



# District Health Department #10

## *Healthy People, Healthy Communities*



# 2014

October 1, 2013 — September 30, 2014

# ANNUAL REPORT



Connect with us online: [www.dhd10.org](http://www.dhd10.org) [www.facebook.com/healthdept10](https://www.facebook.com/healthdept10)

# Our Mission—

To promote and enhance the health of our communities and environment through protection, prevention, and intervention.

# Our Values—

Integrity  
Accountability  
Communication  
Responsibility  
Positive Attitude  
Customer Service

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## Board of Health

### Crawford County

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### Kalkaska County

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Patty Cox

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Atkins

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### Newaygo County

Stanley Nieboer

Chris Ortwein

### Oceana County

Evelyn Kolbe

Larry VanSickle

### Wexford County

John Fuscone

Gary Taylor

# A message from our Health Officer & Medical Director



Linda VanGills  
Health Officer



Dr. Robert Graham  
Medical Director

**D**ear DHD#10 Residents,

Public health is not something most residents talk about, nor are they always clear on what their local health department provides. But public health values and goals are being discussed on a daily basis: how do we keep people healthier, how do we protect our environment, how do we assure families live in safe environments, how do we assure clean water for future generations. These are all things that local public health departments work to accomplish through scientific evidence based interventions aimed at creating healthy communities.

The Affordable Care Act became a reality for residents this year as health care access was improved by purchasing health plans through the Health Insurance Marketplace and the passage of the Healthy Michigan Plan which opened enrollment on April 1, 2014. DHD#10 serves as a regional navigator for the ACA and has trained staff to assist with both Marketplace and Healthy Michigan Plan applications. The combined efforts between the regional navigator and certified application counselors resulted in the DHD#10 jurisdiction enrollment percentages above the Michigan average for both programs. This is good news for our residents because we know that health care coverage improves health outcomes. The Tencon Health Plan was a key partner in this accomplishment as they provided an outreach and enrollment grant to DHD#10 to address health care access across the counties.

DHD#10 continues to build upon partnerships to accomplish public health goals. The Board of Health signed the charter of the Northern Michigan Public Health Alliance; a consortium of six northern Michigan health departments whose goal is to strengthen shared services. We look forward to building on this relationship to establish public health efficiencies across Northern Michigan.

Public health must never forget its deep roots in the area of communicable disease prevention. The concern over Ebola spreading to the United States reminds us of the importance of testing our public health preparedness plans to assure appropriate response based on epidemiology and science. We continue to experience outbreaks in Pertussis –Whooping Cough which is a vaccine preventable disease. These are key reminders of the importance of assuring immunization compliance for our residents. Every dollar expended on immunization saves three dollars in health care costs.

The department is very proud to have submitted its application for National Public Health Accreditation. We have worked hard to assure fidelity to the DHD#10 Community Health Improvement Plan, Strategic Plan and Workforce Development Plan. These documents have provided the department with a roadmap for key public health priorities over the next few years.

Lastly, none of these accomplishments would be feasible without a dedicated workforce who takes great pride in both protecting and improving the health of our communities and residents on a daily basis. This report does an excellent job in showcasing their achievements and commitments.

A handwritten signature in black ink that reads "Linda VanGills".

Linda VanGills, MA  
Health Officer

A handwritten signature in black ink that reads "Robert Graham, DO, MPH".

Dr. Robert Graham  
Medical Director



# Strategic Plan Updates

The Strategic Plan & the CHIP guide the agency's focus to accomplish our vision of  
*Healthy People, Healthy Communities*



## The Strategic Plan...

serves as a **map** for DHD#10 by providing direction & focus on what the agency should be accomplishing.

