

CITY OF APPLETON
HEALTH DEPARTMENT



2009 ANNUAL REPORT



MESSAGE FROM THE DIRECTOR

The 2009 Annual Report of the Appleton Health Department provides a snapshot of the many ways in which our Department touches the lives of City residents each and every day.

Although public health programs and activities may not often be visible, public health staff can frequently be found working behind the scenes on our mission to protect, promote, and maintain the health of our entire population.

In this report you will learn about how we prevent disease through our immunization clinics and communicable disease case follow-up. For example, early this year we were challenged with a cluster of Meningococcal disease cases in high school aged residents. Then in April we experienced our first influenza pandemic in decades. Thousands of residents fell ill, dozens were hospitalized, and unfortunately we experienced one death.

You will also learn of the many collaborations and partnerships we have forged to accomplish our work. This report includes outcome data from our Public Health Nursing, Environmental Health, Weights and Measures and Public Health Preparedness staff.

In summary, we cannot do it alone. We continue to develop and engage community partners to provide a healthy and safe place to live. Providing the essential services of Public Health requires community partnerships. Working together to create a healthier Appleton is one of the most cost-effective investments we can make in our community.

Respectfully yours,

Kurt Eggebrecht
Health Officer
City of Appleton



Index

PRELIMINARIES

Mission and Belief Statements	i
Table of Organization.....	ii
Roster	iii
Board of Health	iv

THE DEPARTMENT

Highlights of 2009.....	1
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PREVENTING DISEASE

Communicable Disease Program	17
Clinical Disease Services	17
Communicable Disease Investigation, Prevention and Control	18
Wisconsin Partner Counseling & Referral Services (PCRS)	18
Sexually Transmitted Disease Contracted Services	19
Foodborne Outbreak Illness Investigation	19
State Laboratory of Hygiene Testing Services.....	19
Occupational Health.....	19
Environmental Control	19
Regulatory Descriptions and Statistics.....	20

PROMOTING HEALTH

Maternal/Child Health (MCH)	22
Sudden Infant Death Syndrome (SIDS) Program	22
Childhood Lead Poisoning Prevention Program.....	22
High Risk Adult Health Program.....	24
Public Health Nursing Caseload Data	24

PROTECTING THE CONSUMER

Weights and Measures Program.....	28
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PROTECTING THE ENVIRONMENT

Environmental Health Programs.....	32
Community Involvement	34

APPENDICES

Budget Information.....	APPENDIX I
Communicable Disease Data.....	APPENDIX II
State Laboratory of Hygiene Fee-Free Testing	APPENDIX III
Public Health Nursing Caseload	APPENDIX IV
Vital Birth Statistics	APPENDIX V
Vital Death Statistics	APPENDIX VI

Note: This document not only represents the activities of the Appleton Health Department for 2009, but also provides trend data comparisons for selected activities. The data for 2009 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

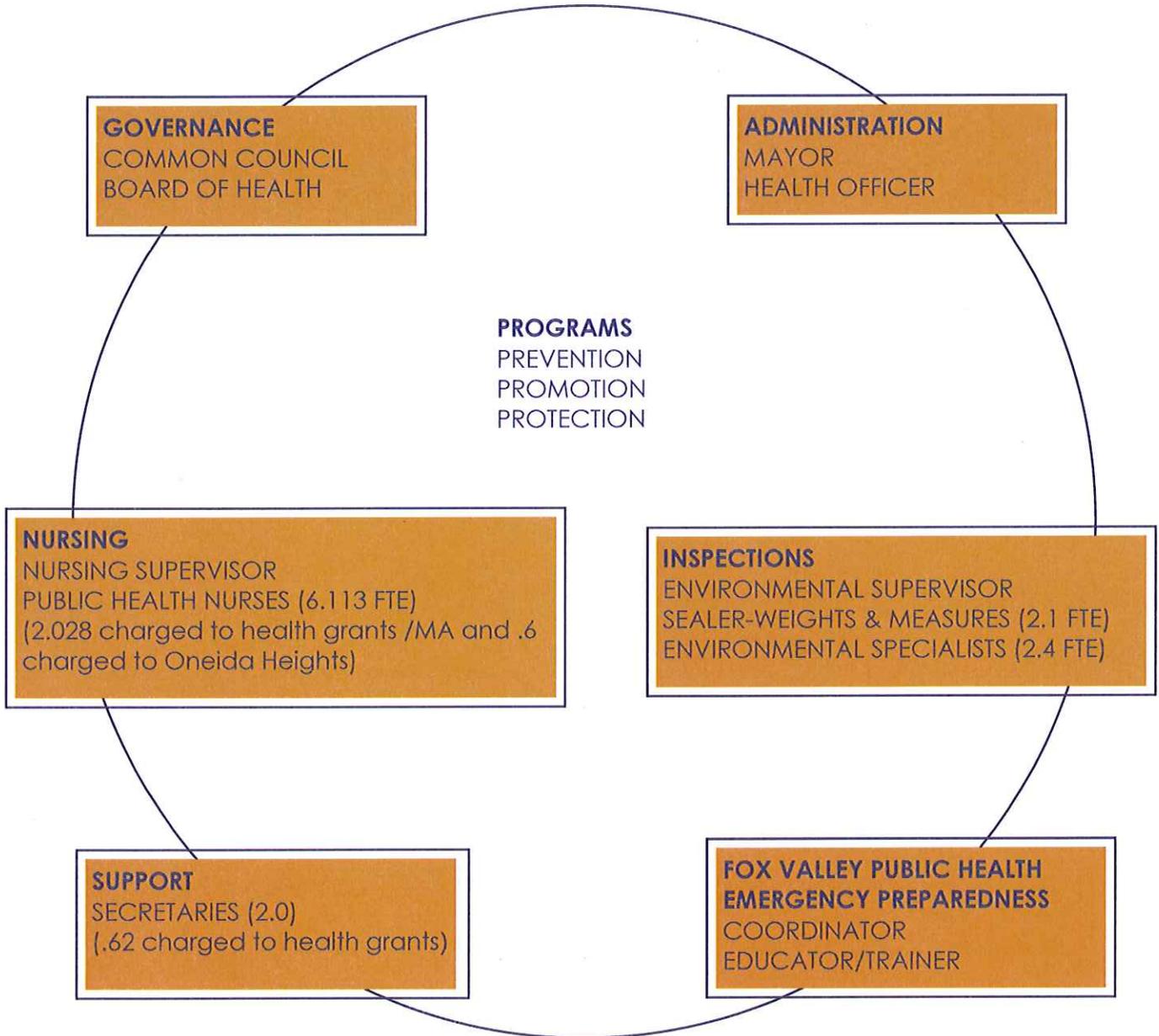
MISSION AND BELIEF STATEMENTS

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., Chair	Alderman Cathy Spears
Sally Mielke, R.N.	Daniel Densow
Mayor Timothy Hanna	Vacant
Lee Marie Vogel, M.D., Medical Advisor	

PERSONNEL

Administration

Kurt Eggebrecht, M.Ed., 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
Stan Bieda, R.S., Part-time Environmentalist II

Public Health Nurses

Kathy Stromberg, R.N.C., Nursing Supervisor
Ann Steele, R.N., PHN
Susan Larson, R.N., Part-time PHN
Becky Goss Lindberg, R.N., Part-time PHN
Tina Pelishek R.N., Part-time PHN
Tricia Promer, R.N., Part-time PHN
Tricia Schuldes, R.N., Part-time PHN
Kathleen Sprangers, R.N., Part-time PHN
Jean Sternig, R.N., Part-time PHN
Pam Wampole R.N., Part-time PHN

Fox Valley Public Health Emergency Preparedness

Lauren Jones, Public Health Preparedness Educator/Trainer
Jon Lee, Public Health Preparedness Coordinator

Support Staff

Linda DeWitt, Secretary IV
Rhonda Bartel, Part-time Secretary IV
Pam Griesbach, Part-time Secretary IV

City of Appleton Board of Health



Douglas Nelson, D.D.S.
Chairperson



Daniel Densow
Vice-Chair



Lee Marie Vogel, M.D.
Medical Advisor



Timothy Hanna
Mayor



Cathy Spears
Aldersperson



Sally Mielke

The Department

HIGHLIGHTS OF 2009

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

Throughout 2009 several consumer complaints were received. APX alarm systems, a commercial solicitor, was found guilty of high pressure sales tactics. A meeting was set up with the solicitor, Appleton Police Department, and City Sealer, Eric Maggio. Research found there have been twenty-seven complaints received by the Wisconsin Department of Agriculture and Consumer Protection against the same company this year. As a result, their license was suspended in May and later revoked at the June meeting of Safety and Licensing.

Separately, inspections were conducted in February of this year at Express, a local convenience store, and revealed one overcharge error in a twenty-five item sample. The 4% overall error rate found in the inspection was a major violation, which showed the store was not responding to the previous inspection failures and warning letter. A citation was issued and the store was re-inspected in March. The March re-inspection revealed two overcharge errors in a twenty-five item sample. Another citation was issued along with a re-inspection fee and a meeting with upper level management within the convenience store. A re-inspection conducted in April resulted in compliance.

Three consumer complaints were received in September against Premier Chemical, a commercial solicitor. The solicitor was issued a warning and was ultimately fined for high pressure sales tactics and operating after their license had expired.

City Sealer, Eric Maggio, and Weights and Measures Specialist, Keith Verhagen, inspected firewood bundles at local gas stations and found a majority of them to be short weight. Two local firewood dealers were issued warnings and their bundles were ordered stop sale until the violations were corrected. The firewood dealers have since corrected the error and the consumer can be assured they are buying what they pay for.

The Weights and Measures program currently inspects five separate Farm Markets, representing a significant increase from 2008. Weights and Measures staff have tested all of the scales used by the vendors. In addition, random scale testing continues along with inspections of proper labeling and short weight investigations. Staff once again met with vendors prior to the season to better gain compliance.

Of the sixty vendors inspected at the Appleton Downtown Farm Market, only two had violations for labeling. Labeling encompasses having a declaration of net quantity (weight or count), declaration of responsibility (name and address of vendor) and declaration of product identity (name of ingredients).

This year, eighteen dwellings were placarded by the Health Department as unfit for habitation with clean-up orders issued at the properties. All but four properties were cleaned and the placards were removed.

"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."

