

EAU CLAIRE CITY/COUNTY HEALTH DEPARTMENT

ANNUAL REPORT – 2011

720 Second Avenue Eau Claire, Wisconsin 54703 715-839-4718

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Elizabeth Spencer, M.S., RD – City Appointment

PERSONNEL
As of December 31, 2011

Richard J. Thoune, Director/Health Officer R.S., M.S., M.P.H.

Administration

Jeffery Cipriano., Admin. Serv. Mgr.
+Cindy Birtzer, Office Associate
+Montana Boettcher, Office Associate
Kris Bohlinger, Program Office Spec.
+Joan Klimek, Medical Office Associate
Michelle Longdo, Office Associate
+Linda McCracken, Office Associate
+Suzanne Schieffer, Office Associate
+Shayna Schertz, B.S., Community Health Educator

Environmental Health

Courtenay Johnson, M.S. R.S., Director
of Environmental Health & Laboratory
Kirsten Gierhart, B.S., R.S.
Kenneth Jain, B.S., R.S.
Michael Jensen, B.S., R.S.
David Kragness, M.S., R.S.
Daniel Peterson, B.S., R.S.
Valerie Reiter, B.S., R.S.
Lori Stutzman, B.S.
Tate Zurbuchen, B.S., R.S.

Laboratory

Susan Arndt, M.L.T., A.S.C.P.
Microbiology Coordinator
Alyssa Sickler,
Ted Johnson, B.S., Chemist

Hmong Interpreters

+May Her, Bilingual Health Aide

Spanish Interpreters

+Alice Hampton, Bilingual Interpreter

Health Benefits Specialist

Emergency Preparedness Specialist

+Diane Hunter, M.S.

Public Health Aide

+ Peggy Johnson

Public Health Nursing

Kitty Rahl, M.S., R.N., Director of Nursing
+Paulette Magur, B.S.N., R.N., Supervisor of Nursing
+Denise Wirth, B.S.N., R.N., Supervisor of Nursing
+Jill Bauer, B.S.N., R.N.
+Kay Bogumill, B.S.N., R.N.C.
+Margaret Buchholz, B.S.N., R.N.
Danielle Draxler, B.S.N., R.N.
Allison Gosbin, B.S.N., R.N.
Janel Hebert, B.S.N., R.N.
Melyssa Heintz, B.S.N., R.N.
+Rebecca Knutson, B.S.N., R.N.
Jacqueline Krumenauer, B.S.N., R.N.
Julie Meyer, M.S., R.N.
Pat Prissel, B.S.N., R.N.
+Kristine Radtke, B.S.N., R.N.
+Patricia Reis, B.S.N., R.N.
+Bethany Schilling, B.S.N., R.N.
+Bonnie Solem, M.S., R.N.
Tammy Weegman, B.S.N., R.N.
Ava Vradenburg, B.S.N., R.N.

WIC Program

ElizaBeth Draeger, R.D., C.D., C.B.E., WIC Director
+Melissa Seibel, B.S., C.L.C.
+Claudia Cater, M.S. R.D., C.D., C.L.E.
+Gail Feltz, WIC Clerk
+Jennifer Gaal, R.D., C.D., C.L.C.
+Bonnie Jeffers, R.D., C.D., C.B.E.
Susan Krahn, M.S., R.D., C.D., C.L.C.
Sandra Nordlund, WIC Clerk
+Elizabeth Smith, WIC Clerk
+Ann Statz, M.L.T. A.S.C.P., WIC Clerk
+Alexis Tuma, M.S., R.D., C.D., C.L.E.

Community Health Education

Francie Peardon, B.S., Community Advocacy
Director/Supervisor
+Kristin Hildebrand, B.S., Coalition Facilitator
Trish Chmelik, Program Assistant
+Andrew Draper, Youth Advocacy Advisor

+ Part Time

MISSION STATEMENT

The mission of the Eau Claire City-County Health Department is to protect, promote and improve the health of all people in the community

To accomplish this mission, the Department will provide public health services that:

- **Assure a safe and healthy environment**
- **Prevent disease and disability**
- **Promote positive health practices**

VISION STATEMENT

The Eau Claire City-County Health Department is recognized as a dynamic community partner that provides public health leadership, proactive education, advocacy and intervention for all communities and for all persons across the lifespan.

HEALTH DEPARTMENT DIRECTOR'S REPORT

The Eau Claire City-County Board of Health and Health Department staff are pleased to share our 2011 Annual Report with the residents of Eau Claire City and County, the members of the Eau Claire City Council and Eau Claire County Board of Supervisors, the 13 Town Boards, and the Councils of Altoona, Fall Creek, Augusta, and Fairchild.

The purpose of the report is to provide you with a summary of the department's programs, personnel, finances and public health accomplishments for 2011. Many of the selected report highlights described below represent new activities or projects initiated by your City-County Health Department. These high quality public health initiatives and efforts conducted by our staff promote positive health practices, protect the health of the community, and encourage healthy behaviors across the life span.

2011 Highlights:

- Members of the City-County **Public Health Emergency Preparedness Committee**, lead by the Health Department, continued planning efforts in the areas of At Risk Populations, Mass Fatalities, and patient surveillance systems in 2011.
- The Health Department facilitated the work of local health care providers on the **“Get-the-Shot”** committee. The committee routinely assesses the availability of child and adult seasonal influenza vaccine in the community. The long standing established committee facilitates collaboration, communication, and coordination of influenza health protection efforts.
- The Health Department continued to support the **Eau Claire County Medical Reserve Corps** (MRC). The MRC unit volunteers are trained to support emergency response and public health improvement goals and objectives in Eau Claire County. MRCs coordinate the skills of practicing and retired health professionals, health care workers, and non-medical personnel interested in health and medical issues during a disaster or public health emergency. The City-County Health Officer and volunteer coordinator continued the recruitment and development of the unit throughout 2011. As of December 2011, the unit had 22 registered and trained MRC volunteers.
- The Health Department joined with other community partners to support the Eau Claire YMCA's **Action Communities for Health Innovation and Environmental Change (ACHIEVE)** grant through the Centers for Disease Control and Prevention. ACHIEVE is designed to enhance local communities' abilities to develop and implement policy, systems, and environmental change strategies that can help prevent or manage health-risk factors for heart disease, stroke, diabetes, cancer, obesity, and arthritis. During 2011, the Community Health Action Response Team's action plan focused on creating a student and staff wellness policy in the Eau Claire Area School District and development of a health and wellness chapter in the city of Eau Claire comprehensive plan.
- In conjunction with county courthouse remodel planning and Board of Health approval, the Department worked with a consultant to develop a **short and long range space needs plan**. A final report with recommendations was presented to the County Building Committee and Board of Health in March 2011.
- The annual **“Don't Dump It – Donate It”** event took place at the UWEC Water Street parking lot on Fridays, May 18th and 25th.

- The local water safety project titled “**Think Don’t Sink**” initiated in 2010 to provide outreach and education to the public about the dangers associated with recreational water activities, was completed in 2011. The project was a cooperative effort between the Health Department and the Eau Claire North High School DECA students. The group developed a logo and a website. The website is: www.eauclairewi.gov/thinkdentsink.
- In 2011, the Health Department developed a real-time beach closing web page. This page is updated during the summer months, Memorial Day – Labor Day, with updated closing information. The website is: www.eauclairewi.gov/beachstatus.
- The Health Department provided information to the City of Eau Claire Parks Department regarding the increased numbers of geese and goose feces present at the Riverview Park beach area and the concern for public health and safety. Goose feces carry a variety of human infectious agents, such as *Cryptosporidium* and *E. coli*. The City continued to work with the State and Federal Government on options for the removal of geese from the public beach.
- In a **tickborne disease prevention project**, the Health Department worked with UWEC-ENPH pest control students to identify and survey random properties within the City and County of Eau Claire regarding the increasing numbers of tickborne diseases identified in our County. The survey covered a broad range of demographics, such as property details and recreational activities, as well as knowledge and information about ticks and the spread of disease. The students surveyed 161 individuals. This report was shared with our local Infectious Disease Committee and will be further evaluated by an Epidemiology Intern with the Health Department for data analysis and conclusions.
- The Health Department was one of four county departments/committees identified to research the impacts of **silica sand mining** operations on the health, safety, and welfare of the residents of Eau Claire County. The Environmental Health Division worked on this issue since a county moratorium passed on November 16, 2011. Division staff attended several informational meetings and conferences, as well as public and committee meetings. Recommendations from the Division will be provided to the Board of Health and the Eau Claire County Groundwater Advisory Committee for further review and recommendation to the County Board in 2012.
- The new mission of the **Consortium for Substance Abuse Prevention in Eau Claire County** is to improve the lives of children, youth and adults by mobilizing communities in Eau Claire County to reduce alcohol, tobacco and other drug abuse through prevention and treatment. In early 2011, the consortium was renamed the Alliance for Substance Abuse Prevention (ASAP). It will continue to focus on the following six prevention and treatment priorities: 1) underage drinking (12-17 year olds); 2) underage drinking (18-20 year olds); 3) high-risk drinking (18-25 year olds); 4) tobacco use; 5) other drug use; and 6) early intervention and treatment. ASAP is now the overarching collaborative group to support the various partnerships working on the above priorities.
- The **Parents Who Host Lose the Most** campaign of the Reality Check 21 underage drinking prevention project, was conducted for the third year throughout Eau Claire County to convey the health, safety and legal consequences of underage drinking. This year’s theme, “Could youth be drinking in your home?” was developed based on data from youth reporting that they drink mostly at home or a friend’s home and on weekends. Over 50 volunteers and 30 organizations assisted with distributing over 20,000 promotional pieces, such as yard signs, posters, and stickers, throughout the county.

- The Reality Check 21 project also sponsored the *Life of an Athlete* program, a program about excellence and healthy lifestyles in youth sports that focuses on top performance, helps athletes be injury-free, and increases community, school, and team pride. Over 40 school and community coaches, athletic directors, and administrators from across Eau Claire County attended *Life of an Athlete* presentations in Green Bay and Barron last spring and felt that the program would provide the information and tools needed to raise the level of performance among student athletes. In the fall, John Underwood, founder of the American Athletic Institute and Life of an Athlete program, was brought to Eau Claire County. Over 1100 parents and youth attended one of the four community presentations and the majority reported that the information would influence their behavior.
- The WIC program was awarded a \$4,000 Department of Transportation renewal grant to fund the collaborative “**Kids Ride Safe**” **child passenger safety seat project**. The project is a partnership between the Health Department and Safe Kids Chippewa Valley. It targeted 72 families enrolled in the Prenatal Care Coordination program to receive infant car seats and education on their use. As a certified car seat installer, a WIC staff member provided car seat installation and teaching. This project addresses an unmet need for families that would otherwise be unable to access and use safe car seats for the safety of their newborn infants.
- The Nursing Division developed and initiated a “**Shining Smiles Fluoride Varnish Program**” for rural pregnant women and their families to prevent decay and prevent transmission of decay-causing bacteria to the newborn.
- The Nursing Division provided leadership to chair the Healthy Communities **BRAIN Team**, educating about child brain development and offering the 8th annual brain conference attended by 150 professionals and caregivers, for the Healthy Communities Oral Health Promotion Action Team to conduct a **Sweetened Beverage Campaign**, and reactivation of the **Health Promotion Action Team**.
- With the WIC Director’s leadership, Healthy Kids Eau Claire was launched after completion of a year-long collaborative leadership training through the **Healthy Wisconsin Leadership Institute**. In 2011, Healthy Kids Eau Claire developed a healthy snack guide for parents, coaches and youth activity leaders.

These are just some of the 2011 highlights. Please read the rest of the Annual Report and learn more about the services and programs your City-County Health Department provides for Eau Claire County residents. I encourage your review of the report and invite your comments or suggestions regarding our performance and ways that we can serve you better. Please bring them to my attention at (715) 839-4718.

Yours for a healthy community,



Richard J. Thoune, RS, MS, MPH
 Director/Health Officer

PUBLIC HEALTH NURSING DIRECTOR'S REPORT

During 2011, public health nurses continued to fulfill responsibilities mandated by state statutes and administrative rules, while initiating innovative activities to address new and changing public health needs. Highlights are noted below.

To promote and protect the health of populations in our community, public health nurses accomplished the following:

- Effectively controlled significant communicable disease outbreaks, minimizing adverse effects to the population. The outbreaks included:
 - *Norovirus* outbreaks of acute gastroenteritis in six local residential facilities.
 - An outbreak of 40 verified *varicella* (chicken pox) cases. Nurses provided three immunization clinics at a local elementary school to assure vaccination of susceptible students and families.
 - A *pertussis* (whooping cough) outbreak of 46 laboratory confirmed cases that began in mid-November 2011. Nurses provide investigation and follow-up to assure preventive antibiotic treatment of people exposed and testing/treatment/isolation of all symptomatic individuals. Nurses also send instructional letters to parents and Health Alerts to the medical community.
- Provided flu vaccination for 1,323 individuals at 28 residential facilities and 8 public clinic sites throughout the city and county.
- Administered 1,680 immunizations to 1,137 infants, children and adults at Immunization Program clinics in Eau Claire, Augusta and Fairchild.
- Operated a satellite immunization clinic site at the Chippewa Valley Free Clinic, improving adult immunization rates by administering 112 vaccinations to 85 adult clinic patients.
- Provided 20 home lead exposure risk assessments/teaching for families with children at-risk and 711 blood lead tests for WIC participant children at risk.
- Conducted epidemiologic investigations/follow-up on 881 communicable disease reports.
- Continued the Hepatitis B Prevention Program, identifying & immunizing 17 at-risk clients.

To advance record keeping, data collection and outcome measurements, nursing staff worked with information system experts on electronic data systems as follows:

- Enhanced use of the WI Electronic Disease Surveillance System (WEDSS) for electronic communicable disease reporting and documentation in an entirely paperless system.
- Continued using the web-based public health data system (SPHERE) for outcome measures. Evaluated outcome measure data regarding infants and children who received developmental assessments and pregnant and postpartum women served in the Prenatal Care Coordination program.
- Served as a test site for the WIC data system (ROSIE) and continued use of the Wisconsin Immunization Registry (WIR).
- Continued using the nursing division's documentation and data system (CareFacts) and analyzed client outcome data reports.

To address unmet needs for nutrition education and obesity prevention in the community, registered dietitians accomplished the following:

- Continued the Community Nutrition Program, providing 16 community education sessions, 14 articles for publication, one television cooking demonstration and 74 nutrition consults for non-WIC families.
- Applied for and received a \$4,000 Department of Transportation car seat safety grant award serving 72 families.
- Developed and printed over 7,000 healthy snack educational booklets for distribution to families at schools, extracurricular activities, medical clinics, Head Start programs, and to Health Department and WIC clients to create a community norm of nutritious snack foods for children and families.
- Expanded the Breastfeeding Peer Counselor program, offering support to 294 pregnant and new moms.
- Applied for and received an American Dietetic Association Healthy Breakfast mini-grant.

- Provided community nutrition leadership, serving on the NW WI Breastfeeding Network, Hunger Prevention Coalition of Eau Claire County, ECASD and Western Dairyland Head Start Advisory Committees, Northwestern WI Breastfeeding Network, WI Partnership for Physical Activity and Nutrition, and as Leadership Team Members of Healthy Kids Eau Claire County.
- Provided nutrition education through publishing/distributing quarterly “Eat Well–Play Hard” parent newsletters to 385 families and professional news briefs to 195 health care providers.

To address unmet needs of special populations in the community, public health nurses collaborated with agency staff and community partners to achieve the following:

- Developed and initiated a “Shining Smiles Fluoride Varnish Program” for rural pregnant women and their families to prevent decay and prevent transmission of decay-causing bacteria to the newborn.
- Worked with school district administrators to move toward a combined school district/Health Department student health services delivery model.
- The health benefits specialist provided BadgerCare Plus application assistance to more than 200 families in need of health care coverage, case management to assure establishment of a medical home for 50 families without access to primary care, and outreached the Latino community at the Festival de Cultura.
- Provided 969 nurse visits and 439 dietitian visits to promote healthy pregnancy and birth outcomes for women at risk in the Prenatal Care Coordination Program.
- Developed and taped health promotion educational segments to be aired on Community Television.
- Provided enrollment and case management services for 113 low income women to receive breast and cervical cancer screening through the Wisconsin Well Woman Program.

To accomplish community-wide initiatives, nursing division staff partnered with many community members on collaborative initiatives, including the following:

- Served as chair of the Healthy Communities BRAIN Team, educating about child brain development, including offering the 8th annual brain conference attended by 150 professionals and parents/caregivers.
- Participated in establishing a countywide Child Death Review Team as a grant-funded project to reduce risk factors and initiate prevention activities to promote child health and safety.
- Provided leadership for the Healthy Communities *Oral Health Promotion Action Team* to conduct a Sweetened Beverage Campaign. Educational materials and 24 display kits were developed to circulate through schools, businesses and service organizations in Eau Claire County.
- Provided leadership to the Healthy Communities Infant and Child Health Action Team in collecting data on poverty and homeless children and families.
- Provided leadership to reactivate the Healthy Communities Health Promotion Action Team.
- Provided leadership to establish the Healthy Kids Eau Claire County coalition
- Provided medication administration training to 350 school staff members who administer student medications to assure compliance with state law changes effective March 1, 2011.
- Provided school-based oral health services, including education, exams, dental sealants and/or fluoride varnish, for 1,482 children lacking other access to care in 15 schools and 10 child care centers.
- Provided Fluoride Mouthrinse programs for 819 students in two school districts.

In the coming year, public health nurses will continue to work together with the community, developing effective strategies and collaborative initiatives to address the health needs of populations in our community.

Kitty Rahl, M.S., R.N.
Director of Nursing

ADULT HEALTH PROGRAM

Adult Health Maintenance

Adult Health Maintenance Clinics are directed toward those individuals with chronic disease who are under the care of their personal physician. They are currently being held in the rural areas of the county where health care is not easily accessible. On the initial visit, each person completes a health history, which identifies past and current health problems. The public health nurses provide teaching and counseling related to the individual's specific illness, diet and medication as well as positive health practices and preventive care. Specific tests are performed which include blood pressure and pulse, blood sugar readings and weight.

NUMBER OF CLIENTS AND VISITS TO ADULT HEALTH MAINTENANCE CLINICS AND REFERRALS TO OTHER HEALTH CARE PROVIDERS BY CLINIC SITE January through December 2011

Clinic Site	# Served	# of Visits	# of Referrals
Augusta	41	162	0
Fairchild	11	80	0
TOTAL	52	242	0

Wisconsin Well Woman Program (WWWP)

The WWWP represents the merger of two previous women's health programs: the Wisconsin Women's Cancer Control Program (WWCCP) and the Well Woman Health Screening Program (WWHSP). Funded since 1994 by the U.S. Centers for Disease Control and Prevention, the National Breast and Cervical Cancer Early Detection Program provides breast and cervical cancer screening services. The Wisconsin Department of Health and Family Services, Division of Public Health administers the WWWP. The Eau Claire City-County Health Department is the contracted local coordinating agency for Eau Claire County.

The WWWP pays for certain screenings, diagnostic tests and patient education services related to some of the most common health concerns of women. Breast cancer and cervical cancer screenings are currently covered. In 1998, additional health screenings (Expanded Services) were offered that related to depression, domestic abuse, diabetes, osteoporosis, cholesterol levels, and high blood pressure. The Expanded Services component was discontinued from the program statewide effective July 1, 2006.

Eligibility standards to participate in the program are that women must be age 45-64 years of age, have no or limited health insurance benefits, and meet income guidelines (at or below 250 percent of federal poverty level). Women ages 18 years and older were eligible to participate in this program until July 1, 2001. Women ages 35-64 were eligible to participate in this program until July 1, 2006.

The public health nurse responsible to serve as the Wisconsin Well Woman Program Coordinator was successful in assisting eligible women to access health screenings through this program throughout the year.

Activities included providing public education, distributing outreach materials to medical providers and to women, working with providers to meet program guidelines, and providing educational materials to women enrolled in the program. Case management services included helping women access providers, educating participants on services offered, monitoring normal/abnormal screening results, and referring to community resources.

**WWWP ENROLLMENT ACTIVITY
2011**

Total Enrolled	184
Total Who Received Cervical Cancer Screenings	68
Total Who Received Breast Cancer Screenings	110
Total of Mammograms Received (Ages 50-64)	78

COMMUNICABLE DISEASE PROGRAM

School Illness-Related Absenteeism Surveillance

An absenteeism surveillance program is conducted by the City-County Health Department each year to monitor for upper respiratory influenza-like activity as well as gastrointestinal illnesses. Absentee checks begin in October and end in May of each year.

E-mails are sent to the schools on Wednesday mornings for Tuesday absentees. The absentees to be reported include half and full day illnesses only. Absentees for doctor appointments, deer hunting, field trips, etc., are not counted. After the numbers are collected, the absentees are recorded and absentee rates are calculated. The schools surveyed in 2010-2011 were Sherman, Roosevelt, Meadowview, Sam Davey, Northwoods and Lakeshore Elementary Schools; South, DeLong, and Northstar Middle Schools; Memorial, Regis and North High Schools. Altoona, Augusta and Fall Creek reported absentees to the Health Department for all grades.

**AVERAGE MONTHLY ABSENTEE RATES FOR STUDENTS
October 2010 through May 2011**

Enrollment	OCT	NOV.	DEC.	JAN.	FEB.	MAR	APR	MAY	TOTAL
Elementary 3458	1.89	2.48	2.9	2.92	3.79	3.2	2.5	1.81	2.68
Middle 2764	2.2	3.11	3.09	2.93	3.95	2.69	2.75	2.46	2.89
High 4174	2.81	3.77	3.91	3.24	4.05	3.57	3.51	2.67	3.44

The peak of absenteeism during the 2010-2011 school year was in the week of February 15, 2011 in all schools surveyed. The absenteeism survey proves to be helpful in determining when to acquire nose and throat cultures to isolate and identify the type of "flu-like" illnesses circulating in the Eau Claire community. This information combined with data collected from Urgent Care Centers and Hospital Emergency Department proves useful also to medical clinics and nursing homes so proper precautions can be followed with patients to reduce further spread.

AIDS Testing & Counseling Services

The Health Department's AIDS antibody testing program includes both anonymous and confidential testing. Anonymous testing is not name-associated and is directed toward those individuals whose lifestyles put them at high risk for contracting the virus, which causes AIDS and would elect not to be tested otherwise. Confidential testing is name-associated. It is available to anyone but recommended for persons who need HIV test results for employment or who are symptomatic and want the results before seeing a physician or before applying for financial assistance.

AIDS antibody testing has been incorporated into the sexually transmitted disease service component of the Reproductive Health Program. Individuals requesting testing are scheduled for an appointment in one of the clinics, which are held three times each week. At the time of the appointment, each person completes a questionnaire, which is reviewed by the clinic nurse and discussed with the client so their questions can be answered. Clinic clients also receive extensive counseling by a public health nurse about the meaning of the HIV test and test results, risk factors and lifestyle modifications, which can reduce risk factors.

HIV testing is primarily done using rapid HIV antibody testing. With the HIV rapid test, clients receive results within 20 minutes rather than waiting 2 weeks, therefore decreasing client anxiety as well as assuring that they receive the results. Conventional HIV antibody testing is done by patient request or as a confirmatory test for a positive rapid HIV antibody test or other similar HIV antibody screening test done outside our agency.

Each individual requesting anonymous testing is assigned an identification number and if a conventional test is done, they must present that number when they return for the test results two weeks later. Additional counseling is provided when they receive the test results.

HIV Testing Services 2011

Type of Service	Number Served
Pre-test Counseling	66
Post-Test Counseling	66
Rapid HIV Antibody Tests Conducted	59
Conventional HIV Antibody Tests Conducted	7
# Receiving Anonymous HIV Test	12
# Receiving Confidential HIV Test	54
Total # of HIV Tests Provided	66

COMMUNICABLE DISEASES REPORTED

	2011 TOTAL	2010 TOTAL
Babesiosis	6	0
Blastomycosis	0	1
Campylobacter	15	15
Chlamydia	408	370
Cryptosporidium	14	38
E. Coli shiga-toxin producing species***	12	8
Ehrlichiosis – Anaplasmosis Phagocytophilum/Chaffeensis/Ewingis	58/0/0	29/4/0
Giardiasis	14	8
Gonorrhoea	4	14
Haemophilus Influenzae	4	0
Hepatitis A	0	0
Hepatitis B – acute/chronic/unknown	0/2/3	4/6/3
Hepatitis C – acute/chronic/unknown	0/52/0	0/42/0
Histoplasmosis	0	0
Influenza, Seasonal (Lab Confirmed)**	17	0
Legionellosis	0	0
Lyme Disease	225	196
Malaria	1	0
Measles	0	0
Meningitis– Bacterial (other than Haemophilus influenzae or meningococcal)	0	0
Meningitis – Viral	0	0
Meningococcal Disease	2	0
Mumps	0	0
Mycobacterial Disease (Non TB)	31	24
Pertussis (Whooping Cough)	42	4
Q Fever	0	0
Salmonellosis	12	16
Shigellosis	2	1
Strep Throat**	1,557	1,397
Streptococcus Invasive Disease - Group A	4	0
Streptococcus Invasive Disease – Group B	4	3
Streptococcus Pneumoniae (pneumococcus) Invasive Disease	5	2
Syphilis **	3	0
Tuberculosis	1	0
Varicella (Chickenpox)	48	8

* Influenza 2009 H₁N₁ is considered seasonal influenza in 2010.

