

# **KENOSHA COUNTY DIVISION OF HEALTH**

## **2011 ANNUAL REPORT**

**Health is Our Business...Committed to a Healthy Kenosha**



Kenosha County Division of Health  
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Kenosha, WI 53143  
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<http://www.co.kenosha.wi.us/dhs/Divisions/Health/>

# **KENOSHA COUNTY DIVISION OF HEALTH**

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Health is Our Business....Committed to a Healthy Kenosha

## **MISSION STATEMENT**

“To assure the delivery of health services necessary to prevent disease, maintain and promote health, and to protect and preserve a healthy environment for all citizens of Kenosha County regardless of ethnic origin, cultural and economic resources”

## **BOARD OF HEALTH MEMBERS**

|                                  |               |
|----------------------------------|---------------|
| Steve Schwimmer, D.O. (til 4/11) | Chairman      |
| James Foster, M.D., M.P.H.       | Vice-Chairman |
| Supervisor John O'Day            | Member        |
| Mark Modory                      | Member        |
| Rita Kadamian, R.N., M.S.N.      | Member        |
| Linda Weiss, R.N., M.S.N.        | Member        |
| Mario Maritato, D.D.S.           | Member        |
| Mary Sue Lux, D.V.M.             | Member        |
| Jeanne Sanchez-Bell              | Member        |
| James Santarelli, M.D.           | Member        |

## **HUMAN SERVICES COMMITTEE MEMBERS**

|                            |               |
|----------------------------|---------------|
| Supervisor Terry Rose      | Chairman      |
| Supervisor Jeffrey Gentz   | Vice-Chairman |
| Supervisor David Celebre   | Secretary     |
| Supervisor Michael Goebel  | Member        |
| Supervisor David Arrington | Member        |

## **MEDICAL ADVISORS TO THE DIVISION OF HEALTH**

Gregory Young, M.D., Vaccine Preventable Disease Advisor  
Steve Schwimmer, D.O., STD Clinic Advisor

**Cynthia Johnson, M.Ed., RN**  
**Health Officer – Director**

**John Jansen**  
**Director – Department of Human Services**

**Jim Kreuser**  
**Kenosha County Executive**

## KENOSHA COUNTY DIVISION OF HEALTH STAFF

### ADMINISTRATION

|   |   |
|---|---|
| Cynthia Johnson, B.S.N., M.Ed.              | Health Officer/Director                             |
| Gwen Perry-Brye, M.S.N., N.P.               | Clinical Services Director/Assistant Health Officer |
| Diane Bosovich, B.S.N.                      | Nursing Manager                                     |
| Randall E. Wergin, B.S., R.S.(retired 9/11) | Environmental Health Director                       |
| Carlton Cowie, M.S.                         | Laboratory Manager                                  |
| Wayne Krueger, B.B.A.                       | Fiscal Manager (Contract)                           |

### PREVENTIVE MEDICAL SECTION

|  |                     |
|--|---------------------|
| Stacey Wians, M.A.                     | Epidemiologist      |
| Dawn Bruce-Ernst, B.S.N.               | Public Health Nurse |
| Beth Carroll, B.S.N.                   | Public Health Nurse |
| Kira Krause, B.S.N.                    | Public Health Nurse |
| Kara LaChapelle, B.S.N. (til 2/11)     | Public Health Nurse |
| Allison Maedke, B.S.N.                 | Public Health Nurse |
| Katie Misner, B.S.N.                   | Public Health Nurse |
| Lisa Mueller, B.S.N.                   | Public Health Nurse |
| Joan Pacetti, B.S.N.                   | Public Health Nurse |
| Sandy Petersen, B.S.N. (retired 12/11) | Public Health Nurse |
| Elizabeth Smith, B.S.N.                | Public Health Nurse |