On March 4, 2009, the first in a cluster of three N. Meningitis cases was reported to the Appleton Health Department. By late evening, a second case was reported and on March 5, a third suspect case was reported. On March 6, the suspected cluster was lab confirmed. Appleton Health staff worked closely with the Wisconsin Division of Health Services Epidemiology section, Wisconsin State Lab of Hygiene, Children's Hospital of Wisconsin in Milwaukee, Appleton Area School District Administration, Appleton North High School staff, local primary care providers and parents. Numerous interviews and contacts identified a probable common source and close contacts who needed preventive treatment with antibiotics. Important information was communicated to parents and the public through updates on the Appleton North High School website and e-mails to primary care providers. Meningococcal diseases often lead to adverse outcomes including death. Fortunately, in each of these cases the outcome was positive.

This year, four outbreaks of Gastroenteritis in Long Term Care Facilities were reported to the Appleton Health Department. Norovirus was identified as the cause in two of the four outbreaks, while the other two were from an unidentified source. Nursing staff provided consultation by phone and in person, facilitated sending stool specimens to the State Lab of Hygiene for testing, and sent report data to the Wisconsin Department of Health Services.

A re-emergence of bed bugs has been recently recognized nation-wide. In March, Environmentalist Stan Bieda received a complaint of bed bugs from a tenant of an apartment building. Stan worked with the apartment manager to have the premises treated to eliminate the infestation. This was the second bed bug complaint in Appleton in the last four months (two apartments infested in December 2008) and the third in the last five years.



In March, the Appleton Fire Department contacted the Health Department for assistance in response to a gasoline spill near a home. The gas penetrated the soil and infiltrated the sump pump causing gas fumes throughout the dwelling. Environmental Supervisor Tim Mirkes then worked with the homeowner, the Fire Department, and a

Department of Health Services toxicologist to eliminate the health hazard of prolonged exposure to the fumes in the home.

Public Health nursing staff provided TB Skin testing for the Emergency Shelter and Salvation Army staff and volunteers. This testing is done annually as a surveillance activity to identify possible spread of disease in the community. Thirty-seven individuals were tested; no positives were identified.

On May 6, Fire and Health departments responded to the Harbor House due to a strong chemical odor following the cleanup of a sewer backup into the lower level of the facility. The cleaning company had used a phenol based sanitizing agent that resulted in excessive gassing off (reasons unknown) which caused eye and throat irritations for the staff and residents. The Fire Department installed fans to help ventilate the building. Residents were removed from the building and their symptoms subsided. Environmental Supervisor Tim Mirkes and Nursing Supervisor Kathy Stromberg, met with residents off-site to discuss what had happened, symptoms and also to ease fears. Health Officer Kurt Eggebrecht worked with staff from the State Division of Health and HAZMAT to identify potential sources.

In 2009, eight bats, one cat and one dog were shipped for rabies testing following contact or possible contact with humans. The Health Department recommended two victims of bat contact, to discuss with their physicians, undergoing rabies prophylaxis since the bats were not testable at the State Lab.

On August 5, 2009, the Appleton Health Department hosted an HIV/AIDS meeting to discuss a local cluster of cases. Kurt Eggebrecht, Ann Steele and Kathy Stromberg met with representatives from the Wisconsin Division of Public Health HIV/AIDS section, Aids Resource Center of Wisconsin (ARCW) and local health departments to set up a plan which included an in-depth risk factor survey and strategies for outreach and prevention. This meeting resulted in stepped up education and screening. The use of social networking and other outreach efforts have resulted in no additional cases being reported from this initial cluster.



The Walk to Win Program, now in its seventh year, was developed to increase the number of people who engage in moderate daily physical activity and to provide the tools for community members to start a lifelong healthy habit. This year's program started on August 27, 2009 with a kick-off celebration at Shattuck Park in Neenah. Walkers who attended the kick-off could also register for the program and pick up their incentive prize for participating. The goal of the Walk to Win Program is to encourage participants to engage in at least thirty minutes of physical activity five times per week.

Each year in August, the Octoberfest organizers provide training to the participants to inform them of safety and health requirements for the event. Health Department staff provides training on food service and Weights and Measures requirements. The Police and Fire departments, as well as the Chamber of Commerce personnel, relay other important information to the vendors during these training meetings to keep the event safe. This year, there were two hundred people present at the training meetings. One organization failed to participate in a training meeting resulting in nonparticipation by that organization in Octoberfest.

This year, there were ninety-nine food stand inspections and six re-inspections conducted by the Health Department during License to Cruise and Octoberfest. Of the ninety-nine stands that were inspected, seventy-six food stands had no violations at the time of the inspection (77%). There were a total of twenty-three violations recorded at twenty food stands during Octoberfest and three violations found at three food stands at License to Cruise. In addition to the Health inspections at Octoberfest, Weights and Measures inspections are conducted. This year, there were thirty-three arts and craft booths that were reviewed for Weights and Measures compliance of product labeling and trade practice regulations. There were two violations found.

Michelle Roberts and Steve Kihl conducted thirteen food stand inspections at the annual Art in the Park event. No major issues were found during the inspections.



As part of our Agent agreement with the Department of Agriculture, Trade, and Consumer Protection, the Environmental section is periodically asked to collect local food and surface swab samples from licensed establishments for routine testing at the State Lab. This year we collected two sushi rice samples, which were tested to ensure that the pH was below 4.6. Both tested at pH3.9. three retail food stores each had ten surface swab samples collected looking for the presence of Listeria. All thirty swabs were negative for Listeria.

One of the core functions of public health is to monitor the health status to identify community health problems. This year, we were challenged with a new novel virus, which became known as H1N1. This influenza virus was first diagnosed in America (Texas and California) on April 23. It quickly traveled to Wisconsin with the first reported

case May 2. Appleton recorded it's first confirmed case on May 14. Due to this novel strain of influenza traveling across the globe, the World Health Organization and the Centers for Disease Control declared a pandemic June 11, 2009. The Governor and President had declared a Public Health Emergency.

Early in the pandemic, the Department stepped up targeted communication with health care providers, school district personnel, large employers, faith-based communities, Lawrence University, non-profit groups and City departments. In addition, we worked with a variety of media sources (print, TV and radio), the City website, as well as non-English speaking media outlets to provide accurate, timely information to the community at large.



Working with key stakeholders from the public and private schools, law enforcement, traffic engineering, health care, and many other partners, we developed plans for providing school based H1N1 vaccination clinics.

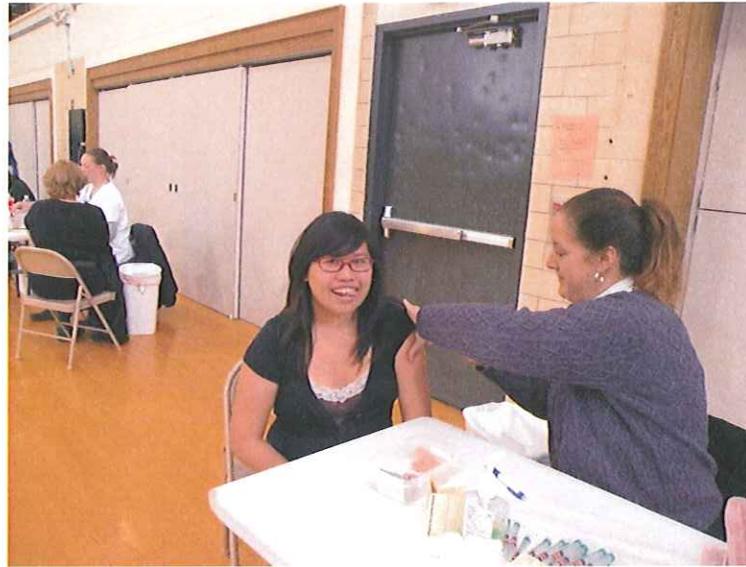
We also stepped up our efforts to assist numerous government, private and non-profit entities to develop a Continuity of Operations Plan (COOP) to prepare for periods of increased absenteeism due to the pandemic. We placed special emphasis on non-profits that directly or indirectly house and support special need populations such as the Emergency Shelter of the Fox Valley, Harbor House, Salvation Army, COTS, Housing Partnership, LEAVEN, Oneida Heights, Appleton Retirement, and United Way of the Fox Cities, to name a few. We also completed discussions with Lawrence University regarding their planning efforts.

Throughout the pandemic, we continued to follow-up on confirmed cases of H1N1 targeting the individuals who were hospitalized, with all confirmed cases being entered into the new electronic data base called WEDSS communicable disease reporting system.

One of the strong partnerships we relied on was the educational systems in Appleton including the Appleton Area School District (AASD), Appleton Catholic Education System, the Fox Valley Lutheran schools and Lawrence University. The K-12 schools in particular were helpful in disseminating parental consent forms to all students. Many schools opened their facilities to the Department to allow on-site vaccinations. More than 8,000 students returned consent forms, which were then reviewed by Department public health nurses in advance of the school based clinics. The school administrators were extremely supportive and provided hands on assistance and promotion of those school based clinics. In addition, the AASD nurses provided assistance at each of the public school clinics.

Another important partnership that was critical to our response was our health care partners. In addition to frequent communication and sharing of information, we joined together to provide staffing at the clinics. Affinity, ThedaCare, UW Family Medicine, and Valley Nurses Association all assisted with staffing. Our community's response was unique in this joining of resources for the greater good of the community.

A third partnership worth noting is our public health emergency volunteers at Thrivent Financial for Lutherans, which provided staff to assist at each of our community based clinics. These employees played an important non-medical role.



Department staff provided numerous outreach and education sessions in a variety of settings including schools, library, churches and over the phone. In addition, the media played an important role in educating the public. Every TV and radio station and local newspaper covered the pandemic's progress and our community's response. This was extremely helpful in getting out accurate information, dispelling myths, and promoting H1N1 clinics to the public.

Internally, the department relied on support from almost every City Department. Fire Department EMT staff were present at each clinic. The Police Department provided

planning and clinic security support. The Department of Public Works assisted with traffic flow considerations. Technology Services provided GIS support for clinic mapping. The Clerk's Office provided support of printing and collating more than fifty thousand consent and information sheets used at the clinics. The Human Resources Department assisted with a modified sick leave policy. The Finance Department provided grant funding support and accountability. In addition, many departments provided administrative support for data-entry of H1N1 immunization records into the Wisconsin Immunization Registry.

Although the pandemic is not over and clinics continue, along with advance planning for a potential third wave, we have delivered more than eight thousand doses of vaccine in 2009, with additional clinics scheduled in 2010.

In addition, we have managed and maintained the integrity of vaccine which comes in different forms from several manufacturers. Health Department staff worked as a team to continuously improve our planning and response to this H1N1 pandemic.

Earlier this year, Facility Management staff assisted the Health Department with renovation of the office space located on the fifth floor. This redesign has allowed us to become HIPAA compliant. The expansion of space has also allowed for all department staff to be located within the same work space leading to greater efficiency. On April 9, we celebrated National Public Health Week by hosting an open house, which was well received.

