducted at License to Cruise. Eighty three (83) non-profit food stand inspections were conducted at Octoberfest. Of the 86 stands that were inspected this year, 67 food stands had *no violations* at the time of the inspection (78%). There were a total of 27 violations recorded at 17 food stands during Octoberfest and 3 violations found at 2 food stands at License to Cruise.

In 2018, the Board of Health and Common Council approved adding Fox Crossing to our East Central Weights and Measures Consortium. City Sealer Eric Maggio and Health Officer Kurt Eggebrecht met with the now nine contracted Consortium municipalities of Ashwaubenon, Berlin, Fox Crossing, Kaukauna, Kimberly, Little Chute, New London, Ripon and Waupaca. The yearly meetings provide a chance to have face-to-face meetings about the program and answer any questions about the work we've done during the year, update new contracted fees and learn of new projects within their communities that likely will require Weights and Measures services. This allows us to monitor expected number of service days. The municipalities remain pleased with the work Weights and Measures staff provides and the partnership 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.”***

The first quarter of 2018, Registered Sanitarians, Michelle Roberts and Steve Kihl, conducted a third round of lead clearance testing at 323 East Spring St. The enclosed exterior porch failed the clearance test. The porch needs to be re-cleaned and tested again. This has been challenging due to the type of wood and contractor experience to remove the lead hazard.

Emergency Preparedness Coordinator, Daniel Kane, began a quality improvement project involving the health department website. During an emergency, access to useful information is critical and therefore, it is essential that the department be able to disseminate that information in the best way possible. Therefore, the goal of the project is to make a more efficient, less cluttered, and overall more user-friendly experience for those who use the site.

This quarter, the newly formed City Interdepartmental Health in All Policies (HiAP) Team convened and began working on a transportation-focused action plan.

## HEALTH IN ALL POLICIES

Creating a healthier, more vibrant and equitable Appleton

Committee members include Kurt Eggebrecht, Dean Gazza, Karen Harkness, Ronald McDonald, Karen Nelson, and Paula Vandehey. The work and action plan of this committee can be viewed on the Health Department website.



**BOYS & GIRLS CLUBS**  
OF THE FOX VALLEY

June 5, Tim Mirkes, RS, Environmental 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. While the Boys and Girls is exempt from licensing, it is still important to assure safe meal delivery.

The State Environmental Health license year runs from July 1 through June 30. This year, Environmental Supervisor Tim Mirkes, RS, made a courtesy contact with all 51 establishments on our late fee list, notifying them that they are delinquent in paying for the Health license by the deadline of June 30, and they now also a late fee of \$95.00 on or before July 14 in order to remain open for business. Mirkes also made courtesy contacts to the 31 establishments that were on the Finance HOLD list. This extra effort resulted in no establishments being closed on July 15, for operating without a valid license.

Public health nursing staff worked with World Relief Fox Valley and various partners in the Appleton community to welcome 44 refugees in 2018.



Environmentalists, Michelle Roberts, RS and Steve Kihl, RS had a busy summer working with the farm markets held Wednesdays at Festival Foods on Northland; Wednesdays at Long Cheng's Market Place; and Saturdays at ADI downtown Appleton. They have had numerous consultations with vendors that were added to the markets after the annual spring training session was held.

Health department nursing staff provided 258 doses of influenza vaccine to elected officials and City of Appleton employees, their spouses, partners and children nine years of age and older.



Health department staff responded to an active TB case in a school-age child. Due to the close contacts for a prolonged time frame, we provided testing on site to determine if any other faculty or students had contracted the illness. This requires a two-step process weeks after, due to the nature of this disease. We collaborated with local medical providers and public health nurses provided testing on site. We also collaborated with

Partnership Clinic for those requiring a blood test. The results of this testing demonstrated no additional cases. This also provided assurance to the entire community. To inform the medical community and community at large, significant communication was provided by Health Officer Eggebrecht. All primary care physicians in the three county region received emails with the parent notification letters attached. He also utilized print, TV and radio to educate the community of the disease and the low risk of contraction of TB.

Public Health Nurses Ann Steele and Kathleen Sprangers, along with Administrative Assistant Melissa Suttner, created two displays to promote Childhood Lead Poisoning Prevention. These educational displays were available for the community to view at the Appleton Public Library for the entire month of October.



Anna Westmark, Registered Dietitian, completed an internship with our department this year. Her primary focus was to work on a new healthy kid's menu project through the Healthier Wisconsin Partnership Program. Through this project, she has collaborated with Wisconsin communities to survey children's menus from local restaurants to evaluate nutritional content using the Nutrition Environment Measurement Survey (NEMS). After analyzing the content of the menus, she plans to partner with restaurant owners to explore healthier food options for children.

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

January 15, Public Health Nurse Kathleen Sprangers, RN, presented at the ThedaCare Regional Medical Center-Appleton Mom and Me class. The topics covered were childhood lead poisoning prevention and immunizations. 11 moms and their babies attended.

January 31, Health Officer Eggebrecht spoke at Lawrence University for students enrolled in the Environmental Studies course. The topic was the role that public health performs regarding communicable disease. The students were also interested in the recently passed Health in All Policies ordinance.



February 9, Public Health Nurse Becky Lindberg, RN, presented on the topic of “Hygiene” to students in five different classes at Horizon Elementary School. 87 students attended the presentation, which included instruction on proper hand hygiene and covering your cough/sneeze.

February 13, In coordination with the Mosaic Residency Program, two resident physicians met with Environmental Supervisor Tim Mirkes 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 foodborne illness investigation as it relates to their practice, as well as other areas where the environmental section can be a resource.

March 22, Health Officer Eggebrecht presented at the City-sponsored Citizen’s Academy. Eggebrecht shared the history of public health in Appleton, which provided an opportunity to also share the history of disease control and prevention, including disease reporting (vital statistics), sanitation and the benefits of immunizations.

April 3, Public Health Nurse Supervisor Sonja Jensen, RN, presented on Tuberculosis and Other Communicable Diseases to Resident Family Practice Physicians at Mosaic Family Health Center. Fourteen physicians attended the presentation.

April 5, Health Officer Kurt Eggebrecht presented to the staff of the Winnebago County Health Department. The topic requested was Appleton’s Health in All Policies ordinance and the expected outcomes of the work.





April 14, Public Health Nurse Jess Moyle, RN, represented the Breastfeeding Alliance of Northeast Wisconsin at the Kids Expo, held at the Fox Cities Exhibition Center in Appleton.

May 4, Public Health Nurse Becky Lindberg, RN presented on Safe Sleep at the Young Parent Conference at Fox Valley Technical College. Forty young parents were in attendance.



May 9, 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 Vendor attended the meeting this year. Keith provided information regarding policies as well as the testing of 21 farm market vendors' scales. The mandatory meeting provides a great foundation for high compliance throughout the Farm Markets summer duration. Weights and Measures staff will monitor the farm market closely throughout the summer to ensure compliance.

May 31, City Sealer Eric Maggio and Keith Verhagen participated and spoke at the annual Appleton Downtown Saturday Farm Market Vendor meeting in the Library meeting room. City Sealer Maggio provided information regarding policies as well as going over rules. Weights and Measures staff tested 23 farm market vendor's scales as well as package and labeling inspections. The meeting provides an educational foundation resulting in high compliance throughout the Farm Markets summer duration. Weights and Measures staff will monitor the farm market closely throughout the summer to ensure compliance.

May 31, Health inspectors also conducted annual training to participants of the ADI farmer's markets. On June 21, they conducted the annual training for new participants planning to attend Oktoberfest.

June 24, Jess Moyle, RN presented at the Weight of the Fox Valley Wellness Collaboration meeting about the benefits of being a Breastfeeding Friendly business. Thirty-three community partners were in attendance.

June 27, Public Health Nurse Ann Steele, RN, as part of the Fox Valley Memory Project, staffed a resource table at a production of the play, "Painting Churches". This was an Attic Chamber Theatre Production held in Menasha.



July 10, Health Officer, Kurt Eggebrecht presented to second year medical students from the Medical College of Wisconsin-DePere campus. He shared how public health and the medical community work to resolve communicable disease outbreaks.