### Benchmarks for the Year

DHD#10 achieved the following Strategic Plan goals:

#### Goal #1: Maintain Excellence as a Public Health Agency

- Established a communication workgroup to identify strategies for improved agency communication
- Created an agency Performance Management Team
- Hosted a Performance Management training session for Directors, Managers, Supervisors and Coordinators
- Developed and Implemented an agency Workforce Development Plan

#### Goal #2: Improve the Health Status of Residents

- Assure inclusion of the District Health Department #10 Community Health Improvement Plan (CHIP) strategies in local health coalition activities
- Grant writing efforts target our health improvement plan strategies

#### Goal #3: Engage Communities to Identify & Solve Health Problems

- Explored collaborative relationships with new community partners
- DHD#10 joined northern Michigan public health partners to form Northern Michigan Public Health Alliance to increase shared services and promote efficiency.
- Met with key healthcare providers to strengthen mutual referral processes

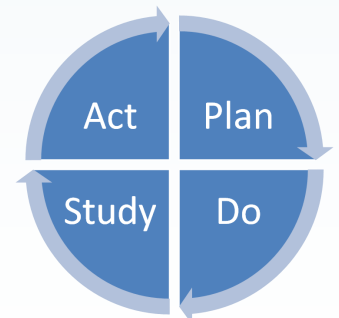
### Quality Improvement

*Improving processes to better serve our clients and the community*

All divisions at DHD#10 have been involved in **Quality Improvement (QI)** this year, finding more efficient ways of getting work done by making adjustments to improve programs and processes. Led by the agency wide **QI** committee, staff teams have conducted 10 **QI** projects.

2014 Q.I. Projects

1. Increasing the number of staff members who have completed phone training and have voice mail options set up correctly
2. Increasing the percent of male clients at the Adolescent Wellness Center who complete the HPV immunization series
3. Encouraging participants in the employee wellness program to meet their health goal
4. Increasing enrollment in the Maternal Infant Health Program
5. Conducting follow-up contacts in the Children's Special Health Care Services Program
6. Reducing the amount of unpaid client charges by verifying insurance coverage
7. Improving the effectiveness of follow-up inspections in the Food Service Program
8. Assuring that no staff evaluations would be over four months late
9. Acknowledging receipt of policy and program changes by family planning staff
10. Increasing the breastfeeding duration rate



The commitment to **QI** will continue, with the continuation of existing projects and the start of at least one new project in each division. As **QI** expands within the health department, more and more staff members are trained and participate in **QI** projects.

# National Accreditation Status

## PHAB


Public Health Accreditation Board

*Advancing public health performance*

### What is PHAB?

The measurement of health department performance against a set of nationally recognized, practice-focused and evidence –based standards. Accreditation standards have been developed to improve service, value, and accountability to stakeholders.

### *DHD#10's PHAB Timeline & Accomplishments*

- 
- 2012**
    - Begin Accreditation Planning—Board of Health supported the agency moving forward with PHAB application.
    - Began the Community Health Assessment process for all 10 counties.
  - 2013**
    - Completed the Community Health Assessment and the Community Health Improvement Plan.
  - 2014**
    - The workforce development plan was completed.
    - Strategic Plan was updated.
    - All necessary documentation that illustrates how the agency meets each of the standards & measures contained within the twelve domains of the accreditation process.
  - 2015**
    - PHAB site visit scheduled.
    - Accreditation status announced.

*Future: Ongoing focus on quality improvement*

*National Accreditation* represents an opportunity for public health agencies to demonstrate how they achieve **the three core functions** and **ten essential services** of public health at a national level.

## Core Functions:

**Assessment, Assurance, & Policy Development**

**&**

## Ten Essential Services:

1. Monitor health status to identify problems
2. Diagnose & investigate health problems & hazards
3. Inform, educate, and empower people about health issues
4. Mobilize partnerships to identify & solve health problems
5. Develop policies & plans that support individuals & state-wide health efforts
6. Enforce laws & regulations that protect health and ensure safety
7. Assure competent public and personal health care workforce
8. Evaluate effectiveness, accessibility, & quality of personal & population-based health services
9. Utilize research for new insights & innovative solutions to health problems
10. Link people to needed health services & assure the provision of health care when otherwise unavailable

What is Public Health?

# Health Insurance Outreach, Education & Enrollment

## New Opportunities...

The Affordable Care Act has provided an opportunity for many residents in our health jurisdiction to secure health insurance.  
— Many for the first time!

### Michigan's Expanded Medicaid Program — **Healthy Michigan Plan**



The health department staff worked in various ways to help consumers gain access to health insurance. Michigan's expanded Medicaid program—the **Healthy Michigan Plan** – opened in April of 2014 and allowed uninsured adults an opportunity to get affordable health coverage. The health department's efforts in the community included educating the public about the new program and eligibility guidelines and application assistance.

