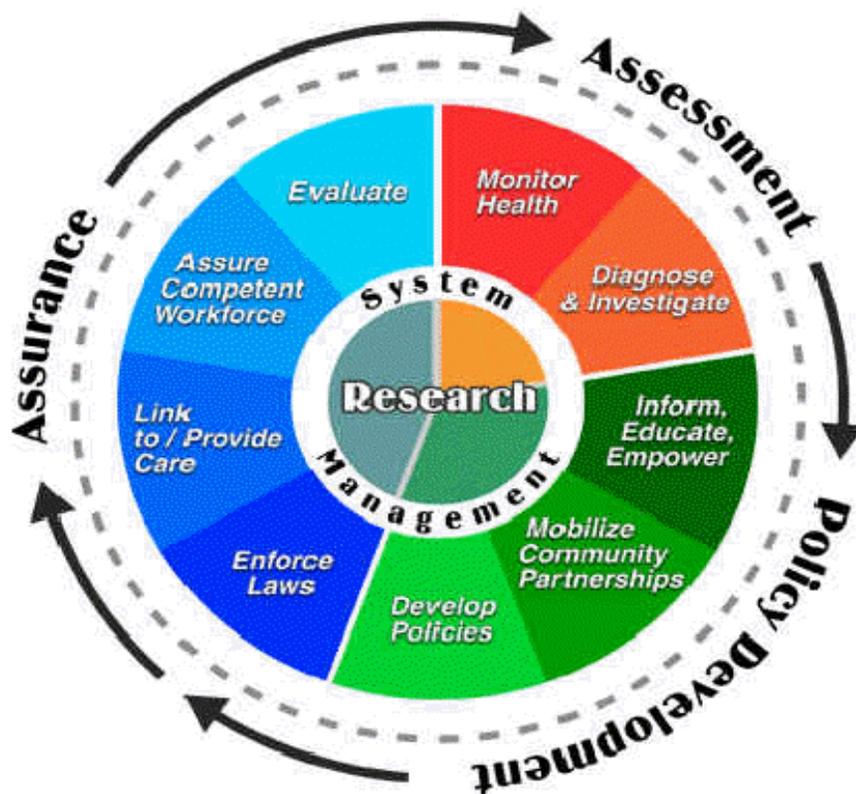




# PUBLIC HEALTH DEPARTMENT

# 2008

# FULL ANNUAL REPORT



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## 2008 ANNUAL REPORT

January 1 thru December 31

### EXECUTIVE SUMMARY



#### OZAUKEE COUNTY PUBLIC HEALTH DEPARTMENT

*TO THE HONORABLE BOARD OF SUPERVISORS OF OZAUKEE COUNTY, WISCONSIN*

Dear Ladies and Gentlemen,

**Mission Statement:** *The Mission of the Ozaukee County Public Health Department is to prevent disease and to promote and protect the safety and health of all county residents.*

#### **Introduction:**

Each of us is confronted daily to improve our own personal health, but how would we improve the health of our community as a whole? Building healthy communities is an ongoing challenge for the Board of Health, the Public Health Department, and community partners. In 2008, Ozaukee County Public Health used a combination of methods and involvement in public services to influence healthy choices and to improve healthy outcomes. The Executive Summary provides one to two highlights from each public health core function; the full annual report summarizes the work done through our established programs and services and spotlights new areas in which public health encouraged community decision-making to improve safety, health and well-being of residents. The full report is available on the internet at:

<http://www.co.ozaukee.wi.us/AnnualReports/2008/PublicHealth.htm>

#### **Summary of Highlights:**

***GENERALIZED PUBLIC HEALTH NURSING:*** *WI Statute 251.04(8); Administrative Rule HFS 140.04(1) (a);*

***HEALTH PROMOTION:*** *WI Statutes 251.05(2)(a) and 253.06; Administrative Rule HFS 140.04(1)(c)*

**COMMUNITY HEALTH ASSESSMENTS** are viewed as important to the overall health of the community and to the improvement of local health agencies. Local health departments are required by law to conduct a community health assessment at least every five years. The last community assessment was completed in 2002 with health priorities determined thru 2007. In 2008, the process has once again begun with gathering and compiling health data from a variety of sources. This and other information will be utilized by the OHI (Ozaukee Health Initiative), a committee of local community leaders, to work through the CHIP (Community Health Improvement Plan) process. The OHI will be working in 2009 toward analyzing this data to identify health strengths and weaknesses of Ozaukee County and to determine goals for improving health outcomes over the next five years. Their recommendations will be submitted to the Board of Health for their review and adoption.

**THE 2008 WISCONSIN COUNTY HEALTH RANKINGS REPORT** found Ozaukee County the healthiest county in the state. This report is the sixth annual “health check-up” of the 72 counties and the City of Milwaukee, developed by the University of Wisconsin Population Health Institute. Over 30 measures of health are used to determine the overall health of each county in Wisconsin. Find the report at: <http://www.pophealth.wisc.edu/UWPHI/pha/wchr.htm>

***CHRONIC DISEASE AND INJURY PREVENTION: Chapter 255 and HFS 140 (1) (a) (4)***

**FALLS PREVENTION** was the focus of this year's prevention grant: 1 out of every 3 seniors (65 years & older) fall every year. Wisconsin ranks 2<sup>nd</sup> in the nation in the rate of deaths from falls. In Ozaukee County (2002-2004): 969 residents were seen in the emergency room for falls related injuries, 631 were hospitalized for falls related injuries, 16 died from falls. The "Sure Step" program (a falls prevention program developed by the University of Wisconsin Falls Clinic) was provided by a specially trained public health nurse to Ozaukee County seniors identified to be at high risk of falling.

**TOBACCO data** from the "Burden of Tobacco in Ozaukee County\*" reports 82% of Ozaukee County's adult population has chosen a healthier lifestyle by not smoking. The 18%, who do smoke, cause approximately \$33.7 million dollars in health care and approximately 15% of all deaths each year are directly attributed to smoking in Ozaukee County. Through efforts of the OHI, a list of smoke-free restaurants are maintained on the Public Health web page and have been mailed certificates of recognition to all smoke free restaurants in Ozaukee County. \*Published by WI Division of Public Health's Tobacco/Control Program

**WISCONSIN WELL WOMAN PROGRAM (WWWP)** provides preventive health screening services to low income, uninsured or underinsured women residing in Wisconsin. Breast and cervical cancer screening has been the primary reason for funding since 1994. Eligible women are enrolled through Ozaukee County's WWWP coordinator, a public health nurse. The WWWP focuses on women who are age 35 through 64 with a household income at or below 250% of the current federal poverty level. In 2008, 64 women participated in the WWWP screenings. Twelve (12) women had abnormal screenings and needed further evaluation and follow-up. Eight (8) Ozaukee County women are currently enrolled in Wisconsin Well Woman Medical Assistance T-19 (WWWMA) for treatment of breast cancer and four (4) women for treatment of pre-cancerous conditions of the cervix or cervical cancer.

***HUMAN HEALTH HAZARD CONTROL: WI Statutes 251.05(2) & 252; Administrative Rule HFS 140.04(1) (e) & (f)***

**THE ENVIRONMENTAL HEALTH SPECIALIST (EHS)** addressed over 480 citizen environmental concerns. These concerns included issues of housing and home safety, lead, indoor air quality (mold), food safety, drinking and beach water quality, pest and animal control, sewage, solid and hazardous waste, radon, asbestos, West Nile Virus, occupational health, and emergency preparedness. In response to the 2008 flooding, the EHS worked with the Wisconsin Department Natural Resources, the Village of Thiensville, and with private and public well owners to determine if well water drinking supplies were safe for consumption. Water, from public and private wells in Thiensville, was tested for bacteria and appropriate follow up taken to inform well owners of the bacteriological condition of their well water. In addition the EHS answered well owner issues and concerns and distributed free well test kits. In some cases chlorination guidance was provided.

**MEDICATION COLLECTION DAY** held on April 19, 2008 was a very successful event. This event was sponsored by the following partners, Columbia St. Mary's Ozaukee Hospital, MATC, Village of Saukville Water and Waste Water Department, Ozaukee County Sheriff, Highway and Public Health Departments. This year we initiated two drive through drop off sites; Highway Department, Port Washington and MATC in Mequon. We collected 399 pounds of pharmaceuticals and 13 pounds of inhalers in Port Washington and 601 pounds of pharmaceuticals and 9 pounds of inhalers in Mequon. A total of 1,022 pounds were kept from our landfills and water. Public Health also took this opportunity to test out portions of our Mass Clinic Plans. We tested communication equipment, supplies, just in time training for volunteers, Incident Command procedures and forms, use of ESPONDER, and use of equipment such as signage.

## **COMMUNICABLE DISEASE CONTROL:** *Chapter 252 of the Wisconsin Statutes and HFS 140 and 145*

**WITH COMMUNICABLE DISEASE CONTROL**, the first priority is to take whatever actions are needed to prevent spread from the infected individual to others in the community. Efforts also involve attempts to locate the source of the infection and to identify any outbreaks or community wide increases in illness. We continue to cross train nursing staff in communicable disease investigations. A new state electronic surveillance system will be implemented at the health department in 2009. This system will be utilized by labs and medical providers for their reporting. It is predicted that improved surveillance with this system, could increase the workload by 30%. 265 communicable diseases were investigated this year with 213 confirmed.

**IMMUNIZATIONS** are a primary way to help prevent the spread of disease. The health department continues to provide adult and childhood vaccines and we have seen an increase in the delivery of these vaccines; 355 more vaccines were given in 2008 (3,430 total, not including flu). A new emphasis was initiated thanks to the Wisconsin Immunization Program, who received federal supplemental funds for the purchase of hepatitis B vaccine for adults at high risk for viral hepatitis. The goal of this initiative is to improve vaccination coverage and to reduce the incidence of acute hepatitis B among adults in Wisconsin. A total of 235 vaccines were administered; 66 Hepatitis B-Adult and 169 Hepatitis A/B Combo.