July 16, Becky Lindberg, RN, presented at the Mom and Me group at ThedaCare Regional Medical Center. Four moms and their babies were in attendance and the topic was Safe to Sleep.

August 24, Becky Lindberg, RN and Jess Moyle, RN, trained 38 providers of the Fox Cities YMCA on Breastfeeding Friendly Childcares. This presentation was held at the Appleton Alliance Church and presented in partnership with Outagamie County Public Health department staff.



September 21, Health Officer, Kurt Eggebrecht presented at the Healthiest State Conference. This event was held in Green Bay. Eggebrecht spoke on the Health in All Policy ordinance and related work that has resulted from this effort.

October 2, Jess Moyle, RN, gave a presentation about breastfeeding to 7 AmeriCorps members. This training was held at the United Way Fox Cities in Menasha.

October 8, Becky Lindberg, RN, and Jess Moyle, RN, gave a presentation to 46 first grade students at Foster Elementary. This interactive presentation focused on handwashing and “germs”.

October 9, Becky Lindberg, RN, presented at the annual Lawrence University Health Fair. She partnered with former Appleton Student Intern Anna Pell, and the topic was Breastfeeding Friendly Worksites and other general breastfeeding information. 180 people attended, including students and employees.

Becky Lindberg, RN, presented on the topic of Safe Sleep to 3 students at Appleton Central High School.

November 13, Public Health Nurse Jess Moyle was a member of the Breastfeeding Friendly Workplace Panel at the Annual Wisconsin Breastfeeding Coalition’s Annual Summit in Marshfield.

Kathleen Sprangers, RN, presented to 9 Appleton Health Department employees (public health nurses and administrative assistant) on Vaccine Storage and Handling.

October 30, Public Health Nurses Ashley Rankin, Jess Moyle and Krista Waterstradt met with Appleton Area School District nurses and social workers. At this meeting they discussed various Public Health services such as Prenatal Care Coordination and Maternal Child Health.

November 15, Jess Moyle, RN, and Sonja Jensen, RN, gave a presentation and participated in a discussion with six Mosaic Family Health Faculty and Management staff members. The topics focused on were Prenatal Care Coordination, Maternal Child Health, Lead Poisoning Prevention and Immunizations.



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

This year, the department applied and successfully secured a State Health Mini-grant to advance our health equity work in the community. These funds were used to support the planning for a key leader lunch and conversation, as well as facilitator training for staff to conduct listening sessions throughout the community from targeted residents who often don't have a voice with traditional community health needs assessments.



Health Office Eggebrecht represents the department on The Fox Valley Community Health Improvement Coalition. This group meets monthly to work on our community health assessment. More than 1600 phone-based surveys have been completed in the tri-county area. This coalition includes four healthcare systems and five health departments, who work collaboratively to share costs and explore the leading preventable health issues leading to strategies to reduce them and improve the community's health.

Emergency Preparedness Coordinator Daniel Kane completed a new, revised version of the public health emergency plan. It is meant to cover all hazards and is user-friendly enough for both experienced and inexperienced users. Daniel was on the State workgroup that created the new structure for the plan. Daniel then built upon that framework to put together a plan that is more efficient and easy to use for all staff. The plan follows a new format that aligns with capabilities associated with public health preparedness. Daniel conducted a training for all staff to go over the new plan and how to use it.

This year, the department hosted Alexis Woerisher, a Master in Public Health candidate from the Medical College of Wisconsin. Health Officer Eggebrecht served as her mentor and she focused her work on promoting the benefits of seasonal influenza vaccine. Alexis outreached to the faith-based community in Appleton with posters promoting vaccine effectiveness and the benefits of proper handwashing. She also updated the showcase outside of Council Chambers while early voting took place.

***“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 16, Health Officer Eggebrecht presented the Health in All Policies ordinance at the Appleton Library Board. The Library Board then voted to adopt this ordinance.



January 18, 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.

April 10, Health Officer Kurt Eggebrecht participated in the Wisconsin Health Education Network annual meeting held in Middleton. Eggebrecht serves on the planning committee for this annual training.

April 11, 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 foodborne illness investigation as it relates to their practice, as well as other areas where the environmental section can be a resource.

May 15, the management team at the Appleton Health Department participated in an emergency management exercise called “Dark Sky”. This exercise allowed us to review and share what steps we would take to respond to a long term power outage.



In May, Public Health Nurse Becky Lindberg, RN, provided TB skin testing for Appleton Fire Department employees and staff at Homeless Connections. Eighty-three screenings were completed.



May 19, The Ancestral Women Exhibit: Wisconsin's 12 tribes, featuring Mary Burns, took place at Atlas Mills. Health Officer Eggebrecht worked with tribal members and the Women's Fund to offer Native American Arts and Crafts, Gii Taa'se Singers Drum Group, Traditional Invocation by Menominee Elder and Mary Burns' presentation. The goal of the exhibit was to honor and celebrate ancestral women from each of Wisconsin's tribes. These are the women who have held families and communities together. They are the glue in the fabric of their communities' wellbeing.

June 16 was the 10<sup>th</sup> Annual Family Services Inc. Butterfly Festival, held at City Park. This is a fun event that raises funds to support Parent Connections, a child abuse prevention program that our department collaborates with on a regular basis. Health Officer Eggebrecht serves on the Board for Family Services and partners with the Fox Cities Kiwanis to support this effort that raised more than \$50,000 this year.

This year, we hosted an outstanding student intern from Lawrence University, by the name of Anna Pell. Anna worked on several projects, including compiling Lyme's Disease identification kits. She then presented informative sessions to City staff whose occupation takes them into the natural environment. These included staff from Facilities, Park and Recreation, Department of Public Works and the Golf Course. She also put together an educational display to celebrate World Breastfeeding Week. Breastfeeding is an important public health issue that promotes health, prevents disease and helps contribute to reducing health inequalities. The display was on the 6th floor of City Hall, in the display case by council chambers, throughout the month of August.



August 4: The 7<sup>th</sup> Annual Breastfeeding Walk, hosted by the Breastfeeding Alliance Network of Northeast Wisconsin (BFAN), took place. This year's walk started at First United Methodist Church in Appleton. The walk is held to celebrate World Breastfeeding Week and to raise awareness about the importance of breastfeeding. Public Health Nurses Becky Lindberg and Jess Moyle, along with Student Intern Anna Pell, worked with BFAN members to help make the walk a success. There were 118 participants at the walk.



Public Health Nurses Becky Lindberg and Jess Moyle redesignated 4 Appleton childcare centers as Breastfeeding Friendly during the months of July, August and September 2018. Faith Childcare, Kindercare on Ballard, Kindercare on Oneida and ThedaCare Learning Center all achieved this level of recognition.

October 4, Tim Mirkes, RS, Environmental Supervisor, participated in a Multi-Agency Resource Center (MARC) Exercise.

Health Officer Eggebrecht participated in a series of meetings with other key stakeholders to support and provide input into ThedaCare's community health needs assessment and prioritization plans.



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

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

February 27, Anna Westmark, Registered Dietitian, presented a “Lunch and Learn” to the City of Appleton staff on the misleading claims of FAD diets and the best practices when trying to lose weight. On March 20, Anna also presented a “Lunch and Learn” to the City of Appleton staff on vitamin and mineral supplements. During this presentation, she discussed the specific populations that may benefit from supplements and what to look for when selecting them.



March 20, Emergency Preparedness Coordinator Daniel Kane conducted a training for department management level staff on the use of Web EOC. Web EOC is a web-based interface that allows for multiple agencies, departments and personnel to all work under one roof during a disaster. This system allows for timely, up-to-date information across many channels that provides situational awareness for all involved. Being able to access and use this software is essential, should a public health emergency happen in the community.

March 27, Sonja Jensen, RN presented on Blood borne Pathogens and Clinical Lab Packaging at the department all-staff meeting. All 17 health department staff members completed the annual training.

Environmentalists Michelle Roberts, RS and Steve Kihl, RS both successfully passed their restandardization exercises. The purpose of standardization 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.