### CONTRACT/GRANT POSITIONS UNDER PREVENTIVE MEDICAL SECTION

|   |   |
|---|---|
| Diana Andrekus, B.A.(til 8/11)          | Public Health Specialist  |
| Lillian Jeranek, B.S.N.                 | Public Health Nurse/School Nurse Contract (2/11)                        |
| Pam Kavalauskas, R.N.                   | Consolidated Contract (RN)  |
| Deborah Rueber, B.S., C.H.E.S.          | Health Services Coordinator   |
| Sandy Petersen, B.S.N.                  | Early Headstart (PHN) (retired 12/11)                                   |
| Laura Davidson, B.S.N.                  | Prevention Services Network (PSN)                                       |
|   | Contract/School Nurse Contract  |
| Pamela Smith, M.S.                      | Program Coordinator, Kenosha Lifecourse Initiative for Healthy Families |
|   | Program Assistant, Kenosha Lifecourse Initiative for Healthy Families   |
| Robin Casara, B.S.N.                    | School Nurse Contract (PHN)   |
| Lindsay Deinhammer, B.S.N.              | School Nurse Contract (PHN)   |
| Catherine Eggert, B.S.N.                | School Nurse Contract (PHN)   |
| Linda Godin, B.S.N.                     | School Nurse Contract (PHN)   |
| Camille Jensen-Guion, B.S.N. (til 2/11) | School Nurse Contract (PHN)   |
| Linda Rieschl, B.S.N., M.Ed.            | School Nurse Contract (PHN)   |
| Jodee Rizzitano, B.S.N.                 | School Nurse Contract (PHN)   |
| Kerrie Paupore, B.S.N.(til 7/11)        | School Nurse Contract (PHN)   |

## **ENVIRONMENTAL HEALTH SECTION**

Chuck Dykstra, B.S., R.S.  
Mike Gorman, B.S., R.S.(retired 3/11)  
Steve Krzyzanowski, B.S., R.S.  
Mark Melotik, B.S., R.S.  
Brad Wozniak, A.S., R.S.  
Scott Buck

Public Health Sanitarian  
Public Health Sanitarian  
Public Health Sanitarian  
Public Health Sanitarian  
Public Health Sanitarian  
Sanitarian Aide

## **LABORATORY SECTION**

Marilynn Huntoon, B.A.  
Marcia Kelley, A.A.S.

Public Health Lab Technologist  
Public Health Lab Technologist

## **FIVE COUNTY PUBLIC HEALTH CONSORTIUM**

Michelle Seitz (til 4/11)

Program Coordinator

## **HUD LEAD-BASED PAINT HAZARD REDUCTION PROJECT**

Anna McCreery, B.S.  
Gregory Vogel, B.S.  
Kathy Dykstra  
Jamie Bisceglia  
Heather Naydihor

Program Manager  
Risk Assessor  
Risk Assessor  
Administrative Assistant  
Administrative Assistant

## **HUD HEALTHY HOMES DEMONSTRATION PROJECT**

Patricia Shumaker, M.S.  
Carrie Kalberg

Program Manager  
Administrative Assistant

## **ADMINISTRATIVE SUPPORT**

Nancy Reeves, A.C.R.  
Karen Kersting, A.A.S.  
Lynda Lester (retired 11/11)  
Mary McClain

Senior Office Associate  
Senior Office Associate  
Office Associate  
Office Associate

## **FISCAL SERVICES**

Darlene Specht  
Louise Caracciolo, A.A.

Fiscal Assistant (Contract)  
Staff Accountant (Contract)

## PREVENTIVE MEDICAL SECTION

The preventive medical section provides preventive health program services and education to the residents of Kenosha County. Individuals are seen in clinics, schools, homes, day cares, and workplaces, as well as in the Division of Health on a walk-in basis through our Nurse of the Day clinic at two locations.

### **DISEASE PREVENTION PROGRAM** – *WI State Statute Chapter 252, HFS Chapter 145, WI Admin. Code*

The Division of Health receives reports on communicable diseases within Kenosha County as required by Wisconsin State Statute 252. Public health staff provides surveillance, enforcement, investigation, education, reporting, follow-up, and preventive measures to contain these diseases and prevent the spread to the general public.

#### **Services**

- **Communicable Diseases:** Public health nurses investigate and provide case management services on reportable communicable diseases, as mandated by Wisconsin State Statute.
- **Communicable Disease Investigations:** Number of investigations completed by public health nurses.

| ACTIVITY                      | 2011  | 2010 |
|-------------------------------|-------|------|
| Reportable Diseases Confirmed | 866   | 365  |
| Reportable Disease Referrals  | 1,660 | 949  |