**INFLUENZA VACCINE** manufacturers were right on schedule with this year's production of flu vaccine, therefore, we were able to start flu clinics in early October. The influenza recommendations from the CDC this year were for anyone who is at risk of complications from the flu with special emphasis to encourage Health Care workers to receive the vaccine. Vaccines were provided to individuals in group homes, senior meal sites, industries and business offices, open clinics through out the community as well as at the office of the Public Health Department. The Public Health Department administered 6,194 adult doses and 690 pediatric doses of flu vaccine. The FluMist, a nasal vaccine now available for children two years of age through adults of 49 years, was more highly accepted this year then in the past. We will continue to provide vaccine at our office in 2009 for the remainder of the flu season.

**PREPAREDNESS PLANNING** in 2008 was a very productive year working with three Bioterrorism Grants; Preparedness Grant, Pandemic Influenza Grant and the Cities Readiness Initiative (CRI) Grant. Public health staff met and or exceeded all of the required grant objectives. Some of the highlights based on the objectives include: 1) the revision of the Public Health Emergency Plan (PHEP). Many of the revisions were a result of statewide efforts and many were the result of local planning efforts. It is very comprehensive and includes the Mass Clinic Plan, IPS (Interim Pharmaceutical Stockpile) plan, SNS (Strategic National Stockpile) Plan, and the developing Cities Readiness Initiative Plan. 2) All of the PH staff is certified in the Public Health Emergency Preparedness Core Competencies; staff is critical in any public health emergency. All PH staff have been trained in ICS (Incident Command System) and all are NIMS (National Incident Management System) compliant. We will continue to be trained in additional competencies in 2009. 3) By facilitating with our local medical partners we were able to submit to the Division of Public Health an Ozaukee County Antiviral Distribution Plan for Pandemic Influenza that designates local treatment centers. We are very appreciative of our partners, Columbia St. Mary's Ozaukee and Advanced Health Care for their commitment and follow through in these planning efforts to assure that Ozaukee County is better prepared to serve our citizens. 4) Plans and parts of plans were tested and reviewed through exercises. We always learn from these events and continually improve plans and staff skills. 5) Purchased needed equipment that will assist in an emergency, such as communication systems, personal protective equipment, 'go kits' with variety of supplies and an 'alert notification system' called **MYSTATEUSA** to be implemented by the County Sheriff's department in 2009. This system will allow public health to call out citizens to a mass clinic in a systematic manner that will help to control traffic flow. This system calls out alerts to land and cell phones to provide emergency notification.

***MATERNAL CHILD HEALTH: Chapter 253 of the Wisconsin Public Health Statutes***

**THE MATERNAL CHILD HEALTH (MCH) program** has continued to emphasize collaboration with community agencies in the year 2008 in an ongoing effort to strengthen families in Ozaukee County. In 2008, the MCH program identified two grant objectives that addressed 2010 health priorities. The first objective was to provide 30 infants and their parents who were not enrolled in a Medicaid program at least one public health nurse home visit. The grant focus was to target mothers that were primipara who had identified needs or concerns prior to hospital discharge, experiencing difficulties with breastfeeding, complications during delivery or postpartum, limited learning skills, mental illness, or a history of alcohol or other drug dependency. The public health nurse completed an infant and maternal assessment, offered breastfeeding/bottle feeding instruction and support, provided anticipatory guidance, evaluated family for resource needs and reviewed home safety issues. The second grant objective was that the parents or caregivers of 60 children ages birth through seven years would be properly positioned in a child passenger safety car seat. According to the SPHERE Database System, a total of 718 MCH visit sessions were made to families in Ozaukee County in 2008. We continue to streamline and improve billing procedures with the Medicaid HMO's to assure reimbursement for services provided to this population.

**OZAUKEE COUNTY BOARD OF HEALTH: WI PH Statutes 2512.03(1), 251.04(1) (2)7(5)**

The Health and Human Services Board met monthly in 2008 to set health policy for Ozaukee County residents. Members include County Board Supervisors Janice M. Klemz, Chair, Cindy G. Bock, Vice Chair, Kathlyn M. Callen, Karl V. Hertz, and Robert T. Wallerstein. Community members include Carol A. Lueders-Bolwerk, RN, PhD, C. Perez, MD, Mary Jo Wirth, MS and Dale Bsepalec, PhD.

I want to thank all public health staff, volunteers and the Board of Health who worked very diligently to achieve the public health core functions, the Ozaukee County Public Health's mission, and the statutory requirements of a Level II health department.

Respectfully Submitted,

Glenda S. Madlom, BS, BSN  
Director / Health Officer



**Public Health**  
Prevent. Promote. Protect.

# OZAUKEE COUNTY PUBLIC HEALTH DEPARTMENT

## ADMINISTRATION:

Glenda S. Madlom, RN, BS, BSN     Director / Health Officer  
Mary B. DeLuca, RN, BSN         Assistant Director / Deputy Health Officer  
Dawn Fay                                 Administrative Services Coordinator

## PUBLIC HEALTH STAFF

Kathy Bleau, RN, BSN  
Caralee Jacque, RN, BSN  
Jeannine Kitzerow, RN, BSN  
Jan Koeppen, RN, BSN  
Diana Noack, RN, BSN  
Abbie Povletich, RN, BSN  
Debra Schmidt, RN BSN  
Jane Schulz RN, BSN  
Donna Ubbink, RN, BSN  
Joanne Viesselmann, RN, BSN  
Patty Ruth, BA  
Daniel Ziegler, BS, RS

## PROGRAM MANAGEMENT:

Communicable Disease  
Immunization Program, Healthy Child  
MCH\*, Scoliosis, CYSHCN\*  
Flu/Pneumonia/Hepatitis B, MCH team  
Migrant Health, Lead, Women's Health  
Adult Health Services, MCH team/Communicable Disease  
PNCC\*, MCH, E.E.\*, TCM\*, Health Check  
School Health, Pre-K Screening, Immunization Program,  
Women's Health, Student Nurse Preceptor  
WIC\*,  
Bioterrorism Project Manager  
Environmental Health Specialist, Lead, Beach Monitoring,  
Transient Non-Community Well Program, Radon

## CERICAL STAFF:

Alison Schmitz     Office Assistant  
Mary Johnson     Account Clerk  
Wendy Schwab     Office Assistant

\*MCH = Maternal Child Health

\*CYSHCN = Children and Youth with Special Health Care Needs

\*PE = Express Eligibility

\*TCM = Targeted Case Management

\*WIC = Women, Infants and Children

\*PNCC = Prenatal Care Coordination

\*\*\*\*\*

## Medical Advisor:

Celestino Perez, MD

## (Contracted Grant funds/MOU):

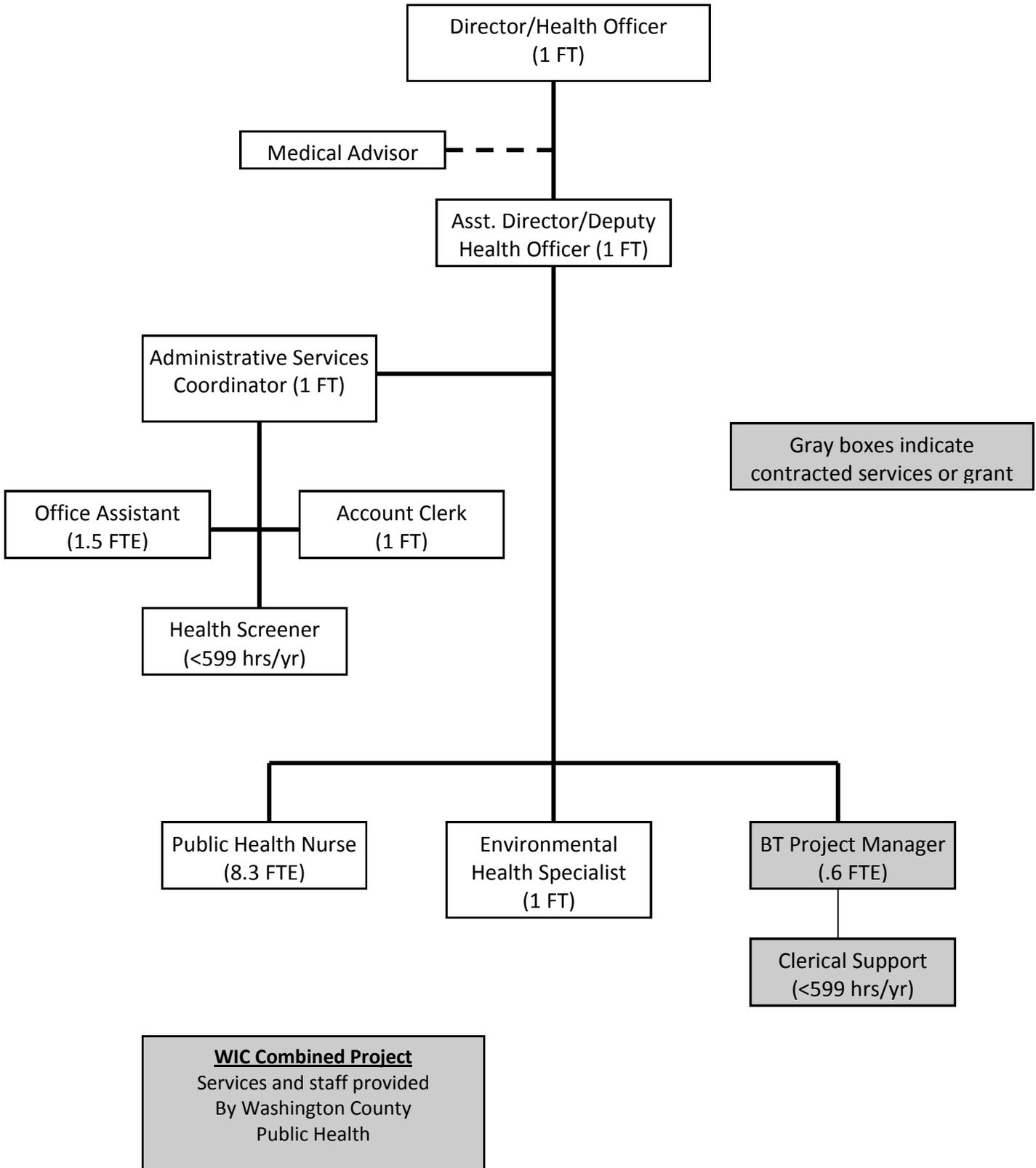
WIC:

Carol Birkeland, Director/Registered Dietician

Cindy Kapp Office Assistant / WIC (Position filled by Washington County staff member)

Quad County Consortium Staff: Kathy Riehle, Director; Ann Grundahl, Health Educator

OZAUKEE COUNTY PUBLIC HEALTH DEPARTMENT  
2008



**MISSION STATEMENT: The mission of the Ozaukee County Public Health Department is to prevent disease and to promote and protect the safety and health of all county residents**

**PHILOSOPHY**

Public Health services with a focus on the entire population include enforcement of health regulations, community health education regarding disease prevention, health promotion and community disease control activities. Services with a focus on sub-populations aim to improve the health status of that population in order to improve the health of all. Public health nurses have expertise in the collaborative interdisciplinary process of assessment, policy development, assurance activities, as well as health education and evaluation to promote healthy outcomes in a community. Health outcome indicators of public health nursing intervention include reductions in family violence, poor pregnancy outcomes, communicable disease, morbidity and premature mortality. Our cost-effective outreach, intervention and care coordination efforts result in disease prevention and health promotion. This is accomplished through managing and facilitating departmental and community efforts for the ongoing assessment of the community's health status, advancing a safe and healthful environment, promoting healthful behavior and providing or arranging for the provision of health services for the early diagnosis and treatment of disease and promoting an improved quality of life.

**GOALS AND CORE FUNCTIONS OF PUBLIC HEALTH**

1. Community **ASSESSMENT** of health risk factors and disease indicators in the community.
  - a. Evaluate data to identify risks and patterns of morbidity and mortality.
  - b. Evaluate health behaviors and patterns that identify potential people at risk.
2. Development of **POLICIES** to reduce health problems.
  - a. Analyze assessment data to identify potential and actual health problems.
  - c. Collaborate with other community programs / services addressing identified health problems.
  - d. Develop health policies for the needs of children, families, groups and communities.
3. **ASSURANCE** activities to ensure implementation of policies at the service delivery level.
  - a. Monitor service delivery to achieve targeted health care outcomes.
  - b. Monitor access, utilization and appropriateness of health services for the community, including under-served and targeted populations.
  - c. Participate in systems building needs assessment and other programs to promote positive health outcomes for the community.

**Wisconsin Twelve Essential Services for Local Public Health Include:**

1. Monitor health status to identify community health problems.
2. Identify, investigate, control and prevent health problems and environmental health hazards in the community.
3. Inform, educate and empower people about current and emerging health issues.
4. Mobilize community partnerships to identify and solve health problems.
5. Develop policies and plans that support individuals and community health efforts.
6. Enforce laws and regulations that protect health and ensure safety.
7. Link people to needed personal health services.
8. Assure diverse, adequate and competent workforce supporting public health systems.
9. Evaluate effectiveness, accessibility, and quality of personal and population-based health services.
10. Conduct research to seek new insights and innovative solutions to health problems.
11. Assure access to primary health care.
12. Foster the understanding and promotion of social and economic conditions that support good health.

# COMMUNICABLE DISEASE CONTROL AND INVESTIGATION

Chapter 252 of the Wisconsin Statutes and HFS 140 and 145

## CHILDHOOD AND ADULT IMMUNIZATION PROGRAMS

The immunization program, through two grant supported objectives, reached a vaccination coverage level of 60% for 2 year olds residing in Ozaukee County. The goal of healthy people 2010 is for 90% of children aged 2, to be completely vaccinated. These objectives were monitored using data and reports provided through the Wisconsin Immunization Registry (WIR). To maintain this high level of coverage, the health department partnered with area physicians and county WIC program to document all doses of vaccines given to our clients by comparing and combining individual vaccine records into the Wisconsin Immunization Registry (WIR). The registry has continued to improve levels of complete records and decrease chances of duplicate or invalid immunizations being provided. Each year, county and statewide, medical providers have signed on to use the WIR enabling the public and private sector providers to increase their ability to share and use the new data. The health department has continued to inform parents through immunization clinics, schools, and health department literature about the ability for parents to obtain their child's records by logging into the WIR website. By doing so, parents are becoming better informed regarding those vaccinations recommended for their children and are helping to keep their family's records more complete by assisting private providers and the Health Department to update childhood records. This process also assists schools with WIR access to improve student vaccine law compliance.

Sincere thanks goes to the Mequon Police Department for use of their building for one of five monthly clinics. At each of the regularly scheduled immunization clinics, vaccines for all ages were offered. In addition, immunizations were provided through worksite Adult Health Screenings, Healthy Child Wellness Clinics, Flu/Pneumonia clinics, WIC clinics, and special university and school clinics.

In March of 2008, Wisconsin Immunization Law changed for schools. Beginning in the 2008-2009 school year the new law began phasing in Tetanus/Diphtheria/Acellular Pertussis (Tdap) booster and a second dose of Chickenpox vaccine. The phasing in started with Tdap booster requirements for 6<sup>th</sup>, 9<sup>th</sup> and 12<sup>th</sup> grades. A second Chickenpox vaccine was required for those children entering Kindergarten, 6<sup>th</sup> and 12<sup>th</sup> grades. By the 2013-2014 school year, all grades will be incorporated into the school law update.

Immunization records are required to be maintained permanently. With storage and space becoming more limited, a temp employee was hired through a grant to convert paper records to an electronic imaging storage system. Approximately 40 to 50% of the records were completed in 2008.

<u>School Immunizations</u>	<u>Audit 2007</u>	<u>Audit 2008</u>
Cedarburg	99.00% Completely Immunized	99.24% Completely Immunized
Grafton	98.04% Completely Immunized	98.79% Completely Immunized
Mequon-Thiensville	99.72% Completely Immunized	99.69% Completely Immunized
Northern Ozaukee	95.10% Completely Immunized	100.0% Completely Immunized
Port Washington -Saukville	99.96% Completely Immunized	99.84% Completely Immunized

The following table indicates the number and kinds of vaccine administered:

<u>Vaccine Type</u>	<u>2007</u>	<u>2008</u>	<u>Increases/Decreases</u>
Injected Polio	135	153	+18
DTaP	182	185	+3
Td	195	119	-76
TdaP	576	40	+164
MMR	136	152	+16
Hib	28	28	+0
Hib/Hep B	86	34	-52
Hepatitis B-Child	37	49	+12
Hepatitis B-Adult	204	224	+20
Hepatitis A-Child	304	390	+84
Hepatitis A-Adult	160	148	-12
HPV (Gardasil)-Child	213	272	+59
HPV (Gardasil)-Adult	---	3	+3
Immunoglobulin (Ig)	---	---	---
Meningococcal-Child	216	195	-21
Meningococcal-Adult	---	11	+11
Rotavirus (Rotateq)	43	54	+11
Pneumococcal Poly (Pneumovax)	213	188	-25
Pneumococcal Conjugate (Prevnar)	138	115	-23
Typhoid	11	23	+12
Varicella(Chicken Pox)	213	347	+134
<b>TOTALS</b>	<b>3075</b>	<b>3430</b>	<b>+355</b>

	<u>2007</u>	<u>2008</u>
TB Skin Tests	271	229

	<u>Unduplicated clients served 2008</u>	<u>Immunizations given in 2008</u>	<u>%Change given from 2008 by site</u>
Mequon Site:	129	239	+29.2%
Port Washington:	648	1493	+31.5%
Office : (WIC clinics & Walk-in)	673	1231	+5.8%
Other Sites: (Work sites, Health Screenings, excludes Flu clinics)	783	1006	+13.0%

### HEPATITIS B INITIATIVE

Late in 2007, the Wisconsin Immunization Program received federal supplemental funds for the purchase of hepatitis B vaccine for an adult immunization initiative. The purpose of the initiative is to improve the delivery of viral hepatitis prevention services including hepatitis B vaccine and hepatitis A/B vaccine in public health programs that serve adults at risk for viral hepatitis. The goal of this initiative is to improve vaccination coverage among adults and to reduce the incidence of acute hepatitis B among adults in Wisconsin. Ozaukee County Public Health Department began implementation of this program in February 2008.

<u>Vaccine Type</u>	<u>2008</u>
Hepatitis B-Adult	66
Hepatitis A/B Combo	169

## **2008 INFLUENZA SUMMARY**

This year the production of flu vaccine by manufacturers was right on schedule, therefore, we were able to start our flu clinics in early October. The influenza recommendations from the CDC this year were for anyone who is at risk of complications from the flu and special emphasis to encourage health care workers to receive the vaccine. We were able to provide vaccine to individuals in group homes, senior meal sites, industries and business offices, open clinics throughout the community as well as at the office of the public health department. The public health department administered 6194 adult doses and 690 pediatric doses of flu vaccine. The FluMist, a nasal vaccine now available for children two years through adults of 49 years, was more highly accepted this year than in the past. We will continue to provide vaccine as clients come into our office through 2009.