**All cases are not reported to the Health Department.

*** All shiga-toxin producing E.Coli (including E.coli 0157:H7) are now reporting in one category

Immunization Program

NUMBER ATTENDING IMMUNIZATION CLINICS BY MONTH & LOCATION

January through December 2011

	Eau Claire (Wed.)	Eau Claire (Thurs.)	Eau Claire (Mondays)	Augusta & Fairchild	Special Clinics	STI Clinics HepA/ HepB	TB/ FP/STI (Clinics)	Adult Hep. B (by contract)	Chippewa Valley Free Clinic	Total
January	6	20	26 & 14	14	0	0	34	6	9	129
February	5	17	10 & 17	5 & 1	0	0	18	3	5	81
March	5	11	9 & 16	12	22	1	21	3	5	105
April	1	7	13 & 6	8 & 1	18	0	19	6	4	83
May	2	3	7 & 9	14	0	2	13	0	2	52
June	6	12	4 & 12	5 & 1	0	6	11	2	1	60
July	8	6	11 & 13	11 & 6	0	2	13	2	8	80
August	8	10	21 & 22	17	0	2	11	5	20	116
September	5	12	20 & 37	9	0	2	10	3	15	113
October	6	28	56 & 53	9 & 2	0	0	10	0	5	169
November	11	16	15 & 13	12	0	2	15	0	6	90
December	7	5	4 & Holiday	10 & 3	0	0	25	0	5	59
Total	70	147	196 & 212	126 & 14	40	17	200	30	85	1137

The number of doses exceeds the number of attendees because some receive more than one dose.

DOSES OF VACCINE ADMINISTERED BY AGE IN 2011 CLINICS

Age	Under 1 year	1-2 years	3-5 years	6-18 years	19+ years	Total
DTaP = Diphtheria, Tetanus, Acellular, Pertussis (Whooping Cough)	0	27	56	7	0	90
DTaP/Polio/HB = Combined Diphtheria, Tetanus, Acellular Pertussis, Polio, Hepatitis B	46	9	2	0	0	57
DTaP/Hib/Polio=Combined Diphtheria, Tetanus, Acellular Pertussis, Haemophilus, Influenza type B, Polio	25	6	0	0	0	31
HA = Hepatitis A	0	28	2	11	43	84
HB = Hepatitis B	1	1	1	17	21	41
Hep A/Hep B = Hepatitis A /and Hepatitis B	0	0	0	1	100	101
Hib = Haemophilus influenza type B	44	22	2	0	0	68
HPV = Human papillomavirus	0	0	0	88	132	220
IPV = Poliomyelitis (Inactivated Polio Vaccine)	1	2	48	25	0	76
MCV ₄ = Meningococcal Conjugate Vaccine	0	0	0	80	2	82
MMR = Measles, Mumps, Rubella (German Measles)	0	33	45	25	18	121
PCV ₇ = Pneumococcal Conjugate Vaccine	67	31	0	0	0	98
Rota Teq = Rotavirus Vaccine	38	0	0	0	0	38
Td = Tetanus, Diphtheria (adult)	0	0	0	9	16	25
Tdap = Combined Tetanus, Diphtheria and Acellular Pertussis	0	0	0	179	194	373
Varicella = Chicken Pox	0	19	43	102	11	175
Total	222	178	199	544	537	1680

Adult immunizations are higher than previous years due to vaccine being available in the 2010 American Recovery and Reinvestment Act (ARRA) Adult Immunization Project.

Influenza Immunization

The Health Department again facilitated the work of local health care providers on the “Get the Shot” committee, coordinating influenza immunization efforts in the community.

Public health nurses provided flu vaccinations to individuals at assisted living residences and public clinic sites in Eau Claire, Altoona and Augusta, to eligible children at Immunization Clinics, and to homebound residents without other access to vaccination.

SEASONAL INFLUENZA IMMUNIZATION 2011

Location	# Immunized
Total Vaccinated at 28 Assisted Living Residences	636
Total Vaccinated at Public Clinics/Homebound	687
Total Vaccinations Provided by Health Department	1323

The trivalent vaccine given contained the following viral antigens: A/California7/2009(H1N1)-like, A/Perth/16/2009(H3N2)-like, and B/Brisbane/60/2008-like.

Influenza immunization is a covered service under Medicare and Medicaid. The Health Department charge for the flu vaccine in 2011 was \$25.00.

A table of the “2011 Influenza Immunization Clinics” is included on the following page.

2011 INFLUENZA IMMUNIZATION CLINICS

Clinic Location and Date	Under Age 19	19-50 Years of Age	Age 50-64	Age 65 and Older	Medicare Enrollee	Medicaid	Total Immunizations Given
Grace Barstow – 10/17/11	0	2	6	10	17	0	18
Grace City View – 10/17/11	0	0	0	5	5	0	5
Grace Congress – 10/17/11	0	0	0	6	6	0	6
Grace Hillside – 10/17/11	0	0	0	6	6	0	6
Owen Rust – 10/17/11	0	0	2	3	4	1	5
Park Towers – 10/17/11	0	7	9	15	23	7	31
Briarwood Cottages – 10/20/11	0	0	0	19	19	0	19
East Ridge Estates – 10/18/11	0	0	1	39	39	0	40
Golden Acres I – 10/18/11	0	0	2	8	8	1	10
London Apartments – 10/18/11	0	0	0	19	19	0	19
Meadows Apartments – 10/18/11	0	0	0	18	18	0	18
Oakwood Home – 10/18/11	0	0	0	13	13	0	13
Good Shepherd – 10/19/11	0	0	0	30	29	1	30
St. Francis Apartments – 10/19/11	0	0	0	27	27	0	27
Grace Edgewood – 10/20/11	0	0	3	35	38	0	38
Grace Willowbrook – 10/18/11	0	4	1	16	16	0	21
Heatherwood – 10/20/11	0	9	8	15	14	0	32
Harbor House – 10/21/11	0	4	0	13	13	0	17
Heritage Assisted Living – 10/21/11	0	7	2	23	23	0	32
Heritage Court – 10/21/11	0	6	1	29	28	0	36
Our House – 10/14/11	0	4	1	5	4	1	10
Care Partners – 10/14/11	0	0	1	14	14	1	15
Country Terrace – 10/14/11	0	0	1	23	23	0	24
Grace Woodland Cottages – 10/14/11	0	0	0	29	29	0	29
Mt. Washington – 10/21/11	0	1	10	12	20	3	23
St. John's Apartments – 10/12/11	0	1	5	39	41	3	45
LE Phillips Senior Center – 10/21/11	0	3	10	103	105	4	116
St. Mary's Community Center, Altoona 10/17/11	4	6	15	62	63	1	87
Milestone Senior Apt & Memory Care 10/19/11	0	9	4	34	32	2	47
Trinity Lutheran Church – 10/25/11	24	10	22	61	61	1	117
Augusta Senior Center – 10/27/11	3	0	7	44	44	0	54
Fairchild Senior Apartments – 10/27/11	0	0	0	16	14	0	16
Supermercado Sandoval – 10/24/11	3	3	3	0	0	0	9
Oak Gardens – 10/21/11	0	0	0	20	20	0	20
Fall Creek Village Hall – 10/27/11	2	0	1	7	7	0	10
Health Department Employee Clinic - 10/6/11	0	15	14	1	0	0	30
Health Department Employee Clinic – 10/11/11	0	14	5	0	0	0	19
Health Department Walk-ins (1/1/11 – 12/31/11)	2	21	6	20	20	3	49
Children Vaccinated at Immunization Clinics	177	0	0	0	0	0	177
Clinic Total	215	126	140	839	862	29	1,320
Homebound	0	0	0	3	3	0	3
TOTAL	215	126	140	842	865	29	1,323

Sexually Transmitted Infection Program

**SUMMARY OF CLIENTS SCREENED IN HEALTH DEPARTMENT SEXUALLY TRANSMITTED INFECTION CLINIC
January 1 through December 31, 2011**

In May 2011, the Sexually Transmitted Infection (STI) Clinic and Family Planning Clinic (FPC) were consolidated into one program entitled Reproductive Health Program. This is an updated approach to provide integrated services in a more seamless system. Clients are now assessed for STI risks and screened for Chlamydia and Gonorrhea using Selective Screening Criteria developed by the State of WI-DPH Family Planning Reproductive/Sexual Health, Early Intervention Program and the STI/STD Programs as part of the Wisconsin Infertility Prevention Project and the Wisconsin State Alliance for Laboratory Testing. The criteria used are evidence-based, cost-effective criteria to identify clients at higher risk to develop Chlamydia and/or Gonorrhea. All clients are educated on STI risk reduction and offered a supply of condoms.

	Male	Female	2011 Total	2010 Total	2009 Totals
Gonorrhea					
Screened	98	65	163	354	324
Positive	1	0	1	3	2
Chlamydia					
Screened	166	289	455	354	324
Positive	43	37	80	82	50
Syphillis					
Screened	1	2	3	4	7
Positive	0	0	0	1	1

Less than one percent of those screened for Gonorrhea were positive while 18 percent of those screened for Chlamydia were positive. The number of patients that screened positive for Chlamydia (80) is a 2 percent decrease this year, compared with 82 positives in 2010.

**FOLLOW UP OF REPORTED CASES OF SEXUALLY TRANSMITTED INFECTION
January 1 through December 31, 2011**

	Gonorrhea	Chlamydia
Total cases reported plus investigated	4	408
Contacts elicited	7	415

Syphillis follow-up is provided by the WI Division of Public Health STI Program.

**NUMBER OF CASES OF SEXUALLY TRANSMITTED INFECTION REPORTED
IN EAU CLAIRE COUNTY BY TYPE, AGE AND GENDER
January 1 through December 31, 2011**

Age	Gonorrhea		Chlamydia	
	Male	Female	Male	Female
15-19 years	0	1	15	47
20-24 years	1	0	66	160
25-29 years	1	1	35	46
30-34 years	0	0	12	16
35 and older	0	0	6	3
Total*	2	2	134	272

*Two Chlamydia cases did not have gender or age identified.

The total number of cases of Chlamydia reported by all providers and followed up by public health nurses was 408 in 2011 compared with 370 in 2010. This is a 10% increase.

Tuberculin Skin Testing

Public Health nurses provide Mantoux tuberculin skin tests to individuals and groups in the community through Health Department clinics. Tests are provided for groups such as school district employees, childcare providers, foster parents, newly arrived refugees, students entering health-related educational programs and persons who are close contacts of a patient with active tuberculosis. A fee of \$17 is charged to all persons tested except Health Department employees and those for whom testing is required for purposes of communicable disease control. The number of tests and results are outlined below.

TUBERCULIN SKIN TESTING FOR COMMUNITY RESIDENTS JANUARY – DECEMBER 2011	
Number of Tests with Negative Results, 0mm	583
Number of Tests with Positive Results, 1-9mm	4
Number of Tests with Positive Results 10 or over	4
Number of Tests Not Read	6
TOTAL Tests Administered	597

Nurses provided 56 fewer tests than were provided in 2010 (653) a 9 percent decrease.

MATERNAL AND CHILD HEALTH PROGRAM

Birth to Three Program

During 1993, Wisconsin implemented a statewide program for children from birth to three years of age who are significantly delayed in cognitive or physical development. Early intervention services are designed to meet the special developmental needs of an eligible child and the needs of the child's family.

The Department of Human Services was designated as the lead agency for this program in Eau Claire County. Working cooperatively with staff from the Department of Human Services, public health nurses provide identification and referral, screening and health assessment for all children who may be eligible for the program. When a child is determined to qualify for the program, core services include:

- assessment/consultation,
- development of an individual family service plan,
- ongoing service coordination and
- development of a transition plan before the child reaches age three.

The Health Department dietitian provides nutrition consultation to families with children who have special nutritional needs. Health Department bilingual health aides provide interpreter services for Hmong and Spanish families not proficient in the English language.

The number of children the Health Department served for the past five years follows:

Early Intervention Service	Total Number of Children Served Each Year				
	2007	2008	2009	2010	2011
Nursing Consultation	199	193	202	248	222
Service Coordination	90	111	108	110	132
Nutrition Consultation	12 consults, 25 follow-up contacts	4 consults, 3 follow-up contacts	5 consults, 17 follow-up contacts	3 consults	7 consults, 26 follow-up contacts

The timely tertiary prevention services provided through this partnership with the Department of Human Services are necessary to promote the children's reaching their full lifelong potential.

Health Benefits Counseling

The Health Benefits Specialist (HBS) continued to focus on coalition and partnership development in the county, with particular focus on the rural communities. The HBS participated in the Augusta and Fall Creek Early Childhood Development Days, and continues to foster relationships with Augusta-Fairchild, and Fall Creek School Districts.

The HBS also continues to identify clients eligible for FPOS and to assist in enrolling them into the program.

Outreach for Family Planning Clinic:

- Posters on all Eau Claire Transit buses
- Ads in Senior Review, Volume One and Eau Claire Leader Telegram
- Posters placed in local businesses
- Participated in Touched Twice Clinic, Bethesda Lutheran Church
- Displays at Eau Claire Area School District and Altoona Early Childhood Days

Other outreach projects this year include:

- Display at Achieve Wellness Day at YMCA
- Outgoing participation in El Centro Conexion
- Enrollment Fair during Cover the Uninsured Week
- Weekly participation at Community Table
- Participation in McKinley Charter School Teen Parent Night
- Presentation to UWEC nursing students: Accessing Benefits in the Community
- Co-Chair Eau Claire HealthWatch Coalition
- Presented to Affinity House
- Spanish brochures at Supermercado Sandavol
- Display at Bolton House Day of Unity and Head Start Dance, North High School
- Presented to Grandparents as Parents support group
- Participation in Hunger Prevention Coalition Meeting

The HBS assisted over 224 BadgerCare Plus applications, including 52 families who were followed to a medical home. In December 2011, the total enrollment in BadgerCare Plus in Eau Claire County was 13,360.

Oral Health Program

The Health Department's contracted Dental Hygienist applied for and received grant funds from the WI Division of Public Health/Children's Health Alliance *Sealants Today for Smiles Tomorrow Program* grant. With additional grant and in kind support from 12 community partner organizations, the oral health program provided preventive health services for underserved children. Partner organizations included the Eau Claire Community Foundation, Northwest Dental Hygienist Association, Junior League of Eau Claire, Oral Health America-National Sealant Alliance, Anne Marie Foundation, and Chippewa Valley Technical College. The following services were provided:

- The *Seal-A-Smile* school-based dental sealant project targeted second grade students in 15 Eau Claire County elementary schools with the highest numbers of children receiving free and reduced lunch. Total services provided were -
 - 899 children received oral health education
 - 316 children were screened
 - 183 children (58% of children screened) had sealants placed
 - 287 children received fluoride varnish application, an additional service begun in the fall semester
 - 75 children (24% of children screened) needed dental treatment –
 - 59 (18% of children screened) needed early care
 - 16 (5% of children screened) needed urgent care
 - Decay was found in 127 primary teeth and 20 permanent molars
 - 44 children (24% of children in need) received dental treatment at "Give Kids a Smile" days at Midwest Dental Clinics and Chippewa Valley Technical College

- The *Headstart Cavity Prevention Program* was offered in 6 schools in the Eau Claire Area School District. Services offered included oral examinations, education, fluoride varnish applications a total of three times during the school year, and dental care referral for any dental problems identified. Services provided were –
 - 431 children received oral examinations.
 - 195 children received one fluoride varnish application.
 - 15 children received two fluoride varnish applications.
 - 182 children received three fluoride varnish applications.
 - 86 children (20%) needed treatment (33 needed urgent treatment)
 - 24 children in need (28%) received treatment.
- The *Eau Claire 4 Tomorrow Cavity Prevention Program* extended the fluoride varnish program to children enrolled in 10 Eau Claire Area School District four-year-old kindergarten programs. Services provided were –
 - 152 children received oral examinations.
 - 42 children received one fluoride varnish application.
 - 16 child received two fluoride varnish applications.
 - 30 children received three fluoride.
 - 14 children (9%) needed treatment.
 - 7 children in need (50%) received treatment.

Prenatal Care Coordination

Prenatal Care Coordination (PNCC) was established as a benefit of the Wisconsin Medical Assistance Program in the 1991-93 biennial budget. The Health Department became a certified provider and initiated this program in 1993. It is directed toward those individuals and families where a pregnant woman is at high risk for adverse pregnancy outcome due to medical or non-medical factors. Non-medical factors include psychosocial, behavioral, environmental and nutrition factors that significantly increase the probability of having a pre-term birth, low birth weight baby or other negative birth outcome.

Prenatal care coordination services help a participant and, when appropriate, the participant's family gain access to, coordinate, and follow-up on necessary medical, social, educational and other services related to the pregnancy. The dietitian or public health nurse does a comprehensive assessment, which includes completion of a pregnancy questionnaire by the participant. On admission to the program, a care plan is developed and implemented based upon identified needs. This is a collaborative effort among the nurse, participant, family and other supportive persons. The care plan is signed by the public health nurse and the participant. It must be reviewed and updated at least every 60 days, or earlier if needs change.

In 2004, public health nurses and dietitians collaborated to expand access to prenatal care coordination services. Assessments, care planning, education, referral and service coordination were made available to women in the clinic setting in association with WIC appointments. The results have been positive for both women served and program staff. The "one-stop-shopping" approach has been successful in reaching women who may not otherwise have been able to schedule the time for this service into their busy work and family lives.

Prenatal care coordination services are available to eligible women through their pregnancy and during the first 60 days following delivery. In June 2010, an additional PNCC clinic was added to the monthly clinic schedule, bringing the total to 9 clinics per month. Reproductive health services were integrated into PNCC clinics and clients were offered emergency contraception services.

Staff provided 969 PNCC visits to 175 women in 2011. Program evaluation demonstrates that nursing interventions produced positive outcomes. For example, after participating in the program, the proportion of clients that demonstrated knowledge of safe sleep practices was 76.9 percent. Seventy-eight (78.8) percent received or arranged for contraception services prior to delivery. The proportion that reported quitting or decreasing smoking during pregnancy was 82 percent.

Reproductive Health Program

The Family Planning Clinic is sponsored by the Health Department and is financed by client fees and a Maternal and Child Health grant through the Wisconsin Division of Public Health. In May 2011, the Sexually Transmitted Infection (STI) Clinic and the Family Planning Clinic (FPC) were consolidated into one program entitled Reproductive Health Program. This is an updated approach to provide integrated services in a more seamless system. The program is staffed by Family Planning Nurse Practitioners and public health nurses. Services are provided on a sliding fee scale according to the client's ability to pay. Medical direction for clinic services are provided by the UW Health - Eau Claire Family Medicine Clinic Residency Program. Services provided by the UW Health Program include:

1. Provision of medical orders and consultation to the Family Planning Nurse Practitioner.
2. Assistance in developing, reviewing and updating the Family Planning and STI Clinic policies.
3. Acceptance of medical emergencies resulting from the fertility control method prescribed at the clinic.
4. Staffing a Consultation Clinic each month.

All new Family Planning clinic clients are given information on breast self-exam, reproductive anatomy and physiology and the contraceptive methods available as appropriate. A physical examination and routine laboratory tests are completed on each new client as well as those returning for a yearly exam.

During 2011, the Family Planning program continued to enroll clients in the Wisconsin Medicaid Family Planning Only Service Waiver Program. This program began in 2003 to provide family planning benefits to women ages 15-44 who meet the eligibility guidelines. In May 2011, the health department program expanded to include qualifying men.

To qualify, women and men must be U.S. citizens or eligible aliens, be Wisconsin residents, have a gross income of no more than 300 percent of the federal poverty level and not be receiving Badge Care Plus or other Medical benefits. The program provides Medicaid coverage limited to family planning services including annual exams, pap tests, birth control, tubal ligation, vasectomy, and sexually transmitted disease testing and treatment.

In total, 993 women and 162 men received contraceptive services and 258 women received Early Identification of Pregnancy services in 2011.

**PUBLIC HEALTH NURSING ACTIVITY SUMMARY
JANUARY 1 THROUGH DECEMBER 31, 2011**

Public health nurses are a valuable resource for health information and guidance for the community. During 2011, nurses made over 4,600 visits to Eau Claire County individuals and families. The number of visits in various programs, clients admitted to the Family Visiting Program and the sources of referrals are outlined below.

The number of admissions was slightly increased from 1,435 in 2010 to 1,465 in 2011.

PUBLIC HEALTH NURSING VISITS PROGRAM January 1 – December 31, 2011	
<u>Program</u>	<u>Visits</u>
Adult Health	74
Birth to Three	1,045
Communicable Disease	666
Immunization	3
Lead Poisoning Prevention	9
Maternal & Child Health	1,816
School Health	0
Prenatal Care Coordination	969
Other	<u>53</u>
TOTAL	4,635

ADMISSIONS AND READMISSIONS BY REFERRAL SOURCE January 1 – December 31, 2011	
<u>Referral Source</u>	<u>Visits</u>
Private Physician	72
Luther Hospital	215
Sacred Heart Hospital	191
Out of County Hospitals	25
WIC Program	117
Schools	6
Family/Friend/Self	61
Public Health Nurses	24
State Agencies	9
Social Service Agencies	55
Nursing Homes	1
Other	32
Unknown	<u>657</u>
TOTAL	1,465

Nurses provided case management services in follow-up to 2,016 visits during 2011. This process involves planning, organizing, coordinating, and monitoring the services and resources needed to respond to a client's health needs.

Additionally, nurses provided 46 educational presentations to community groups concerning a variety of health topics, as outlined below.

PUBLIC HEALTH NURSING EDUCATIONAL PRESENTATIONS: 2011

Health Topic	# of Presentations
Adult Health	2
Communicable Disease	9
Immunization	1
Maternal and Child Health	27
Reproductive Health	3
Student Health at Schools	4
TOTAL	46

On a daily basis, public health nurses respond to multiple health information requests from the public. Available data about telephone consultations provided in 2011 are summarized below:

PUBLIC HEALTH NURSING TELEPHONE CONSULTATIONS: 2011

Health Information Topic	# of Telephone Consultations
Adult Health	162
Communicable Disease	307
Maternal and Child Health	240
Information and Referral	118
WI Well Women Program	84
Child Care	10
TOTAL	921

PUBLIC HEALTH NURSING PROJECTS

Countywide Mandatory Training for School Staff

To assure that schools were in compliance with changes in state law effective March 1, 2011, public health nurses conducted training for 350 Eau Claire County school staff administering student medications. School staff members took an online training course, viewed a Health Department produced video on documentation, attended a documentation Q&A session with the public health nurse and received skills testing by the nurse for nine medication skills. Nurses successfully accomplished the training and skills testing by the March 1, 2011 deadline.

Significant Communicable Disease Outbreaks Controlled

- In 2011, public health nurses investigated and initiated testing and control measures for *norovirus outbreaks* in six local residential facilities. Norovirus causes acute gastroenteritis in humans.
- An outbreak of 40 verified *varicella (chicken pox)* cases required investigation and follow-up to prevent and control disease spread. Nurses provided three immunization clinics at a local elementary school to assure prompt and convenient vaccination of susceptible students and families.
- A *pertussis* outbreak that began in mid-November 2011 required that nurses provide investigation and follow-up for 46 laboratory confirmed cases in 2011. Nurses contacted all involved families and all close

contacts of each case to assure preventive antibiotic treatment of people exposed and testing/treatment/isolation of all symptomatic individuals. Nurses sent instructional letters to parents of students in all involved schools and Health Alerts with testing/treatment guidelines to all medical providers in Eau Claire County.

With prompt and effective intervention, these outbreaks were successfully controlled and adverse effects to the population were minimized.

Child Death Review Team

The Nursing Supervisor of the Community Health Promotion Team participated in establishing a countywide Child Death Review Team. The team is part of the statewide *Keeping Kids Alive* project coordinated by the Children's Health Alliance of Wisconsin in collaboration with the Injury Research Center at the Medical College of Wisconsin. These partners have received a three-year grant from UW School of Medicine and the Public Health Wisconsin Partnership Program to coordinate teams in 19 Wisconsin counties. With the goal of preventing future deaths, Eau Claire County team members from health, human services, law enforcement and higher education organizations meet quarterly to review deaths of persons under age 24 years, uncover risk factors and circumstances influencing the death and assure targeted prevention activities.

Community TV Health Education Spots

Nursing Division staff provided taped educational segments to be aired repeatedly on Community Television and posted on the department website. A dietitian instructed on sugar-sweetened beverages. A nurse educated on women's health and the importance of reproductive health care. The Health Benefits Specialist instructed on resources available to access care and health department services.

Healthy Communities Action Team Accomplishments

- The Eau Claire County Healthy Communities *BRAIN Team (Brain Research Awareness and Integration Network Team)* observed National Brain Awareness Month in March 2011 by offering its eighth annual Brain conference. The public health nursing supervisor chaired the planning committee and served as the conference facilitator. The conference, entitled, "Social-Emotional Development from a Child's Point of View" was attended by 120 area professionals and community members and was very well received. Provided in collaboration with Luther Midelfort, Sacred Heart Hospital and the Family Resource Center for Eau Claire County, proceeds from the conference registration fees were donated to the Family Resource Center and to the BRAIN Team for continued parenting education in the community.
- The *Oral Health Promotion Action Team* conducted a Sweetened Beverage Campaign with the leadership of the department's contracted dental hygienist and a public health nurse serving as co-chairpersons. Educational materials and 24 display kits were developed to circulate through schools, businesses and service organizations in Eau Claire County. The kits educate about the sugar content of sodas and energy drinks, the acidity of sugar-free drinks, and the resulting adverse effects on dental health. Campaign costs were covered by sponsorships from local businesses and the Wisconsin Dental Hygienist Association. The kits have been used in all Eau Claire County Elementary schools, Eau Claire Area School District middle and high schools, dental offices, at a 4-year-old kindergarten Parent Fair, at the Community Table and at Literacy Volunteers. Additionally, multiple sites outside Eau Claire County have requested instruction for preparing educational kits for display in their communities. The team plans to continue the campaign in 2012.
- A *Health Promotion Action Team* was formed through leadership of the Health Department's Community Health Educator and a public health nutritionist. The 18-member team has established its beginning membership and identified priority areas of community need, gaps in service and options for areas of focus for 2012 activities.