### **NURSE OF THE DAY (NOD) PROGRAM** – *WI State Statutes Chapter 252, 254; Chapter 144, WI Admin. Code*

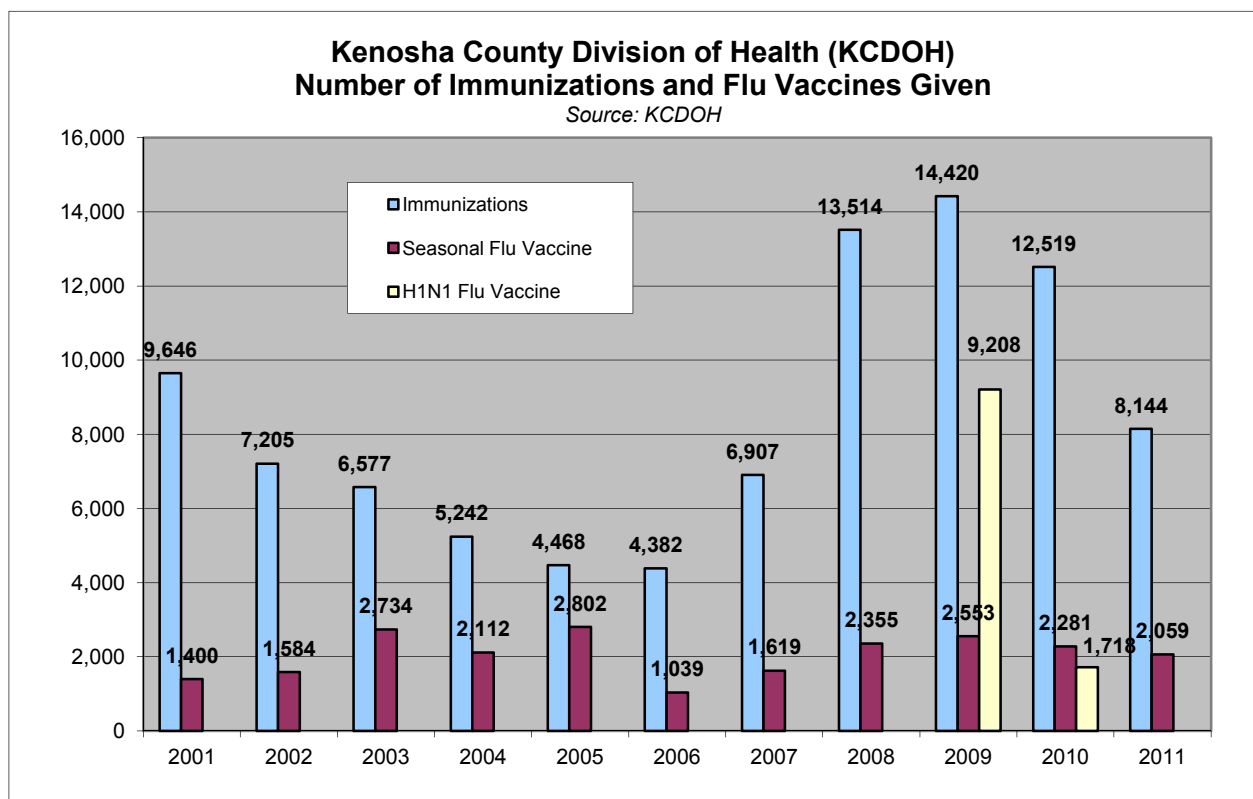
The NOD clinic provides a variety of services to clients on a walk-in basis at two locations: the Kenosha County Job Center (KCJC), Monday-Friday from 8:00 a.m. to 5:00 p.m., and a satellite office located at the Kenosha County Center (KCC) Monday from 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 4:30 p.m., Wednesday and Friday from 8:00 a.m. to 12:00 p.m. Services include TB skin testing, blood pressure checks, dental fluoride varnishing, immunizations, health checks, lead testing, forensic urine testing, as well as other services.

#### **Services**

- **Immunization Services- Child and Adult:** Public Health Nurses provide immunization protection for all ages. The Vaccines for Children's program is State funded to serve our County's childhood immunization needs. All school age children are required by state statute to be immunized upon entering the school setting. Parents may waive this requirement for personal, medical, or religious reasons.
- **Seasonal Influenza Vaccine:** Recommended for all individuals 6 months of age and older.
- **Fluoride Varnishing:** Public health nurses administer dental fluoride varnishing to protect teeth, reduce dental cavities and promote preventive oral health services.
- **Tuberculosis Prevention and Control:** Skin tests administered by public health nurses provide early detection of infection in individuals who may have been exposed to tuberculosis or an employment screening requirements.
- **Well Child Clinics:** Children under age 21 are eligible for a comprehensive health screening.
- **Lead Poisoning Screenings:** Public health nurses provide free blood lead screenings for children under 6 years of age.
- **Genetic Testing:** This program contracts with the Kenosha Child Support Program to provide paternity identification through genetic testing.