## **COMMUNICABLE DISEASE INVESTIGATIONS: (Exhibit I)**

Communicable disease control is a major function of the Public Health Department, as required by state statutes. Approximately 80 different diseases are mandated as reportable to the local public health department for investigation and follow-up. The focus of the health department investigation is to stop the transmission of the infectious disease. The first priority is to take whatever actions are needed to prevent spread from the infected individual to others in the community. Efforts also involve attempts to locate the source of the infection and to identify any outbreaks or community wide increases in illness.

Throughout the year, intestinal infections that can be caused by such organisms as E.Coli 0157, salmonella, campylobacter, cryptosporidium, and giardia were reported. An important piece of any investigation into these illnesses is evaluating whether the person is involved in a high-risk occupation (such as food handling, day care, or health care) and to take measures to protect the public from possible exposure and infection.

Pertussis cases continue to be reported, although the rates are less than in past years. Because it is quite contagious, diagnosed individuals are kept in home isolation until they are no longer infectious, and those who were in close contact with them are given recommendations for treatment or symptom monitoring. A safe and effective pertussis vaccine for adolescents and adults became available in late 2005. It has been incorporated into the tetanus boosters that are given every 7-10 years, and is now being used routinely. Continued use of this vaccine should assist in decreasing the rates of pertussis disease in the future.

**Please review Exhibit I for statistical data.**

## **TURBUCULOSIS PREVENTIVE TREATEMENT PROGRAM**

Tuberculosis can pose a major public health threat. The health department investigates and does follow up on all suspected cases until they are proven to be free of TB. There were no new cases of active infectious tuberculosis (TB) reported in 2008.

The Public Health Department also provides medication for latent TB infection to persons who may have a positive skin test, but have negative chest x-rays and do not have active tuberculosis. These individuals show signs of exposure to TB, but have not developed infectious cases. In order to prevent them from going on to active disease in the future, six to twelve months of medication is often prescribed by the physician. The medication is supplied by the Wisconsin Division of Public Health to the Ozaukee County Public Health Department at no cost to the client. The medications are then issued to the client on a monthly basis. At medication pick up, the public health nurse evaluates for compliance and side effects at each visit.

Tuberculin skin testing is offered on both a routine and a post-exposure basis throughout the year. The nurses also provide education on tuberculosis prevention and treatment.

### **ANIMAL BITES/RABIES TESTING**

Some animal bites pose the potential to transmit rabies to humans. When such cases are identified, the animal may need to be tested for rabies. The testing is performed at the Wisconsin State Lab of Hygiene in Madison. The Ozaukee County Public Health Department’s role is to assist in coordinating the testing with local animal control officers, local veterinarians and the lab. A nurse also contacts the bite victim and offers recommendations about appropriate medical follow-up, and updating vaccines.

An “Animal Bite” brochure can be accessed on the website at *N:\Web Page\Animal Bite Brochure 2006.pdf*. It is intended as an educational handout for the public, and discusses prevention of bites and what to do if bitten by an animal.

#### **Animals Tested for Rabies**

	<b>2008</b>	<b>2007</b>	<b>2006</b>
Cat	6	12	18
Dog	12	12	11
Cow	0	0	0
Horse	0	0	1
Bat	3	10	6
Raccoon	1	0	2
Chipmunk	0	1	0
Fox	0	1	0
Muskrat	0	1	0
<b>Total</b>	<b>22</b>	<b>37</b>	<b>38</b>

### **HIV PARTNER REFERRAL PROGRAM**

The Ozaukee County Public Health Department is notified of anyone who is newly diagnosed with HIV infection. The public health nurse contacts those individuals and assists them in identifying anyone who may have been exposed to their infection. Those exposed persons are then notified of possible exposure to HIV and are counseled to get tested and on risk reduction. Strict confidentiality is maintained throughout all aspects of these investigation follow-ups.

## **MATERNAL CHILD HEALTH**

Chapter 253 of the Wisconsin Public Health Statutes

### **POSTPARTUM PROGRAM**

The Ozaukee County Public Health Department’s Maternal Child Health Program has continued to emphasize collaboration with community agencies in the year 2008 in an ongoing effort to strengthen families in Ozaukee County. .

The Postpartum Discharge Program offers a free home visit to assure that new mothers and babies make a safe and successful transition from hospital to home. A home visit assessment or a telephone screening of both the mother and the baby is made for the purpose of identifying potential risks, evaluating emotional health, continuing educational needs, providing reassurance and referring to

appropriate community resources. All families are offered a mailing of educational materials and community resources. UW-Extension collaborates with Public Health by offering first time parents a monthly parenting newsletter and a bi-monthly mailing for parenting the second and third year. Family Preservation provided financial assistance for the educational materials that are offered to families.

### **CHILDREN AND YOUTH WITH SPECIAL HEALTH CARE NEEDS**

The Children and Youth with Special Health Care Needs (CYSHCN) project is through the Division of Public Health–WI Maternal and Child Health Program. This is the third cycle of the 5-year grant cycle. The target is families with youth and children ages 0-21yrs with special health care needs. The long-range goal is to better coordinate delivery of resources to families at the local level. Ozaukee County Public Health Department continues to work closely with grant administrators through Children’s Hospital of Milwaukee. The most frequent diagnosis in 2008 continued to be that of prematurity and low birth weight. Many of these infants were referred by surrounding hospitals and physicians. The childbirth records are reviewed weekly to identify CYSHCN. Early intervention and referral to specialty services is the key in helping these families make a successful transition from hospital to home. Public Health, Human Services, and Port Washington-Saukville school system provided a countywide resource night for all families.

In 2008, 39 clients were served under referral and follow-up. The top referrals were to Birth to Three, dentist, Economic Support BadgerCare, WIC, primary care providers and the local health department.

### **MCH CONSOLIDATED GRANTS**

In 2008, the MCH program identified two objectives that addressed 2010 health priorities in Ozaukee County. The first objective was to provide 30 infants and their parents who were not enrolled in a Medicaid program at least one public health nurse home visit. The grant focus was to target mothers that were primipara who had identified needs or concerns prior to hospital discharge, experiencing difficulties with breastfeeding, complications during delivery or post partum , limited learning skills, mental illness, or a history of alcohol or other drug dependency. The public health nurse completed an infant and maternal assessment, offered breastfeeding/bottle feeding instruction and support, provided anticipatory guidance, evaluated family for resource needs and reviewed home safety issues.

The second objective was that the parents or caregivers of 60 children ages birth through seven years would be properly positioned in a child car safety seat. Three public health car seat technicians instructed caregivers on the proper installation of 123 child safety car seats.

### **EXPRESS ENROLLMENT**

Express Enrollment (EE) is a program that has been available to Ozaukee County’s pregnant women population. This program targets uninsured pregnant women whose income does not exceed 185% of the federal poverty level. Recipients found eligible for this program receive a temporary Medicaid certification that allows them to receive immediate pregnancy related outpatient services while their application for Healthy Start is being processed. Early prenatal care is vital in helping achieve healthy birth outcomes-an ongoing goal of Ozaukee County Public Health for its prenatal population. **Ozaukee County completed 25 applications in 2008.**

### **PRENATAL CARE COORDINATION**

Prenatal Care Coordination (PNCC) is a program that has been provided to Ozaukee County’s pregnant women since 1993. This Medicaid funded program helps pregnant women & their families gain access to medical, social, educational and other necessary services related to the pregnancy.

These services are available during the pregnancy through the first 60 days following delivery. Services include:

- Outreach
- Initial prenatal risk assessment
- Care plan development
- Ongoing care coordination & monitoring
- Health education & nutrition counseling services

The goal of the program is to improve birth outcomes among women who may be at high risk for poor birth outcomes.

**In 2008, 66 pregnant women received a prenatal risk assessment.**

## **TARGETED CASE MANAGEMENT**

The Ozaukee County Public Health Department has been participating in a program known as Targeted Case Management (TCM) since 2004. This is a benefit that is available to Medical Assistance (MA) eligible clients who reside in Ozaukee County and are determined to be eligible under the following target populations:

- Families with children at risk
- HIV infection
- Asthma
- Tuberculosis
- Age 65 or older

The goal of the program is to improve a client's access to health care, & managing of services received by a client, including, medical, social, educational, vocational, & rehabilitational services. The objectives identified by the department are as follows:

**In 2008, 212 clients/families were served in this program.** Assisting families to locate resources enhances family stability and promotes individual management of their identified needs.

The SPHERE Data Base Computer Program was used to enter data allowing staff and the Wisconsin Division of Health to view vital information on gaps in services for all populations served. According to the SPHERE Database System, a total of 718 visit sessions were made to families in Ozaukee County in 2008. The following is a summary of the number clients served under each of the specific MCH programs. A visit session is defined as one of the following: a home visit, office, telephone (being at least 15 minutes long,), clinic, community, worksite or other.

- 32**-CYSHCN (Children with Special Health Care Needs)
- 119**-Postpartum Discharge (up to 60 days postpartum)
- 66**-PNCC (Prenatal Care Coordination)
- 25**- E.E. (Express Enrollment)
- 212**- TCM (Targeted Case Management)
- 118**- Health Checks (developmental and emotional screening)
- 45**- Post Partum Home visitation grant
- 101**- Car Seat Check grant (Proper placement of child in car seat)

The Public Health Department continues to collaborate with community partners in the programs listed below:

1. Child Abuse Prevention Committee
2. Southeast Wisconsin Safe Kids Coalition.
3. Birth to Three Advisory Committee
4. Family Support

5. United for Health
6. Jail Health
7. Nutrition Council
8. PNCC Regional Committee

This year, Crossroads Presbyterian Church held a Christmas Luncheon sponsoring a baby shower to donate those items to the Public Health Giving Closet. We very much appreciate their generosity. These items are given to low income and needy families or foster parents.