[www.healthymichiganplan.org](http://www.healthymichiganplan.org)

### Federal Health Insurance Marketplace **Healthcare.gov**

DHD#10 staff provided outreach, education and enrollment assistance to those consumers eligible for a health plan at **healthcare.gov**. This Marketplace provides subsidies for health plans for those individuals between 100% and 400% of the Federal Poverty Level. Staff was trained to be **Certified Application Counselors** through the Centers for Medicare and Medicaid Services. The Health Department also provided regional coordination in this effort by certifying a staff person as a **Regional Lead Navigator**.



## Enrollment & Outreach Totals

HMP Enrollment Application Assistance	662 Consumers
ACA (Healthcare.gov) Enrollment Application Assistance	146 Consumers
HMP/ACA Outreach Totals	518,198 Consumers Reached
Estimated Eligible Population that Enrolled into the Healthy Michigan Plan	12,744 people enrolled out of 13,801 who were eligible (92%)

# Adolescent Health Spotlight

## The Oceana Prevention Partnership for Change (TOPPC)

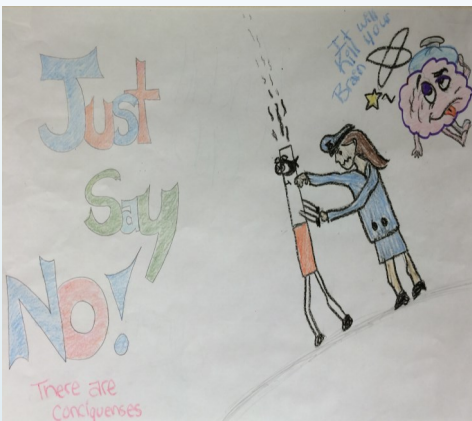
### Accomplishments

**TOPPC Youth** is a group of high school students from Pentwater, Hart, Shelby and Walkerville High Schools in Oceana County. They are focused on promoting healthy lifestyles and preventing risky behaviors among their peers. Planned for 2015, is a monthly education series, a book creation of youth voices in the county, community service, and much more! Accomplishments include: creation of awareness posters, attendance at many community events, participation in various community service projects, creation of a new website, and partnering with another multi-school youth advisory council to bring slam poet duo "Kinetic Affect" to Hart and Shelby high schools.



Discover more about TOPPC at [www.oceanatoppc.org](http://www.oceanatoppc.org)

## Substance Abuse Prevention



Substance Abuse Prevention programs are implemented in Lake, Mason, & Oceana counties. Two programs were offered to area schools within the three counties; Project Alert and Alcohol True Stories. Project Alert is an interactive, 10-session program for middle school students. The program focuses on increasing student's efficacy regarding refusal skills and providing them with a realistic view on current substance abuse trends within the area. Alcohol True Stories is an interactive, two-session program for high school students. The program aims to increase awareness about the consequences from abusing alcohol. Last year **5** project alert programs were implemented, reaching **91** middle school students and **11** Alcohol True Stories sessions were implemented, reaching **336** high school students.

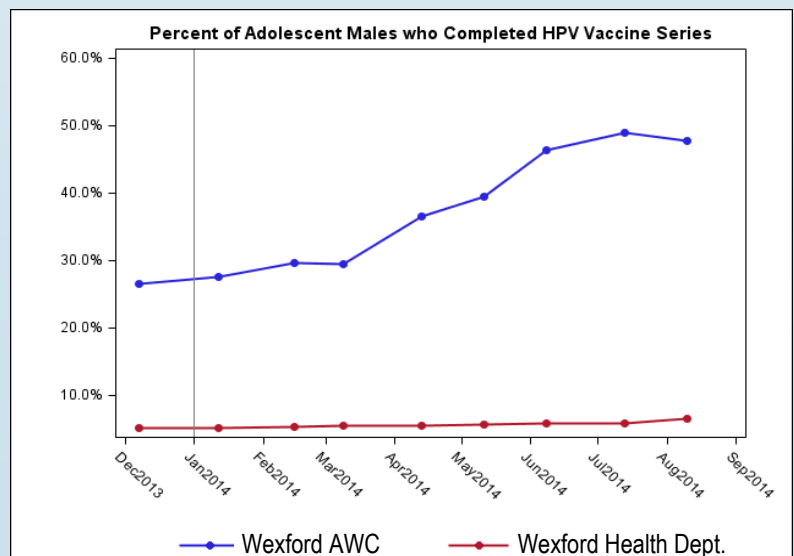
## Adolescent Wellness Centers Currently Serving: Manton, Mesick, & Wexford Youth