- **Home Visits:** Public health nurses make home visits to clients to assess and monitor health status, investigate communicable diseases, case manage elevated lead referrals, and provide health education.

| ACTIVITY  | 2011   | 2010   |
|---|--------|--------|
| KCJC Clinic Walk-Ins                                | 11,185 | 11,654 |
| KCC Clinic Walk-Ins                                 | 1,718  | 2,128  |
| Immunization- Doses Administered                    | 8,144  | 12,519 |
| Seasonal Influenza- Doses Administered              | 2,059  | 2,281  |
| Fluoride Dental Varnishing- Clients Served          | 646    | 408    |
| Tuberculosis Prevention and Control- Clients Served | 1,095  | 1,057  |
| Well Child Clinic- Clients Served                   | 57     | 68     |
| Lead Poisoning Screenings- Clients Screened         | 2,784+ | 2,784  |
| Genetic Testing- Clients Served                     | 933    | 982    |
| Home Visits- Clients Served                         | 696    | 912    |



**FAMILY AND REPRODUCTIVE HEALTH PROGRAM** – *WI State Statute Chapter 252.11; HIV, WI State Statutes Chapter 252.12-15 Family Planning WI State Statute Chapter 253.07-10; Cancer Control/Prevention, Well Woman Program: Chapter 255*

Family and Reproductive Health Services provides Sexually Transmitted Disease (STD) screening, HIV testing and referral. Pap smears and breast exams are also offered at the Division of Health. Eligible women receive referrals for mammograms. High risk persons are eligible to receive Hepatitis A and Hepatitis B vaccine. Partner Services (PS) are also available through the Family and Reproductive Health Team.

#### **Services**

- **STD Clinic:** Clients and contacts are tested and treated for various sexually transmitted diseases.
- **HIV Antibody Testing:** KCDOH is an anonymous and confidential State of Wisconsin HIV antibody counseling and testing site.

| ACTIVITY                             | 2011  | 2010  |
|--------------------------------------|-------|-------|
| STD Clinic- Clients Served           | 1,687 | 1,629 |
| HIV Antibody Testing- Clients Served | 526   | 469   |

#### **WISCONSIN WELL WOMEN PROGRAM (WWWP)**

This state contract program provides breast and cervical cancer screening for eligible women. Pap smears and breast exams are offered at the Division of Health. Area providers deliver Mammography services.

| ACTIVITY             | 2011 | 2010 |
|----------------------|------|------|
| WWWP- Clients Served | 323  | 279  |

#### **PRENATAL CARE COORDINATION (PNCC) PROGRAM**

The Prenatal Care Coordination (PNCC) program offers case management and health education for pregnant women. This program is designed to improve healthy birth outcomes for families. Since the collaboration with KCDOH and WIC in 2008, PNCC referrals have steadily increased and more women are receiving the care and services they need.

| ACTIVITY             | 2011 | 2010 |
|----------------------|------|------|
| PNCC- Referrals      | 934  | 860  |
| PNCC- Clients Served | 174  | 120  |

#### **KENOSHA LIFECOURSE INITIATIVE FOR HEALTHY FAMILIES (KLIHF)**

In 2010, KLIHF was awarded project funding by the UW School of Medicine and Public Health from the Wisconsin Partnership Program with the goal of improving the health status of African American women over the lifespan, leading to healthy birth outcomes through development of a maternal child health (MCH) Lifecourse Collaborative and a functional community plan.

#### **COMMUNITY HEALTH AND OUTREACH SERVICES PROGRAM**

Various health information and services are provided in the community through Community Health/Outreach Services. Kenosha County residents are able to receive cribs, car seats, and preventive screenings at no or low cost.