### **CHILD CAR SAFETY SEAT GRANT**

Ozaukee County Public Health Department applied for and received a grant from the Wisconsin (Department of Transportation) DOT to purchase and distribute child passenger car seats to be given out to low income families in Ozaukee County. Also, Trinity Lutheran Church contributed \$1,000 toward purchase of car seats. All clients were assessed (WIC, PNCC, TCM) for the need of a seat or education on their proper use. We receive requests for child passenger restraints from individual residents, Family Sharing, and the Food Pantry. Each seat from this grant must have a certified car seat technician to educate and instruct the family how to install the seat. In 2008, our car seat technicians instructed caregivers on the proper installation of 123 child safety car seats and given out 42 seats to low income clients in Ozaukee County.

The Health Department participates in the regional 'Safe Kids Coalition' as part of our injury prevention program(s). This year, Joanne Viesselmann, Public Health Nurse, was presented an award by the Coalition for the work that was achieved in childhood safety programs for Ozaukee residents. The trophy is displayed in the health department's lobby display case.

### **HEARING: (Exhibit II)**

Hearing and vision screening programs are conducted in each Ozaukee County school from September through April. Preschools are also offered the hearing screening services for children ages 4 and 5. A Health Screening Technician with occasional RN assistance, and a large contingent of parent volunteers at each school that performs the hearing and vision screenings.

If a hearing difficulty is identified during the initial screening, a hearing recheck is provided in 4-6 weeks at the school. If the student does not pass the hearing recheck, a letter with recommendations is sent to parents. Our hearing screening program serves children age 4 to grade 3, and any other age level if a parent or school staff requests a screening. Parents of students who fall below our screening threshold are sent a letter explaining the screening results. Parent responses to hearing referral letters are collected throughout the year and are added to the statistics as they are received.

### **VISION (Exhibit III)**

Our vision screening program serves children age 4 through grade 8, and any other school age if a parent or school staff makes a request. Distance vision screening is performed at each Ozaukee County school in the fall. If any deficiency is suspected, a letter of recommendations is sent to the parent/guardian. The public health department also offers free vision and hearing screenings for age 4 through adult in our office throughout the year by appointment.

Kindergarten students are also screened for color deficiencies and depth perception. Parents of students who may potentially have a color or depth deficiency are called by the public health nurses or are sent a letter explaining screening results for their child.

Treatment recommendations are collected and added to our statistics as they are received throughout the school year. These responses come from the parents.

VISION USA—This Wisconsin Project provides free eye exams to eligible children age 18 and under from low-income working families who have no vision health insurance. Services are donated by volunteer optometrists and may be limited in some areas. Applications are available at schools and our public health office. Eligibility requirements must be met to qualify. Local Lion’s Clubs are very active in vision preservation and will assist with funding vision needs on a case by case basis.

**SCOLIOSIS SCREENING**

Scoliosis screening was conducted in all Ozaukee County schools for 6<sup>th</sup> and 7<sup>th</sup> grade girls and 8<sup>th</sup> grade boys and other grade level students per request each year. Students were initially screened by the public health nurses and often times were accompanied by our health screening technician. The school nurse for the Port Washington/Saukville District with the assistance of our department’s health screening technician screens the students in her district. Nurses view students’ backs and profiles and note discrepancies on a scoliosis screening form. Nurses use a scoliometer to measure the possible degree of curvature and note that measurement on the screening form. Those students who fall outside of the screening parameters are then offered a free in-school screening by a board certified volunteer orthopedist. The physician makes recommendations to the parents for any follow-up through a letter or telephone call by the health department. The proportion of students the nurses refer to the orthopedic physicians is low, however, 73% of those cases are recommended for further follow up. Follow up recommendations may include: student being referred to their family physician for x-rays, a referral to an orthopedist for care and treatment, recommended exercises, student to be screened by public health nurse again next year even if they fall outside of the usual grade levels being screened, student to be screened by orthopedist again next year, or no follow-up required.

The scoliosis statistics are as follows:

- 6<sup>th</sup> grade girls screened 406
- 7<sup>th</sup> grade girls screened 479
- 8<sup>th</sup> grade boys screened 495
- Total number of students screened for 2008 1380

**Number of students screened by MD after initial PH screening: 30**  
**Number of students MD makes recommendations for follow up: 22 (73 %)**

**EARLY CHILDHOOD AND KINDERGARTEN SCREENING**

The public health department’s nurses participate in the screening programs offered by a few of the Cedarburg and Grafton schools . Vision and hearing screenings are for children who will be entering five-year-old kindergarten or children entering the early childhood programs. Some children who are screened have been identified by their parents as having a possible delay. Screening is usually done several times during the school year. The goal is to find any delays in development and to encourage early medical and educational intervention. Public health nurses offer available resources or referrals.

**WIC (Women, Infants and Children)**

WIC is a supplemental nutrition program that provides food vouchers and education to women, infants and children who exhibit a nutritional risk and are financially eligible. A grant from the State of Wisconsin fully funds this program.

In 2008, the Ozaukee County WIC Program served an average of 435 participants each month. The number of food packages issued this year was 5,215. There were a total of 867 people served by the program throughout the year. The following is a breakdown by percentages of clients per program category:

- 29% were women (either pregnant, or postpartum)
- 23% were infants under one year
- 48% were children ages one to five

WIC foods available with vouchers include milk, eggs, natural fruit juices, cheese, iron fortified cereals, peanut butter and infant formula. Ozaukee County has 12 contracted vendors where clients can redeem their vouchers. In 2008, WIC drafts generated \$302,511.74

Each participant receives a nutrition and health assessment at each 6 month certification. Lead screening and needed immunizations are offered at each visit. This year again flu vaccine was offered to eligible clients after their WIC visit. A public health nurse assesses every pregnant woman participating in WIC and offers her pregnancy/ parenting education along with information on available community resources. Breastfeeding continues to be recommended as the best nutrition for her baby to each pregnant participant. This year, WIC developed a position for a Breastfeeding Peer Counselor who provides telephone support both prenatally as well as at various times throughout the postpartum period. She also provides breastfeeding classes and home visits to those who need additional support. This year, 78.5% of moms (that were on WIC prenatally) initiated breastfeeding post delivery, of these mothers, 78.5% breastfed at least 1 month; 63% of them breastfed at least three months and 29% breastfed at least 9 months.

This year the Farmers Market Nutrition Program was again offered in our WIC Program. Its major goal is to increase the choice and consumption of fresh fruits and vegetables and at the same time help promote greater business for local farmers. WIC participants also have a greater awareness of the local Farmers Markets and utilized this resource more than last year. In 2008, vouchers worth \$2,091.00 were redeemed for recipients in Ozaukee County.

## **HEALTHY CHILD WELLNESS CLINIC**

The program is designed to assist families with children who meet financial criteria between 0 and 18 years old, living in Ozaukee County who have no medical insurance, insurance that does not cover well child check-ups, insurance with high deductibles and/or high out-of-pocket costs or families with a low income who do not qualify for Medicaid or BadgerCare.

### **A healthy child clinic visit is designed to:**

- keep the child healthy and up-to-date with immunizations against many childhood diseases.
- allow parents to ask questions and to discuss concerns about their child's overall health.
- give the doctor and parents the chance to talk about child safety and developmental issues.
- help identify health problems or growth and development delays and assist in referring children for additional services.

### **Services Offered**

- child health history review
- screening and assessment of physical, dental, growth and development, and nutritional needs
- hemoglobin (blood Iron) for children 1-18 years old and lead screening for age 6 months through 5 years old
- hearing and vision screening
- immunizations are available and given as needed
- counseling on illness prevention, good nutrition, injury prevention, parenting and discipline is offered.
- referrals are made to other professional services as needed
- clinics are held by appointment several times a year at the health department based on physician availability.

**Well Child Service Providers:** Physician services are provided voluntarily through retired volunteer physicians. Nursing services, immunizations, hemoglobin and lead tests are provided by the Ozaukee County Public Health Department.

## **CHRONIC DISEASE AND INJURY PREVENTION**

Chapter 255 and HFS 140 (1)(a)(4)

### **CHILD CAR SAFETY SEAT GRANT**

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The Health Department participates in the regional ‘Safe Kids Coalition’ as part of our injury prevention program(s). This year, Joanne Viesselmann, Public Health Nurse, was presented an award by the Coalition for the work that was achieved in childhood safety programs for Ozaukee residents. The trophy is displayed in the health department’s lobby display case.

### **ADULT HEALTH SCREENING (Exhibit IV)**

- Adult Health Screening & Education programs are conducted by the health department throughout Ozaukee County at public sites & work sites.
- Provided screenings can include blood pressure, cholesterol, and diabetes.
- After an individual’s risks for cardiovascular disease have been identified, the individual receives risk reduction counseling by a public health nurse.

### **2008 CONSOLIDATED GRANT – PREVENTION PROGRAM OBJECTIVE**

Falls Prevention was the focus of this year’s grant:

- 1 out of every 3 seniors (65 years & older) fall every year.
- Wisconsin ranks 2<sup>nd</sup> in the nation in the rate of deaths from falls
- In Ozaukee County (2002-2004):
  - 969 residents were seen in the emergency room for falls related injuries.
  - 631 were hospitalized for falls related injuries.
  - 16 died from falls.
- The “Sure Step” program (a falls prevention program developed by the University of Wisconsin Falls Clinic) was provided by a specially trained public health nurse to Ozaukee County seniors identified to be at high risk of falling. A public health nurse evaluated and made recommendations to prevent further falls for 11 elderly residents.