Public Health Nurse Ann Steele was nominated, and was a finalist, for the 2018 Nightingale Award. The prestigious Nightingale Award for Nursing Practice, named in honor of Florence Nightingale, recognizes some of Wisconsin's best nurses for excellence in clinical nursing practice. Ann was honored at the Nightingale Event, which took place on April 12 at UW Oshkosh. The comment from the nominating committee was, "You truly reflect what it means to be an amazing nurse and your exceptional dedication to provide your patients with the best care does not go unnoticed".



*We place a high priority on workforce development and training of department staff. This year, staff participated in a variety of training opportunities, including:*

January 25, Ann Steele, RN and Kris Eiden, RN attended a presentation on Human Trafficking by the awareness group, 5 Stones. This was hosted by the Fox Cities Community Council and held at Goodwill in Menasha.



February 16, Becky Lindberg, RN and Sonja Jensen, RN attended the joint refugee resettlement team meeting at the Appleton Library.

February 21, Public Health Nurses Jess Moyle, Ashley Rankin and Trish Schuldes attended the Northeast Region PNCC meeting at the Menasha Library.

February 22, Sonja Jensen, RN attended the Fox Cities Housing Coalition/ NAMI Community Mental Health for Professionals Workshop at Fox Valley Technical College.



March 7 & 8, Environmental Supervisor Tim Mirkes, RS, attended the 2018 Governor's Conference on Emergency Management and Homeland Security. The theme for the conference was focused on disaster recovery.

March 8-9, Becky Lindberg, RN and Jess Moyle, RN attended the annual Wisconsin Association of Lactation Consultants conference Oshkosh Convention Center.



March 14, Emergency Preparedness Coordinator Daniel Kane attended a training called “Multi-Agency Resource Centers (MARC)”. This training was put on the by the Red Cross, who typically will lead the effort to establish a Multi-Agency Resource Center during a disaster. These centers aim to bring multiple essential service providers from both public and private sectors all under one roof to provide assistance for those following a disaster. Examples of provided services include food/water distribution, public health information, insurance, debris removal, medicine resupply, rent assistance, etc. The training provided insight on how to establish a MARC and best practices for operating one in a community.

March 22, Kris Eiden, RN and Jess Moyle, RN attended a presentation about Compassion Fatigue. This was hosted by the Fox Cities Community Council and held at Goodwill in Menasha.

April 16-20, Health Officer Kurt Eggebrecht, Public Health Nurse Ann Steele and Emergency Preparedness Coordinator Daniel Kane attended the 2018 Preparedness Summit in Atlanta, Georgia. Kurt, Ann and Daniel were able to attend the conference thanks to a training scholarship provided from Wisconsin Department of Health Services. The theme of the conference was, “Strengthening National Health Security: Mastering Ordinary Responses, Building Resilience for Extraordinary Events”.

April 24, all public health nursing staff attended a training in Appleton on Cardiovascular Health. This presentation was given by Mohamed Abdelazim, RN, who completed his UWGB BSN clinical with the Appleton Health Department this spring.

April 25, Public Health Nurses Kathleen Sprangers and Sonja Jensen attended the Wisconsin Immunization Registry User Group Meeting in Green Bay.

April 26, Public Health Nurses Ashley Rankin, Jess Moyle, Kathleen Sprangers and Sonja Jensen attended the Northeast Wisconsin Immunization Symposium at The Marq in De Pere. The theme of the symposium was, “Communicating about Vaccines: Addressing Vaccine Hesitancy”.

May 18, Public Health Nurses Becky Lindberg, and Sonja Jensen attended the joint refugee resettlement team meeting in Oshkosh. The topic of focus was “Long Term Integration”.

May 22, Public Health Nurses Jess Moyle and Sonja Jensen attended a WEDSS update training in Green Bay.



May 22-24, Public Health Nurses Jena McNeil, Jess Moyle and Sonja Jensen, along with Health Officer Kurt Eggebrecht, attended the combined Wisconsin Public Health Association and Wisconsin Association of Local Health Departments and Boards conference in Green Bay. The 2018 theme was: “Leading the Evolution of Public Health”.



June 12, Public Health Nurses Ashley Rankin and Jess Moyle attended the Northeast Region PNCC meeting at the Menasha Library. Topics included a presentation on perinatal depression and a question and answer session with Katie Kopina Buser, Nurse Midwife from Aurora Health Care.

July 31-August 1, public health nurses Jena McNeil and Kathleen Sprangers attended the 2018 WPHA Public Health in Practice Conference in Stevens Point. The theme for the conference was, "Better Together".

August 8, public health nurse Becky Lindberg attended the Quarterly Consultation with the State Refugee Coordinator's Office at Fox Valley Technical College Campus in Oshkosh. Food and nutrition were main topics at this consultation.

August 14, public health nurse Ashley Rankin attended a WEDSS (Wisconsin Electronic Disease Surveillance System) training at UW Green Bay.

September 18: The department held its annual off-site team building/learning day. These annual events have generated a better understanding and relationship building amongst the staff. Appreciation to Human Resources staff who assisted in the planning and support for this event.



September 25, public health nursing supervisor Sonja Jensen attended the 2018 Wisconsin Clinical Laboratory Network annual regional meeting at Liberty Hall in Kimberly.

Earlier in 2018, we submitted an application on behalf of our Appleton community, highlighting our collaborative health prevention work. September 20<sup>th</sup>, Health Officer Eggebrecht accepted the award, titled "Wisconsin Healthy Communities Designation" on behalf of our community, titled "Wisconsin Health Communities Designation Award". Appleton was one of 31 communities to receive this inaugural designation.

September 26-27, public health nursing supervisor Sonja Jensen attended a Behavioral Change Workshop at the Pyle Center in Madison. This training was sponsored by the Wisconsin Department of Health Services Tuberculosis (TB) Program, and is the first step towards a work plan for a statewide TB Prevention Coalition. This coalition of local health departments will work together to bring about positive changes in four main focus areas in the area of TB prevention.

In October, Tim Mirkes, RS, Environmental Supervisor, and Michelle Roberts, RS, attended the annual DATCP regional meeting in Waupaca.



FEMA

In October, Steve Kihl, RS, and Michelle Roberts, RS, participated in a two day FEMA Training in Green Bay. The course was “A Team Approach to Foodborne Outbreak Response”.

October 2, Public Health Nurses Ashley Rankin, Jess Moyle and Krista Waterstradt attended the regional PNCC meeting at the Menasha Library.

October 2, Nursing Supervisor Sonja Jensen attended United Healthcare Community Plan Innovation Day in Howard. The focus of the Innovation Day was, “Wisconsin Children Living Health Lives”, with the intertwining themes of Trauma-Informed Care and Birth Outcomes.

October 8-10—City Sealer Eric Maggio represented Appleton by attending the annual Wisconsin Weights and Measures fall conference in Stevens Point, WI. The conference was administered by the Wisconsin Weights and Measures Association and the National Conference for Weights and Measures. A variety of topics were discussed during this year’s training.

October 19, Public Health Nurses Becky Lindberg and Susan Larson attended Refugee Mental Health and Suicide Prevention training. This was sponsored by World Relief Fox Valley and held at United Congregational Church in Appleton.

November 11, Health Officer Eggebrecht attended the State Cancer Summit: Equity in Action, held in Madison.

November 13, Public Health Nurses Becky Lindberg and Jess Moyle attended the Wisconsin Breastfeeding Coalition Annual Summit in Marshfield. This event was sponsored by the Wisconsin Breastfeeding Coalition and Wisconsin Association of Lactation Consultants.