## Services

- **Child Passenger Safety Seats:** Car seats distributed to eligible families at low or no cost.
- **Child Safety Seat Checks:** This program provides child passenger safety seat checks and education focusing on the importance of child passenger restraint to prevent vehicle injuries.
- **Safe Sleep Program:** Parental Education Program on Back-to-Sleep and Cribs for Kids to prevent injuries.
- **Seal-A-Smile Program:** This program collaborates with Children's Health Alliance of Wisconsin, Kenosha Unified School District and Kenosha Community Health Center to offer preventative oral health screening, dental fluoride varnishing, and dental sealants to children in grades 2, 3, and 5 in the school setting.
- **"Parent Talk Lunch" and "Kids Talk":** Educational sessions on health promotion and injury prevention while sharing lunch with parents.

| ACTIVITY                                       | 2011 | 2010 |
|--|------|------|
| Number of Child Safety Seats Distributed       | 100  | 101  |
| Child Passenger Safety Seat Checks Completed   | 177  | 206  |
| Number of Safe Sleep Program Cribs Distributed | 87   | 88   |
| Seal-A-Smile Program- Clients Served           | 162  | 244  |
| "Parent Talk Lunch" Attendance                 | 339  | 343  |
| "Kids Talk" Attendance                         | 45   | 236  |

## PUBLIC HEALTH PREPAREDNESS

Through a grant from the Centers for Disease Control and Prevention (CDC), the Division of Health is able to prepare the community for a natural catastrophic event or an emerging/re-emerging disease. Plans have been developed and exercised to ensure staff are able to respond and assist residents in an emergency. The community is educated to prepare their family, homes, and businesses prior to an emergency event. A School Surveillance System monitors student and school staff absenteeism for increase in days out of school.

## HEALTHY PEOPLE KENOSHA COUNTY 2020

Healthy People Kenosha County 2020 is a local initiative that partners public health with community representatives from government, public, private, and non-profit businesses and organizations for the purpose of developing a public health strategic plan for Kenosha County. The overarching goals of the strategic plan are consistent with the national initiative Healthy People 2020, and the State of Wisconsin initiative Healthiest Wisconsin -- to increase quality and years of life and eliminate health disparities. Healthy People Kenosha County 2020 is comprised of six committees that were developed to address the overarching goals in specific areas of concern: Access to Healthcare, Youth Health, Healthy Lifestyles, Mental Health, Injury Prevention, and Environmental Health.

## SCHOOL NURSING PROGRAM – WI State Statute 115.001 (11)

Public health nurses provide services in the school setting to the individual and community for the prevention of disease and the promotion of health and well being. The nurses develop health care plans for students with chronic medical conditions so the student can be accommodated in the school setting. They also provide staff training, disease surveillance, and health education to a total of 41 schools the Kenosha Unified School District, the Early Head Start and the Head Start Program.



| 2010/2011 | School Population | Number of Students with Prevalent and Potentially Life-Threatening Health Conditions | Students Receiving "Family Life" Education | Emergency Healthcare Plans Completed |
|-----------|-------------------|--|--|--------------------------------------|
|           | 16,886            | 2,952  | 13,430                                     | 783                                  |

### **KENOSHA COUNTY WIC PROGRAM**

The Kenosha County Women, Infants and Children Program (WIC) provides food and nutrition information to keep pregnant and breastfeeding women, infants and children under five years of age healthy and strong. WIC provides: Checks to buy nutritious foods such as fruits, vegetables, milk, peanut butter, bread and cereal; health and diet assessments; nutrition and breastfeeding information and support, and referrals to other community resources. The Kenosha County Division of Health contracts with Racine/Kenosha Community Action Agency, Inc to provide WIC services to Kenosha families. WIC provided services to 7,100 individuals in 2011.

Health Benefits of WIC are the reduction of premature births, low-birth weights, and long term medical expenses.

| ACTIVITY                    | 2011  | 2010  |
|-----------------------------|-------|-------|
| WIC Program- Clients Served | 4,265 | 4,351 |

### **KENOSHA COUNTY SUICIDE PREVENTION COALITION PROGRAM**

The Kenosha County Suicide Prevention Coalition was formed in 2005 as a sub-committee of the Injury Prevention Committee and supported through a grant from the Healthier Wisconsin Partnership Program (HWPP) and the Medical College of Wisconsin. The coalition was focused on identifying a long term solution to the suicide problem in Kenosha County and developing a plan that will prevent suicide. The plan includes:

- Increasing community awareness about suicide and suicide prevention.
- Identifying current services and development of new community support services for people at risk of suicide, suicide survivors, and those concerned about someone else's risk of suicide.
- Engaging families and community agencies to take part in suicide prevention and to make recommendations to community leaders to meet ongoing needs.

| ACTIVITY   | 2011 | 2010  |
|--|------|-------|
| Cable Gun Locks Distributed                                  | 890  | 515   |
| Question, Persuade, and Refer (QPR) Training- Number Trained | 239  | 1,120 |