- The *Infant and Child Health Action Team* collected local data on poverty and homeless children and families. The team focused on analyzing family utilization of urgent care and ER services as an indicator of need for preventive and primary care and to address ways to support families to establish a medical home.
- The *Family Violence Prevention Team* continues to meet monthly. Activities included providing “Family, Fun and Food” nights with gifts of board games to promote family time; observing Domestic Violence Awareness Day in October by holding a Day of Unity community event, which included a time to celebrate the survivors of domestic violence along with a time to remember those who have been lost; and, conducting various outreach and education activities regarding concealed carry legislation to create healthy dialogue in the community about implications, needed signage, etc.

Chippewa Valley Free Clinic Satellite Adult Immunization Clinic

The Health Department received an \$18,700 ARRA Immunization Funds award from the Wisconsin Immunization Program in 2010. To increase adult immunization rates, the nursing staff developed a satellite adult immunization program at the Chippewa Valley Free Clinic. The program continues to operate successfully under Health Department supervision. In 2011, the clinic administered 112 vaccinations to 85 adult clinic patients who would not otherwise have had access to immunization.

Reproductive Health Program Restructure and Expansion

Nursing staff accomplished a major revision of the department’s Family Planning Clinic Policies. The 160-page document incorporates new state guidelines and consolidates Sexually Transmitted Infection Clinic protocols and Family Planning Clinic protocols together into an integrated Reproductive Health Clinic protocol. The consolidated approach allows the department to maximize reimbursement for services, expand service provision for males and increase staff efficiency to reduce costs. *Family Planning-Only Services for Males* was initiated using the fee structure currently in place for female patients served in the Family Planning Clinic. All available reimbursement is captured for covered services provided, outreach efforts have been increased and more comprehensive data collection is being accomplished to better fulfill grant requirements.

Community Award Received

Linda Bohacek, Dental Hygienist on contract with the Health Department to coordinate the Oral Health Program, was a recipient of the Girl Scouts of the Northwestern Great Lakes *Women of Courage Award* for her outstanding oral health promotion work. This award honors women who exemplify the Girl Scout mission, which is “To build girls of courage, confidence and character, who make the world a better place.”

Community Health Needs Assessment

A multi-disciplinary staff *Community Health Needs Assessment Team* convened to collect, analyze and report data regarding health status and health-related unmet needs in Eau Claire County. The project is part of the department’s Strategic Planning Action Team’s work on assessing and prioritizing community needs to maximize public health impact with limited resources. To date, information from 17 community organizations has been collected

Vision Screening Program Updates Implemented

In the fall of 2011, nursing staff implemented vision screening improvements using revised protocols they developed after receiving Prevent Blindness America training on current best practices. Protocol revisions included changing and adding more grades to be screened, adding physical assessment of the eyes (for strabismus, drainage, etc.), adding stereopsis screening for depth perception, and using new charts and processes for visual acuity screening. Staff recruited and arranged to have 21 community volunteers (seven of whom were Medical Reserve Corps volunteers) trained and certified as vision screeners so a certified screener would always be onsite. The volunteers have done an excellent job. The nursing staff successfully implemented all planned improvements and recommended best practices for screening.

“Shining Smiles” Fluoride Varnish Program Launched for Pregnant Women and Families

As a participant in a United Way oral health project grant proposal, the Health Department received a grant award of \$10,000 per year for three years from Western Dairyland Head Start’s *Shining Smiles Oral Health Program*. The program is a regional effort provided in partnership with Jackson, Trempealeau and Buffalo County public health to address an unmet need for preventive oral health services for expectant mothers and children living in rural Eau Claire County, an underserved population in our community. Services include oral health education, screenings, fluoride varnish treatments, referrals as needed, and case management to ensure recommended treatment is completed. Public health nurses trained by dental hygienists provide education and fluoride application for women served in the Prenatal Care Coordination or Amish Family Visiting programs and residing in rural Eau Claire County. Nurses provide referral and case management for clients found to be in need of further dental treatment. The grant covers start-up costs of the program. The program will be sustained through Medicaid billing and self-pay fees for service. Clients are very enthusiastic about having this service available to them.

Town Hall Meeting Testimony

The director of nursing and health benefits specialist provided testimony to Secretary Dennis Smith and Deputy Secretary Kitty Rhodes at a Town Hall Meeting held at Chippewa Valley Technical College. The purpose of the meeting was to receive input on efficiencies and cost-savings related to the state’s Medicaid programs.

Flu Shot Collaboration

The Health Department again facilitated the work of local health care providers on the “Get the Shot” committee, coordinating influenza immunization efforts in the community. The department also redistributed vaccine to long-term care facilities that were otherwise without access to an adequate amount of vaccine for their residents/staff and provided vaccine for Chippewa Valley Free Clinic patients.

PUBLIC HEALTH NUTRITION PROGRAM

To continue to address the many unmet needs and opportunities for community nutrition education in Eau Claire City-County, the Community Nutrition Program is staffed by Registered Dietitians 16 hours per week. The demand for services once again exceeded the time available. Activities included the following:

- Provided 74 nutrition consultations for families receiving public health nursing services.
- Provided community nutrition education through the news media via -
 - One community television nutrition program on sugar sweetened beverages.
 - Fourteen articles written for print media.
- Provided telephone consultation and 16 nutrition presentations to citizen groups and community organizations seeking nutrition guidance.
- Continued participation in local and state nutrition initiatives: 1) Served as Leadership Team member of Healthy Kids Eau Claire County (formerly known as Eau Claire Area Childhood Nutrition Coalition); 2) Served on Hunger Prevention Coalition of Eau Claire; 3) Served on Eau Claire Area School District Head Start Policy Committee; 4) Served on Western Dairyland Head Start Advisory Committee; 5) Served on Northwestern Wisconsin Breastfeeding Network (formerly known as Chippewa Valley Breastfeeding Taskforce); 6) Served on Wisconsin Partnership for Physical Activity and Nutrition; 7)

Served as Co-chair of Healthy Communities Health Promotion Action Team; 8) Served on Healthy Communities Dental Promotion Action Team; 9) Served on Health Department Strategic Planning Committees (Action Team, Community Health Needs Assessment Team, Demographics Team).

- Provided telephone information and referral to community members seeking nutrition assistance.
- Wrote a \$4,000 Department of Transportation renewal grant proposal, which was funded to continue the Kids Ride Safe Project for a third year.
- Wrote a \$200 American Dietetic Association Healthy Breakfast Mini-Grant proposal which was funded to provide nutrition presentations for over 150 middle school health class students.

Nutrition Intervention for Children Enrolled in Head Start

Through an agreement with the Eau Claire Area School District, Health Department registered dietitians completed nutrition assessments of 117 children enrolled in the district's Head Start Program for low income, preschool-aged children. Staff assessed height, weight and blood hemoglobin and conducted blood lead tests when needed. Dietitians met with each child's parent/guardian and teacher and set mutually agreed upon nutrition goals that teachers and parents will work toward during the year. Dietitians also assessed snack menus for nutritional adequacy and made recommendations where needed. The Health Department bills dietitian and clerical time at an hourly rate. This nutrition intervention promotes healthy nutrition for growth and development among these children at high-risk.

Healthy Kids Eau Claire County - "Smart Ideas for Healthy Snacking" Guide

The Department's WIC Director co-led the Healthy Kids Eau Claire County coalition's healthy snacking initiative which resulted in the development of a healthy snack guide which was distributed to five agencies throughout the county. Piloting began in 2011 at select elementary schools, WIC clinics, pediatricians offices as well as Head Start agencies. This initiative will continue in 2012.

Eat Well – Play Hard Newsletter and Professional News Brief

Quarterly community newsletters and professional news briefs were written by Health Department registered dietitians and were distributed in the WIC clinic, Head Start programs, day care centers and medical clinics to 385 families and 195 health care providers in Eau Claire County. Topics pertaining to good nutrition and increased physical activity were written for parents. Professional news briefs were distributed to area physicians, nurses and dietitians working with families with children. These news briefs contained current scientific study information from peer-reviewed journals focusing on nutrition and physical activity as they relate to children and families.

Community Nutrition-Parent Education Project

The WIC program in partnership with the Eau Claire Area School District Health Start and EC4T Early Learning Programs presented two offerings of "Gregory the Terrible Eater" Family Night at DeLong High School. The program is a time to "get into reading as we read, cook and eat together." Staff also offered monthly nutrition classes for parents of young children at the Family Resource Center for Eau Claire County.

UW-Stout Dietetic Internship Program

WIC Program staff continued to collaborate with the University of Wisconsin – Stout Dietetic Internship program by providing a public health nutrition practice area for students enrolled in the graduate dietetics program and dietetic internship. Three masters prepared students interned at the Department in 2011.

The dietetic interns work closely with the public health nutritionists and the WIC staff to provide nutrition services to the community. Faculty from UW-Stout do not accompany these interns to the Health Department so the public health nutritionists are responsible for teaching and supervising their work within the department and serving as their public health rotation preceptor.

The dietetic interns have a 4-week internship rotation. They begin the rotation with observational experience of the WIC program with a public health nutritionist. This is designed to provide an opportunity to increase their understanding of the WIC program and the role public health nutritionists have within the WIC program. In the second week of their rotation, the dietetic interns begin co-counseling with the public health nutritionist and then advance to counseling independently. Additionally, during the internship rotation, dietetic interns work closely with the public health nutritionists developing nutrition classes for the community and nutrition education displays.

Dietetic interns also gain observational experience with the Birth to 3 Program and public health nursing services. Interns work with the media as well as attend meetings relevant to public health nutrition. This partnership with the University of Wisconsin – Stout Dietetic Internship program has allowed the public health nutritionists to share their nutrition expertise while giving the Health Department the opportunity to work on additional projects with student involvement.

UWEC COLLEGE OF NURSING AND HEALTH SCIENCES

The department's public health nursing division continued to serve as an extended unit for the University of Wisconsin - Eau Claire College of Nursing and Health Sciences. The department provides a clinical practice area for junior and senior nursing students in the baccalaureate program and for students enrolled in the graduate-nursing program. In 2011, the nursing division also provided clinical experiences for Eau Claire resident students enrolled in the Viterbo and UW-Green Bay baccalaureate nursing programs. Partnerships in nursing education are expanding to meet the changing needs of students and to build the public health nursing workforce.

Student nurses work closely with Health Department staff to provide nursing service in the community while learning by their experiences in the field. Some student nurses have a 16-hour observational experience with a public health staff nurse, which is designed to increase their understanding of the role of the public health nurse and the process of caseload management. Experiences in population-focused activities such as community assessment are provided as well.

Public health nurses also work with R.N. students who are enrolled in a baccalaureate completion program. Faculty does not accompany these students to the Health Department so the public health nurse is responsible for teaching and supervising their work within the department. These students begin their clinical with a 16-hour observational experience and then work with a public health nurse on a population health project.

The Health Department's nursing staff also participates in a collaborative statewide public health nursing workforce initiative – the *Linking Education and Practice for Excellence in Public Health Nursing Project (LEAP Project)*. This grant-funded project's purpose is to improve competency for public health nursing practice in a changing public health system by educating public health nurses, student nurses, and nursing faculty in the knowledge and skills required for providing population-based, culturally competent public health nursing services. The overarching goal is to contribute to population health improvement and the reduction of health disparities by developing a sufficient, highly skilled, diverse, and visible public health nursing workforce in Wisconsin. This project addresses needs for new knowledge and skills in population-based public health nursing practice among students, faculty, and practicing public health nurses.

In 2011, public health nurses participated with Polk and Chippewa County nursing staff in a pilot project offering 64 hours of clinical experience for senior nursing students, rather than the 16 hours they have traditionally received. The experience included observational home visits, clinics and specific projects involving collaboration experiences. The goal was to immerse senior students more fully in the work of the public health nurse (PHN) to enhance student understanding of public health and better prepare them for the PHN practice role. Students in the pilot project worked with public health nurses to design and initiate the *Shining Smiles Fluoride Varnish Program*. The students then were trained in fluoride varnish application and became the department's first providers of program services. Students, faculty and nursing staff all deemed the pilot a success and recommend offering the expanded clinical on an ongoing basis.

SCHOOL HEALTH PROGRAM

The School Health Program is implemented as a public health nursing consultation model. Public health nurses work together with school staff and parents to facilitate implementing school health plans for approximately 14,000 students enrolled in 34 Eau Claire County public, private and parochial schools. School staff members carry out these plans. Public health nursing responsibilities include the following:

- Consultation and health counseling with children, parents, teachers and staff on an established schedule and by phone when not onsite at the school;
- Home visits to families for health assessment and referral to community resources to increase individual and family health potential;
- Consultation about children's health needs as a member of the school's Needs Assessment Team and the Multi-disciplinary Team;
- Teacher/staff in-service education about health services and appropriate referrals;
- Development of student health plans;
- Consultation with school staff about medication policy and instruction regarding dispensing medications;
- Training of school staff members conducting specialized healthcare procedures such as tube feeding, bladder catheterization, or blood sugar checks for children with diabetes;
- Consultation with school staff regarding first aid supplies, emergency policies and procedures;
- Notification of school staff about students who have special health needs that may require special attention;
- Consultation regarding communicable disease and policy for excluding ill children;
- Surveillance of student and staff illness absentee rates;
- Consultation regarding student immunizations;
- Work with school staff on maintaining appropriate school health records for students;
- Organize health screening activities; train volunteers and school staff to conduct hearing, vision, and scoliosis screening programs, and provide follow-up on significant findings;
- Organize fluoride mouthrinse programs in participating schools.

School Health Program Quality Improvement

During 2011, Public health nursing staff planned and implemented many enhancements in the school health program, including the following:

- Revised and updated guidelines for the School Health Resource Guide for the 2011-12 school year.

- Carried out medication training for all Eau Claire County schools to implement requirements of the new Medication Administration Law for Schools, which mandates, all school personnel that administer medications complete a “DPI approved training course” and a skills competency check.
- Expanded the population-based mental health project to include more Eau Claire County schools to educate school staff and parents on available resources, to decrease stigma and to promote normalization of mental health-related discussion and intervention when needed including:
 - Distributed parent/school staff education articles on mental health, bullying, and self-injury behaviors for publication in school newsletters.
 - Distributed a mental health resource handout that has become an insert into the Children’s Mental Health Alliance booklet on Child and Adolescent Mental Health.

Fluoride Mouthrinse Program

Augusta and Altoona public schools continued to participate in the fluoride mouthrinse program this year. The purpose of the program is to reduce dental caries by topical application of fluoride. Parents must give written approval for their children to participate in the program. Children rinse their mouth with a neutral fluoride solution for one minute each week. This is done for a minimum of 30 weeks. Thirty rinses are recommended for optimum protection.

The Health Department provides the fluoride and other supplies funded by a grant from the Division of Public Health. School personnel and parent volunteers administer the mouthrinse in consultation with the public health nurse serving the school.

Fluoride Mouthrinse Program Participation 2011

School	# of children
Augusta Elementary School	258 children in kindergarten through grade 4
Pedersen Elementary School – Altoona	561 children in kindergarten through grade 5

Vision Screening 2010-2011

Volunteers screened school children enrolled in Kindergarten, first, third, fourth, seventh, eighth grades and preschool, in all city and county schools using the Snellen vision charts. First, fourth and eighth grades were added to the screenings this year as they were deferred in 2009-2010 due to the H1N1 flu outbreak. All children who did not pass the initial screening were rescreened on another day. Parents of children who had difficulty with the second screening were notified by the public health nurse and requested to have their child’s eyes examined by an eye doctor.

Vision Screening

2010-2011	
Total Enrolled in Grades Screened	5,630
Total Number Screened	4,695
Total in Other Grades Screened by Parent Request	7
Total Number Rescreened	450
Number Already Wearing Glasses	844
Total Number Referred for Eye Exam	170
Total Number Obtaining Glasses	113
Total Number Examined but not Needing Glasses	7
Total Recommended for Special Seating or Optional Glasses	1
Number Under Care for Previously Known Problem	29
Number Whose Parents Chose not to Have Eye Exam	10
Number Lost to Follow-up or Moved	10

Hearing Program 2010-2011 School Year

Hearing screening is done in the public and parochial city and county schools each fall for children enrolled in Head Start, kindergarten and first grade. Second grade was added this year as hearing screenings were deferred in 2009-2010 due to H1N1 flu outbreak. The initial screening was done by volunteers recruited by the school health chairmen. Children with deviations from normal were retested by trained technicians. After the second testing, audiograms indicating apparent hearing problems were evaluated and recommendations were made for further testing or medical evaluation. Children needing a medical examination were referred to their primary physician.

Hearing Screening

2010-2011	
Total Enrolled in Grades Screened	2,952
Number of Children Screened, Includes New Students in all Grades	2,877
Number Rescreened by Technician	310
Number Referred for Further Evaluation	54
Number Under Care for Existing Problem	14
Children Evaluated by Personal Physician	9
Treatment Recommended	10
Received Hearing Aid	0
Preferential Seating	0
No Treatment Recommended	15
Moved From Area	0
Chose Not to Follow-up	6

**SUMMARY OF IMMUNIZATION STATUS OF KINDERGARTEN CHILDREN
BY SCHOOL AS REPORTED BY THE SCHOOL PRINCIPAL, FALL 2011**

School	Kindergarten Enrollment	Immunizations Complete #	Immunizations Complete %	Immunizations		Waiver	No Record On File
				In Process	Behind Schedule		
Altoona/Pedersen Elementary	113	103	91%	0	0	10	0
Augusta Elementary	49	38	77%	0	9	1	1
Crestview	22	21	95%	0	0	1	0
Fairchild	18	15	83%	0	3	0	0
Fall Creek	49	46	94%	0	1	2	0
Flynn	61	59	97%	0	1	1	0
Immaculate Conception	33	30	91%	0	0	3	0
Lakeshore	79	69	87%	0	0	10	0
Locust Lane	41	39	95%	0	0	2	0
Longfellow	54	50	92%	1	0	3	0
Manz	61	54	88%	0	4	1	2
Meadowview	72	69	96%	0	0	3	0
Messiah Lutheran	14	11	78%	0	0	3	0
Montessori	54	43	80%	0	1	10	0
Northwoods	59	59	100%	0	0	0	0
Otter Creek Christian Academy	0	0	0	0	0	0	0
Putnam Heights	56	53	95%	0	0	3	0
Robbins	77	69	90%	0	1	7	0
Roosevelt	44	44	100%	0	0	0	0
St. James	15	13	87%	0	0	2	0
St. Mark's	12	12	100%	0	0	0	0
St. Mary's	23	21	91%	0	0	2	0
Sam Davey	72	69	96%	0	1	2	0
Sherman	76	73	96%	0	1	2	0
Total	1,154	1,060	91%	1	22	68	3

Scoliosis Screening 2010-2011 School Year

Scoliosis screening was done in all school districts in Eau Claire City and County in March and April. Scoliosis is an appreciable lateral deviation (curvature) from the normally straight vertical line of the spine. Early detection by a screening program or private physician is critical for best treatment of the condition. Girls in grades six and seven and boys in grade eight were screened. The screening was done by physical education teachers and public health nurses using standardized posture and screening charts. The teachers do the initial screening during regular physical education classes and students with questionable deviations are sent to the public health nurse for rescreening. Those students with significant deviations were referred to their family physician for diagnosis and follow-up.

**SUMMARY OF STUDENTS SCREENED
FOR SCOLIOSIS BY GRADE AND GENDER
2010-2011 SCHOOL YEAR**

	6 th Grade	7 th Grade	8 th Grade	Total	
	Female	Female	Male	Male	Female
Enrollment for Grades Screened	451	481	456	456	932
Number of Students Screened	437	465	443	443	902
Number Refused Screening	12	12	5	5	24
Number of Medical Referrals	2	1	1	1	3

Number to be rescreened in six months	7
Number referred for medical evaluation	4
Number requiring periodic medical follow-up	1
Number requiring brace treatment	0
Number requiring surgery	0
Number under care of physician before screening	0
No further follow-up recommended	2
Moved from area - lost to follow-up	1
Refused follow-up	0

WIC PROGRAM

WIC Program Participation

The Special Supplemental Nutrition Program for Women, Infants, and Children (WIC Program) in Eau Claire County was funded to serve 2,283 participants per month during 2011. An average of 2,202 participants were served each month during 2011.

The Eau Claire City-County WIC Program serves pregnant, breastfeeding and postpartum women, infants and children up to the age of five years. A total of 3,681 individuals participated in the WIC Program during this past year. Please see the following chart for WIC participation during 2011. The WIC Program serves as an adjunct to health care during critical times of growth and development by providing participants with nutritious supplemental foods, nutrition and health education, and referrals to area physicians, public health nurses and other community services.

An Eau Claire City or County woman, infant or child who meets the income eligibility requirements of the WIC Program is seen at a WIC clinic in Eau Claire, Augusta, or Fairchild. Applicants are screened to determine if they have a health or nutritional need which will qualify them for the program. Height, weight and hemoglobin are measured for each potential participant along with an assessment of dietary and other health risks.

WIC provides supplemental nutritious foods, nutrition education and counseling at three sites in Eau Claire County. WIC clinics are held in Eau Claire, Augusta and Fairchild. WIC participants receive nutrition education and vouchers to purchase specific foods that are designed to supplement their diets with nutrients that benefit WIC's target population.

WIC foods include infant cereal, iron-fortified adult cereal, vitamin-C rich fruit or vegetable juice, eggs, milk, cheese, peanut butter, dried and canned beans/peas, canned fish, soy based beverages, fruits and vegetables, baby foods, whole wheat bread and other whole grain options.

WIC recognizes and promotes breastfeeding as the optimal source of nutrition for infants. For women who do not fully breastfeed, WIC provides iron fortified infant formula. Special infant formulas and medical foods may be provided when prescribed by a physician for a specified medical condition.

WIC PARTICIPATION DURING 2011

Participant Type	Number	% of Caseload
Pregnant Women	280	8%
Breastfeeding Women	241	6%
Postpartum Women	542	15%
Infants	713	19%
Children Age 1 – 492 Age 2 – 438 Age 3 – 396 Age 4 – 579	1,905	52%
Yearly Total = 3,681 unduplicated participants		

WIC PARTICIPATION DURING 2011

Race	% of Caseload
Asian	16%
Black	6%
American Indian/Alaskan Native	2%
Native Hawaiian/Pacific Islander	0%
White	76%
Total	100%

Ethnicity	% of Caseload
Hispanic or Latino Origin (a)	7%
Not Hispanic or Latino Origin (a)	93%
Total	100%

(a) Hispanics may be of any race, so also are included in applicable race categories.

Farmers' Market Nutrition Program

The WIC Farmers' Market Nutrition Program continued in Eau Claire County during the summer of 2011. This program provides participants in the WIC Program with vouchers to purchase fresh fruits, vegetables and herbs at authorized Farmers' Markets' and Farmstands. Markets in Eau Claire County included Phoenix Park, Festival Foods and Oakwood Mall. Farmstands in Eau Claire County included Hillview Farm and McIlquham Orchard. The goal of the WIC Farmers' Market Nutrition Program is to provide fresh, unprepared, locally grown fruits and vegetables to WIC participants, and to expand the awareness, use of, and sales at farmers' markets.

Each WIC family received \$15 -\$17.00 in market vouchers for the summer which they could use to purchase fruits, vegetables or herbs at authorized Farmers' Markets or Farmstands. A total of 1,300 families received these coupons through the WIC Program during the summer of 2011.

Farmers' Market Nutrition Education Project-Veggin' Out

The City-County Health Department's WIC nutrition program continued its successful Veggin' Out fruit and vegetable education demonstrations at area Farmers' Markets. Education targeted WIC families but was open to all community visitors to the farmers' markets located in Phoenix Park and at Festival Foods. UW-Stout Dietetic Field Experience students made up the teams that staffed the demonstrations and UW-Extension partnered with WIC to provide technical assistance and oversight. This is planned to continue as an annual offering.

Farmers' Market Nutrition Project – Mini Market

The Department's WIC program entered into partnership with the Chippewa Valley Boys & Girls Club as well as UW-Extension to provide a unique program with benefits for both Club members and WIC participants. Fresh produce grown and marketed by Club members was made available for families to purchase with Farmers' Market WIC vouchers in the WIC clinic waiting room. Dietitians and UW-Extension staff provided produce recipes and education on food safety. With this project, Club members (10-14 year old children) grow and harvest vegetables and learn skills needed to interact with the public by selling the fruits of their labor, while WIC participants receive a convenient option for using their Farmers' Market WIC vouchers. The project will be continued in 2012.