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

Health Department staff have provided a variety of health and consumer related presentations and trainings this past year including the following:

On January 8, Nursing Supervisor Kathy Stromberg provided Appleton YMCA child care providers with communicable disease information. The focus of the presentation was on Methicillin Resistant *Staphylococcus Aureus*, (MRSA) but included discussions on exclusion from child care and issues of interest to the staff.

January 29, Nursing Supervisor, Kathy Stromberg, RN, BC, was a panel participant at the Children's Health Alliance Child Death Team training held in Kimberly. Members of the Outagamie Death Review Team shared their experiences in the development of the team, implementation of the review process, and identification of needed prevention education.

Health Officer Kurt Eggebrecht and Nursing Supervisor Kathy Stromberg were invited to speak with members of ESTHER. ESTHER is an interfaith, congregation-based justice organization group in the Fox Valley. This core team works to identify root causes of poverty and injustice. Eggebrecht spoke with the group February 10 on the topic of Pandemic Preparedness while Stromberg spoke March 2 on access to health care issues.

February 11, Health Officer Kurt Eggebrecht spoke with a group of fifty peer educators regarding Tobacco Control and Prevention. These tobacco control educators provide information and support to high school and middle school students. They work to prevent initial use of tobacco products and provide support during nicotine withdrawal while students attempt cessation.

Public health nurses Ann Steele and Jean Sternig met with the staff of the Outagamie County Aging and Disability Resource Center on February 26. They shared information on the services the Appleton Health Department can provide their clients.

Public Health Nurse Tricia Promer participated in the AASD Preschool Screening Fair at Jefferson Elementary School on March 7. Tricia set up the Department display board and provided information on Department services, immunization and health related topics.

April 16, Ann Steele, RN, assisted Shelly Johnson from Housing Partnership to give a presentation on Drug Endangered Child teams to the Outagamie County AODA staff, and on October 6, to an Obstetrics group.

April 24, Kathy Stromberg, RN, BC and Kathryn Hanson, RN, UW Oshkosh BSN Completion Student, did a lunch and Learn Tuberculosis (TB) training for the ThedaCare Midway Clinic staff.

May 6, Kathy Stromberg, RN, BC taught the TB course for approximately seventy-four UW Oshkosh nursing students.

Environmentalist Michelle Roberts provided food safety training to forty participants in preparation for the annual Xavier Food Fair. Providing food safety education to individuals who do not normally cook for large gatherings helps to reduce mistakes that could cause a foodborne outbreak.

May 21, Tina Pelishek, RN, provided training on Communicable Diseases in the Child Care for Celebration Children's Center for thirteen staff.

June 2, and again on August 24, Public Health Nurse Kathleen Sprangers, presented information on Immunization and Lead Poisoning Prevention to the Appleton Medical Center Mom & Me group and on July 27, Trish Schuldes, RN, presented information on Home Safety to couples attending this same group.

June 8, Kathy Stromberg, RN, BC provided training on MRSA, Influenza, and Communicable Disease for twenty YMCA Drop-in Child Care staff.

Kathy Stromberg, RN, BC met with the UW Family Health residents to discuss Public Health and Tuberculosis on August 18.

Tricia Promer, RN, met with the staff of the St. Elizabeth Hospital OB/GYN unit on August 25 to discuss public health nursing services, using a power point presentation "Now That You're Sending Them Home." This was repeated on August 26 for the NICU staff.

Parents adopting children from foreign countries were provided information on communicable disease issues related to foreign adoption on September 16 by Nursing Supervisor Kathy Stromberg.

Tricia Promer, RN, presented at the East High School Career's class regarding the Public Health Nursing occupation on October 8.

On October 19, Trish Schuldes, RN, presented at West High School Occupation's class on the Public Health Nursing occupation.

Health Officer Kurt Eggebrecht has provided many H1N1 presentations this year including:

May 1 to the Fox Cities Kiwanis and May 14 to the Common Ground Faith Organization. St. Elizabeth Hospital on July 23; for a group of spiritual care ministers. First Methodist Church, September 10, for community members and church officials. The Appleton Area School District parents meeting held at Einstein Middle School September 24, Hanson Benefits, Inc. client meeting September 29, and the Post Crescent Editorial Board special live stream video September 30.

The Department continues to provide a monthly talk/call-in show on the Hmong Wisconsin Radio. This year Health Officer Kurt Eggebrecht met with the owner of the radio station, Kor Xiong, and Seethong Yang, owner of Poohsaan Restaurant. As a way to advertise the Health Department programs, the Department designed and had printed dining placemats which are now used at the restaurant. One side is printed in Hmong and the other side English.



**Hmong Wisconsin
Radio
The Radio Broadcast in Hmong 24/7**

This year several staff were involved with the monthly talk shows including:

Public Health Nurse Ann Steele spoke on the topic of lead safety and Nursing Supervisor Kathy Stromberg spoke on the new H1N1 pandemic. Trish Schuldes, RN discussed home safety; Kathleen Sprangers, RN presented information on child and adult immunizations; Steve Kihl, R.S. gave a presentation on food safety; Tina Pelishek, RN, discussed diabetes; Lauren Jones spoke on pandemic H1N1 and what your family needs to know and Kurt Eggebrecht spoke on the health consequences of breathing second hand tobacco smoke.

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

In March, the Department began preparing for the move to electronic reporting of communicable disease cases using the Wisconsin Electronic Data Surveillance System (WEDSS). This is a secure, web-based system designed to facilitate reporting, investiga-

tion and surveillance of communicable disease in Wisconsin. Proposed benefits of the system include: more timely reporting, improved security, information sharing, easier access to disease specific forms and standardization.

April 1, the Appleton Health Department officially went "live" in WEDSS for documentation of all reportable communicable diseases. Nursing and Secretarial staff continue to learn the features and processes involved in the use of WEDSS. This new system allows better and faster reporting between physicians, labs and public health entities.

Environmental Supervisor Tim Mirkes conducted a courtesy inspection of the Salvation Army food service kitchen at the request of the food manager. A few items were noted in need of correction but overall, they are doing a very good job regarding food safety and sanitation. Also, recommendations were made for if or when the kitchen undergoes renovation. Although the Salvation Army is exempt from licensing, as they serve food solely to needy persons, it is still important to assure safe meal delivery.

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

August 12, Police Captain Julie Bahr and Health Officer Kurt Eggebrecht met with representatives of drug enforcement and Outagamie County landfill to discuss the creation of a permanent prescription drug drop off box to be built within the new Police Station. This project will lead to a reduction in unused medications being placed in either landfills and/or flushed down the septic systems.

In November, the Department partnered up with the State Department of Health Services and the La Crosse Health Department to write a grant called "Communities Putting Prevention to Work." This funding from CDC would provide significant resources to prevent initiation and tobacco use in our community.



This year the department collaborated with the Appleton Area School District to provide seasonal influenza vaccine to employees, spouses and children over age nine. Elected officials and school district retirees were also eligible to receive the vaccine. Four clinic opportunities were held and more than one thousand four-hundred doses were administered.

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

Health Officer Kurt Eggebrecht was invited to join the Board of Directors of Reach Counseling Services. Operating for over thirty years in the Fox Cities, Reach Counseling is a not for profit professional counseling agency focused on ending sexual abuse and promoting healing in our community.

January 8, Health Officer Kurt Eggebrecht, presented to the Outagamie County Amateur Radio Emergency Services (ARES) volunteers at Fire Station 6. The topic was redundant communication systems during a public health emergency. The Health Department recently donated communication equipment to this group and a Memorandum of Understanding (MOU's) have been signed as to how we will call upon their services during a public health emergency.

Several City employees were invited to participate in the Outagamie All Hazard Planning team. Rudy Nyman from Police, Interim Fire Chief Gene Reece, Deputy Chief Bruce Hannigan and Health Officer Kurt Eggebrecht represented the City.

City Sealer Eric Maggio and Health Officer Kurt Eggebrecht met with each of the eight contracted community leaders within the East Central Weights and Measures Consortium to review this past year's work; review all reports prepared on their behalf; and discuss any anticipated new establishments and number of contracted days of work in 2010. Also late this year, the Department was contacted by the community of Fond du Lac to explore the feasibility of Appleton Health Department staff providing Weights and Measures services. After conducting a community assessment and a review of current services, Fond du Lac made the decision to contract with the State for six months with further review at that time.



This year, the Public Health Nursing program provided Public Health clinical placement for two UW-Green Bay BSN completion program students and one UW-Oshkosh BSN completion student. These nurses provided assistance in a variety of nursing areas during their experience with us.

June 24, Kathleen Sprangers, RN, participated in a Hepatitis B vaccine meeting with the ThedaCare system staff. ThedaCare department leaders met to discuss how to deal with a number of children missing a dose of Hepatitis B vaccine. Kathleen identified this issue while working on the Department's immunization contract objectives.

Due to an unexpected retirement, the City of Oshkosh was without a Health Officer the latter half of this year. Given the unique demands of the pandemic, the City requested Mutual Aid and our Department provided staff support to assist with planning for H1N1 response specific to school and community clinics.

The Department continues to provide staff support for the Fox Valley Public Health Preparedness Consortium comprised of eleven health departments. This year staff have been working in partnership with the Bioterrorism Consortium of Lake Michigan (BCOLM) to review and update the Public Health Emergency Plan (PHEP). This plan will then be distributed to all member agencies in each of the consortia to assist them with response to a public health emergency.

Consortium staff has assisted in planning efforts in Winnebago County related to mortuary services. Additionally, consortium staff continues to provide technical assistance for member agencies, collaborate with hospital, mental health and volunteer partners.



In response to the H1N1 outbreak and the World Health Organization declaration of a pandemic, consortium staff continues to work with member agencies to provide technical assistance and support during their response. Additionally, the staff facilitated After Action Conferences and wrote After Action Reports and Improvement Plans to identify each agency's strengths and areas for improvement during their response. This helped agencies make any needed improvements in preparation of the second wave of H1N1 which occurred in the fall.

The staff is also working with all agencies to meet their contract objectives for 2009. A competency assessment was created so that agencies could assess their staff's knowledge and understanding of preparedness and identify training needs for 2010.

In addition to assisting with response activities, the staff worked with the City of Menasha and Calumet County Health Departments on August 5, 2009 to facilitate the functional Strategic National Stockpile exercise. This exercise allowed the health departments to test the set-up, flow, and just-in-time training for their mass clinic sites. Consortium staff also assisted each of these agencies in completing an After Action Report for their exercise.