## ENVIRONMENTAL HEALTH SECTION

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The environmental health section preserves and enhances the public health environment of Kenosha County. It provides information, regulations, education, and intervention in areas of food, water, waste, recreation, lodging, environmental and human health hazards, and consumer protection in a professional and responsive manner

### **FOOD PROTECTION** – *WI State Statutes 97.30, 254.64 and 254.69*

The program objective is the prevention of food-borne disease through regulation of restaurants, retail food establishments, vending machines, school lunch programs, farmers markets, food dealers and special events. Activities include licensing, plan review, routine, follow-up and complaint inspections, consultations, and education.

| ACTIVITY                          | 2011<br>Units of Service | 2010<br>Units of Service |
|-----------------------------------|--------------------------|--------------------------|
| Establishments Licensed           | 969                      | 961                      |
| Inspections (Routine/Follow-up)   | 1,538                    | 2,415                    |
| Consultations/Plan Review         | 869                      | 436                      |
| Consumer Complaint Investigations | 99                       | 142                      |

### **LODGING FACILITIES** - *WI State Statutes 101.935, 254.64 and 254.69*

The program enforces regulations, which seek to ensure a safe, healthy and sanitary environment for residents and transients in hotels, motels, tourist rooming houses, bed and breakfast establishments, and mobile home parks.

| ACTIVITY                               | 2011<br>Units of Service | 2010<br>Units of Service |
|--|--------------------------|--------------------------|
| Establishments Licensed                | 54                       | 55                       |
| Inspections (Routine/Follow-up)        | 71                       | 109                      |
| Consultations/Complaint Investigations | 54                       | 50                       |

### **RECREATIONAL SANITATION** - *WI State Statute 254.47*

The program goal is to ensure a safe and healthy environment for residents and visitors at recreational and educational camps, campgrounds, and public swimming pools through enforcement of State codes. Bacteriological testing of pool water is conducted in the laboratory.

| ACTIVITY                               | 2011<br>Units of Service | 2010<br>Units of Service |
|--|--------------------------|--------------------------|
| Facilities Licensed                    | 80                       | 72                       |
| Inspections (Routine/Follow-up)        | 119                      | 135                      |
| Consultations/Complaint Investigations | 147                      | 157                      |

**RABIES CONTROL AND ANIMAL NUISANCES** - *WI State Statute 95.21*

This program conducts investigations related to animal bite cases, determining rabies immunization status, and initiating animal quarantine and observation procedures as required by State Statute and local ordinances. In additions, the investigation of animal nuisances, such as animal waste and excessive number of animal complaints, and the licensing and regulation of kennels and pet shops within the City of Kenosha fall within this program's jurisdiction.

| ACTIVITY   | 2011<br>Units of Service | 2010<br>Units of Service |
|--|--------------------------|--------------------------|
| Bite Investigations                                    | 104                      | 81                       |
| Bite Consultations/Follow-ups                          | 196                      | 234                      |
| Animal Nuisance/Complaints<br>Consultations/Follow-ups | 27                       | 70                       |

**SOLID WASTE CONTROL**

Enforcement of City of Kenosha Charter #26 - Blighted Lot Ordinance. Garbage, debris and refuse control consists of investigation of citizen complaints and abatement of actual or potential rodent, insect, litter, blight or eyesore nuisances due to improper storage or disposal of waste.

| ACTIVITY                            | 2011<br>Units of Service | 2010<br>Units of Service |
|-------------------------------------|--------------------------|--------------------------|
| Investigation of Citizen Complaints | 707                      | 850                      |
| Follow-up/Clean-ups                 | 1,669                    | 1,979                    |

**LEAD HAZARD CONTROL** - *WI State Statute 254.166*

Environmental investigations of dwellings in which lead poisoned children reside. Inspections are conducted according to Centers for Disease Control (CDC) policy to identify whether lead hazards exist; and abatement orders are issued to control or eliminate sources of lead.

| ACTIVITY  | 2011<br>Units of Service | 2010<br>Units of Service |
|---|--------------------------|--------------------------|
| Environmental Investigations/Follow-ups/<br>Consultations | 45                       | 61                       |

**ENVIRONMENTAL/HUMAN HEALTH HAZARDS** - *WI State Statutes 254.41 and 254.59*

- Enforcement of Chapter XXIII, Code of General Ordinances, relating to noise nuisances. Investigations consist of identification, measurement and abatement of noise violations and enforcement of code regulations.
- Investigation of indoor air quality complaints, community odor complaints focusing on identification, providing information to assist in problem resolution and referral to appropriate State agencies as indicated.
- Maintenance of Wisconsin Division of Health radiation monitoring stations. This program collects data for the purpose of monitoring background radiation levels in areas surrounding the Zion Nuclear Power Plant.