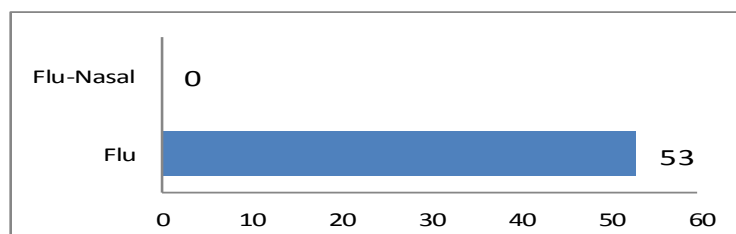
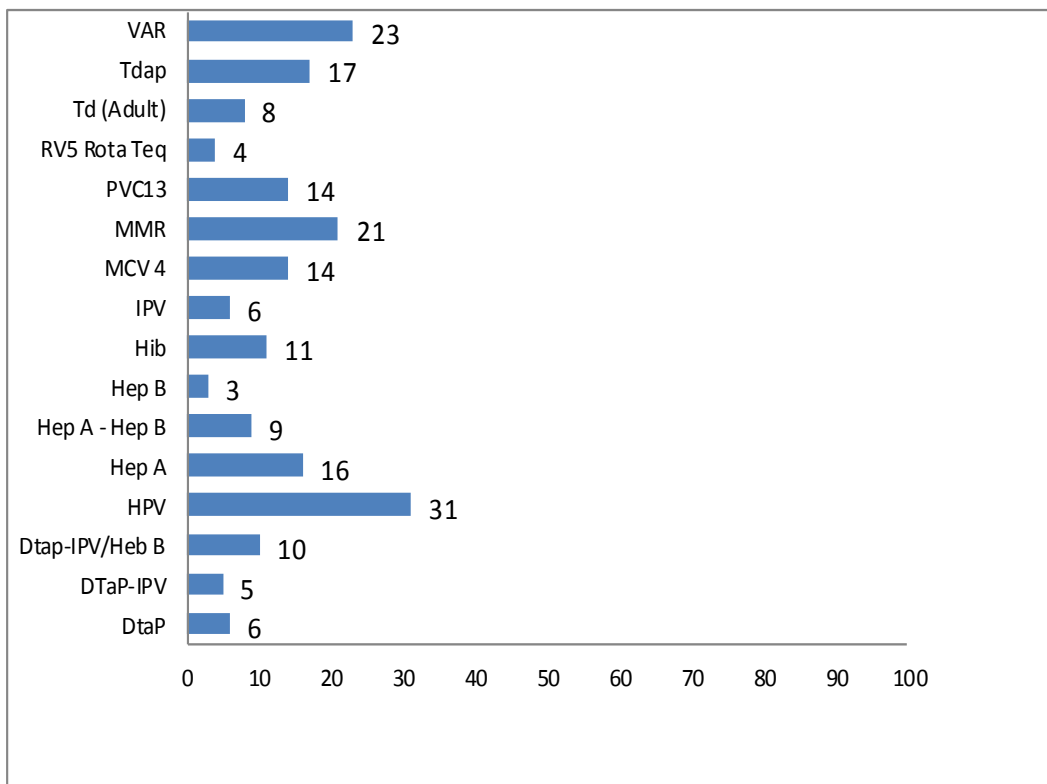
November 16, Public Health Nurses Becky Lindberg and Sonja Jensen attended the Joint Fox Valley Refugee Resettlement Meeting at Miron Construction in Neenah. Topics included the facts and challenges of a refugee's immigration process and a panel-led discussion on the topic of Secondary Migration.

## 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 non-English speaking residents, including Hmong, Spanish and Swahili, to name a few. 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 2018, 85 clients received 255 doses of vaccine.

### *Vaccines Administered in 2018*





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 2018, 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 2018, 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 8 long term care facilities with respiratory illness outbreaks.

The Department also received 15 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 2018.

Tables showing numbers of cases and rates per 1000 population for all gastroenteric and sexually transmitted diseases are located on page **42**. Additionally, page **43** 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 2018.

## ***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 2018, 65 individuals were served and 157 lab tests were performed resulting in 17 treatments for positive cases.

## ***Foodborne Outbreak Illness Investigation***

There were no foodborne outbreaks investigated or reported to the State Division of Public Health in 2018.

## ***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 2018, the State provided \$4,384 of fee exempt service to the City. A table of exact types and numbers of test performed is located on page **44**.

## ***Occupational Health***

Collaborative efforts in providing occupational health services related to communicable disease continued in 2018. 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 and retail food stores.

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 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 DATCP, the Department enforces sanitary and safety regulations for all hotels, motels, bed & breakfast establishments and tourist rooming houses, such as AirBnB. 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	2013	2018
<b>SWIMMING POOL WATER SAMPLES</b>		
Total number of pool samples	248	229
Total number of pool re-sampled	1	6
Total positive Heterotrophic Plate Count	0	0
Total positive coliform	1	6
<b>RABIES SPECIMENS</b>		
Total number shipped	6	4
Total positive results	0	0

**Public Pools** - As agents for DATCP, 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 DSPS 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 2017/18 is compared to 2012/13. In the 2017/18 license year, the Department issued 500 licenses, compared to 460 licenses in 2012/13. In 2017/18, 3 plan reviews were completed, and in 2012/13 there were 7 plan reviews completed for new or re-modeled establishments. In 2017/18, 61 pre-licensing inspections were conducted for new or change-of-operator establishments compared to 34 pre-licensing inspections in 2012/13.

As of July 1, 2017, nonprofit organizations, such as youth groups, churches and service clubs, which occasionally prepare, serve or sell food to the public, were no longer required to obtain a nonprofit permit from the Appleton Health Department. This was due to a change initiated by the Department of Agriculture, Trade and Consumer Protection, of which we are an agent.

## **LICENSES/REGULATED ESTABLISHMENTS**

2012/13 COMPARED TO 2017/18

Type of Establishment	Number of Inspections		Number of Consultations		Number of Complaints		Number of Re-inspections and Complaint Follow-ups	
	2012/13	2017/18	2012/13	2017/18	2012/13	2017/18	2012/13	2017/18
Public Eating and Drinking Establishments; Temporary Restaurants; Non-Profits	317	299	320	409	35	24	95	89
Permanent and Temporary Retail Food Establishments	101	92	79	57	16	2	15	12
Lodging Establishments; Rec/Ed/Campground	11	10	5	4	0	0	0	0
Manufactured Home Communities	1	1	2	1	0	0	0	0
Vending Machines	0	0	0	0	0	0	0	0
Swimming Pools	29	27	15	0	0	2	0	0
Tattoo/Body Piercing Establishments	12	11	14	0	1	0	3	0

**Chickens** - On April 19, 2017, Common Council voted to allow Appleton residents to apply for a permit to keep up to four hens on their property. Chicken keeping requirements were drafted and approved. In 2018, the limit was raised to keep up to six hens on their property. The Health Department is charged with oversight of this regulatory program. There were a total of 19 permits issued in 2018.



### ***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 2018 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 and worksites 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 ensure prevention of environmental lead exposure of Appleton's children. This is done through surveillance of blood lead levels, provision of lead poisoning prevention education to persons/programs involved with children and case management 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 for 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, libraries 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. Interagency collaboration continues with department participation in the Fox Valley Lead Coalition, the Fox Cities Housing Coalition and the Hispanic Interagency Coalition.

Staff nurses implement this program by educating parents on sources of lead, the effects of lead poisoning, nutrition, the use of lead check swabs, appropriate cleaning techniques for lead dust, and developmental evaluations of lead affected children. Cleaning kits continue to be provided at all home visits. 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 2018, 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.

<b>Elevations (ug/dl)</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Venous Lead Levels > 19 ug/dl	3	4	1	2	1	0
Venous Lead Levels 10-19 ug/dl	3	6	3	5	4	1
Capillary Lead Levels > 10 ug/dl	0	4	4	5	7	3
Venous Lead Levels 5-9 ug/dl	n/a	n/a	n/a	18	17	22

## ***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 936 referrals in 2018. A total of 1,046 visits, including admissions, revisits and discharge visits, as well as phone consultations were made to these clients. This compares to 1,383 visits in 2017.