Health Officer Kurt Eggebrecht met with the health officers of Brown and Fond du Lac counties to lay the foundation for a smooth transition of merging three consortia into one large Northeastern Wisconsin Consortium in 2010. This decision was driven primarily by decreasing State resources provided within our region.

“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.”

Every five years the State completes an evaluation of local health departments to assess that all statutory requirements are met, as well as to determine the type and comprehensiveness of services provided. Based on this assessment departments are rated Level I, II, or III, where level III is the highest achievable. This year our department was reviewed and we successfully complied with all requirements and were rated a Level III health department. Based on this outcome, we will receive the highest allocation of State consolidated grant funds.



Each year, as agents for Department of Health Services (DHS) and Department of Agriculture, Trade and Consumer Protection (DATCP), local health departments are required to complete a "self assessment" form provided by the State. The agent self assessment form is a measurement tool designed to help DHS and DATCP measure the

Inspection program performance. This audit, combined with periodic field evaluations and inspector standardization, enables the agencies to work toward a consistent and uniform inspection program across the State of Wisconsin. The Appleton Health Department's self assessment has been reviewed by DHS and was found to be in compliance with the audit benchmarks.

This year the Department was selected to join a pilot project with ten other health departments in Wisconsin to field test draft national standards and implement Quality Improvement strategies. This program will allow the Appleton Health Department to use Quality Improvement to achieve measurable improvements in the efficiency, effectiveness, performance, accountability, outcomes and other indicators of quality in services or processes which achieve equity and improve the health of the community. The Health Department is exploring two quality improvement projects. The first project is working with the Environmental Health staff to post restaurant inspection reports online. This will allow consumers easy access to the report, and possibly reduce the numbers of re-inspections to restaurants due to increased compliance. The second is working with the Southeast Regional Office and the Milwaukee Health Department on a built environment project. This project will explore the community environment and how improvements in the environment can have a causal effect on the improvement of the health of the community.

The Health Department will also begin to examine the National Accreditation Standards and determine rankings within each of these standards. On a national level, the standards are just being piloted by select health departments. Once the standards are approved and the beta testing is complete, health departments will be able to apply and complete the process. By proactively examining the standards and completing the score sheets, the Appleton Health Department will be ready for the accreditation process once it is complete.

The Department continues to put a high priority on continuing education. This year staff have participated in a variety of trainings to ensure a quality and competent workforce including:

January 29 and 30, Health Officer Kurt Eggebrecht was invited to participate in the Healthier Wisconsin initiative hosted by the State Department of Health and UW Population Health Institute. This meeting bridges work on the State 2020 Health Plan with the universities' work on evidence based community interventions.

Steve Kihl attended a meeting to learn more about the Virginia Graham Baker Act, which will impact all public pools in the nation. The Act requires that all public swimming pools and spas be equipped with anti-entrapment drain covers. Steve then notified all Appleton pool operators about what they must do to be in compliance with this new Federal law. He also informed them that the Wisconsin Department of Commerce is temporarily reducing the required pool plan review fees to accommodate the pool operators. By doing this, he helped those operators that take advantage of the fee reduction to save a considerable amount of money on an already expensive alteration to their pools and whirlpools.

Nursing Supervisor, Kathy Stromberg, RN, BC, attended training at the Fox Valley Technical College regarding "Working with Interpreters."

Public Health nurses Trish Schuldes, RN; Tricia Promer, RN; and Tina Pelishek, RN participated in the "Great Beginnings" training (Prenatal Care) held at the Menasha Library. Trish Schuldes also attended "Fulfilling the Promise, Mothers with Mental Illness" held in Wisconsin Dells.

April 3, Ann Steele, RN, and Kathy Stromberg, RN, BC, attended the Wisconsin TB Conference in Pewaukee which focused on Multi-Drug Resistant TB.

April 22, Trish Schuldes, RN, Tina Pelishek, RN, and Tricia Promer, RN attended a presentation on Postpartum Depression given by Dr. Kollermeier at the Goodwill building in Menasha.

April 24, Trish Schuldes, RN, and Tricia Promer, RN attended the conference "Why Infant Social Development Matters" in Wautoma.

All nursing staff attended the Psychological First Aid training sponsored by Red Cross and the Mental Health Preparedness Consortium on either April 28 or April 30.

Trish Schuldes, RN, participated in the annual Teen Parent Conference held at FVTC on May 1.

Nursing staff received CPR renewal training on May 12.

Ann Steele, RN, and Kathy Stromberg, RN, BC, attended the annual Wisconsin HIV/AIDS program Partner Services training here in Appleton on June 2.

Health Officer Kurt Eggebrecht attended the Wisconsin Public Health Association meeting held in Appleton July 7-9.

On July 17, Trish Schuldes, RN and Tricia Promer, RN attended the Maternal Child Health/Prenatal Care Coordination (MCH/PNCC) regional meeting at the Outagamie County UW Extension. Topics of discussion included the use of sign language with infants

As part of the Annual Public Health Nursing conference in Stevens Point this year, a training on Bright Futures was offered. Trish Schuldes, RN, represented our public health nurses at the training. The conference and the Linkages dinner with schools of nursing was held on August 18 and 19.

Tricia Promer, RN; Trish Schuldes, RN and Becky Lindberg, RN attended the regional First Breath (smoking cessation) meeting in Green Bay on August 27.

Public health nurses Ann Steele, RN, Jean Sternig, RN, Tina Pelishek, RN, Tricia Promer, RN; Becky Lindberg, RN and Kathy Stromberg, RN, BC attended an evening session on

Post Partum Depression sponsored by the Wisconsin Association for Perinatal Care on September 14 at St. Elizabeth Hospital.

Tina Pelishek, RN, attended a conference in Green Bay on Mental Health and Anxiety on September 14.

Kathy Stromberg, RN, BC attended the Wisconsin State Lab of Hygiene Regional meeting on September 17 at Liberty Hall.

On September 30, Jean Sternig, RN, Trish Schuldes, RN, Tina Pelishek, RN and Tricia Promer, RN attended a training on STD Contact Interviewing sponsored by the Division of Public Health held at the UW Extension offices in Oshkosh.

All Department members also participated in media site live trainings from both Centers for Disease Control and the State regarding 2009 H1N1 pandemic.

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

Earlier this year we had three related Meningococcal Disease cases in students from Appleton North High School. Meningococcal Disease is very serious. About 9-12% of persons with Meningococcal Disease die. Of those who recover, up to 20% suffer from some serious after-effect. All three students recovered. One of the parents contacted the Health Department to find an opportunity to share their families experience. Health Officer Kurt Eggebrecht contacted area media to gauge interest in bringing awareness to this disease. April 25 was the first World Meningitis Day so an education campaign leading up to this date seemed appropriate. TV channels 2, 5 and 11 along with WHBY radio and Post Crescent newspaper individually met with the mother of one of the students and Health Officer Eggebrecht. It was agreed by each of the media outlets to air the story on April 25 to bring awareness as to how this disease is spread and how to avoid becoming ill.

Utilizing a prevention grant, this year the Health Department sponsored the first annual Butterfly Festival held at Memorial Park June 20. All proceeds of the Butterfly Festival benefited Parent Connection, a child abuse prevention program serving the Fox Valley Area.



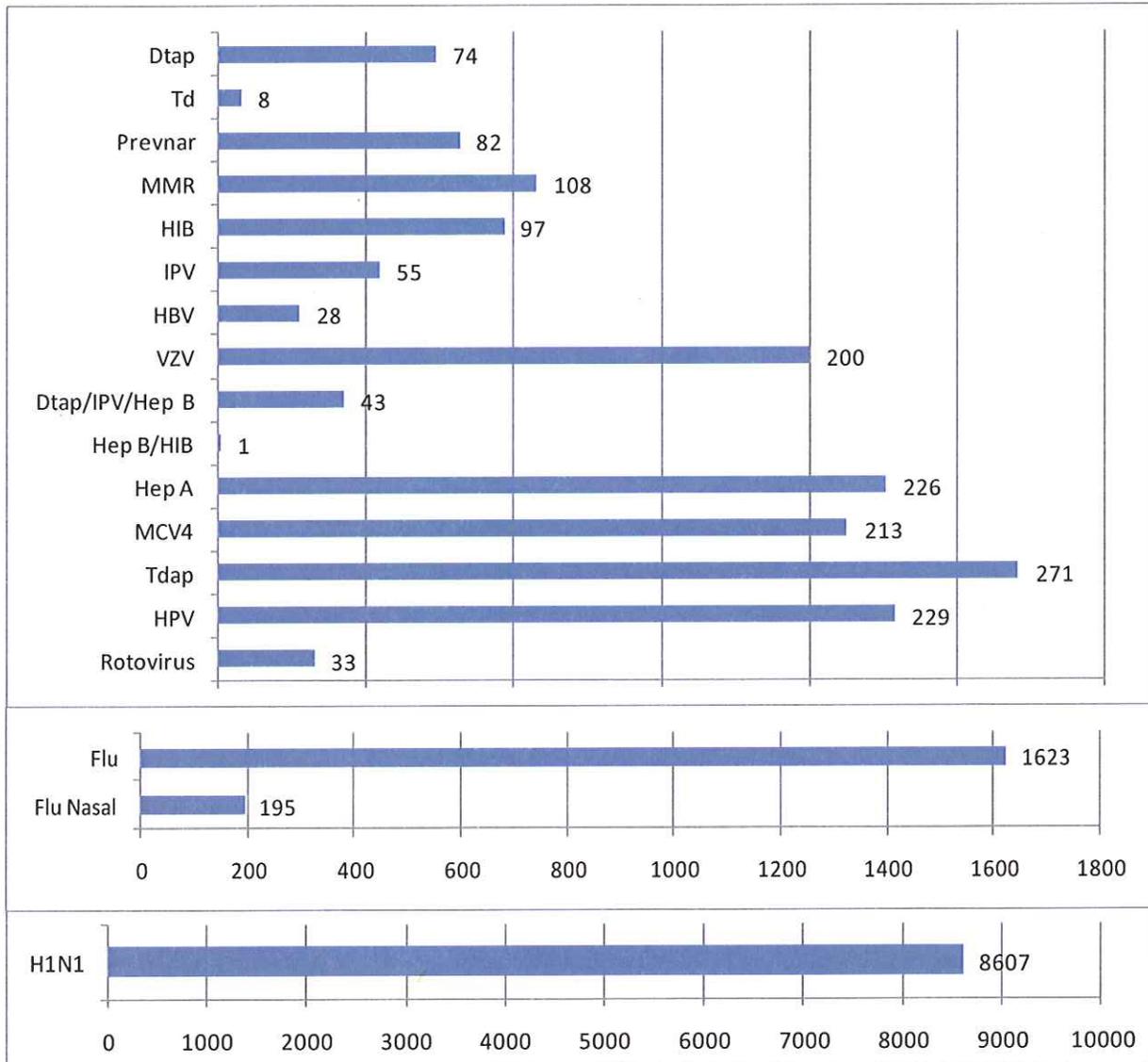
Preventing Disease

COMMUNICABLE DISEASE PROGRAM

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

Clinical services include immunizations and health education. Immunizations for vaccine preventable diseases were provided to the public and City employees. Interpreter assisted clinics were offered monthly to improve access and vaccine coverage for Hmong and Spanish speaking residents. Influenza clinics were offered in the fourth quarter to target at-risk individuals. Both seasonal and H1N1 clinics were provided. Hepatitis B vaccine was offered to non-insured high risk adults through a special Wisconsin Department of Human Services program. In 2009, 10,945 clients received 12,121 doses of vaccine. H1N1 vaccine contributed to 8,607 of those doses.