- Investigation of human health hazard complaints that exist in Kenosha County. Conditions include unsanitary conditions in dwellings, dwellings that lack heat or water and other safety hazards.

| ACTIVITY                                     | 2011<br>Units of Service | 2010<br>Units of Service |
|--|--------------------------|--------------------------|
| Noise Complaint Investigations               | 2                        | 3                        |
| Air Quality Investigations                   | 48                       | 44                       |
| Radiation Samples Collected                  | 27                       | 45                       |
| Human Health Hazard Complaint Investigations | 61                       | 43                       |

### **TRANSIENT NON-COMMUNITY (TNC) WELL PROGRAM** - *WI State Statutes 280.11 and 281.15*

TNC water systems are public systems that serve at least 25 individuals per day, at least 60 days per year. The program involves annual bacteriological and nitrate sampling as well as sanitary survey well inspections to determine compliance with DNR well construction and pump installation requirements.

| ACTIVITY                 | 2011<br>Units of Service | 2010<br>Units of Service |
|--------------------------|--------------------------|--------------------------|
| Water samples taken      | 481                      | 461                      |
| Well consultations       | 87                       | 107                      |
| Well surveys/Inspections | 41                       | 39                       |

## **LABORATORY SECTION**

Each year, approximately 10,000 specimens are submitted to the laboratory for testing and examination. The laboratory is certified by the United States Department of Health and Human Services to accept human specimens for the purposes of performing laboratory examinations or procedures. Approval has been granted in the specialties of Microbiology, Diagnostic Immunology and Chemistry.

The Wisconsin Department of Agriculture, Trade and Consumer Protection have certified the laboratory in milk and water specialties and Safe Drinking Water Certification is maintained from the Wisconsin Department of Natural Resources. The Wisconsin Department of Health and Family Services also have certified the laboratory to perform Legal Alcohol testing.

Highly qualified technical scientists perform over 10,000 analytical tests annually. They participate in several proficiency programs, including the Wisconsin State Laboratory of Hygiene Proficiency Testing Program, and Collaborative Testing Services.

Testing services are provided in the areas of clinical microbiology, serology, and analytical and forensic chemistry and environmental bacteriology. Each unit provides the following services:

## **CLINICAL MICROBIOLOGY/SEROLOGY UNIT**

- Examines stool samples for the presence of organisms, which cause intestinal diseases.
- Identifies Giardia intestinal parasites.
- Performs diagnostic tests for gonorrhea in support of statewide STD screening programs.
- Performs serologic tests for syphilis.
- Examines throat specimens for the presence of Group A Streptococcus, the causative agent in Strep Throat.

| TYPE OF TEST          | SAMPLES TESTED |            | POSITIVE SAMPLES |           |
|-----------------------|----------------|------------|------------------|-----------|
|                       | 2011           | 2010       | 2011             | 2010      |
| Enteric Pathogens     | 21             | 30         | 0                | 1         |
| Strep Throat Cultures | 40             | 61         | 4                | 3         |
| Gonorrhea             | 349            | 282        | 12               | 13        |
| Syphilis Serology     | 544            | 457        | 2                | 1         |
| Spore Test            | 24             | —          | 0                | —         |
| <b>TOTALS</b>         | <b>978</b>     | <b>830</b> | <b>18</b>        | <b>47</b> |

## **ANALYTICAL CHEMISTRY UNIT**

- Conducts chemical analyses of public and private water supplies to determine the presence of nitrates.
- Conducts chemical analyses of private water supplies to determine the concentration of fluoride in drinking water.
- Analyzes paint and pottery chips for the presence of lead.
- Performs preliminary testing on capillary and venous blood samples to determine lead levels in children ages 1 to 5 year. Samples are submitted from KCDOH and WIC.

| TYPE OF TEST               | SAMPLES TESTED |              | UNSAFE SAMPLES |           |
|----------------------------|----------------|--------------|----------------|-----------|
|                            | 2011           | 2010         | 2011           | 2010      |
| Nitrates                   | 252            | 241          | 2              | 3         |
| Fluoride                   | 23             | 10           | n/a            | N/A       |
| Lead Screens – Paint Chips | 1              | 4            | 1              | 0         |
| Blood Lead Screens         | 1,787          | 1,832        | 21             | 16        |
| <b>TOTALS</b>              | <b>2,063</b>   | <b>2,087</b> | <b>24</b>      | <b>19</b> |

## **FORENSIC CHEMISTRY UNIT**

- Analyzes urine specimens and other body fluids for the presence of controlled substances, drugs of abuse and alcohol.
- Analyzes evidence for law enforcement agencies for the presence of controlled substances.