The Adolescent Wellness Centers (AWC) provide many services, such as primary care, nursing, mental health, and health promotion programming. New this year was the implementation of after-school fitness and nutrition classes for students and staff.

### Working to Increase Cancer-Fighting Vaccine Compliance

### Promoting Cancer Prevention

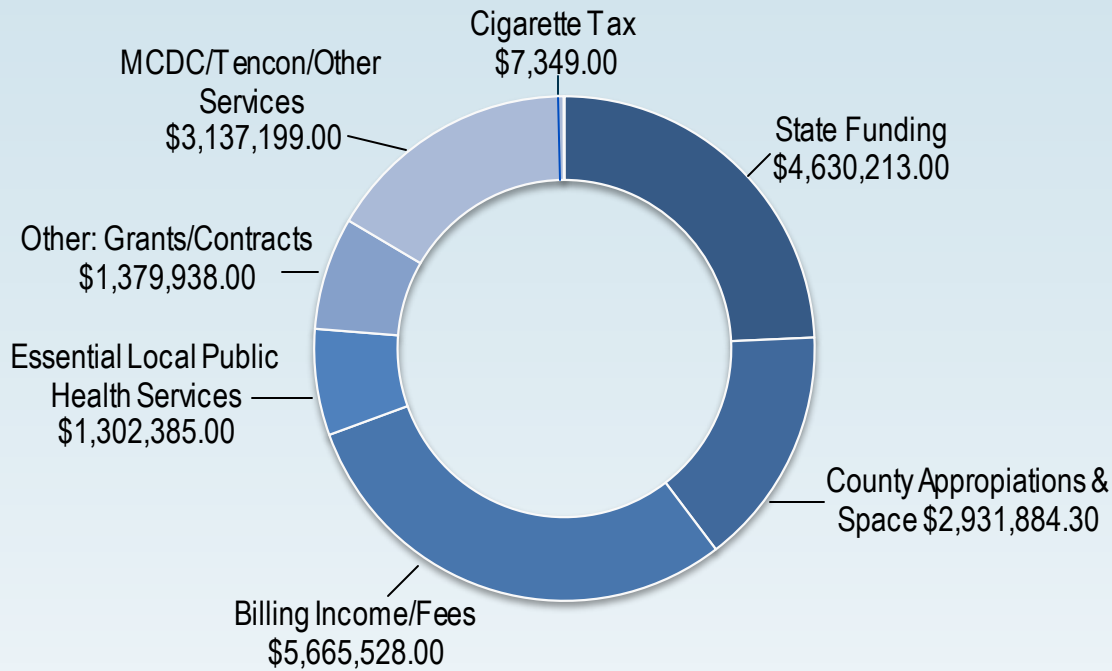
The Wexford AWC volunteered to participate in a continuous quality improvement project with Michigan Department of Community Health (MDCH) in an effort to increase Human Papilloma Virus (HPV) vaccine series completion among males 13-18 years of age. To achieve their goal of increasing the percentage of males who completed the HPV vaccine series from 37% to 76%, the AWC implemented a persistent recall system to gain parental permission and increase HPV vaccine administration. Their efforts proved to be very successful with 70.6% of males from the group completing the series. The AWC staff received praise and recognition from MDCH for their hard work and success.