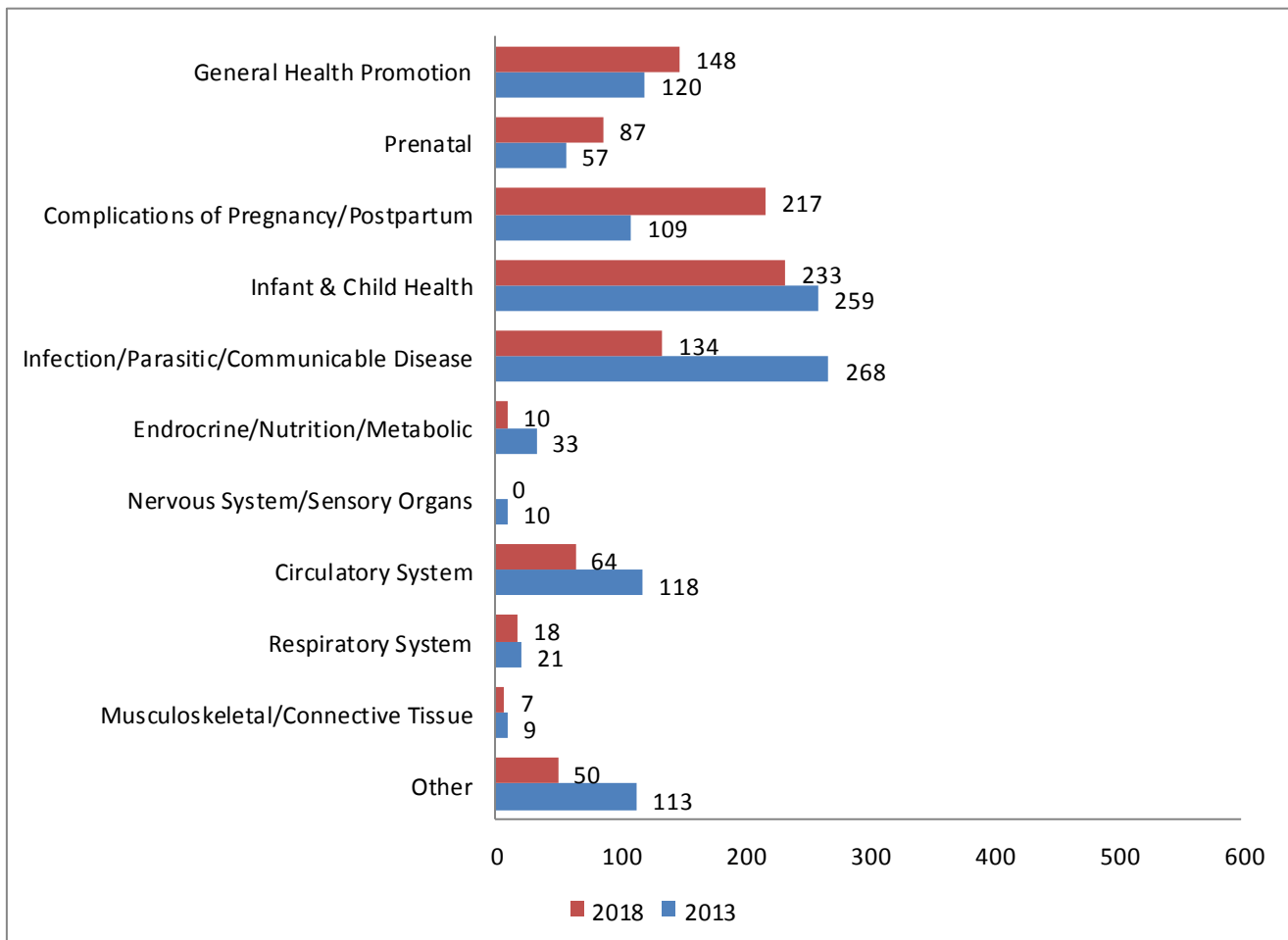
**Referrals:** Patient referrals come from a variety of sources including physicians, social services and home health care agencies. The following table shows types of referrals and referral rates per 1,000.

<b>Type of Referrals to Public Health Nurse</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Family	0	3	1	4	5	3
Maternal/Child (includes Birth Certificates)	966	904	925	894	861	926
Adult/Elderly	19	7	9	9	7	7
<b>Rate/1000</b>	<b>13.47</b>	<b>12.44</b>	<b>12.68</b>	<b>12.21</b>	<b>11.70</b>	<b>12.60</b>

## Primary Problem Categories

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

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

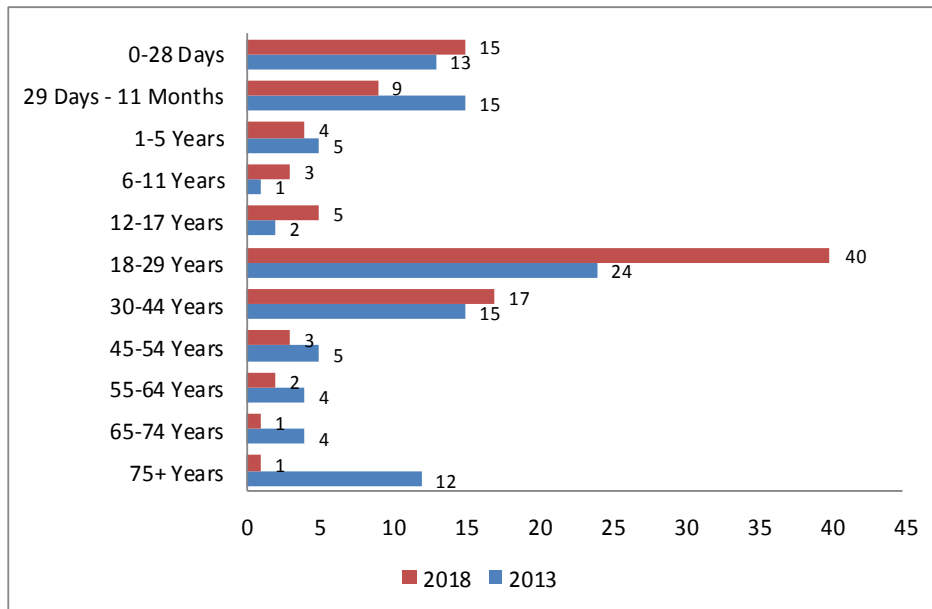


**Demographics:** Public Health Nursing services are targeted to individuals and groups at risk for disease or disability due to barriers such as low income, limited education and cultural/language differences; lifestyle factors such as smoking and poor nutritional practices, and medical factors such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



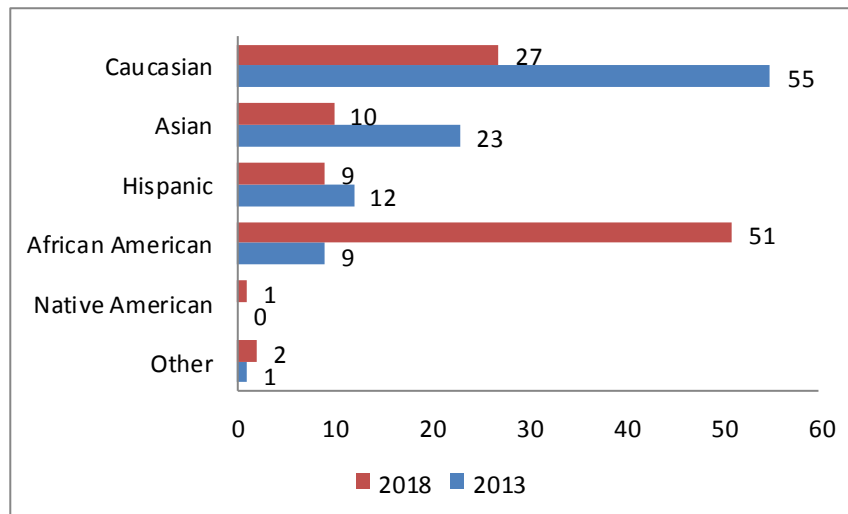
The following graphs describe the 2018 Public Health Nursing caseload by age and race/ethnicity.