- Testifies in court regarding analytical findings.

| TYPE OF TEST       | SAMPLES TESTED |              | POSITIVE SAMPLES |              |
|--------------------|----------------|--------------|------------------|--------------|
|                    | 2011           | 2010         | 2011             | 2010         |
| Urine Drug Screens | 3,327          | 2,398        | 753              | 741          |
| Street Drugs       | 569            | 440          | 475              | 331          |
| <b>TOTALS</b>      | <b>3,896</b>   | <b>2,838</b> | <b>1,228</b>     | <b>1,072</b> |

## **ENVIRONMENTAL BACTERIOLOGY UNIT**

- Tests public and private water supplies for the presence of coliform bacteria.
- Tests swimming pool and whirlpool water samples for coliform bacteria.
- Tests swimming beaches and recreational water for E.coli bacteria.
- Documents complaints of food suspected of causing disease outbreaks (food poisoning).
- Identifies insects.

| TYPE OF TEST   | SAMPLES TESTED |              | UNSAFE SAMPLES |            |
|----------------|----------------|--------------|----------------|------------|
|                | 2011           | 2010         | 2011           | 2010       |
| Drinking Water | 899            | 956          | 114            | 145        |
| Pools          | 39             | 80           | 0              | 2          |
| Beaches        | 174            | 160          | 28             | 37         |
| <b>TOTALS</b>  | <b>1,112</b>   | <b>1,196</b> | <b>142</b>     | <b>184</b> |

## **HUD LEAD-BASED PAINT HAZARD REDUCTION PROJECT**

The Division of Health was awarded a three-year \$4.0 million grant from Housing and Urban Development (HUD) for Lead-Based Paint Hazard Reduction Demonstration, in December of 2009. This program is being implemented in partnership with the Cities of Racine and Kenosha and numerous other local community organizations.

The primary goal of the **Kenosha/Racine Lead-Free Communities Partnership** is to protect children under the age of 6, who live in pre-1978 housing units directly through lead hazard control of these high-risk units. The focus will be on low-income families in targeted neighborhoods. The secondary goal is to provide education to these families and the public. In order to accomplish these goals, the program will use a comprehensive approach which utilizes and coordinates the resources of multiple city and county government agencies, private owners of housing units, the resources of private contractors, community non-profit agencies, higher education and the faith community.

In order to reduce the risk of lead contamination in the target population, the program will conduct the following activities:

- Provide appropriate levels of abatement services including clearance testing for 250 residential units;
- Continue to increase the pool of qualified lead contractors;
- Provide an outreach service which includes lead-based paint risk assessments and education;
- Provide a full continuum of services including blood samples, reporting, treatment and medical follow-up.

| ACTIVITY                   | 2011 | 2010 |
|----------------------------|------|------|
| Units Completed            | 105  | 81   |
| Inspections Completed      | 147  | 136  |
| Outreach & Training Events | 39   | 31   |
| Individuals Trained        | 54   | 44   |

## HUD HEALTHY HOMES DEMONSTRATION PROJECT

The Division of Health was awarded a three-year \$875,000 grant from Housing and Urban Development (HUD) for Healthy Homes Demonstration, in April of 2009. This program is being implemented in partnership with the City Kenosha and numerous other local community organizations.

The primary goal of the **Kenosha Communities Partnership** is to identify and remediate health hazards in housing where environmental conditions may contribute to a child's illness or risk of injury or to identify and reduce the likelihood of slips, trips and falls for persons over the age of 65. Remediation consists of education, supplies and in some cases repair work on the property. Education is based on the seven principles of healthy housing: Keep it Dry, Clean, Safe, Well ventilated, Pest free, Contaminant free and Maintained.

| ACTIVITY                   | 2011  | 2010  |
|----------------------------|-------|-------|
| Units Completed            | 63    | 67    |
| Inspections Completed      | 47    | 82    |
| Outreach & Training Events | 49    | 120   |
| Individuals Reached        | 1,624 | 4,198 |