Vaccines Administered in 2009



Participation in the Northeast Wisconsin Immunization Coalition has focused efforts 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 all cases and contacts. It is estimated for every case of confirmed disease reported, an average of two contacts are identified and counseled.

This year was not normal however, as we had two events that caused a great deal of anxiety and fear in the community.

In Spring we responded to three related Meningitis cases. This is a life threatening illness which required quick action and dozens of contact investigations that took place simultaneously while a significant public education campaign took place in school and community settings.

Also this year we responded to the 2009 H1N1 pandemic. This illness resulted in thousands of inquiries from the public and early in the outbreak, extensive disease contact investigations were conducted. Later, as the numbers of ill grew and our knowledge of the virus increased, we focused on hospitalized and/or ill pregnant women for aggressive follow-up and reporting.

In 2009, nursing staff worked with the Department of Health Services to control Norovirus outbreaks in four long term care facilities. Lab testing, staff education and symptom monitoring services were provided.

In addition to the investigations indicated in the appendix table, the Department received 8 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 physicians. No active cases of Tuberculosis were reported in 2009.

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

Wisconsin Partner Services (PS)

This is a statewide program whose goal is to control and prevent the transmission of HIV infection (AIDS). Efforts to notify partners of infected individuals attempt to break the

chain of disease transmission by early identification and treatment of asymptomatic individuals who have been exposed to HIV and are at risk of being infected and infectious. Work done on these contacts is reimbursed by the State through this program. There were 39 referrals received for this program during 2009.

Sexually Transmitted Disease Contracted Services

The Department has a contract with Planned Parenthood to provide screening, testing, and treatment for persons seeking services for sexually transmitted disease, who have no means of paying for or obtaining services elsewhere. The contract also includes epidemiological investigation of confirmed cases among those clients served. In 2009, one hundred seven (107) individuals were served. One hundred forty-five (145) lab tests were performed resulting in 34 treatments for positive cases.

Foodborne Outbreak Illness Investigation

There was one foodborne outbreak investigated and reported to the State Division of Public Health in 2009.

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 2009, the State provided \$4,045 of fee exempt service to the City. A table of exact types and numbers of tests performed is located in Appendix II. Wisconsin Occupational Health Laboratory provided \$103 of fee exempt service analyzing dust wipe samples—part of the Lead Poisoning Prevention Home Visitation Program.

Occupational Health

Collaborative efforts in providing occupational health services related to communicable disease continued in 2009. Efforts include annual TB skin testing for Police, Fire, and Health and annual training for employees at risk for bloodborne 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 sup-

port to the rabies control program of the Police Department by consulting with victims and physicians and facilitating analysis of specimens.

Regulatory Descriptions and Statistics

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

Lodging Facilities — As agents for DHS, the Department enforces sanitary and safety regulations for all hotels, motels, and bed & breakfast establishments. As agents for the Department of Commerce (COMM) and under the Municipal Code, the Department enforces sanitary and safety regulations for manufactured home communities, formerly known as mobile home parks.

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

Types of Tests	2004	2009
SWIMMING POOL WATER SAMPLES		
Total # of pool samples	190	271
Total # of pools re-sampled	1	2
Total positive Heterotrophic Plate Count	N/A	0
Total positive coliform	1	6
RABIES SPECIMENS		
Total # shipped	2	8
Total positive results	0	0

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

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

The Environmental Health Section operates on a fiscal calendar year of July 1 through June 30. The following chart illustrates the number and types of activities associated with the above license activities. Data for 2008/09 is compared to 2003/04. In the 2008/09 license year, the Department issued 425 licenses and 205 non-profit food permits compared to 444 licenses and 195 non-profit food permits in 2003/04. In 2008/09, 9 plan reviews were completed and in 2003/04, there were 17 plan reviews completed for new or remodeled establishments. In 2008/09, 25 pre-licensing inspections were conducted for new or change-of-operator establishments compared with 50 pre-licensing inspections in 2003/04.

LICENSES/REGULATED ESTABLISHMENTS 2003/04 COMPARED TO 2008/09

Type of Establishment	Number of Inspections		Number of Consultations		Number of Complaints		Number of Re-inspections & Complaint Follow Ups	
	2003/04	2008/09	2003/04	2008/09	2003/04	2008/09	2003/04	2008/09
Public Eating and Drinking Establishments; Temporary Restaurants; Non-Profits	429	425	434	328	42	35	190	102
Permanent and Temporary Retail Food Establishments	101	102	129	75	11	14	53	38
Lodging Establishments; Rec/Ed/ Campground	9	11	3	9	1	1	3	0
Manufactured Home Communities	1	1	0	1	2	0	0	1
Vending Machines	46	49	3	0	0	1	0	0
Swimming Pools	17	27	11	15	0	2	5	13
Tattoo/ Body Piercing Establishments	7	11	35	20	3	1	1	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 visits 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 tax funds these services.

The comprehensive Prenatal Care Coordination program (PNCC), added to the MCH program in 2002, continues to be well received, serving women with risk factors for a high risk pregnancy, working towards positive birth outcomes. Consolidated contract funds provide additional developmental and social emotional screening services and a comprehensive Home Safety Assessment program.

Sudden Infant Death Syndrome (SIDS) Program

With the continued decrease in Sudden Infant Death Syndrome cases, the Wisconsin SIDS Center is no longer funding Health Department case follow-up. The MCH program staff continue to actively promote the "Back to Sleep" initiatives and Safe Sleep. In addition, the department participates on the Outagamie County 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. The goals of the program are to identify children with elevated blood levels, assess and intervene in those cases, provide information to parents of infants and children under the age of six about lead poisoning before the child is potentially exposed, increase awareness of the problem, and provide public education on how to reduce this risk to Appleton's children. This is a cross-disciplinary project involving both nursing and environmental health staff. Interpreter services are utilized when working with non-English speaking families such as Hmong and Hispanic. Efforts are coordinated with WIC offices, where many children are screened. All laboratories are required to report blood level testing results on children ages six years and under to the Wisconsin Department of Health Services, who in turn, report to local public health agencies. These reports are investigated according to Department policy depending on the reported levels. Intervention efforts range from sending out information packets, education via a phone call and/or a home visit to conducting joint environmental/nursing inspections to determine lead sources.

Education and outreach efforts continue to include posting relevant articles and web-site links on the Health Department web page, as well as participation in the Fox Valley Lead Task Force, Fox Cities Housing Coalition and the Hmong/Hispanic Interagency Coalition. Staff representing the Health Department presented lead outreach information at several public events. These include the annual Appleton Area School District pre-school screening, Mom and Me Classes at Appleton Medical Center, the Hmong radio show, the YMCA Healthy Kids Day and monthly immunization clinics. Lead information outreach includes web addresses that link to the Appleton Health Department website as well as the Wisconsin Childhood Lead Prevention program. In addition, targeted lead outreach documents were translated into Spanish.

A consolidated contract objective was continued this year with a prevention focus for families who were at risk for lead poisoning (i.e. economic status, culture, older housing stock, other identified sources of lead such as toys, mini-blinds, lead in a parent's workplace and ceramics or an overall concern about lead issues).

Staff nurse, Kathleen Sprangers, RN, has been certified as a Lead Sampling Technician, which allows for dust wipe sampling and demonstration of the use of lead check swabs, in addition to education on appropriate cleaning. Cleaning kits continue to be provided at all home visits with the education. A follow-up home visit is offered after dust wipe sampling results are available.

Written materials were made available regarding the recent recalls of toys found to have lead in them—parents are given, upon request, a listing with pictures of all the toys of interest that are recalled due to lead hazards. A binder with the latest lead recalls is shared at each home visit; it includes all recalls regarding lead, including candles, clothing, jewelry and toys.

A lead program referral often comes from WIC staff and then the Appleton Health Department contacts the family via phone call or letter to set up an appointment to get their child/children tested. 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. Referrals are also received from several Community Development Block Grant programs (Housing Partnership, Emergency Shelter of the Fox Valley, Appleton Home Rehabilitation Program) for baseline lead levels and lead poisoning education.

Elevations (ug/dl)	2004	2005	2006	2007	2008	2009
Venous Lead Levels >19 ug/dl	1	6	2	1	2	2
Venous Lead Levels 10-19 ug/dl	7	3	7	6	4	3
Capillary Lead Levels > 10 ug/dl	10	14	8	14	10	11