### **WISCONSIN WELL WOMAN PROGRAM**

The Wisconsin Well Woman Program (WWWP) provides preventive health screening services to low income, uninsured or underinsured women residing in Wisconsin. Breast and cervical cancer screening has been the primary reason for funding since 1994. The grant is provided by the U.S. Centers for Disease Control and Prevention and administered for the WWWP by the Wisconsin Department of Health

Services, Division of Public Health. Women screened and diagnosed with breast or cervical cancer may be eligible for Wisconsin Well Woman Medical Assistance (WWWMA) which pays for treatment of breast and cervical cancer. WWWP also provides multiple sclerosis (MS) screening and support services. Women who have a high probability of having MS are referred to a primary care provider to start the MS assessment. Women who are determined to need further diagnostic testing are referred to a Regional MS Center. The program's primary focus continues to be breast and cervical screenings, and MS support services.

Eligible women are enrolled through Ozaukee **County's WWWP** coordinator. The WWWP focuses on women who are age 35 through 64 with a household income at or below 250% of the current federal poverty level. In 2008, 64 women participated in the WWWP screenings. Twelve (12) women had abnormal screenings and needed further evaluation and follow-up. Eight (8) Ozaukee County women are currently enrolled in Wisconsin Well Woman Medical Assistance T-19 (WWWMA) for treatment of breast cancer and four (4) women for treatment of pre-cancerous conditions of the cervix or cervical cancer.

### **OZAUKEE 100 FUND:**

The Ozaukee 100 Fund is administered through the Columbia St. Mary's Foundation and provides financial assistance for full or partial payment of women's health screenings. The breast cancer screening portion of the program encourages 100% of women in Ozaukee County to have routine breast cancer screenings. Eligible women must live in Ozaukee County and would not otherwise be able to get needed screenings. Financial assistance for other health services is considered depending on availability of funds earmarked for general use. Women can use the health care provider of their choice for screenings. Enrollment for this program is through the Ozaukee County Public Health Department. In 2008, (28) women were screened through the Ozaukee 100 Fund.

The work of the coalition is supported by tax deductible donations to Columbia St. Mary's Foundation Ozaukee. When donating please specify if you wish your donation to be used for breast health or general use. Checks should be made payable to: CSM Foundation, 4425 N. Port Washington Rd. Glendale, WI 53212. In the lower left notes line on your check, please add "Ozaukee 100 Fund". For enrollment or more information for WWWP or Ozaukee 100 funds, call the health department Monday thru Friday between the hours of 8:30 AM to 5:00 P.M. at 262-284-8170 or 262-238-8170

### **TOBACCO CONTROL INITIATIVES**

Ozaukee County Public Health Department maintains strong community partnerships in effort to control use of tobacco and decrease exposure to secondhand smoke.

A Tobacco Prevention and Control grant was received by the health department to benefit clients served in our Maternal Child Health Program. This is a grant objective involved implementation of a smoke-free homes campaign. Women of childbearing age, children, or families with children were assessed for tobacco smoke exposures in their homes. Clients with exposure to smoke in their homes were provided education, counseling and cessation resources as needed. The health department continues to address this issue as it remains one of our top 5 health priorities: to decrease tobacco use and reduce environmental exposures to secondhand smoke. An additional grant for 2008 was offered mid year for tobacco control activities. Ozaukee County Public Health Department participated in this grant by identifying supporters of smoke-free air at three of our already scheduled outreach events. The identified supporters were mailed a letter containing many online resources available in Wisconsin to remain involved with smoke-free issues.

The health department maintains representation on the Ozaukee County ATOD Consortium, which annually renews a federal grant for education and prevention efforts with youth alcohol, drug, and tobacco use. The ATOD consortium must include members from a broad spectrum of community partners. This

grant is from the Federal Drug-Free Communities Support Program, and its goal is to reduce or eliminate substance use by youth and eventually reduce use by adults.

The Ozaukee Health Initiative (OHI) members are focused on monitoring community progress related to our 5 health priorities: Overweight and Obese Adults and Children; Alcohol and Drug Use; Tobacco Use and Environmental Exposures; Preventive Health Screenings; and Increase Use of In-Home Carbon Monoxide Detectors.

## **MIGRANT HEALTH**

The Migrant Health program in Ozaukee County addresses health needs of migrant workers and their families. Approximately 120 Latino workers and their families came from southern Texas to work at the Lakeside Foods cannery in Belgium and their produce freezing plant in Random Lake. Most workers live in one of the two “migrant camps” in Belgium during their stay in Wisconsin, working May through November. These workers have low annual incomes; often have no health insurance, and minimal routine or preventive health care. Public health nursing service provided to the migrant population includes: health teaching, communicable disease follow-up, assistance with scheduling medical care appointments and coordination of care with other community agencies. There is a federally funded program for migrant workers outpatient health needs administered through Family Health/La Clinica Medical and Dental Center in Wautoma, WI. Public health nurses assist migrant workers to access providers who participate in a discounted voucher reimbursement program with this clinic. Primary care, chiropractic visits, optometric visits, dental care, prescription drugs, laboratory services, radiology imaging, and radiology interpretation are the voucher assisted services. These and many more outpatient healthcare needs are case managed by a public health nurse for the migrant workers.

Highlights in 2008: The voucher program provided 25 individuals and families with outpatient medical services. One migrant worker was hospitalized for over a month with a severe necrotizing fasciitis infection. He is Spanish speaking and his wife was still in Texas, which left him very lonely and isolated during his long hospital stay. Public health nurse case management activities included collaborating his care needs with social workers, financial counselors, and discharge planners at Columbia St. Mary’s, and advising Lakeside Foods on the risks of communicable infections in the migrant worker’s living quarters at the Belgium camp.

Each year we give special thanks to those healthcare providers who have been very generous in meeting the migrant worker’s healthcare needs in Ozaukee County. The following providers continue to participate in the Migrant Health voucher program:

- Dr. Celestino Perez and office staff.
- Dr. Salvador del Rosario and office staff
- Greenlane Family Practice Physicians, Dr. Raymond Bauer and staff
- Columbia St. Mary’s Ozaukee Campus Hospital
- Columbia St. Mary’s Charity Care Assistance Program
- Wisconsin Radiology Associates
- Wheaton Franciscan Medical Group, Drs. Stuart Hannah, Victoria Yorke and their staff
- Belgium Chiropractic, Dr. Edward Braun

Without the caring and assistance of these community partners, the Migrant Health Program would suffer, being unable to meet the immediate health needs of these workers and their families.

**ENVIRONMENTAL HEALTH SERVICES**  
Chapter 254 of the Wisconsin Public Health Statutes

**Environmental Health Specialist**

This year, the Environmental Health Specialist (EHS) addressed over 480 citizen environmental concerns. These concerns included issues of housing and home safety, lead, indoor air quality (mold), food safety, drinking, pond and beach water quality, pest and animal control, sewage, solid and hazardous waste, radon, asbestos, west nile virus, occupational health and emergency preparedness.

Many of the duties of the EHS include providing consultation to citizens and staff on environmental issues, investigation of potential human health hazards, writing press releases, maintaining aspects of the department website, presenting monthly reports to the County Health and Human Services Board, grant writing, assisting nursing staff with the follow up and investigation of food and waterborne disease outbreaks and program development and administration.

This year, the Environmental Health Specialist completed the requirements of the transient non-community well sampling and inspection program. The program is funded by the Wisconsin Department of Natural Resources (WIDNR) and the health department was reimbursed for each well sampled. A total of 198 public wells were sampled for bacteria and nitrates and 50 public wells were inspected.

In response to flooding, the EHS worked with the WIDNR, the Village of Thiensville, and with private and public well owners to determine if well water drinking supplies were safe for consumption. Water from public and private wells in Thiensville were tested for bacteria and appropriate follow up was taken to inform well owners of the bacteriological condition of their well water. In addition the EHS answered well owner issues and concerns and distributed free well test kits. In some cases chlorination guidance was provided.

From May through September, the EHS assisted the health department with a USEPA funded beach monitoring program at Lion's Den and at Harrington State Park. The EHS sampled beach water and the analysis for E. coli was completed by the City of Port Washington Water Utility. The EHS regularly attended WIDNR Beach Advisory Workgroup meetings to discuss and share information relative to administration of this field program and reported to the Health and Human Services Board via an end of beach season summary.

This year, the EHS assisted Concordia University to implement their own beach program. Concordia University has a high priority public beach which opened June 15, 2008. The EHS guided university staff and students through the details of beach monitoring, posting, and data entry. Concordia water sample analysis for E. coli was provided by a safe water drinking lab in Mequon.

The health department continues its effort to reduce childhood lead exposure and to identify children that have been lead poisoned. The department provides free blood lead screening to children ages six months to less than six years at WIC, primary care clinics and upon request. The total number of children screened in the county in 2008 was 707. This department screened 28 children or 4 % of that total. Of the total number of children screened, 10 cases or 1.4% had levels of blood lead that would be a serious health concern. In all cases, PHN's and EHS's work jointly to provide both information and services. Families are provided counseling on proper nutrition and lead hazard reduction techniques. The department provides a no-cost HEPA vacuum to parents for use in the home. Case management by a Public Health Nurse is provided when necessary, as per state protocol. The EHS conducts home risk assessments, which include lead inspection and the collection of environmental lead samples. This year, a Wisconsin Division of Health grant funding provided for the lead abatement of two homeowner properties. Windows were replaced in eligible properties in Port Washington and in Grafton.