### ***PUBLIC HEALTH NURSING CLIENTS BY AGE***



Percent Caseload

### ***PUBLIC HEALTH NURSING CLIENTS BY RACE***



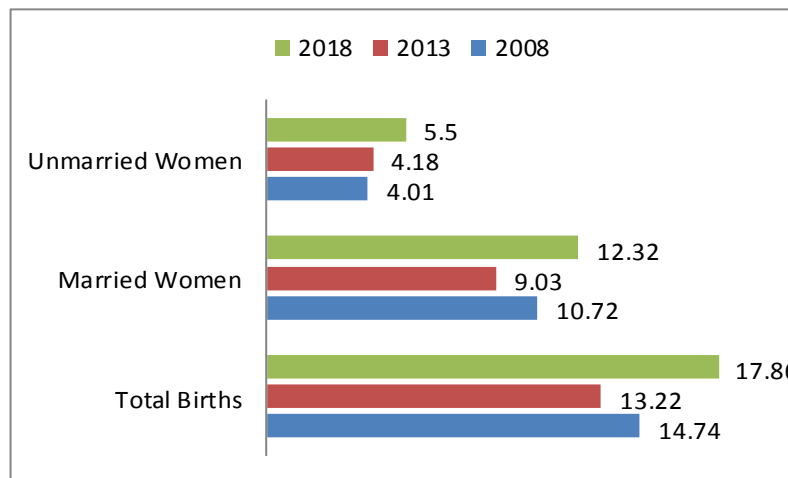
Percent Caseload

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 74,598 in 2017 to 74,734 in 2018. The crude birth rate per 1,000 population in 2017 for the State was 11.2; for the City of Appleton it was 17.86. The graph below shows crude birth rates based on marital status comparing 2018, 2013, and 2008.

**CRUDE BIRTH RATES BASED ON MARITAL STATUS**

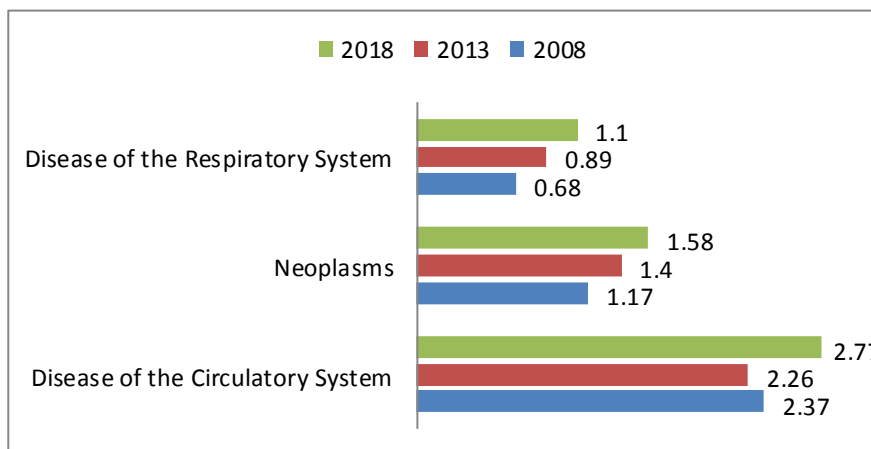
*(1000 x Number of Resident Live Births/Total Resident Population)*



\*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. Nicotine (tobacco and vape) use continues to be a major risk factor for the development of these diseases. See page 49 & 50 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 2017, there was a 2.4% 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 also perform the Fire and Police Departments scale tests.

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

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

ESTABLISHMENT TYPE	2016	2017	2018
Food and Convenience Stores	164	154	162
Restaurants	35	34	34
Bakery and Candy Stores	13	13	13
Dairy Plants and Stores	13	10	11
Drug Stores	19	24	22
Hardware Stores	25	25	26
Variety and Department Stores	100	91	95
Gas and Service Stations	36	31	33
Salvage Dealers and Recyclers	7	5	6
Pet Shops and Garden Centers	11	15	16
Industrial Manufacturing Plants	12	9	10
Concrete-Asphalt Plants and Road Materials	14	14	15
Transient Merchants (markets; product; seafood)	193	199	189
Package Shipping and Freight	12	10	10
Service Laundries and Dry Cleaners	1	1	1
Government Agencies	9	8	10
Solicitors and Door to Door Merchants	38	29	29
Close-out Business and Termination Sales	0	0	0
Second Hand Dealers	34	31	31
Laundromats, Car Washes, and other Timing Devices	4	7	6
Miscellaneous	35	32	38
Mobile Petroleum Dealers	30	27	26
<b>TOTAL</b>	<b>805</b>	<b>779</b>	<b>783</b>



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

<b>TYPE OF DEVICE (% OF NONCOMPLAINT)</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Scales and Balances	577 (4.5%)	603 (2.7%)	609 (0.5%)
Measures (Include gas pumps & fuel oil truck meters)	1,129 (2.8%)	1,122 (2.8%)	1,008 (3.5%)
Weights	58 (0%)	62 (0%)	14 (0%)
<b>Total</b>	<b>1,764</b>	<b>1,787</b>	<b>1,631</b>

**RESULTS OF PACKAGED COMMODITIES TESTED BY YEAR**

<b>PACKAGED COMMODITIES TESTED</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Total Units of Product Investigated	91,832	113,422	131,856
Random Sample Size	12,956	17,887	20,716
Total Products/Units Found Short Weight (% short)	4,038 (4.4%)	812 (0.7%)	1,267 (1.0%)
Total Products/Units Found Mislabeled (% mislabeled)	3,037 (3.7%)	1,548 (1.4%)	723 (0.5%)

## **PRICE SCANNING INSPECTIONS**

<b>PRICE SCANNING INSPECTIONS</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Number of Inspections	135	145	142	125	141
Number of Items Scanned	4,279	4,740	4,510	4,126	4,602
Pricing Errors Found	127 (3.0%)	133 (2.8%)	117 (2.6%)	99 (2.4%)	130 (2.8%)

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

<b>Type of Complaint</b>	<b>2016</b>		<b>2017</b>		<b>2018</b>	
	<b>Number Received</b>	<b>Number Violations</b>	<b>Number Received</b>	<b>Number Violations</b>	<b>Number Received</b>	<b>Number Violations</b>
Foods	1	0	1	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	0	1	1	0	0
Gas Stations-Pumps	8	1	8	1	13	3
Gas Stations-Service Console	3	0	2	0	1	0
Gas Stations-Price Signage	2	0	2	1	1	0
Gas Stations-Gasoline Quality	4	1	8	0	2	0
Scales-Scrape Metal	0	0	0	0	1	0
Scales-Food	1	0	0	0	0	0
Scales-Other	0	0	0	0	0	0
Scanning	10	2	6	0	13	2
Trade Practices	4	0	4	1	5	1
Advertising	3	1	3	1	3	1
Going out of Business	0	0	0	0	0	0
Temporary Sales	0	0	0	0	0	0
Miscellaneous	0	0	0	0	0	0
<b>Total</b>	<b>37</b>	<b>5</b>	<b>35</b>	<b>5</b>	<b>40</b>	<b>7</b>

## **ENVIRONMENTAL HEALTH PROGRAMS**

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

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

***Housing Sanitation***—Housing sanitation inspections are conducted on a complaint basis. Complaints of unsanitary conditions and concerns about mold in the home are received from citizens, police, fire, inspections division of Public Works and county Human Services. There were 86 housing sanitation contacts, including consultations, complaints and follow-up inspections conducted in 2018.

In addition to the contacts for housing sanitation, an additional 24 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 agencies are performed depending upon the nature of the concern.