High Risk Adult Health Program

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

Public Health Nursing Caseload Data

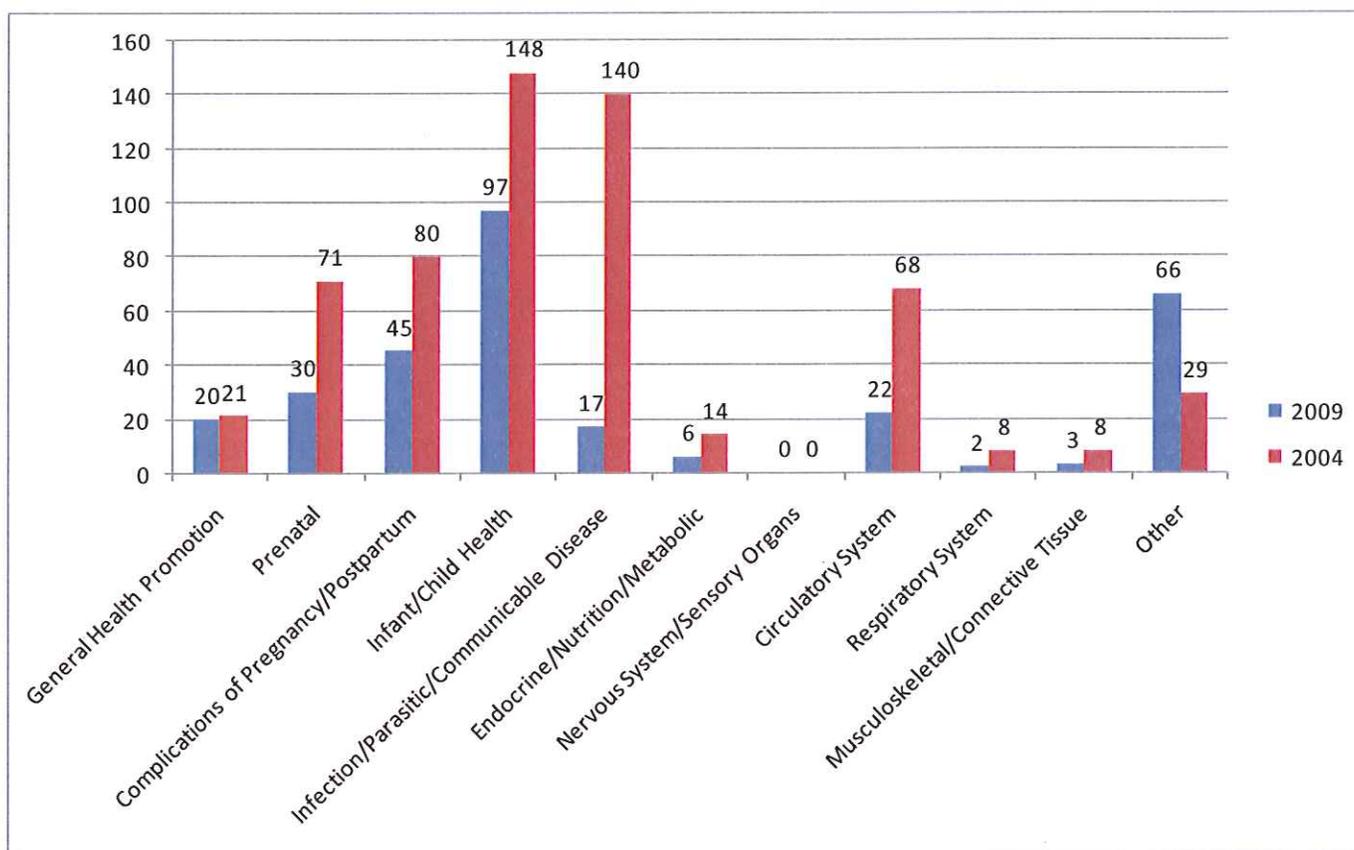
The Public Health Nursing (PHN) caseload consists of individuals and families with complex health problems. The Department received a total of 989 referrals in 2009. A total of 1,558 visits, including admission and discharge visits, as well as phone consultations were made to these clients. This compares to 2,021 visits in 2008.

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	2004	2005	2006	2007	2008	2009
Family	1	1	0	1	2	0
Maternal/Child	1093	992	1004	953	1080	974
Adult/Elderly	31	31	23	17	14	15
<i>Rate/1000</i>	<i>15.65</i>	<i>13.35</i>	<i>14.26</i>	<i>13.45</i>	<i>15.16</i>	<i>13.66</i>

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 promo-

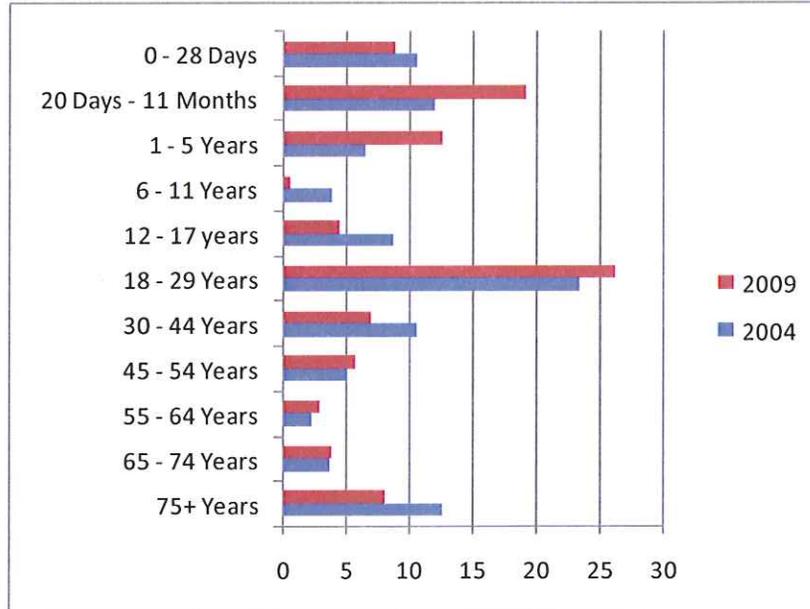
PUBLIC HEALTH NURSING CLIENTS BY PRIMARY PROBLEM



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.

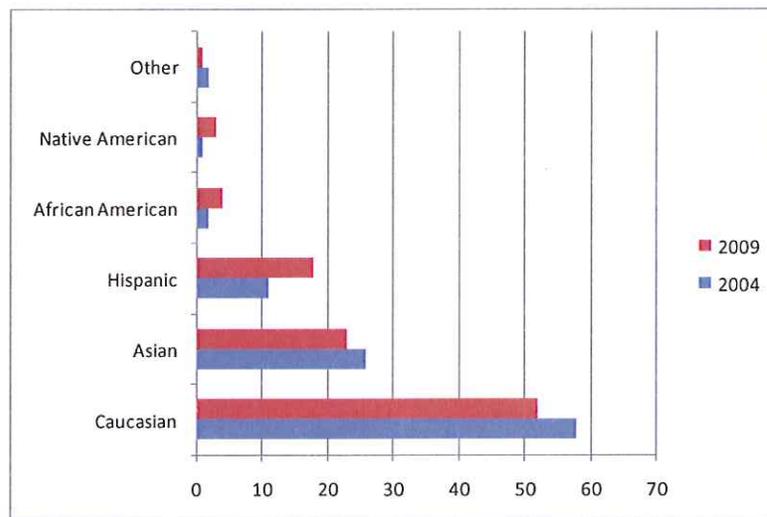
The following graphs describe the 2009 Public Health Nursing caseload by age and race/ethnicity.

PUBLIC HEALTH NURSING CLIENTS BY AGE



PERCENT CASELOAD

PUBLIC HEALTH NURSING CLIENTS BY RACE

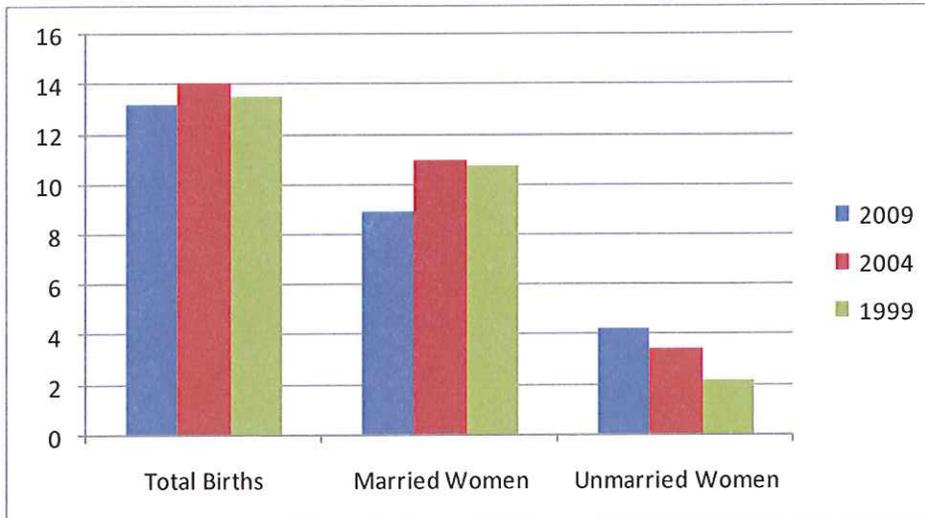


PERCENT CASELOAD

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

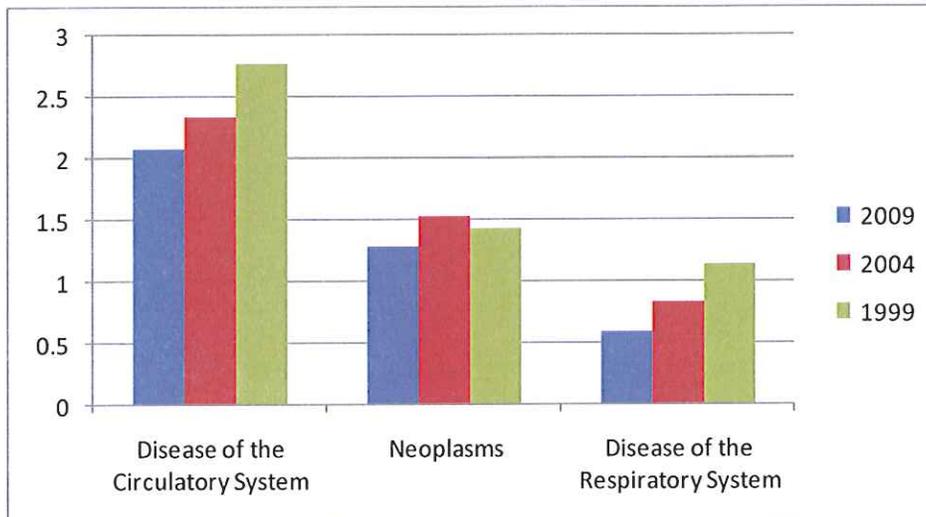
Vital Statistics are maintained for monitoring the morbidity and mortality and as an aid in program planning. Appleton's population increased from 72,297 in 2008 to 72,400 in 2009. The crude birth rate per 1000 population for the State in 2008 was 12.7. For the City of Appleton in 2009, it was 13.3. The graph below shows crude birth rates based on marital status comparing 2009, 2004, and 1999.

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 Appendix VI 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, checkweighing 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 2009, there was a 3.4% error rate, due to regular inspection and after assisting business operators to develop good price control practices.