In 2008, the health department continued to administer the HOME rental and homeowner rehab programs. At years end, the health department completed two homeowner projects. Five projects are scheduled for completion in 2009, which is the last year of the HOME grant.

Also in 2008, the health department applied for and received a radon outreach grant from WI Division of Health Services. Students from Homestead High School in Mequon received instruction and radon screening kits. A total of 92 homes were screened for radon and the health department provided appropriate follow up when necessary.

## **BIOTERRORISM PROGRAM GRANTS**

2008 was a very productive year for emergency preparedness planning under the Bioterrorism Grants. Ozaukee County Public Health Department received three grants regarding emergency preparedness. They were the Preparedness Grant, Pandemic Influenza Grant and the Cities Readiness Initiative (CRI) Grant. Both Pandemic and CRI grant terms were from August to August, while the Preparedness Grant is based on the traditional calendar year.

Ozaukee County Public Health Department met and/or exceeded all of our grant objectives. Some of the highlights based on the objectives include:

**Planning efforts with local and regional partners** - OCPHD worked with many partners as we planned and prepared for any public health emergency. Some of the partners have been regional and include: Washington, Sheboygan, and Fond du Lac Public Health Departments, the Quad County Public Health Consortium staff, Region 7 Hospitals, SE Region Emergency Management, CRI Counties, DNR, Department of Agriculture, COAD, DPH, Volunteer Centers from various counties, American Red Cross, Veterinarians and Parish Nurses from within and outside of Wisconsin. Planning with these partners took a variety of forms. We have had the opportunity to work with these partners via trainings, exercises, meetings, brainstorming and planning sessions. These interactions have helped move us forward with our county plans and we believe we have been able to assist others with their plans too.

We have also worked with many partners within our county this year. Some of these partners include: Columbia St. Mary's Hospital – Ozaukee Campus, Medical Clinics, Long Term Care Residential Facilities (Nursing Homes and CBRFs), Sheriff's Department and local police departments, Concordia University, Milwaukee Area Technical College, public and private schools within our County, VOAD (Voluntary Organizations Active in Disasters), Chambers of Commerce, Ozaukee County Highway Department, Pharmacies, Veolia, Ozaukee County Treasurer's Office, American Legion, Human Services, Non-Profit Agencies and many of the Ozaukee County Departments.

**Public Health Emergency Plan (PHEP)** - During 2008, we have revised the entire PHEP. Many of the revisions were a result of statewide efforts and many were the result of local planning efforts. Please note that the Revised PHEP is now very comprehensive and includes the Mass Clinic Plan, IPS (Interim Pharmaceutical Stockpile), SNS (Strategic National Stockpile) Plans, and the developing Cities Readiness Initiative Plan.

**Core Competencies for all Public Health Workers based on their role in a public health emergency** – The Health Officer sees all of the OCPHD staff as critical in any PH emergency. She has ensured that all PH staff has been trained in ICS (Incident Command System) and is all NIMS (National Incident Management System) compliant. In addition, all of the PH staff has taken and are certified in the Public Health Emergency Preparedness Core Competencies – Part 1 and Part 2. We will continue to develop and be trained in additional competencies in 2009.

**Developing our emergency response capacity for assisting individuals with special needs** - Ozaukee County Public Health Department (OCPHD) facilitates the Special Populations Emergency Planning Committee meetings. This committee is made up of individuals from OCPHD, Emergency Management, Lasata Nursing Home, American Red Cross, Quad County Public Health Consortium, and Ozaukee County Human Services (The Director of HS and several of the managers that serve elderly, individuals with physical, emotional and cognitive disabilities serve of this committee.) We also have representation from Mobility Manager, a transportation specialist that serves the vulnerable population. This group has been working diligently on identifying areas of need and developing strategies to meet these needs. In

addition we are developing a Tabletop Discussion Exercise to test some of our newly created plans. We anticipate that this will take place in the spring of 2009.

**Antiviral Distribution Plan for Pandemic Influenza** – Local public health departments were charged with facilitating meetings with local healthcare providers to establish Treatment Centers that will serve individuals with influenza during a pandemic. This was a challenging assignment, as it required getting all the providers together to discuss options. Ozaukee County can be proud of the partners that worked with us, as they demonstrated that they care deeply about the citizens of Ozaukee County, that they serve. It is with great satisfaction that we report we were able to submit to the Division of Public Health the two designated treatment clinics and hospital for the public, five long term care facilities and the Ozaukee County Jail. Having completed this task, we now look forward to having the state provide us with the guidance necessary for our continued progress in pandemic influenza preparation.

**Three Year Work plan for Pandemic Influenza** – The work plan continued to guide us in our planning efforts. Some of the critical areas of this work plan included working with key stakeholders, enhancing surveillance, strengthening partnerships within the health care system, developing collaborative plans for serving the public, testing, exercising and improving our plans, enhancing redundant communication systems and continued development of our Continuity of Operation Plans.

**Cities readiness Initiative (CRI) Plan** - Ozaukee County Public Health Department coordinated planning activities with state and local health departments, our local hospital and medical clinics, emergency management and law enforcement to plan for the implementation of at least one alternative method of dispensing to provide oral medications during an event within 48 hours.

One alternative method would be to use drive thru bays for dispensing medications. If we had to dispense medications to the entire population of Ozaukee County within 48 hours we will need 18 drive-thru bays. We will need 432 staff/day to perform this task. This is significantly less than the number of staff that is required in a traditional dispensing model. We will consider drive thru bays at Ozaukee County Highway Department, MATC North Campus, pharmacies, banks, and automobile dealerships. We also have started work on developing plans for other alternative models including dispensing at businesses that employ a large number of people and have a strong occupational health department.

OCPHD is currently contacting large businesses and industries requesting information from them including on and off hour contacts and the number of people they employ. We are also asking for fax numbers, as it is in our Crisis Communication Plan to use Blast Fax as a means of communication during a public health emergency. This data will assist us to move forward and consider businesses as closed PODS (Points of Distribution) for another alternative method.

**Testing our plans via exercises and drills, assessments and measures** – OCPHD has participated in many events to test and exercise our plans and the plans of regional and local partners. Some of these exercises include:

- Regional Pandemic Tabletop Exercise with colleges & universities
- Regional Tabletop Exercise testing the Strategic National Stockpile Plan
- Full Scale Pandemic Exercise with Washington County Public Health Department
- Local Full Scale Exercise – Medication Collection Day – Drive Thru Bays as an alternative plan.
- Full Scale Influenza Vaccination Clinics
- CRI Assessment done by the Center for Disease Control
- Tested alert & notification systems via Command Caller & 24/7 Calling Tree and noted response times.
- Tested various forms of our enhanced surveillance plan.
- Tested notification and response time between local and state Division of Public Health



<http://www.aurorahealthcare.org/yourhealth/comm-health-reports/art/2005-Ozaukee-County.pdf>

Each year, our public health grants received from the State Division of Health are based on the five priorities selected above. Grant objectives are often based on data gathered from these Community Health Surveys.

The Ozaukee Health Initiative (OHI) is a group of county and community members who review the health survey results, and continuously monitor community activity relating to the five health priorities. We have continuously broadened our membership base, currently including the chairperson being a County Board Supervisor and previous Board of Health chairperson; both Director and Assistant Director of Ozaukee Public Health Department; an additional County Board Supervisor; an Ozaukee County Public Health Nurse; the Director of Ozaukee Human Services; the Director of Ozaukee County Planning, Resources, and Land Management; the Manager of Ozaukee Community Programs; the UW Extension Family Living Consultant; the Columbia St. Mary's Ozaukee Campus Director of Operations; the Director of Programming at the Saukville, Feith Family YMCA; and the Primary Programming Specialist at Ozaukee Council, Inc. We are also fortunate to have an epidemiologist available for consultation at the State Division of Public Health Southeast Regional Office in Milwaukee.

Through efforts of the OHI, we have maintained a list of smoke-free restaurants located on the Public Health web page and have mailed certificates of recognition to all smoke free restaurants in Ozaukee County.

### **NURSING STUDENT PRECEPTOR PROGRAM**

Ozaukee County Public Health Department participates in providing public health clinical experiences to nursing students. In 2008, the health department provided four schools of nursing with clinical experiences. The health department provided experiences to one (1) student from the University of Wisconsin Oshkosh, one (1) from Columbia collage of nursing, one (1) from the University of Milwaukee and seventeen (17) students from Concordia University.

### **VOLUNTEERS**

A difference was made in 2008 by our dedicated and caring volunteers. Our department program benefited greatly from the numerous hours and talents of our many volunteers. In 2008, 420 volunteers donated 438 hours of service to the school hearing, vision, and scoliosis screening programs. Twelve volunteers donated 202 hours at our Blood Pressure and Adult Health screenings. One volunteer donated 180 hours to our Children with Special Health Care Needs program and 25 volunteers donated 185 hours of service at our flu/pneumonia clinics and our monthly immunization clinic in Mequon. Two physicians donated a total of 12 hours at Healthy Child Wellness Clinics and one physician donated 5 hours at our scoliosis re-screens. Volunteers provided a total of 1,022 hours of dedicated services.