Nutrition Education

WIC participants are certified for periods ranging from six months to one year. Individual nutrition counseling is provided by a Registered Dietitian at each appointment. Nutrition counseling is based on the participant's needs and includes anticipatory counseling as needed. Participants are also encouraged to attend tabletop or one-on-one sessions during their certification period. Tabletop and one-on-one sessions are provided on voucher issuance days by WIC Dietitians and UW-Extension staff. The education sessions teach the participant how to incorporate better nutrition and increased physical activity habits into their family's life. The tabletop sessions during 2011 were:

1. Choosy Eaters
2. MyPlate – healthy eating guide
3. Veggin' Out at the Farmers Market
4. National Nutrition Month – Eat Right with Color
5. How to Use Your Fruit and Vegetable Vouchers
6. Eat a Variety and More Fruits and Vegetables
7. Feeding Your Older Baby

One-on-one sessions with WIC Dietitians address specific health and/or nutrition goals set at the previous certification appointment.

WIC Grocery Stores and Pharmacies

Eau Claire grocery stores and pharmacies continue to be an important partner in the WIC Program, as they redeem drafts according to state and federal regulations. A total of \$1,423,697 was redeemed in Eau Claire County during 2011 with WIC drafts. Please see the following chart for food dollars redeemed at area grocery stores and pharmacies. The WIC Program appreciates the continued support of the area vendors. The combination of nutritious supplemental foods and nutrition education within the WIC Program continues to have a positive impact on the health of children.

**WIC FOOD DOLLARS REDEEMED AT VENDORS IN EAU CLAIRE COUNTY
January 1 – December 31, 2011**

Vendor Name	Dollars Redeemed
Ameriental Food Store	\$56,951
Community Co-op – Fairchild	4,007
Festival Foods	104,105
Gordy’s County Market, Augusta	29,739
Gordy’s County Market, Birch Street	185,713
Gordy’s County Market, Hamilton Avenue	61,267
Hahn’s Market	8,387
Mega Foods East	97,861
Mega Foods West	187,527
Ron's Castle Foods	52,958
Supermercado Sandoval	32,432
Target	50,141
Walgreens – Clairemont Avenue	1,637
Walgreens – Hastings Way	10,968
Walmart	540,004
TOTAL	1,423,697

WIC Outreach

The Health Benefits Specialist continues to work with the WIC Director to promote the WIC Program throughout Eau Claire County. The following avenues were utilized in 2011 for WIC outreach:

- Brochures and posters provided to UW-Health, Luther Midelfort and Marshfield Clinics; Community Table; Apple Pregnancy Center; ECASD High School Nurse Consultants; Catholic Charities; Western Dairyland; McMillian, Fall Creek, Altoona and Augusta libraries.
- Presentations on available Health Department services to UWEC Nursing Students; AmeriCorps VISTA students working at Food Pantry; Apple Pregnancy Volunteers; CVTC students; Grandparents as Parents Support Group; Affinity House; Residency Conference – Sacred Heart Hospital
- WIC Display at Campus Kitchen – UWEC; Augusta School District Early Childhood Days; Teen Parent Night – McKinley Charter School; ECASD, Altoona School District, Fall Creek School District Early Childhood Development Days; Valley Brook Church Community Day; August Back to School Ice Cream Social; Bolton House Day of Unity; Achive Wellness at YMCA; Second Touch Clinic at Bethesda Lutheran Church; Head Start Dance at North High School
- Print ads in Family Times; Senior Review; Leader Telegram Supplement; Child Care Directory; Tri-County Advisor
- Spanish brochures to UW-Health Family Medicine Clinic & Supermercado Sandoval; Spanish WIC Outreach display at Latino Community Event
- Monthly “Birth” day cards to families of newborns

WIC PROJECTS

Breastfeeding Education and Support

The American Academy of Pediatrics has identified breastfeeding as the ideal method of feeding and nurturing infants, and has recognized breastfeeding as primary in achieving optimal infant and child health, growth, and development. The WIC Program continues to promote breastfeeding as best for baby, best for mom. In its third year, the Breastfeeding Peer Counselor program has shown a significant increase in contacts. In 2011, 294 women received contact by the Peer Counselor as compared to 2010 where 114 women received contact (an increase of more than 2.5 times).

All of the registered dietitians as well as the Peer Counselor have received certifications in breastfeeding (Certified Breastfeeding Educator, Certified Lactation Counselor, Certified Lactation Educator). All WIC staff (registered dietitians and support staff) are aware of their important role in the “WIC Team” which is to promote, protect and support breastfeeding.

“Feeding Your New Baby: A Very Personal Choice” Class

The WIC Breastfeeding Peer Counselor and Breastfeeding Coordinator developed this class as a new initiative for pregnant women to prepare for baby’s arrival. The class encourages breastfeeding through education and connection with resources for support. In 2011, 40 pregnant WIC participants plus their support people attended the class. Promotion efforts include flyers at medical clinics, mailed invitations to women due to deliver soon, telephone calls, referrals by staff providing Prenatal Care Coordination and notices published in the Family Times and Volume One. Class participants report increased knowledge and increased likelihood they will breastfeed following the class.

Prenatal Care Coordination

All pregnant women certified for the WIC Program (who are eligible for Medical Assistance) are assessed for enrollment into the Prenatal Care Coordination Program. Based upon the needs identified, women are then offered the option of clinic or home visit services. In the clinic setting, they receive in-depth nutrition counseling as well as nursing services offered in a team approach. If the home visit option is chosen, women receive nursing services in the home and nutrition counseling in the WIC office. The WIC dietitians completed a total of 494 risk assessments as well as 439 follow-up nutrition therapy sessions in 2011.

Lead Screening

Blood lead screening was offered to children at ages one and two years in the WIC Program. A total of 1,209 children received blood lead screening from their physician or the WIC Program. 711 (59%) of the screenings were completed in the WIC Program during 2011.

Kids Ride Safe Project

The WIC program partnered with Chippewa Valley Safe Kids for a third year to continue the Kids Ride Safe project. A \$4,000 Department of Transportation grant, which was written by the WIC Director, funded this project. It targeted women who were pregnant and enrolled in WIC and offered education on transporting children safely as well as a convertible car seat. In 2011, 72 seats were distributed to families in need who would otherwise be unable to access car seats for the safety of their infants.

Shopping Matters Grocery Store Tours

The Department's WIC program partnered with Gordy's County Market to conduct *Shopping Matters* grocery store tours for WIC families. This has been a meaningful addition to the nutrition education that WIC provides. Two Gordy's County Market locations participated, hosting a total of nine tours, which reached 47 WIC families. During the tour WIC families are given the hands on opportunity to make healthy choices while shopping on a limited budget. Educational materials are developed by Share Our Strength, a national non-profit organization working towards ending childhood hunger. Tours will continue in 2012.

COMMUNITY HEALTH EDUCATION

Alliance for Substance Abuse Prevention in Eau Claire County (ASAP)

The mission of ASAP is to improve the lives of children, youth and adults by mobilizing communities in Eau Claire County to reduce alcohol, tobacco and other drug abuse through prevention and treatment. The Alliance, which was formed in 2002 (as the Consortium for Substance Abuse Prevention), completed a strategic plan in 2009, which resulted in the following six prevention and treatment priorities: 1) underage drinking (12-17 year olds); 2) underage drinking (18-20 year olds); 3) high-risk drinking (18-25 year olds); 4) tobacco use; 5) other drug use; and 6) early intervention and treatment.

The Alliance changed its name this year from the Consortium and developed a webpage to include information on all priority areas – www.getinvolvedASAP.org. Social media platforms were also utilized.

Two multi-year grants were awarded to the Alliance to support capacity-building efforts and reduce alcohol and tobacco use among youth. Two part-time positions, Community Advocacy Director and Program Assistant, are supported by these grants. The City-County Health Department serves as the fiscal agent for the 3-year Strategic Prevention Framework State Incentive Grant, obtained through the Wisconsin Department of Health Services. The Eau Claire Area School District serves as the fiscal agent for the 5-year Drug Free Communities Grant, obtained through the U.S. Department of Health and Human Services.

Reality Check 21 Partnership

The Reality Check 21 Partnership to reduce underage drinking (UAD) was supported by three funding sources in 2011 (two federal grants described above and DPI funding). This funding supports the Reality Check 21 Partnership Coordinator and Youth Advocacy Advisor positions.

Community Action Teams in Augusta, Altoona, Fall Creek and Eau Claire engage local community members in efforts to reduce youth access to alcohol. Each team typically meets monthly to assess local policies and conduct awareness-building campaigns.

The Municipal Alcohol Policy Team brings leaders, law enforcement and community members together to discuss how to improve the local alcohol environment through policy and practice changes. This team also assists in educating policymakers and the community about the impact of proposed policies on underage drinking.

Parents and other adults received educational information about underage drinking issues through newsletters and other venues. The third newsletter of a three-part series was sent to over 14,000 households in Eau Claire County on the Solutions to Underage Drinking.

The Parents Connecting Directory was piloted this winter in three of the five Eau Claire County school districts. The Directory is a way for parents to connect and keep teens safe. Youth report that they drink most often at home or a friend's home. Together, parents can reduce the chances of teens getting alcohol from their homes. To join, parents sign a commitment form pledging to not allow anyone under the age of 21 to drink alcohol in their home or on their property. In 2011, 376 families joined the Parents Connecting Directory and a plan is in place to take the project countywide in 2012.

The *Parents Who Host Lose the Most* campaign was conducted for the third year throughout Eau Claire County to convey the health, safety and legal consequences of underage drinking. This year's theme, "Could youth be drinking in your home?" was developed based on data from our youth reporting that they drink mostly at home or a friend's home and on weekends. Over 50 volunteers and 30 organizations assisted with distributing over 20,000 promotional pieces, such as yard signs, posters, and stickers, throughout the county.

Life of an Athlete is a program about excellence and healthy lifestyles in youth sports that focuses on top performance, helps athletes be injury-free, and increases community, school, and team pride. Over 40 school and community coaches, athletic directors, and administrators from across Eau Claire County attended *Life of an Athlete* presentations in Green Bay and Barron last spring and felt that the program would provide the information and tools needed to raise the level of performance among student athletes. In the fall, John Underwood, founder of the American Athletic Institute and *Life of an Athlete* program, was brought to Eau Claire County. John is a former NCAA All-American and coach of more than two dozen Olympians including World and Olympic Champions. John has studied the impact of alcohol and marijuana use on sports performance for more than a decade. Over 1100 parents and youth attended one of the four community presentations and the majority reported that the information would influence their behavior.

Six area SADD chapters (Students Against Destructive Decisions) from North, Memorial, Altoona, Augusta, Fall Creek and Regis actively worked to develop a peer-to-peer social marketing campaign to raise awareness in the school and community about the real-life and legal risks involved with underage drinking. The youth implemented their 2010/2011 campaign "*UAD...It's Just NOT Worth the Risk*" throughout the county. In October, SADD Club members were brought together along with their school advisors for the third annual day long training, "*Too many youth drink alcohol – but why?*" Eighty-six (86) youth attended the training, which was a collaborative venture between the schools, the Alliance for Substance Abuse Prevention and the Reality Check 21 Partnership. They learned about the 4 A's (available, acceptable, attractive and affordable) that contribute to underage drinking. Youth were empowered with the knowledge and skills to educate others and become advocates for change. Youth planned and conducted over 60 activisms to relay messages about underage drinking to their peers and adults.

Compliance Checks – Retail Establishments

The Eau Claire City-County Health Department began conducting tobacco compliance checks (CCs) in 2002 and alcohol CCs in 2004, in accordance with Wisconsin laws prohibiting the sale of alcoholic beverages and tobacco products to underage people. In partnership with our six law enforcement agencies, trained teams of 4 (2 adults and 2 buyers) investigate establishments that hold alcohol and/or tobacco licenses in Eau Claire County randomly throughout the year. Compliance check buyers are 16-17 years old for tobacco CCs and 18-20 years old for alcohol CCs.

Buyers carry their actual ID during the CC process and present it when requested. Servers and sellers do an excellent job asking for IDs but do a poor job of accurately checking IDs. The Eau Claire and Fall Creek Police Departments provide law enforcement led trainings for business owners/managers and employees to improve their compliance with the law. Over 40 employees representing eight establishments attended the trainings.

Compliance Checks – Community Festivals

The Eau Claire City-County Health Department has conducted compliance checks at Country Jam for six years. This year and last, only one sale was made to a compliance check underage buyer. The Reality Check 21 Partnership has worked with Country Jam organizers along with the Sheriff's Department to decrease youth access to alcohol at the event. Expanded education of staff and volunteers, increased signage, improved processes, and new policies adopted by Country Jam have had significant impact in preventing sales to underage buyers.

The Eau Claire City-County Health Department began conducting alcohol compliance checks at Country Jam in 2006, and the results weren't very good. But since that time, compliance has consistently increased, rising from 33% to 98%.

Outcome Data

A Pride Survey is conducted in Eau Claire County to help measure youth alcohol, tobacco and other drug use as well as the contributing factors. It is done every 2-3 years in the fall and is completed by 6th, 8th, 10th and 12th graders. This data allows us to monitor the Core Measures of drug use, identified by federal agencies as the most important indicators in measuring drug use and perceptions among youth.

The latest Eau Claire County Pride Survey was done in 2011. The following table provides trend data over the past ten years on the core measures of alcohol use among our youth. The data indicates that our strategies to reduce underage drinking in Eau Claire County are working.

Core Measures for Youth Alcohol Use in Eau Claire County

Core Measures		2001	2004	2007	2009	2011
#1 <u>Age of Onset</u> – The average age reported for first use of any alcohol	All	n/a	12.3	12.9	13.1	13.2
#2 <u>30-Day Use</u> – The percentage of youth reporting monthly alcohol use	MS HS All	7.6 38.2 22.8	5.7 36.2 19.2	3.8 32.0 17.1	3.4 26.8 14.2	2.6 22.8 12.4
#3 <u>Perception of Risk</u> – The percentage of youth who think beer is harmful/very harmful to their health	MS HS All	65.6 44.9 55.3	68.7 43.0 57.3	67.5 47.6 58.0	67.6 48.5 58.6	66.0 52.2 59.2
#4 <u>Availability</u> – The percentage of youth who report alcohol is fairly easy/very easy to get	MS HS All	Beer – 37.0 79.2 58.1	31.3 72.3 49.7	22.6 63.9 42.4	25.2 58.8 41.3	15.2 57.6 35.9
#5 <u>Perception of Peer Disapproval</u> – The percentage of youth reporting their friends would feel it is wrong/very wrong for them to use alcohol	MS HS All	n/a n/a n/a	65.4 33.7 51.2	86.1 35.1 61.7	85.0 38.4 62.8	87.4 41.1 64.8
#6 <u>Perception of Parental Disapproval</u> The percentage of youth reporting their parents would feel it is wrong/very wrong for them to use alcohol	MS HS All	n/a n/a n/a	80.0 80.3 80.1	89.5 71.9 81.1	89.7 73.3 81.9	90.8 76.9 84.0

ENVIRONMENTAL HEALTH AND CERTIFIED PUBLIC LABORATORY DIRECTOR'S REPORT

Environmental health is defined by State Statute Chapter 254 as the assessment, management, control and prevention of environmental factors that may adversely affect the health, safety or well being of individuals. The department's environmental health and laboratory staff are highly trained in environmental, public health and laboratory science to carry out these responsibilities.

City of Eau Claire – Hotel Investigations

The City of Eau Claire became aware of several health issues present at a local hotel. Pursuant to the identified issues, an intercity departmental committee was formed to outline and determine the appropriate steps to address the issue. This issue triggered other issues regarding tenants and long-term stays at hotels within the City of Eau Claire. The intercity team worked with local hotel operators and developed fact sheets for operators. These fact sheets were distributed to hotel operators with their annual license renewal. The intercity team was also involved in another hotel investigation and enforcement situation where the gas supply was cut-off for non-payment. The team worked together and issued letters and directives to address future issues. The operator has been compliant with the orders issued to date.

Water and Beach Safety

The local water safety project titled “Think Don’t Sink” was completed in 2011. The project was a cooperative effort between the Health Department and the Eau Claire North High School DECA students. The group developed a logo and a website. The website is: www.eauclairewi.gov/thinkdentsink.

The Health Department developed a real-time beach closing web page. This page is updated during the summer months, Memorial Day – Labor Day, with the updated closing information. The website is: www.eauclairewi.gov/beachstatus.

The Health Department provided information to the City of Eau Claire Parks Department regarding the increased numbers of geese and goose feces present at the Riverview Park beach area and the concern for public health and safety. Goose feces do carry a variety of human infectious agents, such as *Cryptosporidium* and *E. coli*. The City is working with the State and Federal Government on options for the removal of geese from the public beach.

Tickborne Disease Project

The Health Department worked with the UWEC-ENPH pest control students to identify and survey random properties within the City and County of Eau Claire regarding the increasing numbers of tickborne diseases identified in our County. The survey covered a broad range of demographics, such as property details and recreational activities, as well as knowledge and information about ticks and the spread of disease. The students surveyed 161 individuals. An Environmental Health intern with the Health Department compiled the information into a report. This report has been shared with the Infectious Disease Committee and will be further evaluated by an Epidemiology Intern with the Health Department for data analysis and conclusions.

Don’t Dump It – Donate It and Spring Move Out

The annual “Don’t Dump It – Donate It” event took place at the UWEC Water Street parking lot. Spring Move Out was held again the week around finals. Interfaith Hospitality and Hope Gospel Mission participated again this year to receive useable items. UWEC Student Senate worked with the Health Department to modify flyers and distribute information on and off-campus using Social Media and other University tools. This annual event is a collaborative effort, which includes environmental health staff members, the above-mentioned charitable organizations, Veolia Environmental Services, Waste Management, the Apartment Owners Association, City Streets, Police and Planning Departments, Historic Randall and Third Ward Neighborhood Associations, and UWEC University police, and Student.

Bed Bug Fact Sheets and Information:

In response to several media stories and requests for information, the Environmental Health Division created a series of fact sheets for the general public regarding bed bugs. These fact sheets were posted to our website at: www.eauclairewi.gov/bedbugs.

Community Development Block Grant (CDBG) Survey and Funding:

The CDBG housing survey was completed on April 18, 2011. An Environmental Health Intern that was a GIS student at the University created maps of the survey data which will be used for the Intensified Housing Code Compliance Program (IHCCP) at the Health Department. The goal of the program is to target the oldest housing stock within the City of Eau Claire, as well as low-income areas. Each year, the Department targets 150 properties for improvement using the City of Eau Claire Housing Code. In mid-2011, the approved Federal budget included a decrease in funding to the CDBG program areas. This resulted in less funding provided to the Health Department for inspections, which would result in approximately a 10% decrease in inspection services to the targeted areas.

Silica Sand Mining

The Health Department was one of four departments/committees identified to research the impacts of silica sand mining operations on the health, safety, and welfare of the residents of Eau Claire County. The Environmental Health Division has been working on this issue since the moratorium passed on November 16, 2011. Divisional staff have attended several informational meetings and conferences, as well as public and committee meetings. Recommendations from the Division will be provided to the Board of Health and the Eau Claire County Groundwater Advisory Committee for further review and recommendation to the County Board in 2012.

Courtenay Johnson, M.S., R.S.
Director of Environmental Health

ENVIRONMENTAL HEALTH AND CERTIFIED PUBLIC HEALTH LABORATORY

Environmental Health/Laboratory Programs:

- Food Protection
- Environmental Communicable Disease Investigations
- Housing and Property Maintenance and Hygiene
- Childhood Lead Poisoning Prevention
- Drinking Water Protection
- Rodent, Insect, Rabies and Vector Control
- Private Onsite Wastewater Disposal
- Environmental and Recreational Sanitation
- Human Health Hazards and Solid Waste
- Air Pollution Control
- Radiation Protection
- Emergency Preparedness

Overarching Environmental Health Goals/Objectives:

- Assure protection from the spread of communicable diseases through food, water, and rodents/insects.
- Assure that the public is provided housing that is safe and adequate for the protection of the public's health, safety and general welfare.
- Assure that the public is provided a safe water supply that is protected from organic and inorganic chemical contamination.
- Assure the proper treatment and disposal of wastewater to prevent human health hazards, water pollution, drinking water contamination and the spread of communicable diseases.
- Assure protection from injury and disease at facilities such as schools, beaches, pools, body art facilities, campgrounds, lodging facilities, massage therapy facilities, and manufactured home communities.
- Assure proper storage, collection, transportation and disposal of solid waste to protect health and safety.
- Protection from radiation and radioactive materials, devices, and products.
- Assure that children live in lead-safe environments.
- To reduce the exposure to air contaminants.

FOOD PROTECTION

Purpose/Goals: (1) To assure that the public is adequately provided with food that is safe, clean, wholesome and sanitary and (2) To assure that the public is protected from the unnecessary spread of communicable diseases through food.

Program Description: Administer state and local regulations governing food service facilities. Conduct inspections of food service establishments and require correction of violations. Collect and test food samples to assess for food contamination using standard plate count (SPC) and coliform, which directly correlate with sanitation deficiencies. Conduct epidemiological investigations of suspected and confirmed foodborne illness cases and outbreaks. Provide consultation and information to the public and food service workers on food safety.

Food Service Inspection Program

State agent agreements require minimum annual inspections of licensed establishments; additionally, the department's inspection frequency policy is based on risk assessment. Risk assessment links the number of critical violations to the frequency of inspection. Critical violations are defined in the Wisconsin Food Code as "those most likely to result in foodborne illness". Inspections are conducted using an inspection form that separates violations into critical and non-critical categories. This allows the inspection report to be used as an effective tool that focuses the establishment operator on correcting problems within the establishment that are more likely to cause human illness or food contamination. Reinspections are conducted to confirm that all critical violations have been corrected. If critical violations still remain after the initial reinspection, a fee is assessed for each additional reinspection required to ensure compliance.

Education of food service establishment staff is an important factor in achieving compliance with the Wisconsin Food Code. At least one employee of the food service establishment must be certified in food service sanitation. Courses are offered through the Wisconsin Restaurant Association and the Tavern League of Wisconsin. Those individuals who pass the course examination are then able to obtain certification through the Wisconsin Department of Health Services.

Restaurants/Taverns/Vending Machines

As an agent of the Wisconsin Department of Health Services, the department conducts inspections of licensed food service establishments (restaurants, temporary restaurants and vending machines). Additionally, the Board of Health has adopted regulations requiring routine annual licensing and inspection of beverage service establishments (taverns). In addition to temporary restaurant rules enforced using the Wisconsin Food Code, the City of Eau Claire also requires an itinerant (temporary) restaurant license. Food program staff routinely inspect temporary restaurants at special events throughout the year. The majority of the events take place during the months of summer and early fall. Some events include Country Jam, Taste of Eau Claire, Festival in the Pines, International Fall Festival, Hmong New Year, and many other smaller venues. Application forms are sent to the temporary restaurant operators and consultations are frequently given prior to the events. Temporary restaurants are inspected for compliance with the Wisconsin Food Code with an emphasis placed on critical violations.

Restaurant/Tavern/Temporary Food/Vending Licenses and Inspections							
	2011	2010	2009	2008	2007	2006	2005
Total Number of Licensed Restaurants/Taverns	321	308	303	304	310	291	293
Routine Inspections - Restaurant/Tavern	447	297	327	389	325	395	357
Reinspections - Restaurant/Tavern	268	219	226	282	212	266	205
Investigations - Restaurant/Tavern	61	63	81	85	125	194	155
New Restaurant/Tavern Licenses	9	13	12	7	12	10	9
Change of Ownership - Restaurant/Tavern	15	12	21	18	17	26	26
Discontinuation of Operation - Restaurant/Tavern	10	8	8	8	13	8	6
Temporary Restaurant Licenses Issued	232	270	251	246	235	203	176
Temporary Restaurant Inspections (inc. reinspections)	139	61	130	114	89	114	69
Vending Machine Vendors	3	5	3	5	4	3	3
Vending Machine Inspections	98	103	67	136	141	104	109
Total Number of Inspections (all types):	1,013	743	831	1,006	892	1,073	895
Total Number of Licensed Facilities (all types):	232	578	554	550	545	494	469

Retail Food

As an agent of the Wisconsin Department of Agriculture Trade and Consumer Protection (DATCP), the Department conducts routine annual inspections of licensed retail food establishments (e.g. grocery stores, convenience stores, coffee shops, etc.). These establishments are routinely inspected once annually and more frequently as needed. Reinspections are conducted as needed to obtain compliance with cited critical violations. Samples of ground beef, cold cuts, deli foods and swabs of food preparation equipment are collected at regular intervals by environmental health staff, providing a comprehensive evaluation of sanitary conditions in processing retail food establishments. These results are summarized in the “Laboratory Food and Beverage Sampling Program” section of this report.

Retail Food Licenses and Inspections							
	2011	2010	2009	2008	2007	2006	2005
Total Number of Active Licenses	126	138	142	136	124	117	109
Active Processing Licenses	111	113	118	113	108	91	88
Active Non-Processing Licenses	15	25	24	23	16	26	21
Routine Inspections	151	162	155	169	145	164	146
Reinspections	56	62	43	51	58	51	63
Investigations	43	51	39	50	18	55	29
New Retail Food Processing Licenses	10	18	10	21	25	16	12
New Retail Food Non-Processing Licenses	1	2	1	9	2	10	3
Discontinuation of Operation	22	15	8	15	18	15	7
Retail Food Complaints	5	3	21	9	12	20	2
Total Number of Inspections (all types):	250	275	237	270	221	270	238

Food Inspection Data

Food Establishment Awards

On July 01, 2003, the Department began to issue awards to restaurants that had *two consecutive* routine inspections with no critical violations. This year, the following locations received the award:

Establishment Name	Location		Establishment Name	Location
AFC Sushi			Burrachos	Prill Rd.
Coldstone Creamery			Fireside Bistro	
Great Harvest Bread			Mancinos	Clairemont
Mancinos	Commonwealth		Subway	Hillcrest Pky
Subway	Augusta, WI		Subway	Gateway Dr
Subway	Golf Rd		Subway	Henry St
Subway	Highland Av		Subway	Jeffers Rd
Subway	N. Clairemont		Subway	Water St
Wal-Mart				

Restaurants with 5 OR MORE critical violations on a Routine Inspection

The following table lists the total number of restaurants with five or more critical violations on at least one routine inspection. These numbers include duplicated establishments, meaning, if the same establishment had more than one inspection with five or more critical violations, they will appear more than one time.