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

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

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

ESTABLISHMENT TYPE	2007	2008	2009
Food and Convenience Stores	85	107	148
Restaurants	28	19	33
Bakery and Candy Stores	6	9	9
Dairy Plants and Stores	7	13	5
Drug Stores	6	14	11
Hardware Stores	10	18	19
Variety and Department Stores	60	57	78
Gas and Service Stations	40	47	33
Salvage Dealers and Recyclers	21	11	10
Pet Shops and Garden Centers	19	11	9
Industrial Manufacturing Plants	12	6	9
Concrete-Asphalt Plants and Road Materials	21	25	15
Transient Merchants (markets; product; seafood)	193	201	200
Package Shipping and Freight	28	14	15
Service Laundries and Dry Cleaners	3	1	1
Government Agencies	10	13	14
Solicitors and Door to Door Merchants	28	20	112
Close-out Business and Termination Sales	4	3	7
Second Hand Dealers	34	28	34
Laundromats, Car Washes, and other Timing Devices	7	8	4
Miscellaneous	2	1	2
Mobile Petroleum Dealers	50	47	47
Airports and Marinas	0	2	0
Charitable Solicitors *	29	20	N/A
TOTAL	703	695	815

* 2008 was the last year inspecting this category

DEVICES TESTED BY TYPE, YEAR AND PERCENT OUT OF COMPLIANCE

TYPE OF DEVICE (% OF NONCOMPLIANT)	2007	2008	2009
Scales and Balances	594 (9.8%)	498 (9.8%)	558 (4.6%)
Measures (Include Gas Pumps & Fuel Oil Truck Meters)	986 (7.3%)	1086 (6.1%)	1034 (4.2%)
Weights	64 (0%)	56 (1.8%)	41 (0%)
TOTAL	1,644	1,640	1,633

RESULTS OF PACKAGED COMMODITIES TESTED BY YEAR

PACKAGED COMMODITIES TESTED	2007	2008	2009
Total Units of Product Investigated	44,732	31,890	50,955
Random Sample Size	4,381	4,219	9,379
Total Products/Unit Found Short Weight (% short)	350 (1.9%)	1,213 (3.8%)	3,115 (6.1%)
Total Products/Unit Found Mislabeled (% mislabeled)	2,403 (5.4%)	2,216 (6.9%)	3,352 (6.6%)

PRICE SCANNING INSPECTIONS

PRICE SCANNING INSPECTIONS	2005	2006	2007	2008	2009
Number of Inspections	94	99	92	111	123
Number of Items Scanned	3,180	3,233	3,062	3,518	3,836
Pricing Errors Found	129 (4.0%)	143 (4.4%)	134 (4.4%)	152 (4.3%)	130 (3.4%)

CONSUMER COMPLAINTS BY TYPE AND YEAR

TYPE OF COMPLAINT	# Received 2007	# With Violations 2007	# Received 2008	# With Violations 2008	# Received 2009	# With Violations 2009
Foods	2	1	1	0	2	2
Liquid Foods	0	0	0	0	0	0
Non-Food Products	1	1	0	0	0	0
Heating Oil and LP Gas	2	0	3	3	0	0
Firewood	0	0	0	0	0	0
Gas Stations-Pumps	16	2	15	3	1	0
Gas Stations-Service Console	0	0	1	0	0	0
Gas Stations-Price Signage	1	0	3	0	0	0
Gas Stations-Gasoline Quality	0	0	1	0	0	0
Scales-Scrap Metal	0	0	4	3	1	0
Scales-Food	0	0	0	0	0	0
Scales-Other	0	0	2	0	1	0
Scanning	5	2	4	3	0	0
Trade Practices	21	17	8	6	0	0
Advertising	0	0	2	1	6	4
Going out of Business	0	0	1	1	0	0
Temporary Sales	1	1	2	2	0	0
Miscellaneous	1	1	3	1	1	0
TOTAL	50	24	50	23	12	6

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 are received from citizens, police, fire, inspections division of Public Works and county Human Services. There were 189 housing sanitation contacts, including consultations, complaints and follow-up inspections conducted in 2009. This represents 31.5% of non-establishment related Environmental Health program contacts in 2009.

Solid Waste — Solid waste complaints such as garbage/rubbish nuisance concerns are received from a variety of sources. Not only are nuisances of this nature unsightly for neighborhoods, but also failure to comply with sanitation regulations can often lead to greater public health concerns such as rodent, insect and nuisance bird attraction. The total number of contacts was 107, representing 17.8% of contacts in 2009.

Rodent Control — The control of rats in the community is maintained by combining Municipal Code enforcement of commercial properties with a baiting program of exterior residential property and sewers. The Environmentalists are certified pest control operators and licensed to handle baits specific for this purpose. There were 6 contacts related to rodent control in 2009, down significantly from 2008, where there were 39 contacts.

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

ENVIRONMENTAL CONSULTATIONS AND COMPLAINTS RECEIVED				
Nature of Contact	# Consultations		# Complaints	
	2004	2009	2004	2009
Community Water Supply	4	0	0	0
School/Day Care	2	4	1	0
Surface Water Pollution	6	3	4	3
Animal Nuisances	18	21	7	4
Rabies Control	14	39	0	1
Insect Control	25	10	7	4
Rodent Control	2	1	9	3
Hazardous Substance Control	4	18	2	2
Air Pollution-Indoor	26	29	13	21
Air Pollution-Outdoor	7	0	4	2
Noise	24	18	6	6
Radon	3	7	0	0
Garbage/Rubbish Nuisance	8	17	39	30
Private Residence/Housing	64	57	49	58
Lead	11	14	0	0
Other Business	9	34	1	7
Other Programs	10	16	0	0
Total	237	288	142	141

COMMUNITY INVOLVEMENT

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

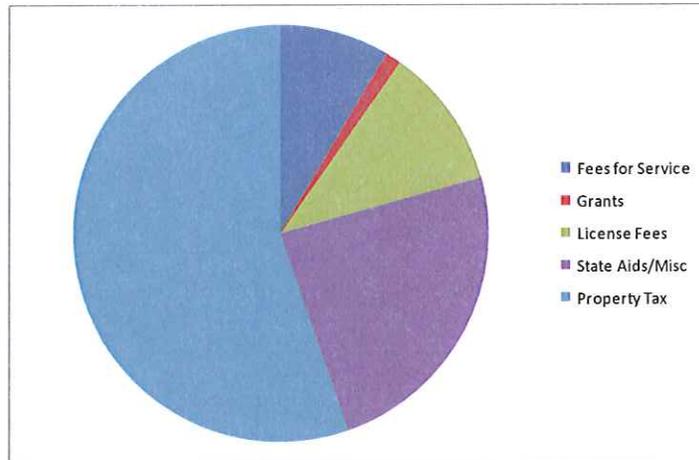
Activate Fox Cities	Northeast Region Nursing Supervisors/Policy & Procedure Working Group
Adolescent Parent/Pregnancy Program	Northeast Wisconsin Immunization Coalition (NEWIC)
American Public Health Association	Northeast Wisconsin Public Health Preparedness Consortium
Appleton Area School Age Parent Advisory Committee	OB Unit/Local Health Department Coordination Committee
Appleton Medical Center Infection Control	Outagamie County Cancer Coalition
Birth to 3 Advisory Board Serving Outagamie and Calumet Counties	Outagamie County Elder Abuse Interdisciplinary Committee
Drug Endangered Child	Outagamie County Healthy Childhood Coalition
Emergency Operation Plan Core Team Committee	Outagamie County Death Review Team
Emergency Shelter of the Fox Valley Board & Officer	Prenatal Care Coordinators
Family Services, Inc Board	Project Promise (Poverty Coalition)
Fox Cities Community Council	Reach Counseling, Inc.
Fox Cities Housing Coalition	St. Elizabeth Infection Control
Fox Cities Kiwanis	Secure Public Health Electronic Record Environment (SPHERE) Lead Team
Fox Valley Lead Task Force	UW Northeastern Regional Research Council (ICTR)
Fox Valley Mental Health Emergency Preparedness Consortium	UW Population Health Institute Advisory Board
Fox Valley Public Health Preparedness Consortium	Walk to Win Campaign
Fox Valley Safe Kids	Wisconsin Association for Perinatal Care
Head Start Advisory Committee	Wisconsin Association of Local Health Departments and Boards
Health Care Forum	Wisconsin Department of Agriculture, Trade and Consumer Protection Weights & Measures WinWam Software Committee
Health Smart Team	Wisconsin Environmental Health Association
Healthy Infant & Child Alliance	Wisconsin Health Education Network
Hispanic Health Advisory Board	Wisconsin Nutrition Advisory Education Program
Hispanic Interagency	Wisconsin Public Health Association
Hmong American Partnership Interagency Committee	Wisconsin Weights & Measures Association
National Environmental Health Association	

APPENDIX I

BUDGET INFORMATION

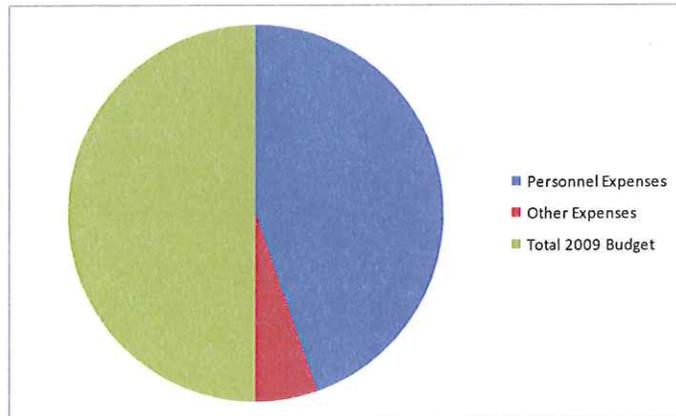
2009 ACTUAL FUNDING SOURCE

Fees for Service-\$127,803 (9%)
Grants-\$18,406 (1%)
License Fees-\$165,339 (11%)
State Aids/Misc-\$361,408 (24%)
+ Property Tax-\$832,934 (55%)



2009 ACTUAL EXPENSES

Personnel Expenses-\$1,345,240 (89%)
Other Expenses-\$160,650 (23%)
Total 2009 Budget-\$1,505,890



APPENDIX II

COMMUNICABLE DISEASE DATA

(Rates per 1000 Resident Population)

GASTROENTERIC DISEASE	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
Amebiasis	0	0	0	0	0	0
Campylobacter	9	.13	16	.22	16	.22
Cryptosporidiosis*	N/A	N/A	5	.06	6	.08
E. Coli	0	0	1	.01	1	.01
Giardiasis	9	.13	14	.19	9	.12
Listeriosis	0	0	1	.01	0	0
Salmonellosis	14	.20	18	.25	9	.12
Shigellosis	12	.17	0	0	1	.01
Yersinia	0	0	0	0	0	0

*Became reportable to local health departments in 2000

SEXUALLY TRANSMITTED DISEASE	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
AIDS*	0	0	2	.02	2	.03
Chlamydia*	115	1.64	141	1.96	160	2.21
Gonorrhea	14	.20	50	.69	27	.37
Herpes**	26	.37	30	.41	0	0
Syphilis	2	.03	1	.01	2	.03
Partner Referral Program***	4	.06	2	.02	39	.54
Other STD	0	0	1	.01	0	0