The health department maintains current information and links for health issues on their web page. WEB page: <http://www.co.ozaukee.wi.us/PublicHealth/index.html>

Other Links to Ozaukee County Health Data:

Ozaukee County Health Profiles by year:

<http://dhs.wisconsin.gov/localdata/counties/ozaukee.htm>

Ozaukee County Burden of Tobacco:

[http://www.medsch.wisc.edu/mep/downloads/Documents/technical\\_reports/Burden%20of%20Tobacco%202006.pdf](http://www.medsch.wisc.edu/mep/downloads/Documents/technical_reports/Burden%20of%20Tobacco%202006.pdf)

Burden of Suicide:

<http://www.mcw.edu/display/docid20172/BurdenofSuicideinWisconsinReport.htm>

Burden of Suicide for Ozaukee County:

<http://www.mcw.edu/FileLibrary/Groups/InjuryResearchCenter/pdf/Ozaukee.pdf>

Wisconsin Health Rankings:

<http://www.pophealth.wisc.edu/UWPHI/pha/wchr.htm>

Ozaukee County Health Rankings snapshot:

<http://www.pophealth.wisc.edu/UWPHI/pha/wchr/2008/snapshots/ozaukee.pdf>

Environmental Health Tracking, Division of Public Health:

<http://165.189.78.7/EPHTWebsite/default.aspx>

Burden of Injury, Ozaukee:

<http://dhs.wisconsin.gov/health/injuryprevention/pdffiles/injuryreport.pdf>

GO TO EXHIBITS

**Exhibit I**

<b>2008 COMMUNICABLE DISEASE STATISTICS-OZAUKEE COUNTY</b>								
<b>REPORTABLE DISEASES- DIAGNOSED CASES</b>	<b>Fred./Belg.</b>	<b>Port/Sauk.</b>	<b>Grafton</b>	<b>Cedarburg</b>	<b>Meq/Thien</b>	<b>Total 2008</b>	<b>Total 2007</b>	<b>Total 2006</b>
Amebiasis				1	1	2	n/a	n/a
Blastomycosis				1		1	1	1
Campylobacter	1	2		1	4	8	18	24
Cat Scratch Disease						0	0	1
Cryptosporidium	1		1	2	1	5	7	2
E. Coli O157:H7	1					1	1	7
E. Coli-shiga toxin positive (other than O157:H7)		1	1		2	4	2	n/a
Ehrlichiosis						0	1	0
Encephalitis						0	0	0
Giardia		2	2	3	2	9	13	10
Haemophilus influenza B						0	0	1
Hepatitis A					1	1	1	3
Hepatitis B	1		3	7	1	12	7	8
Hepatitis C		3	5	1	8	17	9	33
Histoplasmosis			1		1	2	n/a	n/a
H.I.V.		1	1	1		3	1	2
HUS (Hemolytic uremic syndrome)		1				1	n/a	n/a
Kawasaki Syndrome	1					1	3	1
Legionaires						0	0	0
Listeria						0	0	0
Lyme Disease				1	2	3	5	3
Malaria						0	1	0
Measles						0	0	0
Meningitis-bacterial						0	0	0
Meningitis-viral						0	1	4
Meningococcal disease						0	0	0
Mumps (confirmed/probable/suspect)						0	1	6
Mycobacterial disease (non-tubercular)		3	3	3	3	12	13	13
Norovirus-outbreaks		2				2	7	n/a
Ova & Parasites (misc.)						0	0	0
Pertussis (confirmed/probable/suspect)				2		2	22	5
Rubella						0	0	0
Salmonella	1	2	1	2	10	16	24	8
Shigella					4	4	1	0
STD's: Chlamydia	2	15	11	13	16	57	62	53

Gonorrhea	2	9	1	3	3	18	17	9
Genital Herpes	NO	LONGER	REPORTAB	ABLE		n/a	29	32
Syphilis						0	4	1
Strep A (invasive)		1				1	4	2
Strep B (invasive)	1	2			2	5	4	6
Strep Pneumo. (invasive)		1	1	2	1	5	6	5
Toxic shock syndrome						0	0	0
Tuberculosis-Active disease (confirmed/suspect)						0	0	3
Tuberculosis-Inactive (old TB-inactive)					2	2	0	0
Tuberculosis-Latent infection (non-contagious)	2	5	1	1	1	10	3	11
Varicella	2	1			6	9	n/a	n/a
West Nile Virus						0	0	0
Yersinia						0	0	1
<b>Sub-total</b>	<b>15</b>	<b>51</b>	<b>32</b>	<b>44</b>	<b>71</b>	<b>213</b>	<b>268</b>	<b>255</b>
<b><u>MISCELLANEOUS REPORTABLE DISEASES:</u></b>	<b><u>Fred./Belg.</u></b>	<b><u>Port/Sauk.</u></b>	<b><u>Grafton</u></b>	<b><u>Cedarburg</u></b>	<b><u>Meq/Thien</u></b>	<b><u>Total 2008</u></b>	<b><u>Total 2007</u></b>	<b><u>Total 2006</u></b>
Haemophilus (non type B)		1		1	2	4	1	1
<b>Sub-total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>
<b><u>EXPOSURES TO REPORTABLE DISEASES</u></b>	<b><u>Fred./Belg.</u></b>	<b><u>Port/Sauk.</u></b>	<b><u>Grafton</u></b>	<b><u>Cedarburg</u></b>	<b><u>Meq/Thien</u></b>	<b><u>Total 2008</u></b>	<b><u>Total 2007</u></b>	<b><u>Total 2006</u></b>
Waterborne illness-exposure to waterborne illness						0	3	0
Varicella-exposure to varicella			1			1	n/a	n/a
Pertussis-exposures to pertussis		2		6		8	81	1
Tuberculosis-exposures to tuberculosis				1	22	23	1	6
<b>Sub-total</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>7</b>	<b>22</b>	<b>32</b>	<b>85</b>	<b>25</b>
<b><u>INVESTIGATION ONLY-NOT CONFIRMED</u></b>	<b><u>Fred./Belg.</u></b>	<b><u>Port/Sauk.</u></b>	<b><u>Grafton</u></b>	<b><u>Cedarburg</u></b>	<b><u>Meq/Thien</u></b>	<b><u>Total 2008</u></b>	<b><u>Total 2007</u></b>	<b><u>Total 2006</u></b>
Lyme Disease				1	1	2	n/a	n/a
Foodborne illness		1	1		2	4	7	5
Hepatitis A		1	1		2	4	1	0
Measles	1			1		2	1	0
Pertussis				1		1	n/a	n/a
Rubella				1		1	1	0
Tuberculosis	1		1			2	n/a	
<b>Sub-total</b>	<b>2</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>16</b>	<b>20</b>	<b>10</b>
<b>TOTAL:</b>	<b>17</b>	<b>56</b>	<b>36</b>	<b>56</b>	<b>100</b>	<b>265</b>	<b>379</b>	<b>292</b>

## Exhibit II

2008 Hearing Statistics by Grade Level					
Grade	Screened	*Rescreened	Referred	% Referred from Rescreen	Treatment Responses
ECH	103	2	2	100%	1
PRESCHOOL	514	53	10	19%	-
4K	342	30	4	13%	2
5K	809	54	8	15%	1
1	834	63	12	19%	2
2	811	42	11	26%	2
3	808	50	8	16%	-
4	10	1	1	100%	-
5	4	1	1	100%	-
6	25	2	-	0%	-
7	29	-	-	0%	-
8	17	1	-	0%	-
9	-	-	-		-
10	-	-	-		-
11	-	-	-		-
12	-	-	-		-
	-	-	-		-
TOTAL	4,252	296	559	20%	**8

\*Rescreened numbers may include students that were absent on the original screening date.

\*\*Treatment responses continue to come in through the spring and summer and are added to the statistics,

### Exhibit III

2008 Vision Statistics by Grade Level					
Grade	Screened	*Rescreened	Referred	% Referred from Rescreen	Treatment Responses
ECH	116	8	8	100%	-
PRESCHOOL	-	-	-	-	-
4K	344	24	18	75	3
5K	784	59	36	61%	6
1	864	51	26	51	4
2	829	49	32	65	4
3	837	70	52	74	6
4	951	73	51	70	4
5	952	69	57	83	8
6	968	64	43	67	2
7	982	78	48	62	8
8	1048	94	66	70	6
9	-	-	-	-	-
10	-	-	-	-	-
11	-	-	-	-	-
12	-	-	-	-	-
TOTAL	8,675	639	437	68	**50

\*Rescreened numbers includes absentees from first day of screening.

\*\*Treatment responses continue to come in through the spring and summer and are added to the statistics.

## Exhibit IV

<b>ADULT HEALTH SCREENING STATISTICS:</b>											
<b>2008 Totals</b>											
SCREENING DATE:											
BLOOD PRESSURE RECHECK DATE:											
Age	Sex	Number Screened	Blood Pressure		Cholesterol		HDL		Diabetes		Td given
			SCR	REF	SCR	REF	SCR	REF	SCR	REF	
18-29	M	0	12	2	11	1	11	5	11	1	6
	F	0	7	1	2	0	2	2	2	0	2
30-44	M	0	73	6	57	12	57	31	57	1	8
	F	0	37	2	20	4	20	3	20	0	7
45-54	M	0	52	11	36	9	36	18	36	6	13
	F	0	57	3	22	3	22	2	22	0	8
55-64	M	0	73	13	24	5	24	8	24	0	7
	F	0	65	11	13	6	13	0	13	0	9
65-74	M	0	84	10	2	0	2	0	2	0	5
	F	0	100	12	1	0	1	0	1	1	2
75+	M	0	85	9	1	0	1	1	1	0	0
	F	0	189	26	1	1	1	0	1	0	1
<b>TOTALS</b>		<b>0</b>	<b>834</b>	<b>106</b>	<b>190</b>	<b>41</b>	<b>190</b>	<b>70</b>	<b>190</b>	<b>9</b>	<b>68</b>

Total Persons referred 226

Screened Totals

<b>Male</b>	0	379	51	131	27	131	63	131	8	39
<b>Female</b>	0	455	55	59	14	59	7	59	1	29

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End of Report