5 or more Critical Violations on a Routine Inspection						
2011	2010	2009	2008	2007	2006	2005
44	34	35	39	29	55	48

The below table shows the restaurants with five or more critical violations on at least one routine inspection:

Establishment	#	Date	Establishment	#	Date
GREEN MILL RESTAURANT	10	09/21/2011	UWEC DAVIES CENTER	6	10/20/2011
CANCUN MEXICAN RESTAURANT - HIGHLAND AV	9	12/17/2011	VFW POST 305 - RIVERVIEW DR	6	02/01/2011
ASIA PALACE	8	03/08/2011	WHISKEY GRILL AND BAR	6	03/04/2011
MILWAUKEES BEST BURGERS	8	10/25/2011	ARBY'S - HENDRICKSON DR	5	09/19/2011
OBSESSIONS CHOCOLATE LOUNGE AND CAFÉ	8	03/30/2011	ASIAN CAFÉ	5	12/13/2011
OBSESSIONS CHOCOLATE LOUNGE AND CAFÉ	8	11/09/2011	BURGUNDYS	5	04/07/2011
AMERICAN TABLE RESTAURANT	7	01/12/2011	CULVERS - BRACKETT AVE	5	06/28/2011
AMERICAN TABLE RESTAURANT	7	07/07/2011	EMPTY POCKETS BAR AND CAFÉ	5	02/22/2011
CHICK-A-DEES FAMILY RESTAURANT	7	04/18/2011	EXIT 59 FAMILY RESTAURANT	5	07/28/2011
EXIT 59 FAMILY RESTAURANT	7	06/27/2011	GOLDEN SPIKE	5	03/02/2011
FUJI SUSHI & STEAKHOUSE	7	03/10/2011	MAPLE LOUNGE & CAFÉ	5	09/08/2011
GREAT WALL BUFFET	7	12/27/2011	METROPOLIS HOTEL & WATER PARK	5	01/04/2011
JADE GARDEN	7	01/10/2011	MOM'S KITCHEN	5	06/15/2011
SACRED HEART HOSPITAL	7	06/21/2011	NORSKE NOOK/NORTHWOODS BREWPUB	5	08/22/2011
BROADWAY PIZZA	6	07/07/2011	NORSKE NOOK/NORTHWOODS BREWPUB	5	09/22/2011
GALLOWAY GRILLE	6	01/11/2011	PERKINS RESTAURANT AND BAKERY	5	12/06/2011
GIRALOMOS' COURT N HOUSE	6	10/20/2011	SAMBONEYS'	5	06/28/2011
GREEN MILL RESTAURANT	6	10/27/2011	SAMMY'S PIZZA RESTAURANT AND PUB	5	11/15/2011
GRIZZLY'S	6	02/14/2011	SHANGHAI BISTRO	5	04/20/2011
SHERWOOD INN	6	12/15/2011	UWEC RIVERVIEW HILLTOP CAFETERIA	5	09/27/2011
STIR FRY 88	6	10/03/2011	WESTGATE SPORTSMANS CLUB	5	01/19/2011
TACOS JUANITA	6	11/10/2011	WIGWAM TAVERN	5	12/28/2011

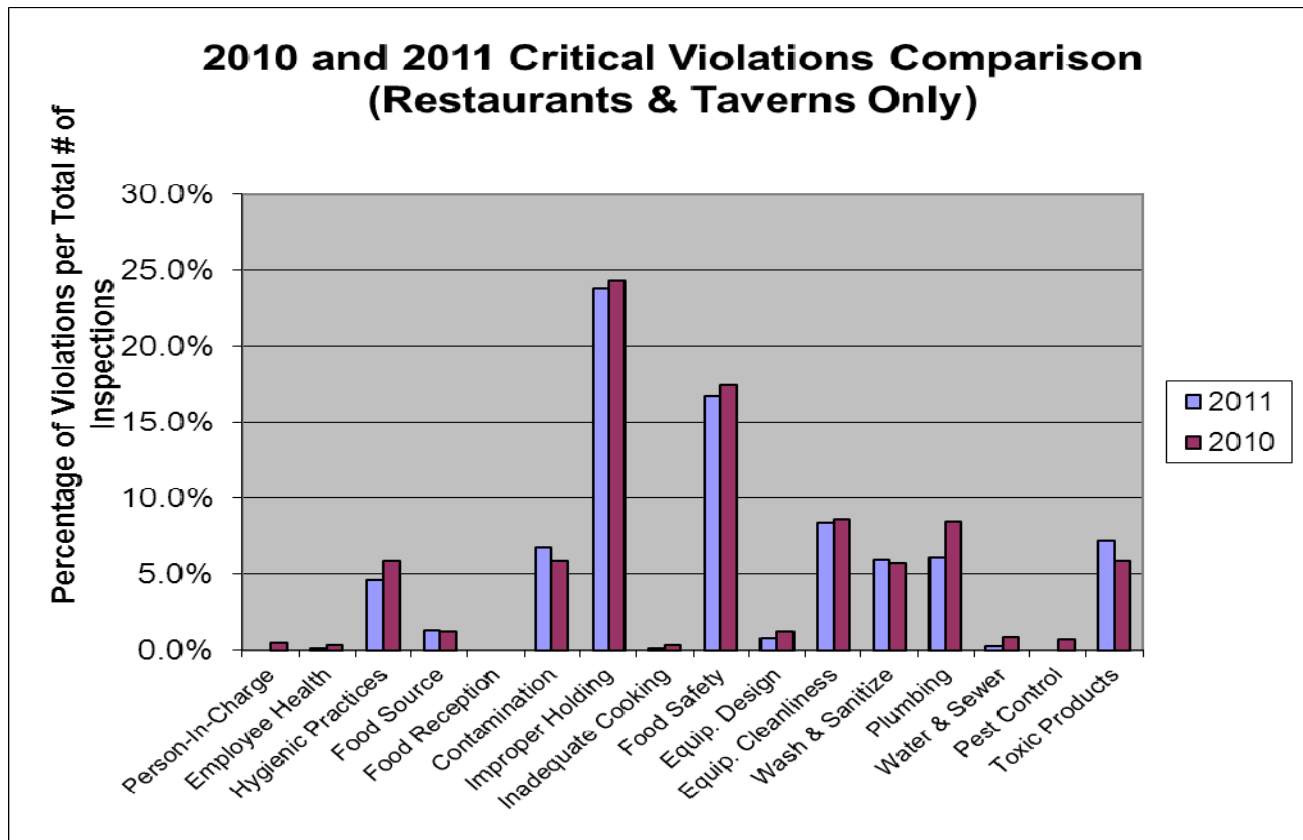
Critical Violations Summary

The Health Department strives for continued improvement of critical violations within licensed restaurants. Unfortunately, restaurant and tavern staff turnover and management changes result in a continuous cycle of education and repeat violations. Some activities our department has developed to reduce the number of critical violations include numerous educational and enforcement activities such as an annual 'Food Facts Newsletter', refrigeration temperature logs, risk control plans, enforcement letters and citations.

The following table summarizes the total number of critical violations from restaurants and taverns.

Critical Violations Summary						
Violation Category	Violation Numbers					
	2011	2010	2009	2008	2007	2006
1. Person in Charge	0	3	2	0	0	3
2. Employee Health	1	2	1	1	0	1
3. Hygienic Practices	36	34	39	36	35	61
4. Food Source	10	7	7	8	5	6
5. Food Reception	0	0	0	0	0	0
6. Contamination Protection	56	34	47	60	46	48
7. Improper Holding	185	141	168	166	152	141
8. Inadequate Cooking	1	2	1	0	0	4
9. Food Safety	130	101	134	142	125	109
10. Equipment Design	6	7	7	12	17	65
11. Equipment Cleanliness	65	50	51	87	62	114
12. Wash & Sanitize	46	33	47	45	36	64
13. Plumbing	47	49	29	55	51	33
14. Water & Sewer	2	5	2	5	3	8
15. Pest Control	0	4	4	10	7	5
16. Toxic Products	56	34	45	71	58	78
Total Critical Violations:	641	506	584	698	597	740
Total Inspections:	776	579	634	756	662	855
Percent of Violations/Inspection:	82.60%	87.39%	92.11%	92.33%	90.18%	86.55%

The following graph illustrates the average number of violations per total number of inspections for Eau Claire County food and beverage service establishments. This data provides a basis for identifying problem areas, measuring changes and developing strategies to reduce the number of critical violations.



School Food Program

The Child Nutrition Reauthorization Act of 1998 requires annual mandatory health inspections of all school food service facilities participating in the National School Lunch and/or Breakfast Programs. This federal law requires a state or local governmental agency responsible for food safety to conduct the inspections annually through Section III of the Child Nutrition and WIC Reauthorization Act of 2004. Congress decided that beginning July 1, 2005, each school participating in the National School Lunch or Breakfast Programs must obtain at least two safety inspections each school year. In addition, schools must post, in a publicly visible location, a report on the most recent food safety inspection and provide a copy of the food safety inspection report to the public upon request.

Schools participating in the National School Lunch or Breakfast Programs are required to comply with a HACCP (Hazard Analysis Critical Control Point) system established by the Secretary of Agriculture. Several HACCP training sessions have been offered jointly through DHFS and DPI throughout the state. The majority of the school districts have developed or are in the process of developing their HACCP programs. Additional staff time was spent advising school staff in HACCP implementation.

Inspections are conducted at public and private elementary, middle and high schools in Eau Claire County. All public and private schools that participate in the National School Lunch and/or Breakfast programs are inspected twice a year, and non-participants are inspected annually. The entire facility is evaluated for general safety and maintenance, and inspections are usually performed near lunchtime to evaluate food handling techniques and kitchen sanitation in the same inspection. Private wells and septic systems are also inspected for rural schools. Violations are noted on the inspection sheets and copies are sent to the school administration for each school building. Consultation takes place at the time of the inspection to ensure that potentially hazardous conditions are understood and corrected.

School Food Service							
	2011	2010	2009	2008	2007	2006	2005
Total Number of Schools	32	32	32	32	34	34	35
Routine Inspections	64	64	64	66	68	64	47
Reinspections	1	7	3	2	0	4	10
Investigations	3	0	0	1	0	1	0
Total Number of Inspections (all types):	68	71	67	69	68	69	57
General Violation Areas							
Kitchen equipment and sanitation	10	8	7	10	8	30	33
Food handling and protection	5	11	13	9	6	9	12
Toilet rooms, drinking fountains & locker rooms	24	23	22	23	17	17	29
Maintenance	4	5	6	1	3	4	6
Playground equipment maintenance	6	5	11	4	4	5	4
Total Violations:	49	52	59	47	38	65	84
Average Violations per Inspection:	0.72	0.73	0.88	0.68	0.56	0.94	1.47

Laboratory Food and Beverage Sampling Program

Food samples and food preparation surface swabs are periodically collected from food/beverage service establishments within the City and County of Eau Claire for laboratory analysis using standard plate count (SPC) and coliform testing. The results are used to help identify possible sanitation deficiencies in these establishments. If results indicate sanitation deficiencies, an environmental health specialist works with the establishment and the operators to identify problems and to correct any deficiencies.

Bacteria standards have been adopted as part of state and local regulations for ice cream products, milk products and ground meat. These products are sampled and tested on a periodic basis to assess compliance with these standards. Failure to meet the bacteria standards can result in an order from the Health Department that requires sale of the product to be discontinued. Establishments with deficiencies receive evaluations and recommendations by Health Department environmental health specialists regarding storage, handling, temperature maintenance, cleaning, sanitizing and rotation of products exceeding bacteria standards.

Bacteria standards have not been adopted for restaurant foods, cold cuts, sandwiches, deli products, ice, sodas or food/preparation surface swabs. Bacteria counts for these products are used as a guideline to indicate possible sanitary deficiencies. Environmental health staff will conduct on-site evaluations where test results indicate sanitary deficiencies may exist. Recommendations such as storage, handling, temperature maintenance, product rotation and sanitation are discussed with management to correct possible problems and follow-up sampling and testing is done to assess improvements.

**Note:* The percent of samples exceeding bacteria standards or guidelines in the following tables can be biased to a higher percent by the number of repeat samples tested to achieve correction of a specific problem.

Sample Type: Cold Cut, Retail Deli Foods and Sandwiches			
	Coliform Guideline		
Year	Total # Samples	# Exceeding	% Exceeding Standard
2011	406	25	6.16%
2010	393	33	8.40%

Sample Type: Hamburger Samples						
	SPC Standard			Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	80	4	5.00%	80	11	13.75%
2010	58	3	5.17%	58	6	10.34%

Sample Type: Restaurant Food						
	SPC Guideline			Coliform Guideline		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	23	9	39.13%	212	18	8.49%
2010	20	1	5.00%	88	12	13.64%

Sample Type: Food/Preparation Surface Swabs						
	SPC Guideline			Coliform Guideline		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	223	36	16.14%	223	10	4.48%
2010	71	4	5.63%	71	0	0.00%

Sample Type: Milk Dispensers						
	SPC Standard			Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	123	23	18.70%	123	6	4.88%
2010	103	6	5.83%	103	13	12.62%

Sample Type: Soda and Beer (Retail Food Establishments, Restaurants, and Taverns)						
	SPC Guideline			Coliform Guideline		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	224	24	10.71%	223	37	16.59%
2010	91	6	6.59%	91	7	7.69%

Sample Type: Ice (Retail Food Establishments, Restaurants, and Taverns)						
	SPC Guideline			Coliform Guideline		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	138	1	0.72%	139	3	2.16%
2010	12	1	8.33%	12	1	8.33%
	Colilert					
	Total # Samples	# Exceeding	% Exceeding Standard			
2011	136	25	18.38%			
2010	11	2	18.18%			

Sample Type: Soft Freeze and Premixes						
	SPC Standard			Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	923	47	5.09%	962	154	16.01%
2010	832	54	6.49%	860	108	12.56%

Sample Type: Ice Cream						
	SPC Standard			Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	44	0	0.00%	46	2	4.35%
2010	31	0	0.00%	31	0	0.00%

Sample Type: Pasteurized Milk (Retail Stores)						
	SPC Standard			Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard	Total # Samples	# Exceeding	% Exceeding Standard
2011	297	13	4.38%	296	6	2.03%
2010	243	20	8.23%	243	6	2.47%

Sample Type: Retail Bottled Water			
	Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard
2011	10	0	0.00%
2010	8	0	0.00%

Sample Type: Cottage Cheese, Dips, Sour Cream			
	Coliform Standard		
Year	Total # Samples	# Exceeding	% Exceeding Standard
2011	33	0	0.00%
2010	29	0	0.00%

Department of Agriculture Trade and Consumer Protection (DATCP) Food Sampling

In addition to sampling and analyzing food samples in our local certified public health laboratory, the Department will occasionally conduct special project sampling as assigned by DATCP for specific contaminants. A special project assigned in 2011 included soft serve ice cream for coliform and Petrifilm Aerobic Count (PAC). Two (2) samples were collected with one (1) exceedence.

The department also collects retail food equipment swab samples under the DATCP Agent Agreement. These samples are shipped to the Bureau of Laboratory Services in Madison, Wisconsin and are routinely tested for the presence of *Listeria monocytogenes*.

DATCP <i>Listeria monocytogenes</i> Equipment Swabs		
Year	Total # Samples	# Exceeding
2011	30	0
2010	33	0
2009	34	0
2008	30	0
2007	61	0
2006	29	0

License Review Committee

A representative of the Health Department takes part in the City of Eau Claire License Review Committee, which reviews applications for liquor licenses. The committee makes recommendations to the City Council whether or not the license should be granted.

Food Complaints

Environmental Health Specialists investigate food-related complaints received by this department. Complaints received include a variety of topical areas. The investigated complaints by topic area can be seen in the following table.

Food Service Complaints			
	2011	2010	2009
Foreign Objects	0	2	7
Labeling	3	0	1
Food Quality	17	18	25
Product Tampering	0	0	1
Facility Cleanliness	13	19	12
Pest/Insect/Vermin Issues	3	5	6
Service-related	6	11	19
Other/Miscellaneous	14	9	17
Total Number of Inspections (all types):	56	64	88

Note: These data include duplicate data, as a complaint may include more than one of the above.

ENVIRONMENTAL COMMUNICABLE DISEASE INVESTIGATIONS

Communicable Disease Committee

New in 2008, this committee was formed as a result of the Department's 2007-09 Strategic Plan. The committee worked on establishing a system for inter-office communication, follow-up, and review of communicable diseases that crossover between nursing and environmental health. Environmental Health staff investigate confirmed cases of reported communicable diseases that have an environmental health component.

Communicable Disease Reviews			
2011	2010	2009	2008
80	75	28	26

This committee investigated several confirmed cases of a like communicable disease, all of which were diagnosed within 10 days of each other. There appeared to be a link to recreational swimming activities as a local swimming beach had elevated bacteria levels during this time period. Beach sand was also analyzed and found elevated levels of the bacteria. It is possible the illnesses originated from the beach; however, the link was not confirmed. The elevated water levels did not meet the threshold for closure.

Foodborne Illness Investigations

Environmental Health Specialists respond to reports of suspected foodborne illness in the community on a routine basis. An extensive food history is taken, and all suspect locations are investigated (if licensed by the department). Consultation is also provided to complainants that have general concerns regarding foodborne illness.

Foodborne Illness Activities							
	2011	2010	2009	2008	2007	2006	2005
Foodborne Illness - Investigations	7	11	11	10	18	23	8
Foodborne Illness - Reports of Illness	13	11	11	16	26	36	25
Foodborne Illness real or suspected outbreaks	0	0	0	0	0	0	0

HOUSING

Purpose/Goals: To assure that the public is provided housing that is safe and adequate for the protection of the public's health, safety and general welfare.

Program Description: Administer the City of Eau Claire, Altoona, Augusta, Fall Creek, Town of Seymour, and Town of Union Housing Maintenance and Occupancy Codes. Enforce provisions of the County Sanitary Code that address health hazards created by unsanitary or unsafe housing conditions. Administer and enforce the State of Wisconsin manufactured home community rules as an agent of the state. Conduct inspections, reinspections and investigations in response to complaints or other agency referrals. Conduct a proactive Intensified Housing Code Compliance Program in an area of the City of Eau Claire as defined by the Community Development Block Grant target area. Provide assessment of community housing conditions. License and conduct annual inspections of roominghouses (dwelling units with more than four unrelated occupants). Conduct collaborative investigations, inspections and activities with other City and County agencies regarding community housing issues.

Housing Code Enforcement

The Housing Maintenance and Occupancy Code is an Eau Claire City Ordinance and has also been adopted by Altoona, Augusta, Fall Creek, Fairchild, and the Townships of Seymour and Union. It is used as an enforcement tool in annual inspections of licensed roominghouses, inspections of other properties on a complaint basis and for the Intensified Housing Code Compliance Program (IHCCP). The code is also used as a guideline on inspections for City Housing Assistance Programs, the County Department of Human Services (referrals regarding sanitary conditions and neglect cases), and for inspections of houses in areas of the county which do not have a housing code. Follow-up inspections and reinspections are conducted to achieve compliance with the code.

Housing Activities Summary (*Includes IHCCP)					
	2011	2010	2009	2008	2007
Rooming House Licenses	146	147	147	147	153
Rooming House Inspections	146	147	151	151	150
Rooming House Reinspections	162	190	209	196	253
Complaint Inspections/Investigations	335	269	292	284	246
Complaint Reinspections	980	824	807	752	827
IHCCP Inspections and Investigations	144	196	202	221	240
IHCCP Reinspections	541	651	663	732	736
Housing Advisory Board Meetings*	0	1	1	1	1
Dwelling Units Placarded as Unfit *for Occupancy	45	53	51	76	42
Total Housing Consultations*	3581	3587	3339	3650	3792
Citations Issued *	41	45	46	30	42
Total Inspections and Reinspections*	2343	2273	2324	2336	2452

Bed Bugs

See the “Rodent, Insect, Rabies and Vector Control” section of this report.

Roominghouses

A roominghouse is a dwelling unit that is occupied by more than four unrelated occupants. All roominghouses in the City of Eau Claire and Altoona are required to have a current operating license, issued by the Health Department. Roominghouses are inspected annually to determine compliance with the provisions of the Housing Code and State/Federal laws.

Intensified Housing Code Compliance Program (IHCCP)

This program involves a systematic housing inspection effort in the Community Development Block Grant (CDBG) Target Areas in the City of Eau Claire. Exterior conditions of individual properties within the strategy areas are surveyed block by block to determine properties needing a complete inspection. An exterior housing survey was conducted during 2010-11 to re-evaluate block (housing) conditions within the City of Eau Claire CDBG target area. Each dwelling was rated according to the number of structural defect points (areas of deterioration) noted on the exterior of that property and then each block was rated according to the percent of dwellings present in that block with more than four structure defect points. The 2010-11 survey was implemented using new Geographic Information System (GIS) software and a Global Positioning System unit to survey the CDBG target area residences. This new technology allowed for one individual to conduct the survey while immediately collecting and applying the data to the City parcel map.

The program design continues to be effective in identification of the more significantly deteriorated dwellings in Eau Claire by using an objective means to assess the property conditions. The inspections have identified many significant interior health and safety hazards, have improved block conditions due to exterior maintenance and have helped to eliminate insect and rodent harborage by enforcement of proper garbage storage and disposal. Reasonable compliance has been achieved as indicated by the increased number of houses with all cited violations being completely corrected, and other properties in various stages of completion. There were no petitions made to the Housing Advisory Board. A continued policy to first notify the owner of a property of a pending inspection and then to establish a joint inspection appointment is felt to be a major factor in the small number of Housing Advisory Board appeals. Conducting inspections with the property owner present reduces confusion of required corrections and also increases effective use of staff time. Issuing citations in instances of non-compliance is done in an effort to achieve improved compliance within reasonable time periods.

The program has proven quite successful in initiating and obtaining property improvements. Major factors that have contributed to this success and need to be continued are: 1) the participation and support of the neighborhood organizations in the progress of the Intensified Housing Code Compliance Program and their input for assessing program priorities; 2) the financial assistance available through the City of Eau Claire’s block grant rehabilitation programs; and 3) the policy to first notify owners of properties targeted for inspections and then setting up a joint inspection. The following ‘Field Activity Summary’ compares the last four year’s data collected for the IHCCP program.

Intensified Housing Code Compliance Program – Field Activity Summary

CDBG TARGET AREA
INSPECTIONS

	2011	2010	2009	2008	2007
A. Inspections:					
1. Dwellings Inspected	168	153	146	157	151
a. Renter-occupied	147	132	112	116	126
b. Owner-occupied	19	19	31	41	22
c. Owner and renter occupied	2	2	3	0	3
2. Dwelling Units contained in 168 dwellings	191	188	170	162	176
3. Total Inspections	822	839	860	887	912
a. Initial Inspections	191	188	170	162	176
b. Reinspections to assess compliance	631	651	690	725	736
4. Complaint Investigations (specific problems - not complete inspections)	63	43	54	56	9
B. Enforcement Actions:					
1. Compliance Orders Issued	254	231	224	218	185
2. Citations Issued	30	45	31	19	12
a. Property Owners Cited	14	27	19	13	11
b. Separate Properties Cited	14	29	19	14	9
3. Housing Advisory Board Hearings	0	0	0	0	0
4. Inspection Warrants	1	0	0	1	0
5. Dwelling Units placarded as unfit for habitation	11	16	14	21	10
C. Housing Orders compliance (1980-2011):					
1. Total Number Inspected	3681	3490	3302	3274	3117
2. Houses completed	3551	3370	3167	3132	2968
3. Houses in progress	130	120	135	142	149

IP = In Progress

2011 - 69 of the 168 inspections were done in response to complaints.

2010 - 62 of the 153 inspections were done in response to complaints.

2009 - 64 of the 146 inspections were done in response to complaints.

2008 - 65 of the 157 inspections were done in response to complaints.

2007 - 43 of the 151 inspections were done in response to complaints.

Human Services Investigations

Joint investigations are conducted in conjunction with the Eau Claire County Department of Human Services. These investigations are often more complex, dealing with such issues as unsanitary living conditions, health and safety concerns for children and elderly persons, economic problems as well as housing code violations. Resolution of these cases often involves working with landlords, family members and staff from both agencies.

Human Services Joint Investigations						
2011	2010	2009	2008	2007	2006	2005
26	33	45	48	49	29	28

Interagency Agreement for the Investigation of Dangerous Living Conditions

An interagency agreement for the investigation of dangerous living conditions was signed by seven City of Eau Claire and County agencies in 1993. The agencies signing the agreement are the City Police Department, City Fire Department, City Community Development Department, City Attorney's Office, County Department of Human Services, Corporation Counsel's Office and the City-County Health Department.