*Became reportable to local health departments in 1994

**Became reportable to local health departments in 1995

** No longer reportable as of April, 2008

*** Program started in 1995

MISCELLANEOUS DISEASES	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
Blastomycosis	0	0	0	0	1	.01
Ehrlichiosis	NA	NA	NA	NA	0	0
Haemophilus Influenza	NA	NA	NA	NA	3	.04
Hepatitis A	1	.01	6	.08	1	.01
Hepatitis B	1	.01	3	.04	0	0
Hepatitis C	1	.01	28	.38	14	.19
Histoplasmosis	0	0	0	0	0	0
Kawasaki	0	0	0	0	0	0
Lead Toxicity*	0	0	0	0	0	0
Legionellosis	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0
Lyme Disease	3	.04	4	.05	8	.11
Malaria	0	0	0	0	0	0
Meningitis-Bacterial	0	0	0	0	3	.04
Meningitis-Viral	2	.03	3	.04	0	0
Novel H1N1	NA	NA	NA	NA	37	.51
Rheumatic Fever	0	0	0	0	0	0
Streptococcus Pheumoniae	NA	NA	NA	NA	6	.08
Invasive Group A Strep	NA	NA	NA	NA	0	0
Invasive Group B Strep	NA	NA	NA	NA	6	.08
Toxic Shock Syndrome	0	0	0	0	0	0
TB-Mycobaterium	0	0	0	0	0	0
TB-Atypical	6	.09	2	.02	9	.12
Typhoid	NA	NA	NA	NA	0	0
Viral Encephalitis	0	0	0	0	0	0

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

VACCINE PREVENTABLE DISEASE	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
Chickenpox (Varicella)*	103	1.48	0	0	2	.03
Measles	0	0	0	0	0	0
Pertussis	0	0	91	1.26	18	.25
Mumps	NA	NA	NA	NA	0	0

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

APPENDIX III

STATE LABORATORY OF HYGIENE FEE FREE TESTING

The Wisconsin State Laboratory of Hygiene provides sample analysis for selected investigations that deal with communicable disease investigations where insurance or other payer sources are not available. The service has been in existence for many years. The following chart shows the type and number of samples analyzed for the Health Department in 2009. The total cost of these analyses would be \$4,045 if they were not fee free.

TYPE OF ANALYSIS	# OF SAMPLES
Mycobacteriology	10
Salmonella	0
VDRL	0
Rabies	17
N Meningitidis	1
Chlamydia/N Gonorrhea	0
Ova Parasites/Cryptosporidiosis/Giardia	0
Outbreak Stool Cultures	12
Blood Lead-Capillary	24
Blood Lead-Venous	0
HIV 1/HIV 2	0
Norovirus PCR	12
Influenza A & B	4
Liver Function (AST, ACT)	0
Syphilis	0
Rubella	0
Mumps Igm & Igg	0
Hepatitis C	0
Hepatitis B Serodiganosis	1
Hepatitis A	0
E. Coli 0157:H7	0
Respiratory virus PCR	4
Clostridium Perfringens Stool	0

**APPENDIX IV
PUBLIC HEALTH NURSING CASELOAD**

CLIENTS ADMITTED BY PRIMARY PROBLEM	1999	2004	2009
General Health Promotion	35	21	20
Prenatal	14	71	30
Complications of Pregnancy/Postpartum	66	80	45
Infant/Child Health	154	148	97
Infection/Parasitic/Communicable Disease	32	140	17
Endocrine/Nutrition/Metabolic	28	14	6
Nervous System/Sensory Organs	5	0	0
Circulatory System	93	68	22
Respiratory System	24	8	2
Musculoskeletal/Connective Tissue	18	8	3
Other	42	29	66
TOTAL	511	587	308
CLIENT HOME VISITS	1999	2004	2009
Total Home Visits	3,408	2,799	1,558
CLIENTS ADMITTED BY AGE	1999	2004	2009
0-28 Days	73	62	27
29 Days-11 Months	47	71	59
1-5 Years	35	39	39
6-11 Years	3	23	2
12-17 Years	21	51	14
18-29 Years	89	138	81
30-44 Years	37	62	22
45-54 Years	15	30	18
55-64 Years	17	14	9
65-74 Years	22	22	12
75+ Years	152	75	25
TOTAL	511	587	308
CLIENTS ADMITTED BY RACE	1999	2004	2009
Caucasian	410	316	164
African American	13	10	7
Native American	9	2	3
Hispanic	28	60	38
Asian	50	188	96
Other	1	11	0
TOTAL	511	587	308
CLIENTS ADMITTED BY GENDER	1999	2004	2009
Male	187	196	96
Female	324	391	212

APPENDIX V

VITAL BIRTH STATISTICS

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

Appleton Population 1999 = 69,911

Appleton Population 2009 = 72,400

Appleton Population 2004 = 71,895

Crude Birth Rate for State 2008 = 12.7

*All Birth Data is Provisional

BIRTH DATA	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
Total Birth Rate	949	13.57	1017	14.15	960	13.26
Births to Married Women	754	10.79	790	10.99	652	9.01
Birth to Unmarried Women	195	2.79	290	4.01	308	4.25
Total Births to Women <18 Yrs	34	.49	12	.17	20	.28
Unmarried <18 Yrs	21	.30	10	.14	15	.21
Unmarried 18-29 Yrs	137	1.96	182	2.53	249	3.44
Unmarried 30-40 Yrs	33	.47	33	.46	41	.57
Unmarried >40 Yrs	4	.06	2	.03	3	.04

Age of Mother	Birth Count	Percent
15—17 years	20	2.08%
18—19 years	50	5.21%
20—24 years	213	22.19%
25—29 years	344	35.83%
30—34 years	231	24.06%
35—39 years	85	8.85%
40—44 years	17	1.77%
Total	960	100.00%

Race/Ethnicity of Mother	Birth Count	Percent
White (Non-Hispanic)	763	79.48%
Black (Non-Hispanic)	20	2.08%
American Indian (Non-Hispanic)	8	.83%
Hispanic	78	8.13%
Laotian/Hmng (Non-Hispanic)	55	5.73%
Other (Non-Hispanic)	35	3.65%
Missing/Unkown	1	.10%
Total	960	100.00%

APPENDIX V

VITAL BIRTH STATISTICS

*All Birth Data is Provisional

Education of Mother	Birth Count	Percent
None	9	.94%
Elementary	17	1.77%
Some High School	86	8.96%
High School Graduate	296	30.83%
Some College	239	24.90%
College Graduate	312	32.50%
Missing/Unknown	1	.10%
Total	960	100.00%

Birthweight	Birth Count	Percent
<1,000 grams	7	.73%
1,000—1,499 grams	12	1.25%
1,500—2,499 grams	66	6.88%
2,500—3,999 grams	783	81.56%
4,000 + grams	92	9.58%
Total	960	100.00%

Low Birthweight	Birth Count	Percent
< 2,500 grams	85	8.85%
2,500 + grams	875	91.15%
Total	960	100.00%

APPENDIX V

VITAL BIRTH STATISTICS

*All Birth Data is Provisional

Mother Smoked During Pregnancy	Birth Count	Percent
No	835	86.98%
Yes	123	12.81%
Missing/Unknown	2	.21%
Total	960	100.00%

Mother Smoked During Pregnancy	NO		YES		MISSING/ UNKNOWN		TOTAL	
	Birth Count	Percent	Birth Count	Percent	Birth County	Percent	Birth Count	Percent
<1,000 grams	6	.72%	1	.81%	0	0	7	.73%
1,000—1,499 grams	10	1.20%	2	1.63%	0	0	12	1.25%
1,500—2,499 grams	54	6.47%	12	9.76%	0	0	66	6.88%
2,500—3,999 grams	682	81.68%	99	80.49%	2	100.00%	783	81.56%
4,000 + grams	83	9.94%	9	7.32%	0	0	92	9.58%
Total	835	100.00%	123	100.00%	2	100.00%	960	100.00%

Prematurity	Birth Count	Percent
Full Term (37+ weeks)	878	91.46%
Premature (<37 weeks)	82	8.54%
Total	960	100.00%

APPENDIX VI

DEATH DATA

(Crude Death Rate = $1000 \times \# \text{ Deaths} / \text{Total Resident Population}$)
Crude Death Rate for State 2008 = 8.2

AGE	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year	7	.10	2	.02	7	.10
1 Year to 11 Years	1	.01	1	.01	1	.01
11 Years to 20 Years	1	.01	4	.05	0	0
21 Years to 30 Years	6	.09	7	.09	2	.03
31 Years to 40 Years	10	.14	6	.08	7	.10
41 Years to 50 Years	17	.24	19	.26	28	.39
51 Years to 60 Years	28	.40	23	.31	40	.55
61 Years to 70 Years	46	.66	52	.72	47	.65
71 Years to 80 Years	137	1.96	105	1.46	92	1.27
81 Years to 90 Years	166	2.37	168	2.33	150	2.07
91 Years to 100 Years	67	.96	77	1.07	69	.95
Over 100 Years	3	.04	3	.04	6	.08

APPENDIX VI

DEATH DATA

CAUSES OF DEATH	1999		2004		2009	
	Number	Rate	Number	Rate	Number	Rate
AIDS	0	0	0	0	0	0
Accidental Death	12	.17	18	.25	15	.21
Congenital Anomalies	3	.04	0	0	2	.03
Complications of Pregnancy	1	.01	1	.01	1	.01
Condition Originating in Perinatal Period	1	.01	0	0	1	.01
Disease of Blood/Blood Forming Organs	2	.08	0	0	1	.01
Disease of Circulatory System	194	2.77	168	2.33	150	2.07
Disease of Digestive System	6	.09	13	.18	15	.21
Disease of Genitourinary System	16	.23	22	.30	21	.29
Disease of Musculoskeletal System/Connective Tissue	3	.04	0	0	4	.06
Disease of Nervous System	9	.13	14	.19	16	.22
Disease of Respiratory System	79	1.13	60	.83	42	.58
Endocrine, Nutritional & Metabolic Disease	12	.17	1	.01	5	.07
Homicides	0	0	0	0	1	.01
Infectious and Parasitic Disease	3	.04	16	.22	17	.23
Mental Disorder	5	.07	0	0	0	0
Neoplasm	100	1.43	110	1.53	93	1.28
Suicide	6	.09	3	.04	10	.14
Symptoms, Signs and Ill-Defined Conditions	37	.53	41	.57	55	.76