<b>ENVIRONMENTAL CONSULTATIONS AND COMPLAINT INVESTIGATIONS</b>				
<b>Nature of Contact</b>	<b>Number of Consultations</b>		<b>Number of Complaints</b>	
	<b>2013</b>	<b>2018</b>	<b>2013</b>	<b>2018</b>
Community Water Supply	1	1	0	0
School/Day Care	8	1	0	0
Surface Water Pollution	1	2	0	0
Animal Nuisances	20	15	2	1
Rabies Control	27	23	0	0
Insect Control	31	25	13	6
Rodent Control	5	4	3	5
Hazardous Substance Control	19	10	3	1
Air Pollution - Indoor	42	13	29	2
Air Pollution - Outdoor	7	1	2	0
Noise	13	14	9	6
Radon	10	1	0	0
Garbage/Rubbish Nuisance	8	3	13	4
Private Residence/Housing	26	14	13	6
Lead	7	1	0	0
Mold	N/A	40	N/A	4
Other Programs	26	11	0	0
Other Business	43	29	1	0
<b>Total</b>	<b>294</b>	<b>208</b>	<b>88</b>	<b>35</b>

## **COMMUNITY INVOLVEMENT**

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

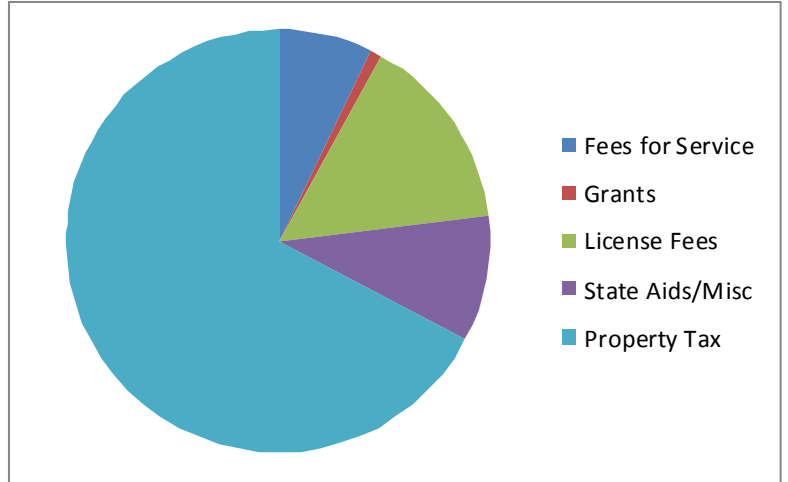
American Public Health Association	Northeast Region Prenatal Care Coordinators
Appleton Area Schools District Safety Committee	Northeast Region Sexually Transmitted Infections Work Group
Breastfeeding Alliance Northeast Wisconsin (BFANWI)	Northeast Wisconsin Immunization Coalition (NEWIC)
Cuidate Latino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



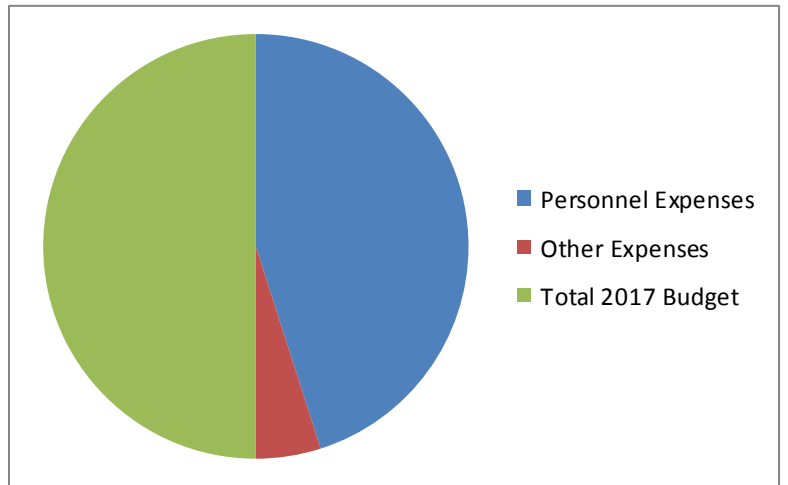
APPENDIX

**BUDGET INFORMATION**

2018 Actual Funding Source		
Fees for Service	\$92,104	7.1%
Grants	\$5,341	0.4%
License Fees	\$208,774	16.0%
State Aids/Misc	\$153,490	11.8%
Property Tax	\$844,992	64.8%



2018 Actual Expenses		
Personnel Expenses	\$1,178,311	90.3%
Other Expenses	\$126,389	9.7%
Total 2017 Budget	\$1,304,701	



## **COMMUNICABLE DISEASE DATA**

*(Rates per 1000 Resident Population)*

Gastroenteric Disease	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
Campylobacter*	10	.14	12	.16	21	.28
Cryptosporidiosis*	10	.14	12	.16	9	.12
Cyclosporiasis	N/A	N/A	N/A	N/A	6	.08
E. Coli	0	0	3	.04	58	.78
Giardiasis	7	.09	8	.11	5	.07
Hemolytic Uremic Syndrome	N/A	N/A	N/A	N/A	1	.01
Listeriosis	0	0	0	0	0	0
Salmonellosis	5	.07	5	.07	16	.21
Shigellosis	2	.03	0	0	3	.04
Yersinia	1	.01	0	0	1	.01

\*Became reportable to local health departments in 2000

Sexually Transmitted Disease	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
HIV*	0	0	2	.03	3	.04
Chlamydia*	189	2.61	277	3.79	346	4.63
Gonorrhea*	64	.89	30	.41	50	.67
Herpes**	5	.07	N/A	N/A	N/A	N/A
Syphilis	0	0	2	.03	6	.08
Partner Referral Program***	0	0	1	.01	1	.01
Other STD	0	0	0	0	0	0

\*Became reportable to local health departments in 1994

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

\*\*\*Program started in 1995

Miscellaneous Diseases	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
Acute Flaccid Myelitis	N/A	N/A	N/A	N/A	1	.01
Blastomycosis	0	0	0	0	0	0
Carbon Monoxide Poisoning	N/A	N/A	N/A	N/A	4	.05
Ehrlichiosis/Anaplasmosis	0	0	5	.07	2	.03
Haemophilus Influenza	0	0	1	.01	0	0
Hepatitis A	6	.08	0	0	0	0
Hepatitis B	0	0	3	.04	4	.05
Hepatitis C	10	.14	27	.37	47	.63
Histoplasmosis	0	0	0	0	1	.01
Hospitalized Influenza**	N/A	N/A	22	.30	59	.79
Lead Toxicity*	0	0	0	0	0	0
Legionellosis	0	0	1	.01	1	.01
Leprosy	0	0	0	0	0	0
Lyme Disease	14	.19	11	.15	15	.20
Malaria	0	0	0	0	0	0
Meningitis - Bacterial	1	.01	0	0	1	.01
N. Meningitidis, Invasive Disease	N/A	N/A	N/A	N/A	9	.12
Rheumatic Fever	0	0	0	0	0	0
Streptococcus Pneumoniae	7	.10	2	.03	4	.05
Invasive Group A Strep	0	0	3	.04	1	.01
Invasive Group B Strep	0	0	11	.15	8	.11
Invasive Strep, Other	N/A	N/A	N/A	N/A	9	.12
Toxic Shock Syndrome	0	0	0	0	0	0
Mycobacterium Tuberculosis	0	0	1	.01	0	0
Mycobacterium-Atypical	5	.07	15	.21	13	.17
TB-Latent Infection	N/A	N/A	N/A	N/A	23	.31
Typhoid	0	0	0	0	0	0
Novel H1N1	N/A	N/A	N/A	N/A	0	0
Dengue Fever	N/A	N/A	N/A	N/A	0	0
Kawasaki	N/A	N/A	N/A	N/A	2	.03

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

Vaccine Preventable Disease	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
Chickenpox (Varicella)*	11	.15	12	.16	9	.12
Measles	0	0	0	0	0	0
Pertussis	18	.25	22	.30	8	.11
Mumps	0	0	0	0	0	0

## **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 2018. The total cost of these analyses would be \$4,645 if they were not fee free.