Dangerous living conditions are those in the home environment which are hazardous, unsanitary or situations where the competency of an individual is such that occupants' lives are seriously threatened. The purpose of the interagency agreement is to establish a protocol and team for appropriate city and county agencies to collectively address those problems in a timely and coordinated manner. This team approach has proven beneficial to solving multi-disciplinary and complex housing related problems.

- 14 incidences of dangerous living conditions were investigated and addressed by one or more of the team members in 2011.

Manufactured Home Communities

Manufactured Home Communities in Eau Claire County are licensed and inspected as an agent of the Wisconsin Department of Commerce and the Board of Health Manufactured Home Community regulation. Additional investigations of problems or violations are also conducted on a complaint basis.

Manufactured Home Communities						
	2011	2010	2009	2008	2007	2006
Total Number of Licensed Establishments	17	17	17	17	17	17
Routine Inspections	18	18	19	18	17	16
Reinspections	35	27	43	40	24	44
Investigations	13	3	3	7	8	13
Orders issued for correction of maintenance and sanitation violations	16	14	40	29	11	10
Total Inspections (includes all types):	66	48	65	65	49	73

Manufactured Home Communities are required by the safe drinking water regulations to have their water tested by a certified laboratory on a monthly basis.

Manufactured Home Communities - Water/Sewer				
	2011	2010	2009	2008
Drinking Water Wells	9	9	9	9
Private Onsite Wastewater Treatment Systems	7	7	7	10

Special Project

In February 2010, the Board of Health adopted the Housing Maintenance and Occupancy code into the Manufactured Home Communities Board of Health Regulation. In response to this code adoption, staff conducted special inspections of these communities specifically identifying homes without a safe second exit. Housing orders were issued to manufactured home owners to provide a second exit landing or landing and stairway for these existing homes. Orders were issued to 167 owners to provide the exit.

CHILDHOOD LEAD POISONING PREVENTION

Purpose/Goals: To protect children in Eau Claire County from lead poisoning.

Program Description: Conduct lead hazard assessments of homes where children with lead poisoning reside. Assure that children with elevated blood lead levels receive ongoing medical follow-up and testing as recommended. Provide lead hazard assessment upon request of families with young children living in high-risk homes for the presence of lead hazards. Educate the public on reducing and managing potential lead hazards. Collect and test environmental samples for lead. Assure that high-risk children served in the WIC Program have a documented blood lead test. Provide consultation and literature on how to safely eliminate lead hazards.

General Lead Investigations

Environmental Health Specialists receive special training and certification for lead investigation and enforcement. An X-ray Fluorescence (XRF) lead paint analyzer is used during the home evaluations to determine the presence and quantity of lead in a painted or varnished surface. Environmental health staff investigate and provide consultation and literature on how to safely eliminate lead hazards within or outside the home.

General Lead Investigations using XRF						
2011	2010	2009	2008	2007	2006	2005
7*	11	11	6	11	13	8

**6 homes and 1 school*

Elevated Blood-Lead Investigations

Public Health nurses provide case management and teaching to the families of children with elevated blood lead levels. Depending upon the findings of case management, children may be referred to Environmental Health staff for investigation and evaluation of the home environment. Lead abatement orders are issued during these investigations if significant lead hazards are identified.

Elevated Blood-Lead Investigations						
	2011	2010	2009	2008	2007	2006
Public Health Nurse-Childhood Lead Cases	16	9	--	--	6	15
Referrals to Environmental Health Home Evaluations	6	5	5	4	7	4

Lead Abatement Orders Issued		
2011	2010	2009
4	3	2

Environmental samples are also obtained to help determine the source of the lead in the children’s bodies. These environmental samples include paint chips, soil and surface wipes. A total of thirty-six (36) samples were obtained by staff and analyzed by either the Health Department’s chemistry laboratory or the Wisconsin Occupational Health Laboratory for their lead concentration.

Total Number of Lead Samples Collected						
2011	2010	2009	2008	2007	2006	2005
13*	36	45	57	100	70	43

**Two samples were analyzed using the Health Dept. Lab*

Other Lead Activities

- The Healthy Home display was set up for viewing at the June Dairy Days Breakfast.

ENVIRONMENTAL AND RECREATIONAL SANIATION

Purpose/Goals: To assure that the public is adequately protected from injury or the spread of disease when using or occupying facilities such as schools, beaches, pools, body art facilities, campgrounds, lodging facilities, and massage therapy facilities.

Program Description: License and inspect for overall safety and sanitary conditions and enforce state and local regulations governing these facilities. Collect and test drinking water, pool, and beach samples to assess for contamination and require corrective measures when unsafe levels of contaminants are identified. Provide consultation to facility operators and the public on preventing health and safety hazards when operating or using these facilities.

Public Facility Regulation

The County and City of Eau Claire have adopted rules which establish minimum sanitary standards for the operation of various public facilities. Below are the facilities regulated and inspected under these City and County regulations:

Adult-oriented Bookstores

Eau Claire has one adult oriented bookstore which is inspected annually by the Health Department. Inspections of these facilities include toilet rooms, physical maintenance and other sanitation maintenance concerns.

Massage Parlors

Massage parlors are licensed and inspected within the City of Eau Claire at least annually by the Health Department. The physical facilities, such as toilet rooms, square footage, lighting, furnishings, linens and clothing, are inspected by the Department. Massage therapists are licensed and regulated through the State of Wisconsin.

- o One massage parlor was shut down for operating with a valid City license in 2011

Licensed Massage Parlors						
2011	2010	2009	2008	2007	2006	2005
46	39	34	29	29	29	25

Tattoo/Body Piercing Facilities

Tattoo and Body Piercing facilities are licensed and inspected in the City and County of Eau Claire through City and County Ordinance. These facilities must be licensed and inspected at least annually by the Health Department. The State of Wisconsin also has rules for these facilities and license requirements for the artists. As an agent of the State of Wisconsin, the Health Department enforces these rules, which address both the physical facilities and artist’s methods and practices.

Tattoo/Body Piercing Facilities						
2011	2010	2009	2008	2007	2006	2005
13	12	10	10	10	10	9

Tattoo and Body Piercing establishments must test their sterilization equipment on a minimum monthly basis. One option for testing is using the local health department laboratory. Establishments can submit spore tests to the Health Department Laboratory for testing to verify that their sterilization process is adequate.

Spore Ampule Tests														
2011			2010			2009			2008			2007		
Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
45	5	50	51	0	51	35	0	35	56	1	57	40	2	42

Hotels and Motels

Lodging facilities such as Hotels, Motels, Tourist Roominghouses, and Bed & Breakfast establishments in Eau Claire County are licensed and inspected as an agent of the Wisconsin Department of Health Services and the Board of Health Hotel/Motel regulation. The Eau Claire City-County Board of Health Regulations allow for serving a full service breakfast at the licensed bed and breakfast establishments. The operator or manager must pass a certified food handlers course as stated in the Wisconsin Food Code. At this time all of the bed and breakfast establishments have chosen to serve a full service breakfast.

Hotels/Motels/Lodging						
	2011	2010	2009	2008	2007	2006
Total Number of Licensed Establishments	38	38	38	35	37	36
Routine Inspections	45	51	39	40	40	37
Reinspections	32	46	20	28	19	21
Investigations	12	15	2	6	12	6
Consultations	57	109	58	73	0	0
Total Inspections (includes all types):	89*	112*	61	74	71	64
Major Violations Found						
Water Supply, Plumbing, Waste Disposal	12	9	11	7	5	7
Utensil Sanitation and Glass Protection	9	4	4	6	6	10
Clean Furnishings and Linens	30	31	24	12	27	11
Clean Ice Equipment and Handling	1	4	2	2	2	2
Building Structure and Safety	69	66	39	61	47	55
General Maintenance and Cleaning	185	149	99	125	87	126
Food Protection (Bed and Breakfast Only)	0	0	1	0	0	0
Total Violations:	306	263	180	213	174	211
Violations per inspection:	3.4	2.3	3.0	2.9	2.5	3.3

**The increase in inspections, investigations, reinspections and consultations was due to issues associated with two hotels where several health and safety violations were noted and resulted in closure of the hotel and/or additional enforcement activities. Several environmental health staff were involved with the investigations to assess and monitor compliance.*

Noise

A noise survey was initiated in a neighborhood in close proximity to a food processing plant as a result of a complaint to the police department. Further monitoring will be conducted to determine if the noise from the industrial process is a violation of the City of Eau Claire code of ordinances.

The Department received 5 complaints in the fall of 2011 regarding an on-going noise investigation involving a scrap metal processor. The complaints were residential complaints in a neighborhood adjacent to the processor specifically indicating large “booms” or explosions coming from the operation. It was confirmed that the shredding device was causing explosions due to unauthorized items such as gas cylinders being processed in the shredding device.

Parks and Campgrounds

Campgrounds and educational camps in Eau Claire County are licensed and inspected as an agent of the Wisconsin Department of Health Services and the Board of Health pools and recreational facility regulation. All public parks, campgrounds, beaches and recreational areas are inspected before the season gets underway and then regularly during the season. The department also licenses and inspects special event campgrounds. Water samples are collected in May and again in July from wells at all public parks and campgrounds, and tested in the Health Department Laboratory for bacteria and nitrates. Testing of these wells for volatile organic chemical or heavy metal contaminants is done every other year.

Campgrounds and Recreational Camps						
	2011	2010	2009	2008	2007	2006
Total Number of Campgrounds	13	12	12	14	12	12
Total Number of Educational Camps	2	2	2	2	3	2
Special Event Campground Licenses Issued (see below)	5	8	9	9	10	9
Routine Inspections	23	22	26	39	33	28
Reinspections	4	5	2	1	1	2
Investigations	0	0	0	0	1	1
Consultations	35	17	12	20	19	26
Total Inspections (includes all types):	27	27	28	40	35	31

Special Event Campgrounds						
	2011	2010	2009	2008	2007	2006
Music Festivals	5	6	6	6	7	1
Eau Claire County Exposition Center	1	1	2	2	3	3
Other Miscellaneous	0	1	1	1	0	0

Recreational Waters

Swimming Pools

Monthly water quality and cleanliness inspections were made at all swimming pools located at schools, motels, private clubs, and apartment and condominium complexes. Inspections, reinspections and investigations are conducted with regard to pool equipment and water quality problems, and sometimes for special situations such as the Virginia Graeme Baker Act.

On December 19, 2007, the President signed into law the Virginia Graeme Baker Pool and Spa Safety Act, named after the daughter of Nancy Baker and the granddaughter of former Secretary of State James Baker. Graeme Baker died in a tragic incident in June 2002 after the suction from a spa drain entrapped her under the water. This Act was first introduced by Rep. Debbie Wasserman-Schultz (FL) and was supported by the Baker family and Safe Kids Worldwide. The Act specifies that on or before December 19, 2008, swimming pool and spa drain covers available for purchase in the United States must meet specific performance requirements.

Public swimming pools, wading pools, spas and hot tubs must meet the requirements for installation of compliant drain covers by June 30, 2011. Two (2) Eau Claire pools were closed for failure to meet the deadline for compliance. By mid-July 2011, all pools were in compliance with the law.

Swimming Pools/Water Attractions						
	2011	2010	2009	2008	2007	2006
Total Number of Licensed Features	62	55	60	57	59	58
Routine Inspections	47	58	60	67	60	58
Reinspections	51	60	53	65	49	31
Investigations	30	30	55	18	9	18
Consultations	116	120	120	151	-	-
Total Inspections (includes all types):	128	148	168	150	118	107
Pool Water Samples Analyzed (Bacteria)						
Bacterially Safe Samples	543	609	603	542	470	520
Bacterially UnSafe Samples	4	7	7	7	6	5
Percent Unsafe:	0.74%	1.15%	1.16%	1.29%	1.28%	0.96%
Total Samples Analyzed:	547	616	610	549	476	525

Beaches – Water Quality

Weekly water quality and cleanliness inspections are made at Big Falls, Lake Altoona, Riverview Park, Coon Fork, and Lake Eau Claire from May through August. Other popular swimming locations, such as beaches along the Eau Claire River and Half Moon Beach are also sampled on a weekly basis. A level of 235 *E. coli* bacteria per 100 ml of water is used as the limit for considering a beach water sample as unsafe.

Beach Closures:

- Big Falls – 3 closures
- Lake Altoona – 2 closures
- Riverview – 2 closures
- Coon Fork – 2 closures
- Lake Eau Claire – 1 closures

Beaches – Sand Quality

Fecal contamination of beach sand due to increased number of geese, ducks and gulls has been an identified concern with regards to beach closings when heavy rainfall was not a factor. Riverview Park and Half Moon Lake beaches continue to be affected by waterfowl. Measures taken at Altoona Beach by County Parks Department staff such as allowing working dogs to regularly patrol the beach during off peak hours have helped scare waterfowl from the beach, as well as lime application to the beach sand at approximately 4 week intervals has resulted in improved water quality at Altoona Beach.

Swimming Pools and Beach Laboratory Sampling

Eau Claire City and County swimming pools are sampled monthly. Beaches are sampled weekly during the summer months for water quality and cleanliness. The following table summarizes the recreational water samples analyzed by the laboratory for Eau Claire County. Additionally, samples are analyzed for beaches in Chippewa, and Clark Counties. Out-of-county data is contained in the “Certified Public Health Laboratory” section of this report.

Eau Claire County - Recreational Water Samples - Bacteriological Summary												
	2011			2010			2009			2008		
	Sat	Unsat.	Total	Sat	Unsat.	Total	Sat	Unsat.	Total	Sat	Unsat.	Total
Pools												
Total Coliform	543	4	547	609	7	616	603	7	610	542	7	549
Beaches												
E.coli	340	77	417	341	93	434	292	21	313	303	70	373
Beach Sand												
E.coli	12	0	12	0	0	0	0	0	0	0	0	0

Sat = Satisfactory; Unsat = Unsatisfactory

Water Safety Project

An on-going water safety project titled “Think Don’t Sink”, which was initiated in 2010 to provide outreach and education to the public about the dangers associated with recreational water activities. This project is being designed and implemented in cooperation with the Eau Claire North High School DECA students, and showcases three primary focus areas: (1) River Safety, (2) Ice Safety, and (3) Swimming Safety. The group will provide informative brochures and posters to local area businesses, as well as developing an informative website, found at www.eauclairewi.gov/thinkdentsink.

Surface Water Testing

The Environmental Health section did not conduct any surface water testing projects in 2011.

Complaints

The Health Department responds to complaints regarding environmental and recreational facilities. The following table illustrates the complaints received in these areas:

Environmental and Recreational Complaints						
	2011	2010	2009	2008	2007	2006
Swimming Pools (Public/Private)	2	8	6	22	2	19
Beaches and Surface Water	0	4	1	-	-	-
Campgrounds/Rec. Ed. Camps/Parks	0	-	-	-	-	-
Lodging	2	1	-	-	-	-
Tattoo/Body Piercing	4	3	-	-	-	-
Massage Parlors	2	-	-	-	-	-
Total Inspections (includes all types):	10	13	7	22	2	19

Pharmaceuticals

Please see ‘Human Health Hazards and Solid Waste’.

DRINKING WATER SUPPLY PROTECTION

Purpose/Goals: To assure that the public is provided a safe water supply that is protected from organic and inorganic chemical contamination and communicable diseases.

Program Description: Promote the testing of private water wells for contaminants, review and issue well permits to assure proper location of new wells, require abandonment of unused wells and conduct inspections of existing wells to assess their risk of being or becoming contaminated. Provide consultation and work with the public to correct their drinking water problems and on measures they can take to prevent contamination of their well. Provide drinking water testing for contaminants such as fecal coliform bacteria, organic chemicals, nitrates, pesticides, lead and copper. Conduct epidemiological investigations of suspected and confirmed waterborne illness cases and outbreaks. Participate with the County Groundwater Advisory Committee to implement groundwater protection initiatives.

Public Drinking Water Supplies

Municipal Water Supplies

The Health Department collects municipal water samples to test for coliform bacteria and residual chlorine from Altoona, Augusta, Fairchild and Fall Creek. These samples are collected twice a month from various locations in each municipality as required by the safe drinking water law.

The following table summarizes the municipal water samples analyzed by the laboratory for Eau Claire County. Data from the locations outside of Eau Claire County are contained in the “Certified Public Health Laboratory” section of this report.

Eau Claire County - Bacteriological Testing of Municipal Water Samples												
	2011			2010			2009			2008		
	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
Altoona Municipal	103	1	104	99	0	99	103	0	103	115	5	120
-Municipal Wells	42	2	44	12	0	12	14	1	15	0	0	0
Augusta Municipal	31	0	31	24	0	24	24	0	24	24	0	24
-Municipal Wells	16	0	16	16	0	16	16	0	16	17	0	17
Fairchild Municipal	24	0	24	24	0	24	26	0	26	24	0	24
-Municipal Wells	8	0	8	8	0	8	8	0	8	8	0	8
Fall Creek Municipal	32	0	32	25	0	25	30	1	31	37	3	40
-Municipal Wells	2	0	2	0	0	0	0	0	0	0	1	1
Total Samples:	258	3	261	208	0	208	221	2	223	225	9	234
Other Analyses-												
Residual Chlorine Samples	182			177			132			n/a		
Residual Chlorine Tests	546			531			394			n/a		
-Free Available												
-Combined Available												
-Total Residual												

Sat = Satisfactory; Unsat = Unsatisfactory

Private Drinking Water Supplies

The Eau Claire County Sanitary Code requires that all premises intended for human occupancy shall be provided with an adequate supply of water that is safe and acceptable to drink. Water samples are collected upon request and wells are evaluated at the time of the sampling. Recommendations are made by environmental health specialists to correct unsafe water supplies.

The chemistry and microbiology department conduct numerous tests and analyses to ensure safe drinking water is available to private homeowners. Some information is contained within this section, while other information can be found in the ‘Certified Public Health Laboratory’ section of this report.

Newborn Infants Program

A grant to continue testing private water supplies serving families with newborn infants for arsenic, fluoride, lead, and copper was approved by the Division of Public Health. These grant dollars were combined with our ongoing testing program, which offers free bacteria and nitrate tests to families with newborn infants.

Newborn Infants Program												
	2011		2010		2009		2008		2007		2006	
Letters Sent To Families	94		156		152		171		140		126	
Families Participating (%)	40	43%	55	35%	58	38%	55	32%	53	38%	57	45%

Follow up action by department staff was initiated whenever a test result showed contamination beyond the maximum contaminant level (MCL) set forth in the Wisconsin Safe Drinking Water Code. A summary of the newborn water testing results is shown in the following table.

Newborn Water Testing Results

Parameter Tested	Number of Samples	
	2011	Exceeding MCL
Copper	41	7
Lead	39	2
Total Coliform (bacteria)	35	5
Nitrate	35	2
Fluoride	40	0
Arsenic	39	0

Wisconsin Well Code

The Health Department administers portions of the Wisconsin Well Code through the Wisconsin Department of Natural Resources County Well Delegation program. The Health Department currently participates in Delegation Levels 1 and 5. Level 1 is concerned with private well location and includes issuing permits and inspecting new wells for proper separation distance from contamination sources, adequate casing height and proper seals. Level 5 involves abandonment of wells either taken out of service or not in use. Wells not abandoned, or abandoned improperly, can provide a direct conduit to the groundwater from the ground surface and potentially pollute the groundwater.

Well Drillers – Laboratory Sample Analysis

Well Drillers – Laboratory Sample Analysis						
	2011	2010	2009	2008	2007	2006
Water samples analyzed from newly drilled wells	80	53	189	70	123	139
Samples bacteriologically contaminated	15	5	17	0	0	0
Percent Unsafe	19%	9%	9%	0%	0%	0%

In addition to Delegation Levels 1 and 5, the Health Department entered into a Level 3 County Delegation agreement with the DNR in 1989. This agreement gives the Health Department authority to administer the portions of the Wisconsin well code that govern existing private wells and Transient Non-Community water systems. Transient non-community water systems are individual water supply systems that serve facilities such as restaurants, motels, campgrounds and service stations. Transient non-community systems must be sampled for bacteria and nitrate annually. Action is initiated when problems with water safety or the condition of the system are encountered. Facilities with bacteriologically unsafe results are required to discontinue use of their water for drinking and food preparation until corrective actions were taken and samples tested safe.

Transient Non-community Water Systems - Bacteriologically Unsafe						
2011	2010	2009	2008	2007	2006	2005
0	8	2	1	1	2	2

ACTIVITY SUMMARY FOR WELL LOCATION PERMIT PROGRAM					
	2011	2010	2009	2008	2007
Consultations - (Levels 1, 3 & 5 combined)	331	497	596	413	743
Total no. Permits Issued	992	163	113	112	174
-New Well Permits Issued	62	102	70	70	123
-Replacement Well Permits Issued	26	54	38	40	47
-Reconstruction Permits	4	7	5	2	4
Completed Inspections	94	46	67	123	152
Installations – Non-complying	17	6	2	1	2
Wells Requiring Abandonment	25	43	38	38	47
Orders Issued	67	72	50	54	63

ACTIVITY SUMMARY FOR LEVEL 3 - INSPECTION OF EXISTING SYSTEMS					
	2011	2010	2009	2008	2007
Consultations (existing private and transient non-community)	202	81	116	101	119
Inspections – Private	0	7	79	7	23
Inspections – Non-community	19	19	22	20	26
Installations – Non-complying	14	18	42	3	12
Orders/Directives Issued	14	18	42	3	12
Completed Well Abandonments (City and County)	29	53	51	48	56

Public and Private Drinking Water Laboratory Analyses

Eau Claire County Nitrate Samples Analyzed (Public & Private)				
	2011	2010	2009	2008
Total Samples Exceeding Standard	18	31	36	25
% Exceeding Standard (unsafe)	4.3%	6.7%	7.0%	5.0%
Total Samples Not Exceeding Standard	404	431	476	476
% Not Exceeding Standard (safe)	95.7%	93.3%	93.0%	95.0%
Total Samples Analyzed:	422	462	512	501

Other Drinking Water Laboratory Samples

The table below summarizes other drinking water laboratory samples for Eau Claire County. A similar table for out-of-county water samples is contained in the “Certified Public Health Laboratory” section of this report.

Eau Claire County - Other Drinking Water Bacteriological Samples												
	2011			2010			2009			2008		
	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
Non-transient Non-community	16	0	16	19	0	19	20	2	22	17	0	17
Transient Non- community	138	12	150	201	31	232	110	4	114	149	36	185
Mobile Home Parks	82	3	85	71	3	74	77	3	80	87	1	88
Private Wells	1005	187	1192	449	96	545	519	87	606	524	87	611
Well Drillers	80	15	95	47	6	53	47	5	52	49	8	57
Total Samples:	1,321	217	1,538	787	136	923	773	101	874	826	132	958

Sat = Satisfactory; Unsat = Unsatisfactory

Drinking Water Supply (Public and Private) Complaints

DRINKING WATER SUPPLY COMPLAINTS (PUBLIC/PRIVATE)					
	2011	2010	2009	2008	2007
Private or Public Well Complaints	0	1	4	1	1
Municipal System Complaints	2	0	1	-	-

Pharmaceuticals

Please see ‘Human Health Hazards and Solid Waste’.

AIR POLLUTION CONTROL

Purpose/Goals: (1) To reduce the incidence of illness and death from diseases related to or aggravated by exposure to air contaminants and (2) To assure air quality that is aesthetically acceptable and enjoyable in Eau Claire County.

Program Description: Investigate air pollution complaints and enforce applicable state and county air quality regulations. Conduct community air monitoring to sample and test for air contaminants as well as to assess changes in air quality. Respond to concerns that poor indoor air quality is causing health problems to the occupants. Guidance is provided on how to correct indoor air quality problems.

Regulations

The Department is responsible for enforcement of the County Air Pollution Ordinance, which adopts the Department of Natural Resources regulations by reference.

Incinerator Licensing and Inspection

The county regulations require licensing of all incinerators. These are licensed and inspected by the Health Department for operational and maintenance violations.

Incinerator Licensing and Inspection					
2011	2010	2009	2008	2007	2006
6	6	6	6	6	7

Air Pollution Investigations and Complaints					
	2011	2010	2009	2008	2007
Total Investigations	18	14	18	13	12
Illegal Open Burning or Business/Industrial Source emissions	10	8	4	7	2
Illegal Open Burning of Residential Garbage/Trash	3	3	10	4	4
Odors from Residential Wood Burning	2	1	3	2	3
Improper removal of asbestos-containing materials	1	-	1	-	2
Odors from Other Residential Sources	2	2	-	-	-
Air Pollution Complaints	19	20	18	37	19

Outdoor Air Monitoring

Wisconsin Department of Natural Resources air monitoring equipment was moved from the Eau Claire School District Administration Building to the Wisconsin State Patrol Headquarters on Highway 53 in April of 2011. The site is being operated by Environmental Health Staff. The site is currently monitoring PM_{2.5} particles (less than 2.5 micrometers in size) throughout the year, and continuous ozone levels throughout the spring, summer, and fall. The National Air Quality Standards are as follows:

- PM_{2.5} – 35 ug/m³ (24-hour period), 15ug/m³ (annual mean)
- Ozone – 75 ppb or less would not result in any adverse health impacts

The following table summarizes the data collect on PM_{2.5} ad Ozone.