# Administrative Services

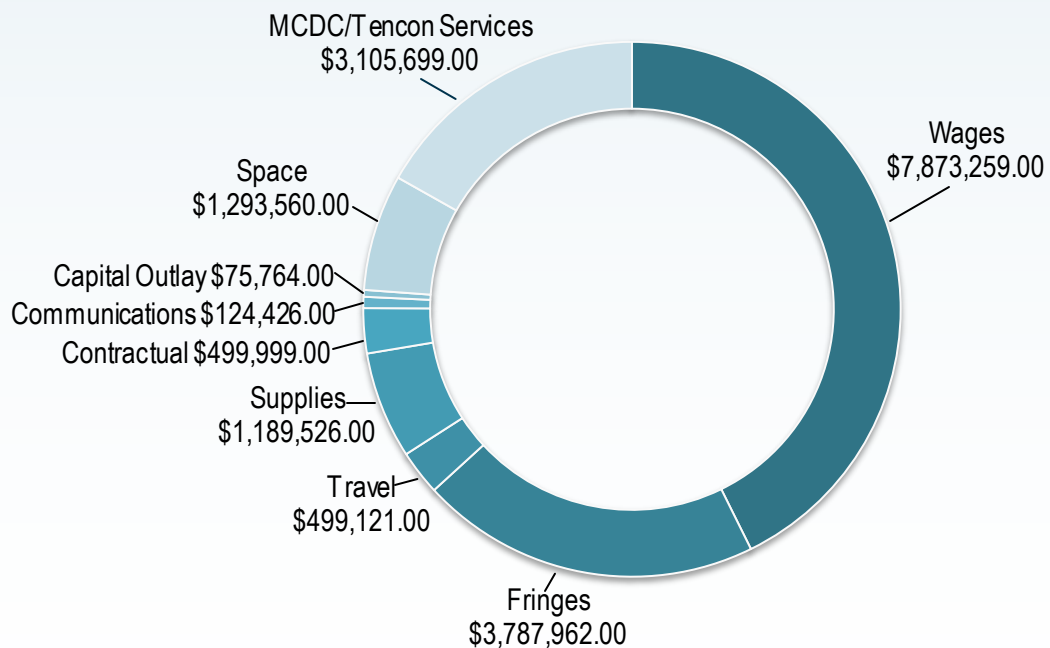
Responsible fiscal management is essential to ensure that DHD#10 functions efficiently and can continue to deliver essential public health services to the community.

## Revenues



Total Revenue: \$19,054,496.30

## Expenditures



Total Expenditures: \$18,823,288.00

Revenues over Expenditures: \$231,208.00



# Public Health Workforce

**THIS IS PUBLIC  
HEALTH.**

[thisispublichealth.org](http://thisispublichealth.org)

## Public Health Workforce Facts:

175 employees, 146 full time, 26 part time, and 3 contractual.

Percentage of employees with **over 20 years experience** is 23%.

Number of staff with **over 30 years of service** is 11.

## Congratulations!

### 35 Years of Service



*Dick Courson,*

Environmental Health Coordinator

“The Administration and the Board of Health are to be commended for their efforts and diligence in maintaining the operations in such a trying and difficult economic time. You are appreciated more than you know.”

“DHD#10 has been an outstanding place to build a career. Residing in the financial area has meant that my customers are the employees who provide services to our communities. They have made this an enjoyable adventure (so far).”