TYPE OF ANALYSIS	NUMBER OF SAMPLES
Mycobacteriology	17
Salmonella	0
VDRL	6
Rabies	9
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	10
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	1
Respiratory virus PCR	0
Clostridium Perfringens Stool	0
Campylobacter	0

## **PUBLIC HEALTH NURSING CASELOAD**

<b>CLIENTS ADMITTED BY PRIMARY PROBLEM</b>	<b>2008</b>	<b>2013</b>	<b>2018</b>
General Health Promotion	11	19	82
Prenatal	30	12	26
Complications of Pregnancy/Postpartum	51	26	35
Infant/Child Health	124	51	52
Infection/Parasitic/Communicable Disease	31	16	11
Endocrine/Nutrition/Metabolic	8	4	0
Nervous System/Sensory Organs	0	1	0
Circulatory System	25	10	4
Respiratory System	5	4	2
Musculoskeletal/Connective Tissue	7	3	0
Other	61	11	1
<b>Total</b>	<b>383</b>	<b>157</b>	<b>211</b>
<b>CLIENT HOME VISITS</b>	<b>2008</b>	<b>2013</b>	<b>2018</b>
Telephone/Home Visits	2021	1118	1046
<b>CLIENTS ADMITTED BY AGE</b>	<b>2008</b>	<b>2013</b>	<b>2018</b>
0-28 Days	50	20	33
29 Days - 11 Months	53	23	21
1-5 Years	57	8	9
6-11 Years	0	2	7
12-17 Years	33	3	11
18-29 Years	92	38	83
30-44 Years	32	23	34
45-54 Years	14	8	7
55-64 Years	10	7	4
65-74 Years	15	7	1
75+ Years	27	18	1
<b>Total</b>	<b>383</b>	<b>157</b>	<b>211</b>
<b>CLIENTS ADMITTED BY RACE</b>	<b>2008</b>	<b>2013</b>	<b>2018</b>
Caucasian	200	87	57
African American	14	14	108
Native American	10	0	2
Hispanic	70	19	19
Asian	87	36	21
Other	2	1	4
<b>Total</b>	<b>383</b>	<b>157</b>	<b>211</b>
<b>CLIENTS ADMITTED BY GENDER</b>	<b>2008</b>	<b>2013</b>	<b>2018</b>
Male	122	44	80
Female	261	113	131

## VITAL BIRTH STATISTICS

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

APPLETON POPULATION			STATE CRUDE BIRTH RATE
2008	2013	2018	2017
72,158	72,810	74,734	11.2

Birth Data	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
Total Birth Rate	1,065	14.74	967	13.22	1,335	17.86
Births to Married Woman	775	10.72	661	9.03	921	12.32
Births to Unmarried Woman	290	4.01	306	4.18	411	5.50
Total Births to Woman <18 Yrs	27	.37	13	.18	*	
Unmarried <18 Yrs	21	.29	11	.15	*	
Unmarried 18-29 Yrs	219	3.03	226	3.09	*	
Unmarried 30-40 Yrs	46	.64	63	.86	*	
Unmarried >40 Yrs	4	.06	6	.08	*	

\*State no longer provides this data

Age of Mother	Birth Count	Percent
15-17 years	8	0.60
18-19 years	29	2.17
20-24 years	191	14.31
25-29 years	431	32.28
30-34 years	466	34.91
35-39 years	180	13.48
40-44 years	29	2.17
45+ years	1	0.07
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>

Race/Ethnicity of Mother	Birth Count	Percent
White (Non-Hispanic)	978	73.26
Black (Non-Hispanic)	54	4.04
American Indian (Non-Hispanic)	10	0.75
Hispanic	111	8.31
Laotian/Hmong (Non-Hispanic)	111	8.31
Other (Non-Hispanic)	45	3.37
Non-Hispanic, Multi-Race	24	1.80
Missing/Unknown	2	0.15
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>



## **VITAL BIRTH STATISTICS**

<b>Education of Mother</b>	<b>Birth Count</b>	<b>Percent</b>
8th Grade or less	20	1.50
Some High School	67	5.02
High School Graduate/GED	308	23.07
Some College	361	27.04
Bachelor's Degree	416	31.16
Masters/Professional	158	11.84
Missing/Unknown	5	0.37
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>

<b>Birth Weight</b>	<b>Birth Count</b>	<b>Percent</b>
< 1,000 grams	10	0.75
1,000-1,499 grams	12	0.90
1,500-2,499 grams	69	5.17
2,500-3,999 grams	1,091	81.72
4,000 + grams	149	11.16
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>

<b>Low Birth Weight</b>	<b>Birth Count</b>	<b>Percent</b>
< 2,500 grams	91	6.82
2,500 + grams	1,240	92.88
Unknown	4	0.03
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>

\*Provisional data from WI Vital Records Office Aggregate Birth Report 2018

## VITAL BIRTH STATISTICS

Mother Smoked During Pregnancy	Birth Count	Percent
No	1,222	91.54
Yes	109	8.16
Missing/Unknown	4	0.30
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>

Mother Smoked During Pregnancy	No		Yes		Missing/Unknown		Total	
	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent	Birth Count	Percent
< 1,000 grams	9	0.67	1	0.07	0	0	10	0.75
1,000-1,499 grams	11	0.82	1	0.07	0	0	12	0.90
1,500-2,499 grams	57	4.27	12	0.90	0	0	69	5.17
2,500-3,999 grams	1,003	75.13	86	6.44	2	0.15	1,091	81.72
4,000 + grams	138	10.34	9	0.67	2	0.15	149	11.16
Unknown	4	0.30	0	0	0	0	4	0.30
<b>Total</b>	<b>1,222</b>	<b>100.00%</b>	<b>109</b>	<b>100.00%</b>	<b>4</b>	<b>100.00%</b>	<b>1,335</b>	<b>100.00%</b>

Prematurity	Birth Count	Percent
Full Term (37+ weeks)	1,203	90.11
Premature (<37 weeks)	130	9.74
Unknown	2	0.15
<b>Total</b>	<b>1,335</b>	<b>100.00%</b>

\*Provisional data from WI Vital Records Office Aggregate Birth Report 2018

## **DEATH DATA**

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

Crude Death Rate for State 2016 = 8.98

Age	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year	8	.11	5	.07	4	.05
1 Year to 10 Years	0	0	0	0	0	0
11 Years to 20 Years	3	.04	0	0	1	.01
21 Years to 30 Years	1	.01	4	.05	6	.08
31 Years to 40 Years	4	.06	11	.15	11	.15
41 Years to 50 Years	15	.21	17	.23	17	.23
51 Years to 60 Years	30	.41	51	.70	50	.67
61 Years to 70 Years	49	.68	75	1.03	96	1.28
71 Years to 80 Years	93	1.29	78	1.07	131	1.75
81 Years to 90 Years	151	2.09	164	2.24	193	2.58
91 Years to 100 Years	68	.94	78	1.07	104	1.39
Over 100 Years	7	.10	4	.05	4	.05
<b>Total</b>	<b>429</b>	<b>100</b>	<b>487</b>	<b>100</b>	<b>621</b>	<b>100</b>

## **DEATH DATA**

Causes of Death	2008		2013		2018	
	Number	Rate	Number	Rate	Number	Rate
Accidental Death	11	.15	14	.19	24	.32
Congenital Anomalies	1	.01	0	0	0	0
Complications of Pregnancy	0	0	1	.01	3	.04
Condition Originating in Perinatal Period	0	0	2	.03	0	0
Disease of Blood/Blood Forming Organs	0	0	1	.01	0	0
Disease of Circulatory System	171	2.37	165	2.26	207	2.77
Disease of the Digestive System	8	.11	17	.23	23	.31
Disease of Genitourinary System	20	.28	16	.22	26	.35
Disease of Musculoskeletal System/Connective Tissue	0	0	1	.01	1	.01
Disease of Nervous System	11	.15	21	.29	41	.55
Disease of Respiratory System	49	.68	65	.89	82	1.10
Endocrine, Nutritional and Metabolic Disease	5	.07	8	.11	4	.05
Homicides	0	0	0	0	2	.03
Infectious and Parasitic Disease	11	.15	16	.22	11	.15
Mental Disorder	0	0	4	.05	1	.01
Neoplasm	84	1.17	102	1.40	118	1.58
Suicide	4	.06	10	.14	13	.17
Symptoms, Signs and Ill-Defined Conditions	54	.75	44	.60	62	.83
<b>Total</b>	<b>429</b>	<b>100</b>	<b>487</b>	<b>100</b>	<b>621</b>	<b>100</b>