PM2.5 and Ozone Ambient Air Monitoring Summary			
	2011	2010	2009
Total # of PM2.5 Samples	57	39	37
Average of PM2.5 Concentration (ug/m ³)	9	10	7
Maximum PM2.5 Concentration (ug/m ³)	28	32	n/a
Ozone 8-hour Annual Mean (ppb)	28		
Ozone 8-hour Maximum (ppb)	70		
Ozone 8-hour Minimum (ppb)	0		

Ambient (outdoor) Mercury Levels - Special Project

Ambient air mercury levels were studied in the fall of 2011 in cooperation with the Wisconsin Department of Natural Resources. Mercury was analyzed in three forms: elemental, gaseous oxidized, and particulate bound. Elemental mercury comprised 99.4% of the total mercury present in ambient air. Wind direction did not significantly impact the mercury levels. The daily average of elemental mercury was 1.2 ng/m³ (ng/m³ = nanograms of mercury per cubic meter of air). No ambient air quality standard currently exists for mercury. Previous long-term studies at Milwaukee and Crandon, Wisconsin showed averages of 1.8 ng/m³ and 1.3 ng/m³, respectively.

Indoor Air Pollution

Residences and public buildings or places of employment are investigated for the presence of carbon monoxide, carbon dioxide, soot, mold, mercury, sewer gas, fumes, odors or other indoor air pollutants as a result of complaints received. The below table summarizes the indoor air pollution investigations conducted:

Indoor Air Pollution Investigations						
	2011	2010	2009	2008	2007	2006
Residence	108	45	62	49	64	60
Public Building	6	5	5	9	3	6

Smoke-free Laws

The City of Eau Claire passed a *Smoking Prohibited* Ordinance, effective July 1, 2008. Additionally, the State of Wisconsin passed a Smoke-Free Law, effective July 5, 2010. Environmental Health staff have enforcement authority to enforce violations of the City of Eau Claire's ordinance, chapter 8.05. However, any violations of the State Law must be enforced by Law Enforcement authorities, unless the same violation is stated in the City's ordinance. Environmental Health does, however, take complaints regarding violations of the state law and will issue warning notices, as well as copying the proper law enforcement agency on our notice. The below table summarizes activities regarding smoke-free laws.

Smoke-Free Laws - Summary of Activities			
	2011	2010	2009
City of Eau Claire - Investigations/Inspections (incl. Reinsp.)	6	6	7
State Law - Notice Letters Issued	7	5	-
Smoking Complaints	3	2	-

HUMAN HEALTH HAZARDS AND SOLID WASTE

Purpose/Goals: To assure conditions are not created which present human health hazards and that solid waste is stored, collected, transported and disposed in a manner which does not create health, safety or aesthetic problems.

Program Description: Enforce state, city and county rules by conducting assessments and responding to complaints regarding human health hazards and requiring corrective measures be taken. Implement community initiatives and enforce local regulations to better assure proper handling, storage and disposal of solid waste.

Human Health Hazard/Public Health Nuisance Complaints

Wisconsin Statute 254 defines human health hazard as a substance, activity or condition that is known to have the potential to cause acute or chronic illness or death if exposure to the substance, activity or condition is not abated. Wisconsin Statute 251.05 requires the local health department to investigate and abate human health hazards. Additionally, Eau Claire County Ordinance s. 8.12.075 and City of Eau Claire Ordinance chapter 9.36 and s. 8.32.230 outline local guidelines for the prevention and regulation of human health hazards and public nuisances. The following table illustrates the number of orders issued specifically citing violations of the above-noted codes.

Human Health Hazards/Public Health Nuisances		
	2011	2010
EC County s. 8.12.075	33	16
City of EC Chapter 9.36	2	5
TOTALS:	35	21

Solid Waste

The Health Department is responsible for the enforcement of municipal and county ordinances relating to proper storage, collection and disposal of solid wastes in the county. The below table summarizes the solid waste complaints received and investigated. Substantiated complaints relating to improper storage, collection or disposal of garbage and trash on private and public property are issued orders and further regulated, as needed, with enforcement actions to achieve compliance.

Solid Waste Complaint Summary					
	2011	2010	2009	2008	2007
Garbage, Trash, Recyclables	221	223	298	277	315
Furniture	27	3	13	13	11
Tires	3	3	4	6	3
Yard Waste	5	13	27	27	18
Appliances	4	0	-	7	2
Animal Manure	11	10	16	19	9
Total:	271	252	358	349	358

Garbage Truck Licensing and Inspection:

All garbage trucks licensed by the cities of Altoona, Augusta and Eau Claire as well as by the county of Eau Claire, are inspected annually.

Neighborhood Clean-up Programs:

Door Hangers: Door hangers were developed that demonstrate the code requirements regarding the City of Eau Claire curbside garbage pickup. Door hangers were left at properties during the investigation of complaints. Volunteers representing two neighborhood associations are also monitoring their neighborhoods for containers at curbside and use a modified version of the door hanger.

Neighborhood Door Hangers						
2011	2010	2009	2008	2007	2006	2005
59	94	111	117	170	137	92

University Move-Out Events: A serious problem of large amounts of refuse placed at curbside and not removed in a timely manner during the spring student move out resulted in the development of the annual ‘Spring Move Out’ and ‘Don’t Dump It-Donate It’ campaigns. These venues provide a convenient location for tenants to bring furniture and other reusable items that can be donated to charitable organizations. Interfaith Hospitality and Hope Gospel Mission typically provide the volunteers and trucks to collect the usable furniture items. These annual events are very successful and provide a large amount of usable furniture to charitable organizations. The success of this project is largely due to the cooperation and active participation of student representatives from the University Student Senate and Environmental Public Health Club, as well as the garbage haulers involved.

University Move-Out Event Collections				
	2011	2010*	2009	2008
Spring Move Out Waste (tons)	76.52	99.23	68.33	94.56
Don't Dump It-Donate It				
-Waste (tons)	6.93	9.19	6.69	6.03
-Useable Donations (trucks)	7.5	7.5	10	8
Total Tons of Waste:	83.45	108.42	75.02	100.59

**Does not include 2 additional dumpsters post-event for illegally dumped items measuring 4.35 tons in 2010*

Veolia ES Seven-Mile Landfill:

The Health Department holds a seat on the Seven-Mile Landfill Standing Committee which meets quarterly to review, discuss, and monitor the construction and operation of the facility. The committee also has the right to conduct on-site inspections of the facility. An Environmental Health Specialist conducts these inspections and a report is provided to and discussed at the committee meetings.

Solid Waste Inspections Summary					
	2011	2010	2009	2008	2007
Garbage Truck Haulers	12	10	10	8	6
Garbage Trucks (licensed)	77	65	76	69	90
Garbage Truck Inspections	72	69	76	69	90
Garbage Truck Investigations	1	1	0	2	10
Total Inspections:	73	70	76	71	100
Solid Waste Inspections					
Solid Waste Inspections	11	16	1	9	5
Solid Waste Reinspections	241	474	248	275	269
Solid Waste Investigations	354	164	470	509	460
Landfill Inspections	4	4	4	4	5
Total:	610	658	723	797	739
Total Inspections (all types):					
	683	728	799	868	839

Pharmaceuticals

The Environmental Health section has actively participated in a Pharmaceuticals Work Group. UW-Extension has coordinated numerous monthly meetings to discuss the collection of unwanted household pharmaceuticals. The group developed a goal statement:

“To protect the health and safety of Eau Claire County residents and the environment by developing effective educational resources and safe disposal options for prescription drugs through public/private collaboration and community partnerships.”

The group has developed a permanent collection program for the disposal of household waste pharmaceuticals and prescription medications at four locations in Eau Claire County (Eau Claire, Altoona, Fall Creek, Augusta).

Environmental Health Miscellaneous Complaints

Category	Number of Complaints					
	2011	2010	2009	2008	2007	2006
Miscellaneous	4	13	10	7	5	3
Chickens	0	0	-	1	1	1
Pigeons	3	2	1	1	0	3
Nail Parlors	2	0	-	0	1	2
TOTALS:	9	15	11	9	7	9

PRIVATE ONSITE WASTEWATER DISPOSAL

Purpose/Goals: (1) To assure the proper treatment and disposal of wastewater from residences or buildings that require private onsite waste disposal and (2) To prevent human health hazards, water pollution, drinking water contamination and the spread of communicable diseases.

Program Description: Administer the County Sanitary Code. Review plans and issue permits for construction of private onsite wastewater and treatment systems (POWTS). Conduct inspections for all newly installed POWTS and enforce correction of failing systems. Review Wisconsin Fund applications from county residents for state funding to replace their failing sewage systems. Administer and enforce a state required maintenance program for all POWTS installed in Eau Claire County and/or within the city limits of Eau Claire.

A POWTS is also known as a sanitary or septic system. Its function is to collect household wastewater in a septic tank where biological processes digest solids and physical processes remove fats, oils, greases, and indigestible solids. Effluent (wastewater) exits the tank through a filter that removes suspended solids to an absorption system where it is discharged to the soil where microorganisms are removed and the clarified effluent percolates back into the groundwater. Some properties lack the necessary physical characteristics to allow for this type of system, and therefore, on a case-by-case basis, are approved to have a holding tank installed.

Construction of New/Replacement Systems

The Eau Claire County Sanitary Ordinance designates that the Health Department review “Soil and Site Evaluation” reports, plans for proposed private on-site wastewater treatment systems (POWTS) and issue permits for POWTS construction. Inspection and approval by the Health Department is required prior to backfilling or use. The Health Department applied for and received approval to review plans for mounds, at-grade and in-ground pressure sewage systems in 2001. Previously the plans for these systems had to be submitted to the State Department of Commerce for review. As an agent for the Department of Commerce, the Health Department is able to provide quick service for the public.

Wisconsin Fund

Eau Claire County began participating in the Wisconsin Fund Program in January of 1991. This program, which is funded by the State, provides grant dollars to repair failing sanitary systems. The objective of the program is to protect surface water and groundwater from sewage waste contamination.

Wisconsin Fund Applications					
	2011	2010	2009	2008	2007
Applications Processed	10	17	9	8	15
Yearly Grant Dollar Allotment	\$ 53,066.00	\$55,851.00	\$ 41,275.00	\$ 31,873.00	\$ 50,507.00
Total Systems Repaired (Since 1991)	495	485	468	459	451
Total Grant Dollars Allotted (Since 1991)	\$ 1,511,695	\$1,458,629	\$ 1,402,778	\$ 1,361,503	\$ 1,329,630

Audits/Evaluations

An audit of the POWTS program was conducted to check for compliance with the changes made in the major revision to COMM 83, the Wisconsin Administrative Code regulating POWTS design, construction and maintenance. The audit critiqued administrative procedures, whether the County Sanitary Ordinance had been revised to comply with the new COMM 83, sanitary permit data, POWTS maintenance and permit application reviews. The audit concluded that the program complied with statutory requirements.

POWTS Maintenance Program

This program has been developed in order to maintain compliance with laws requiring the Health Department to obtain and keep records of the maintenance of different types of POWTS. The Wisconsin State Legislature adopted Act 347 on April 14, 2006. This legislation created s.145.20(5) stats., which establishes the requirements for a private sewage system maintenance program. Wisconsin Administrative Code SPS 383.52 applies the maintenance program to all private sewage systems. These state laws require the maintenance program to be administered by the local governmental unit responsible for the regulation of private sewage systems. This governmental unit is the Health Department in Eau Claire County. In May of 2007, the Eau Claire County Sanitary Code was revised to comply with new state laws regarding private onsite wastewater treatment systems (POWTS).

Section 8.12.220 of the Eau Claire County Health and Safety Ordinance requires that all POWTS be subject to a maintenance program. SPS 383 requires that the local ‘governmental’ unit, in this case the Health Department, notify all property owners of the POWTS maintenance requirements and follow up with non-compliance. The program is responsible for the implementation and monitoring of all POWTS installed in Eau Claire County as well as developing and/or providing maintenance and operation information for property owners. Funding for the program is generated through a special charge for the private treatment system, labeled SC Sewage, on the property tax bill. The creation of a new position whose responsibility includes the POWTS Maintenance Program has allowed allocation of more time to enforcement efforts.

Maintenance Reports and Compliance

Septic Tank Maintenance

SPS 383 requires homeowners to maintain their septic systems by regularly having maintenance performed. Every three years homeowners are sent a notice from the Health Department to achieve compliance. These notices are signed by a licensed Master Plumber or certified septic tank pumper and returned to the Health Department.

Septic Tanks										
	2011		2010		2009		2008		2007	
Reports Due	2791		2616		4176		1227		1375	
Reports Filed (%)	2608	93%	2441	93%	3671	88%	1104	90%	1094	80%

Holding Tank Maintenance

Eau Claire County Sanitary Ordinance 8.12.240 requires holding tank owners to submit quarterly pumping reports that specify the amounts pumped, the dates of pumping, the name of the pumper, and the disposal location. Changes in the software and format used for record keeping were implemented in 2008.

Holding Tanks										
	2011		2010		2009		2008		2007	
Total Holding Tanks	273		265		253		245		234	
Compliant System Reporting (%)	224	82%	221	83%	229	91%	204	83%	n/a	n/a
Min. one report filed during year (%)	253	93%	249	94%	250	99%	233	95%	204	87%
No reports filed during year (%)	3	1%	4	2%	3	1%	17	7%	30	13%

Pretreatment Unit Maintenance

Owners of sanitary systems that include a pretreatment component are required to provide annual reports of inspection by a licensed maintainer. Follow-up with non-reporting property owners is ongoing. Prior to 2008, notification and follow-up activity had been limited.

Pretreatment Units										
	2011		2010		2009		2008		2007	
Total Pretreatment Units	34		31		31		27		24	
Reports filed (%)	27	79%	23	74%	18	58%	15	56%	3	13%

POWTS Maintenance Program Activities Summary				
	2011	2010	2009	2008
Total Program Consultations (In-Office)	619	567	820	394
Consultations/System Verifications (On-Site Visits)	10	447	139	42
Compliance Investigations (On-Site Visits)	496	522	20	171
Batch Mailings (informational and maintenance notices)	22	26	27	9
Total maintenance reminder/warning notices sent (all system types)	4306	4112	5188	2637

On-Site Waste Disposal Program – Activity Summary					
	2011	2010	2009	2008	2007
Consultations	1065	680	994	857	712
Plan Approvals for At-Grades, Mounds, and In-Ground Pressure Systems	58	55	64	60	74
Commercial Conventional Plan Approvals	2	0	3	0	2
State Sanitary Permits Issued	151	146	171	134	198
County Sanitary Permits Issued	22	12	13	20	18
Type of System – Total	145	141	159	139	186
-New Sewage Systems	62	62	62	80	120
-Replacement Systems	83	79	97	59	66
Conventional – Non-Pressure – New	20	34	36	44	71
Conventional – Non-Pressure – Replacement	55	48	68	28	36
At-Grades – New	8	8	5	9	14
At-Grades – Replacement	3	5	5	7	6
Mounds – New (A + 4)	30 (12)	20 (5)	20 (5)	26 (9)	32 (10)
Mounds – Replacement (A +4)	18 (10)	24 (4)	21 (9)	21 (6)	21 (7)
In-Ground Pressures, Other New (IGP)	1	0	0	2	*2
In-Ground Pressures/Other – Replacement (IGP)	0	1	1	0	0
Holding Tanks – New	3	0	1	1	1
Holding Tanks – Replacement	7	1	0	2	3
Privies	4	0	2	2	1
Mechanical Treatment Units	3	0	2	4	4
Re-connection/Repair	7	8	10	9	8
Permits Rescinded	0	0	0	0	0
Legal Orders	23	17	22	12	22
Sewage Disposal Inspections	396	283	338	339	443
Soil On-sites	56	44	31	45	37
Wisconsin Fund Grants	8	17	9	8	15
Plat and Certified Survey Map Approvals	18	26	31	30	42
Sewage System Complaints	13	5	13	14	4

Groundwater Surveillance and Testing

Groundwater contamination is of increasing concern to area residents. Health Department staff participate as a technical resource for the County Board appointed groundwater advisory committee for development of a groundwater management plan for Eau Claire County. Activities associated with the development of the plan were the inventory of potential pollution sources; environmental assessment which included maps depicting groundwater depth and flow, directions, soil attenuation and depth to bedrock; a summary of existing groundwater management controls and groundwater protection recommendations. The County Board adopted the plan in 1995. In 1999, revision of the county sub-division ordinance was conducted, focusing on reducing the impact of upgradient contamination sources on private wells within proposed subdivisions and the impact of sanitary systems within the subdivision on wells. A groundwater protection section in the County Subdivision Ordinance was adopted by the County Board in December 1999.

Subdivision plats are reviewed for groundwater flow direction and how to best to locate wells and septic systems relative to one another, and to evaluate potential adverse effects from septic systems on drinking water sources. Other potential contamination sources reviewed for on the subdivided and adjacent properties include: animal feed lots, manure storage facilities and cesspools, pesticide mixing or loading sites, solid waste disposal sites, salvage yards, underground storage tanks, recorded hazardous substance discharges, septage generators and superfund sites.

A wellhead protection ordinance for municipal water supplies was adopted by Eau Claire County in 2001. For this ordinance to take effect in a municipality, that local governmental entity must adopt it's own wellhead protection ordinance to control activities within the recharge area within it's boundaries and request the County Planning and Development Department to create a Groundwater Protection District for the recharge area outside the municipal boundaries. The Eau Claire County Groundwater Committee promoted and authorized expenditures to identify recharge areas for each municipal well and inventory potential contamination sources in the identified areas. Fairchild, Augusta, Altoona, and Fall Creek have now adopted this ordinance.

RADIATION EXPOSURE AND PUBLIC HEALTH PREPAREDNESS

Purpose/Goals: To provide a public health system and workforce that: (1) prevents unnecessary exposure to radon from naturally occurring sources (2) are capable of delivering essential public health services during routine and emergency operations, (3) provide rapid communication, analysis and interpretation of health data, and timely access to accurate public health information, and (4) monitor health events to identify changes or patterns and to investigate underlying causes and factors to help detect and respond to public health threats and emergencies.

Program Description: Administer the Regional Radon Information Center for a seven-county area. Provide technical consultation on testing for radon and how to mitigate it when levels are above the standard. Participate in the state radiological response program as a trained radiological emergency response team to prevent and protect from any unnecessary exposure to radiation from the transportation, use or disposal of radioactive materials or radiation producing devices and products. Collaborate with appropriate first responders, County Emergency Management Coordinator, health care providers and other appropriate partners to address potential natural disasters, bio-terrorism response planning, chemical threats, and radiological preparation. Actively participate in developing bio-terrorism response planning with a 12 county/tribe jurisdiction consortium. Participate in local and regional training and planned tabletop and functional exercises with various bio-terrorism scenarios.

Radon

The USEPA grant to operate the West Central Wisconsin Radon Information Center was renewed for another year. This center provides radon information services for the following six counties: Buffalo, Chippewa, Clark, Eau Claire, Jackson and Trempealeau. This center also provided services, materials and consultation to Monroe County. The center provides assistance and resources to the local public health departments in these counties to aid in testing for the presence of radon and advice on mitigation (if radon is present at significant levels).

Data collected from radon testing in Eau Claire County dates back to 1988. The below table indicates the percentages of homes tested which are below the EPA recommended standard of 4.0 picocuries/liter (pCi/L), and those which are above. Homes with exceeding levels were given recommendations for further testing or mitigation depending upon the level of radon in their home.

Home Radon Levels			
	2011	2010	2009
% of radon levels less than 4.0 pCi/L	61%	61%	67%
% of radon levels greater than or equal to 4pCi/L	39%	39%	33%

Even though there are statistics for radon levels locally in the County, there is no way to predict what the level of radon will be in a home. The only way to know is to test. Mapping of results obtained thus far has identified some areas that appear to be at higher risk. A GIS map of both the City and County of Eau Claire has been developed.

The Department provides both short-term and long-term radon test kits for a fee. Homeowners who wish to test their own homes can purchase these kits at the Eau Claire City-County Health Department office located in the County Courthouse.

Radon Home Test Kits Sold/Analyzed						
	2011	2010	2009	2008	2007	2006
Long Term Kit Sales	10	7	24	24	24	32
Short Term Kits Sales	241	290	431	431	431	318
% of Short Term Kits Analyzed	69%	69%	72%	72%	72%	75%
Total Kits:	251	297	455	455	455	350

Radiation Protection

A Radiological Incident Response Plan has been developed by the State of Wisconsin to handle all radioactive emergencies at nuclear power plants in or near Wisconsin. The State of Wisconsin conducts the following activities: developing/conducting training statewide, local and utility emergency responders; procedure development; exercise scenario development; and participation in scheduled nuclear plant emergency preparedness exercises evaluated by the Federal Emergency Management Agency (FEMA). The state developed radiological emergency response teams statewide, consisting of field team members in various locations throughout Wisconsin.

The local radiological emergency response team consists of two environmental health specialists. This team participated in two radiological response exercises at the Prairie Island Nuclear Power Plant in 2010. Wisconsin State Field Team Training took place on May 24-26, 2011 in Onalaska, WI. This training maintains a statewide radiological field team presence and to exercise the State's radiological emergency response plan. Additionally, the Civil Support Team (CST), consisting of Army and Air National Guard personnel and area HazMat teams all train together at these exercises.

Public Health Emergency Preparedness

Currently five environmental health staff members are trained in the incident command system (ICS) to serve as the primary or alternate Safety Officer, Planning Section Chief, and Logistics Section Chief. The initial and continued training provides staff with the knowledge to fill any ICS staffing position as required by an incident.

All Health Department staff are given annual training and fit-testing on the use of either an N95 Particulate Respirator or a Powered Air Purifying Respirator (PAPR) as required by OSHA regulations. An environmental health specialist and a public health nurse maintain this training and fit-testing program.

RODENT, INSECT, RABIES, AND VECTOR CONTROL

Purpose/Goals: (1) To assure that the public is protected from the spread of vectorborne diseases and (2) To assure that rabies does not occur in humans, dogs or cats within Eau Claire County.

Program Description: Provide consultation and information to the public on eliminating or controlling rodents, insects and other animals capable of causing or transmitting disease to humans. Investigate and enforce state city and county rules regarding insect, rodent and animal infestation problems of public health importance. Provide consultation and other resources to address vectorborne diseases. Partner with the Eau Claire City Police Department and County Humane Association to enforce city and county regulations on reported animal bites and pet quarantines. Advise the public and health care clinicians on appropriate measures to take when an individual is bitten by a domestic pet or a wild animal, and the appropriate preventive measures when following up on potential rabies cases. In cooperation with Eau Claire County veterinarians, conduct countywide rabies vaccination clinics for dogs, cats and ferrets every other year.

Program Activities

Rodent and vector control activities included responses to complaints on animals causing nuisances such as birds, mice, rats, bats, insects and skunks. Such responses include giving out information and recommendations on vector control, identification and control of insects, trapping nuisance animals and issuance of orders when necessary.

Rodent/Insect Complaint Summary					
	2011	2010	2009	2008	2007
Animals (misc.)	7	2	7	10	2
Animal Manure	12	10	16	19	9
Rats	11	0	3	4	7
Bats	15	12	9	13	8
Insects (misc.)	15	11	7	10	2
Tires	4	3	4	6	3
Bed Bugs	6	6	-	-	-
Total:	70	44	46	62	31

Live Traps

Environmental Health maintains a Live Trap for the trapping of skunks. Skunks are a high-risk animal for the transmission of the rabies virus. The trap is usually loaned to a property owner on a complaint basis. If a skunk is trapped, it is euthanized by Health Department staff.

West Nile Virus

Mosquito control is an important and basic public health function. The rapid spread of West Nile Virus (WNV) across the United States in the last five years demonstrates the continuing need for mosquito control activities.* Standing water is the primary source for breeding mosquitoes, specifically the culex species which is most likely to transmit WNV to humans. The Eau Claire City-County Health Department has worked on various educational, surveillance and control activities to help control the spread of WNV.

Surveillance/Investigation – Environmental Health staff will investigate complaints regarding mosquito-breeding areas or other high-risk locations.

Testing – Eau Claire County and statewide surveillance activities begin in May of each year. Each county is allowed to ship a maximum of two birds for testing to the USDA Wildlife Service. If a positive bird is identified, the State and County work together to issue a press release and educate the public.

*ASTHO (Association of State and Territorial Health Officials) Fact Sheet.

Bed Bugs

The Health Department responds to bed bug infestation complaints in private homes, rentals, and public establishments. Even though bed bugs are not known to transmit disease, they are considered a pest of public health significance. The bites of bed bugs can cause severe allergic reactions, as with any other type of sensitivity to bug bites, as well as emotional distress to affected persons. There may also be associated financial losses to public and private entities for mitigation or public opinion/stigma. Bed bugs are difficult to control due to their habits and resistance to pesticides, therefore, when Health Department staff encounter an infestation, the services of a professional pest control operator are strongly recommended, along with other advice regarding prevention and control measures. There is no official tracking or reporting of infestations, but anecdotal evidence indicates the number of infestations is increasing and the State Health Department expects this trend to continue. In response to this growing concern, Environmental Health staff starting coding activities related to bed bugs in 2010.

Bed Bugs			
	2011	2010	2009
Inspections	1	2	n/a
Investigations	7	4	n/a
Reinspections	0	4	n/a
Consultations	22	2	n/a

Animal Bites and Rabies Control

The Health Department is approved by the Department of Agriculture, Trade and Consumer Protection to administer a local rabies control program as required by Wis. Stats. 95.21(9)(b), and further outlined in Wis. Adm. Code ATPC 13.

Bites/Exposures

People reported bitten by or exposed to animals:

Bites/ Exposures						
	2011	2010	2009	2008	2007	2006
Dog Bites	91	111	98	133	113	119
Cat Bites	45	43	47	38	55	36
Ferret Bites	0	0	0	0	0	1
Miscellaneous	50	30	44	96	97	66
Total Reported Bites/ Exposures:	186	184	189	245	265	222

Post-exposure prophylaxis (PEP)

PEP is initiated when people are exposed to animals/specimens that were either:

- Positive for rabies
- Too decomposed for testing
- Not available for testing
- Had Equivocal results

Post-Exposure Prophylaxis Initiated					
2011	2010	2009	2008	2007	2006
19	10	16	36	37	21

Immunization Information

During bite investigations, the current immunization status of the animal(s) involved in incidents are reviewed and recorded. These findings are used to help determine animal quarantine orders as well as animal and human treatment options.

Current Immunization Status – Current (animals involved in incidents)						
	2011	2010	2009	2008	2007	2006
Dogs	85%	69%	63%	65%	69%	79%
Cats	21%	21%	19%	16%	25%	11%

Quarantine Information

Those animals with current rabies vaccination and that do not exhibit symptoms of rabies may be quarantined (confined) at home, but are required to be examined by a licensed veterinarian within 24 hours of receiving a quarantine notice and again on the 10th day after the date of the bite. A cooperative effort exists between the Municipal Police, the County Humane Officers and the Department to carry out this program.

- Domestic pets exposed to wild animals that tested positive for rabies or wild animals that are not available for testing require special quarantine.
- Immunized pets are placed under a 60-day quarantine.
- Unimmunized pets are either euthanized or put into a 180-day quarantine.

Quarantine Information				
	2011	2010	2009	2008
Veterinarian/Home Quarantines (Unimmunized)	50	70	74	79
Veterinarian/Home Quarantines (Immunized)	86	85	71	92

Rabies Testing Information

The Wisconsin State Laboratory of Hygiene (WLSH) conducted testing for the rabies virus on animals/specimens shipped to the WLSH as follows:

Rabies Testing Information						
	2011	2010	2009	2008	2007	2006
Total Animals Sent to WSHL	50	63	52	70	80	70
Total Testing Positive for Rabies	0	1	1	1	0	0

- 28 bats; 9 cats; 8 dogs; 1 raccoon, 1 gerbil, 1 woodchuck, 1 squirrel, 1 rat

Rabies Clinic

The Health Department Laboratory organizes bi-annual rabies vaccination clinics in cooperation with most of the Eau Claire County Veterinarians. The clinics are held at Eau Claire Memorial – Eau Claire, WI and the Osseo-Augusta Veterinary Clinic – Augusta, WI. Community members and volunteers from the Eau Claire County Humane Association and the White Pine Animal Rehabilitation Center help fill syringes with vaccine, register animals, maintain sanitary conditions, assist patrons with their animals, and collect payments.

Clinic Dates:

- Eau Claire Memorial – April 24, 2010
- Osseo-Augusta Veterinary Clinic – April 24, 2010

Total Vaccinations (dogs, cats and ferrets) – Both Locations:

- 1,279 in 2010
- 1,457 in 2008
- 1,272 in 2006

Revenue from the vaccinations supports the costs associated with the clinic, and any extra revenue is donated to the previously mentioned organizations for their participation. Thank you letters were sent to all cooperating groups from the Health Department.

CERTIFIED PUBLIC HEALTH LABORATORY

The Certified Public Health laboratory is comprised of a microbiological and chemistry division that conduct microbiological and chemical analyses on a variety of substances (e.g. water, dairy products, food, utensils, air) that affect public health. Sampling and analysis is conducted to ensure sample acceptability and compliance with public health and environmental standards for public health and welfare.

The Health Department laboratory services not only Eau Claire County, but also many surrounding counties as well, both public and private businesses (e.g. well drilling companies, health departments). Eau Claire County sampling results and program-related laboratory activities have been inserted into the following sections of this report wherever applicable and appropriate:

- Food Protection
- Housing (Lead Prevention)
- Drinking Water Protection
- Private Onsite Wastewater Disposal
- Rodent, Insect, Rabies and Vector Control
- Air Pollution Control
- Environmental and Recreational Sanitation

The data contained in this section of the report is cumulative data for all laboratory services, both local (Eau Claire County) and non-local.

Total Laboratory Samples and Analyses					
	2011	2010	2009	2008	2007
Microbiological Examinations	17,282	12,215	13,910	18,043	12,451
Total Chemical Samples	1,153	1,161	1,247	1,265	1,457
-Total Chemical Analyses	3,941	4,937	4,907	4,462	9,407
Total Analyses:	21,223	17,152	18,817	22,505	21,858

Microbiological Division

Colilert/Colisure and Speciation

These test methods are used for the simultaneous detection and confirmation of total coliforms and E coli in drinking water. All non-coliforms are suppressed giving faster and more specific results in 22 hours or less with Colilert. Colisure suppresses all non-coliforms, giving results in 24 – 48 hours. Coliform bacteria can be specifically identified from drinking water using ‘Speciation’. This testing method aids staff with the identification of the problem and finding a solution.

Colilert/Colisure Samples		
	2011	2010
Drinking Water	1,773	2,270
Pools and Beaches	1,028	1,204

Total Microbiological Sample Summary

Total Food Samples Analyzed					
	2011	2010	2009	2008	2007
Total Food Samples Analyzed	698	539	372	819	658
Total Unsatisfactory	7.7%	10.2%	26.3%	12.6%	14.1%

Total Bacteria Tests - Private Drinking Water					
	2011	2010	2009	2008	2007
Total Tests/Samples	1288	1687	1491	1260	1320
Total Unsafe Samples	202	250	206	227	206
Total Percent Unsafe	15.7%	14.8%	13.8%	18.0%	15.6%

Out-of-County - Bacteriological Samples												
	2011			2010			2009			2008		
	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
Out of County Beaches - <i>E. coli</i>	145	12	157	536	361	897	186	11	197	190	33	223
Out of Co Municipal Wells	193	1	194	369	6	375	356	3	359	344	4	348
Out of Co Non-transient Non-community	2	0	2	0	0	0	3	0	3	1	0	1
Out of Co. Transient Non-community	21	7	28	20	9	29	30	12	42	18	18	36
Out of Co. Mobile Home Parks	1	0	1	2	0	2	4	0	4	3	0	3
Out of Co. Private Wells	594	113	707	675	111	786	766	119	885	681	157	838
Out of Co Wells Drillers	60	6	66	91	12	103	113	15	128	127	9	136
Total Samples	1,016	139	1,155	1,693	499	2,192	1,458	160	1,618	1,364	221	1,585

Sat = Satisfactory; Unsat = Unsatisfactory

Laboratory Quality Control/Quality Assurance

Microbiology - Quality Control Checks					
	2011	2010	2009	2008	2007
Quality Control Checks	9096	8675	9200	9763	7550

Proficiency Testing												
	2011			2010			2009			2008		
	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
Milk												
SPC	8	0	8	8	0	8	8	0	8	16	0	16
Coliform	8	0	8	8	0	8	8	0	8	16	0	16
Water												
Enzymatic Substrate	20	0	20	20	0	20	20	0	20	20	0	20

Sat = Satisfactory; Unsat = Unsatisfactory

**In 2008, the State of Wisconsin grant supporting the testing and analysis of cultured Neisseria Gonorrhoea testing was discontinued. Effective June 25, 2008, our department no longer cultured for this disease on-site.*

Chemistry Division

The laboratory receives samples such as water, soil, paint, and swabs in response to customer requests and to support environmental health field investigations. The following table demonstrates the types of samples and the number of analyses performed.

Chemistry Division - Chemical Samples and Analyses						
	2011	2010	2009	2008	2007	2006
Received Samples of Analyses	1,153	1,161	1,247	1,265	1,457	1,631
Different Chemical Analyses	3,941	4,937	4,870	4,462	9,407	11,896

Types of Chemistry Samples Analyzed				
	Metals	VOC's	Nitrates	Misc. Chemicals
Water	191	43	922	106
Soil/Solid	2	0	0	0
Swab (wipes)	0	0	0	0
Paint	0	0	0	0
Total Samples Analyzed:	193	43	922	106
Total Tests Performed on Samples:	363	2537	922	119

Organic Chemical Testing

Samples are analyzed for up to 59 separate volatile organic chemicals (VOC's) using the laboratory's gas chromatograph/mass spectrometer (GC/MS). Testing continued on private wells around the former city landfill in the Town of Union.

Organic Chemical Testing						
	2011	2010	2009	2008	2007	2006
Samples Analyzed	43	61	59	51	125	157
Total - Separate Analyses	2,537	3,599	3,481	3,009	7,375	9,263

Heavy Metal Analysis

Heavy metals are conducted utilizing the laboratory's atomic absorption spectrophotometer (AAS). Examples of heavy metals tested on this instrument are lead, copper, chromium, arsenic, cadmium, iron and zinc. Samples tested included drinking water from municipalities, private wells, and from monitoring wells.

Heavy Metal Sample Analyses					
2011	2010	2009	2008	2007	2006
364	317	296	414	581	986

Lead and Copper Drinking Water Sample Results Summary			
Sample Location	Number of Tests	Elevated Lead	Elevated Copper
Schools and mobile home parks	10	0	0
Residential – newborn	80	2	7
Other Private/Public	44	0	2
Municipalities	101	0	0
Totals:	235	2	9

Nitrate Samples

Water samples (public and private) are tested in the chemistry lab to determine nitrate-nitrogen levels. A nitrate reading exceeding 10 ppm can be potentially dangerous to newborn infants, pregnant women and cattle. The large number of nitrate tests conducted is due to the Safe Drinking Water Act requirements that public water supplies now have to test their water annually for nitrate. The data for nitrate analysis, public and private, can be seen in the following tables.

<u>Total Nitrate Samples Analyzed (Public & Private)</u>					
	2011	2010	2009	2008	2007
Total Samples Exceeding Standard	54	81	80	69	85
% Exceeding Standard (unsafe)	5.9%	8.4%	7.7%	7.2%	8.2%
Total Samples Not Exceeding Standard	868	879	962	887	952
% Not Exceeding Standard (safe)	94.1%	91.6%	92.3%	92.8%	91.8%
Total Samples Analyzed:	922	960	1042	956	1037

<u>Total Nitrate Testing (Public Only)</u>												
	2011			2010			2009			2008		
	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
Mobile Home Parks	28	0	28	27	0	27	25	0	25	28	0	28
Non-Transient Non-Comm	7	2	9	5	3	8	14	0	14	8	3	11
Transient Non-Comm	164	5	169	93	4	97	102	6	108	105	4	109
Municipal	9	0	9	22	0	22	26	0	26	1	0	1

<u>Total Nitrate Testing (Private Only)</u>												
	2011			2010			2009			2008		
	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total	Sat	Unsat	Total
Newborns	33	2	35	47	3	50	58	1	59	51	4	55
New Wells	36	4	40	68	5	73	74	7	81	109	9	118
Other	591	41	632	612	66	678	663	66	729	585	49	634

Sat = Satisfactory; Unsat = Unsatisfactory

Out-of-County Nitrate Samples Analyzed (Public & Private)				
	2011	2010	2009	2008
Total Samples Exceeding Standard	35	49	44	44
% Exceeding Standard (unsafe)	7.0%	9.9%	8.3%	9.7%
Total Samples Not Exceeding Standard	463	446	485	411
% Not Exceeding Standard (safe)	93.0%	90.1%	91.7%	90.3%
Total Samples Analyzed:	498	495	529	455

Environmental Health and Laboratory – Activity Summary

Program	# of Consultations	# of Inspections (includes Reinspections)	# of Investigations	Total Program Time/Hrs.
Air Quality	347	25	81	318.50
Body Art Facilities	127	24	34	177.50
Emergency Preparedness	36	0	0	127.75
Environmental Health - Gen./Com.	65	0	0	1239.00
Restaurants (includes temporary)	1034	850	60	2835.25
Retail Food	216	207	43	858.25
Food Safety Program (minus Restaurants/Retail)	65	102	10	576.00
Hotel/Motel/Lodging	57	77	12	230.25
Housing - Rooming house	499	305	16	434.50
Housing - Residential	3082	1821	163	3356.25
Industrial Hygiene/Noise	20	0	1	15.50
Lead	105	16	16	137.00
Massage Parlors	156	47	2	83.75
Manufactured Home Communities	90	53	13	208.25
Nuisance - bed bugs, animal, etc	55	23	18	96.00
Parks (licensed and non-licensed)	35	37	0	100.50
Public Bldg/Business/Facility	4	0	3	4.25
Rabies	893	0	0	193.75
Radon	479	1	5	357.75
Rodent/Vector control	197	4	19	127.50
Schools	63	64	3	163.50
Sewage	1083	461	132	1944.00
Solid Waste	271	324	355	760.00
Swimming Pools/Beaches	117	98	32	704.50
Smoking - City of Eau Claire	5	0	6	11.50
Toxic/Hazardous substances	17	0	2	18.75
Water Pollution (ground/surface)	21	0	7	84.75
Drinking Water	204	156	16	1024.00
Totals:	9343	4695	1049	16188.50

VITAL STATISTICS

BIRTH AND DEATH INFORMATION 2010

	Population	Birth	Crude Birth Rate	Deaths
Eau Claire County	98,736	1,114	11.3	703
City of Eau Claire	66,149	790	11.9	493
State of Wisconsin	5,686,986	68,367	12.0	47,212

PERCENT OF BIRTHS BY AGE OF MOTHER 2010

	Total Births	<15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+
Eau Claire County	1,114	-	1.1	4.2	23.5	36.1	23.7	8.5	0.1	-
City of Eau Claire	790	-	1.3	4.6	25.8	36.7	21.1	8.6	1.9	0
State of Wisconsin	68,367	.1	2	5.5	21.9	31.5	26.3	10.5	.1	.1

PERCENT OF BIRTHS TO TEENS (19 AND YOUNGER)

	2010	2008	2007	2006	2003	2000	1997	1994
Eau Claire County	5.3	6.7	7.4	7.0	8.0	7.6	9.1	9.1
City of Eau Claire	5.8	8.6	8.6	8.2	9.5	7.7	10.9	9.8
State of Wisconsin	7.6	8.5	8.7	8.4	9.0	10.2	10.7	10.3

PERCENT OF BIRTHS BY RACE/ETHNICITY OF MOTHER - 2010

	Total Births	White	Black	American Indian	Hispanic/Latino	Laotian/Hmong	Other
Eau Claire County	1,114	87.2	.7	.9	3.1	6.1	.2
City of Eau Claire	790	85.1	.9	1.1	2.4	8.2	2.3
State of Wisconsin	68,367	74.4	10.0	1.7	9.6	1.9	2.4

PERCENT OF LIVE BIRTHS BY SEX AND MARITAL STATUS - 2010

	Total	Male	Female	Married	Unmarried
Eau Claire County	1,114	54.3	45.7	67.7	32.3
Eau Claire City	790	53.8	46.2	31.4	14.8
State of Wisconsin	68,367	51.2	48.8	63.1	36.9

BIRTHS BY MATERNAL SMOKING STATUS DURING PREGNANCY

	2010			2010	2000
	Total Births	Did Not Smoke	Smoked	% Smoked	% Smoked
Eau Claire County	1,114	932	182	16.3	17.5
Eau Claire City	790	658	132	16.7	16.9
State of WI	68,367	59,035	9,045	13.2	16.5

HOME BIRTHS BY COUNTY OF BIRTH, WISCONSIN

	2010		2000	
	# of Home Births	% of Total Births	# of Home Births	% of Total Births
Eau Claire County	32	2.6	29	2.6
Chippewa County	13	1.1	8	1.2
Clark County	251	20.8	132	26.6
La Crosse County	5	.4	4	.3
Marathon County	41	3.4	29	1.9
State of Wisconsin	1,209	1.8	852	1.2

BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND COUNTY OF RESIDENCE

County	2010 Trimester Prenatal Care Began					Percent that Received First Trimester Care		
	Total Births	First	Second	Third	No Care	2008	2005	2000
Eau Claire	1,114	943	142	19	5	84.6	84.0	83.7
Chippewa	748	651	80	8	1	87.0	87.1	85.9
La Crosse	1,345	1,195	121	14	2	88.8	85.5	83.5
Marathon	1,656	1,406	211	25	4	84.9	83.1	78.8
Sheboygan	1,325	1,190	101	9	5	89.8	88.1	86.8
Wood	839	699	103	26	7	83.3	80.1	80.8
State of Wisconsin	68,367	57,595	7,959	1,512	438	84.2	85.0	83.9

Source: Wisconsin Department of Health and Family Services, Division of Public Health, Bureau of Health Information and Policy

CITY/COUNTY HEALTH DEPARTMENT
Balance Sheet as of 12/31/2011

Assets

Cash & Investments	918,922.00
Accounts Receivable	30,177.00
Due from Other Gov'ts	263,337.00
Current Tax Roll Receivable	1,700,133.00
Prepayments	72,464.00

Total Assets 2,985,033.00

Liabilities

Accounts Payable	173,502.00
Accrued Liabilities	35,101.00
Deposits	114,387.00
Due to Other Gov'ts	23,392.00
Deferred Revenue	1,887,748.00

Total Liabilities 2,234,130.00

Fund Balance

Undesignated Fund Balance	-
Designated for Prepayments	72,464.00
Designated for Subsequent Year Expenditures	483,039.00
Designated Carryovers for Grant Expenditures	195,400.00
25003Reproductive Health	19,100.00
25004Prevention	4,600.00
25008Immunization	8,700.00
25028Bioterrorism	30,700.00
25030Misc Grants	1,000.00
25010DNR	3,000.00
25017Well Woman Program	23,600.00
25044SPF/SIG	40,800.00
25045Medical Reserve Corp	8,400.00
25049DPI grants	16,000.00
2602065CDBG	39,500.00
	<u>195,400.00</u>

Total Fund Balance 750,903.00

Total Liabilities & Fund Balance 2,985,033.00

CITY/COUNTY HEALTH DEPARTMENT
Statement of Revenues, Expenditures and Changes in Fund Balance
Final December 2011

Revenues	BUDGET	ACTUAL YTD	Percentage based on annual budget
City Taxes	1,677,700.00	1,677,725.00	100%
WRS Loan - City	17,800.00	17,800.00	100%
WRS Loan - County	10,900.00	0.00	0%
Sewage System Maintenance Fees	59,500.00	55,825.00	94%
County Taxes	1,041,900.00	1,044,947.00	100%
TOTAL TAX LEVY	2,807,800.00	2,796,297.00	100%
LICENSES & PERMITS			
Rooming House Licenses	29,000.00	31,166.00	107%
Lodging	7,900.00	6,608.00	84%
Campgrounds	2,900.00	3,454.00	119%
Pools	28,100.00	26,797.00	95%
Retail Food Establishments	50,200.00	47,489.00	95%
Restaurants	139,500.00	139,678.00	100%
Mobile Home Parks	8,400.00	9,093.00	108%
Other licenses	1,900.00	1,590.00	84%
Tattoo & Body Piercing Permits	4,100.00	6,435.00	157%
Sanitary Permits	55,400.00	64,252.00	116%
Well Permits	5,300.00	8,450.00	159%
TOTAL LICENSES & PERMITS	332,700.00	345,012.00	104%
CHARGES FOR SERVICES			
Copier Revenue	300.00	323.00	108%
TB Testing	10,000.00	9,423.00	94%
Water Samples	28,500.00	39,426.00	138%
AA/GC Testing	18,300.00	4,417.00	24%
Wisconsin Fund	1,000.00	720.00	72%
Plat Review	2,000.00	1,229.00	61%
Landfill Inspections	1,200.00	807.00	67%
Soil Test Reviews & Filing	7,000.00	6,410.00	92%
Hepatitis B Vaccine	3,100.00	1,280.00	41%
Flu Shots	51,800.00	8,187.00	16%
Adult Health Maintenance Clinic	200.00	233.00	117%
AIDS Testing- Individuals	1,000.00	845.00	85%
STI Individuals	400.00	711.00	178%
Health Dept-Misc	1,000.00	3,105.00	311%
Housing Re-inspection fees	8,000.00	5,867.00	73%
State Aid-AIDS Testing	1,500.00		
Radon Test Kit Sales	0.00	3,159.00	#DIV/0!
HIV Partner Referral Services	4,700.00		

Rabies Clinic		0.09	
Misc Reimbursements & Refunds- Work Comp dividend		5,357.00	
Interest on Capital Equipment Fund		0.00	
Blood Lead tests/investigations	12,000.00	7,892.00	66%
TOTAL CHARGES FOR SERVICES	152,000.00	99,391.09	65%
TOTAL DEPARTMENT REVENUE	3,292,500.00	3,240,700.09	98%
GRANTS	1,026,400.00	909,562.00	89%
CHARGES FOR SERVICES-INTERGOVERNMENTAL			
Family Planning - Title 19	180,000.00	195,687.00	109%
Family Planning - Individuals	25,000.00	28,085.00	112%
Healthy Smiles Grant	7,000.00	28,206.00	403%
Birth to Three	44,200.00	58,643.00	133%
Transfer from CDBG	66,600.00	59,879.00	90%
Childen with Special Health Care Needs	0.00	840.00	#DIV/0!
Misc. - Non-State Grants		5,200.00	
School System - DPI Revenue		108,461.00	
TOTAL GRANTS	1,349,200.00	1,394,563.00	103%
TOTAL REVENUES	4,641,700.00	4,635,263.09	100%
EXPENDITURES	BUDGET	ACTUAL	Percentage
Salaries - Administration	297,900.00	303,545.00	102%
Salaries - Health Education	63,000.00	39,778.00	63%
Salaries - Nursing	913,200.00	917,852.00	101%
Salaries - Environmental Health	698,900.00	688,499.00	99%
Benefits-Administration	225,000.00	210,465.00	94%
Benefits-Health Education	30,500.00	15,411.00	51%
Benefits-Nursing	489,000.00	382,970.00	78%
Benefits-Environmental Health	345,000.00	305,777.00	89%
Unemployment Compensation	1,000.00	2,389.00	239%
Auto Allowance - Admin	1,000.00	1,413.00	141%
Auto Allowance - Health Education	200.00	10.00	5%
Auto Allowance - Nursing	20,500.00	14,899.00	73%
Auto Allowance - Environmental Health	29,500.00	28,467.00	96%
Postage & Shipping	15,800.00	13,886.00	88%
Computer Service Charges - MUNIS	4,500.00	16,732.00	372%
Printing & Binding	9,000.00	5,354.00	59%
Advertising/Marketing/Public Information	6,400.00	8,372.00	131%
Auditing	2,500.00	2,288.00	92%
Repairs to Tools & Equipment - General	3,500.00	2,333.00	67%
Building Rental	97,000.00	88,921.00	92%
Copy Machine Rental	3,000.00	2,857.00	95%
Contractual Employment - temporary staff	0.00	142.00	#DIV/0!
Flex Ben Plan Expenses	1,000.00	450.00	45%
Professional Services	20,000.00	16,298.00	81%

Legal	0.00	985.00	#DIV/0!
Recruiting Expenses	0.00	24.00	#DIV/0!
Training/meetings - Admin/Board	3,100.00	3,823.00	123%
Training/meetings - Health Educator	800.00	171.00	21%
Training/meetings - Nursing	4,900.00	6,997.00	143%
Training/meetings - Environmental	4,200.00	5,299.00	126%
Membership/Dues	600.00	1,065.00	178%
Information Systems Support/Maintenance	24,700.00	14,971.00	61%
Telephones	13,000.00	9,991.00	77%
Cell Phones	0.00	1,009.00	#DIV/0!
Workers Compensation	6,500.00	12,626.00	194%
Liability/Property Insurance	1,600.00	1,484.00	93%
Office Supplies	8,000.00	9,893.00	124%
Books & Periodicals- Admin	800.00	561.00	70%
Books & Periodicals- Nursing	1,800.00	1,616.00	90%
Books & Periodicals- Environmental Health	600.00	1,862.00	310%
Equipment Purchases <5,000 - Admin	53,700.00	19,410.00	36%
Equipment Purchases <5,000 - Health Educator		95.00	
Equipment Purchases <5,000 - Nursing	0.00	1,460.00	#DIV/0!
Equipment Purchases <5,000 - EH	0.00	2,506.00	
Health Education Materials	1,300.00	983.00	76%
STD/AIDS Supplies	2,500.00	335.00	13%
Hepatitis B Vaccine	2,500.00	1,589.00	64%
Flu Vaccine	30,000.00	7,566.00	25%
Medical Supplies	8,200.00	7,595.00	93%
Repairs/Replacements - Nursing	5,200.00	1,500.00	29%
Repairs to Tools & Equipment - EH	3,500.00	3,815.00	109%
Environmental Supplies	1,000.00	1,077.00	108%
AA/GC Supplies	9,500.00	10,539.00	111%
Lab Supplies	33,000.00	27,671.00	84%
Garbage Ordinance Items	2,500.00	513.00	21%
POWTS program supplies		40.00	
Blood Lead Testing Supplies	2,000.00	2,057.00	103%
Transfer to Debt Service	28,700.00	28,637.00	100%
TOTAL DEPT EXPENDITURES	3,531,600.00	3,258,877.00	92%
GRANT EXPENDITURES	1,349,200.00	1,420,553.00	105%
TOTAL EXPENDITURES - DEPT & GRANTS	4,880,800.00	4,679,430.00	96%
REVENUE OVER EXPENDITURES	(239,100.00)	(44,166.91)	
FUND BALANCE AT BEGINNING OF YEAR	608,177.00	795,068.00	
FUND BALANCE AT END OF PERIOD		750,903	