*Steve Marks,*  
Accountant

## Thank you!

### 5 Years

Nancy Koelzer—WIC Nurse

Holly Kokx—WIC & Maternal /Child Dietitian

Bonnie Mellema—Public Health Nurse

Lisa Musselman—Public Health Technician

Stephanie Perez—WIC Clerk, Hearing & Vision Technician

Charlotte Ryder—Clerical Team

Rebecca Saucedo—Certified Nurse-Midwife

Kim Straley—Clerical Team

### 10 Years

Michelle Hill—Clerical Team

### 15 Years

Dawn Fisher—MIS Professional

Karen Ripke—Emergency Response/Health Educator

### 20 Years

Katy Bies—Teen Health Coordinator/Health Educator

Kevin Hughes—Deputy Health Officer

Kim Rendon—WIC Nutritionist/Maternal/ Child Dietitian

Jackie Sullivan—Clerical Team

Rajani Thapa—WIC Nutritionist

Connie Veverica—Clerical Team, Family Planning & BCCCP Tech

Tina Wiegand—Maternal/Child Social Worker

### 25 Years

Deb Gullekson—Immunization Support & Hearing & Vision Tech

Lucy Moon—Environmental Health Technician

Jeanne Schnitker—Maternal/Child Nurse

Joni Sholtey—BCCCP Coordinator

Marc Soles—Environmental Health Sanitarian

Roseann Sanders—Public Health Coordinator

### 30 Years

Sarah Oleniczak—Health Promotion Director

Anita Speese—WIC Nutritionist

### 35 Years

Linda VanGills, Health Officer

Dick Courson—Environmental Health Coordinator

Steven Marks—Accountant

Years of Service & Commitment to our Community



## Emergency Response 2014

2014 was a busy year for public health emergency preparedness

### Flooding

Similar to 2013, the year started with spring **flooding** that affected multiple counties and culminated with several of DHD #10's counties declaring a local state of emergency. Emergency preparedness (EP) staff worked with the county emergency managers and health department environmental health staff to help coordinate a public health response where needed.



### Enterovirus D-68



A new infectious disease called **Enterovirus D-68** was diagnosed within the United States. This was a flu-like disease that seemed to hit children with compromised respiratory systems (such as asthma) the worst. As with any newly emerging disease, public health needed to react quickly to determine what the disease was, who it could affect, and how to prevent it from spreading. EP staff worked with county emergency managers to provide factual information to the public, because there were false information and rumors spreading through social media sites.

### Ebola

A second disease called **Ebola** was also identified in the US. **Ebola** was not a new disease, but it had not been diagnosed in the United States before this year. Unfortunately, the hospital that received the initial **Ebola** patient was not prepared and two healthcare workers were subsequently infected with the disease. The silver lining to this issue is that local hospitals and health departments (**including DHD #10**) learned from the experience and are now better prepared for this type of disease. EP staff spent a significant amount of time working with our partners (from hospitals and schools to judges and police officers) to make sure plans and procedures were in place to handle **Ebola** patients within our jurisdiction.



The best way to stay safe during an emergency is to have a *plan* and to be *prepared*. For preparedness tips, visit:  
[www.dhd10.org/emergency-preparedness](http://www.dhd10.org/emergency-preparedness)

# Communicable Diseases & Reporting



## Communicable Disease Trends

**Chlamydia** continues to be one of our most common diseases. Many cases continue to go undiagnosed and unreported. Data shows the number and rates are the highest between the ages of 15-24 years of age.

**Chronic Hepatitis** affects at least 3 million US residents. Chronic infection appears to be declining.

**Campylobacter** infections continue to be an important problem in the US. CDC estimates that for every campylobacter case reported there is 30 cases not diagnosed. This infection continues to be the most common bacterial cause of gastrointestinal illness today.

**Chicken pox** cases continue to decline. Cases today are mainly seen in unvaccinated individuals.

**Pertussis** outbreaks continue to increase. The most effective way to prevent pertussis is through vaccination of both children and adults. Outbreaks are costly to families and the community.

**STEC** cases remain low but are often a very severe infection in those that are diagnosed with STEC. It can cause damage to the kidneys and may lead to death.

## DHD#10 District Communicable Disease Totals

	2013-14	2012-13	2011-12	2010-11
Chlamydia	595	613	578	526
Hepatitis C (chronic)	179	145	141	145
Campylobacter	42	53	61	48
Chicken pox	28	37	43	34
Salmonellosis	20	29	22	23
Gonorrhea	33	26	25	36
Streptococcal diseases	9	16	6	15
Shiga Toxin Producing Escherichia Coli (STEC)	6	11	6	5
Giardia	16	9	13	9
Pertussis	38	7	6	21

## County Specific Communicable Disease Reporting

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Chlamydia	28	24	35	31	62	118	23	123	70	81	595
Hepatitis C	19	16	18	14	11	15	9	37	9	31	179
Campylobacter	2	2	0	8	3	6	7	8	2	4	42
Chickenpox	9	0	0	1	0	4	4	2	5	3	28
Salmonellosis	1	2	3	1	1	3	2	3	1	3	20
Gonorrhea	0	0	4	1	9	8	1	7	2	1	33
Streptococcal	0	2	1	0	1	1	1	1	2	0	9
STEC	0	0	0	0	0	1	2	1	1	1	6
Giardia	1	0	1	0	1	1	4	5	1	2	16
Pertussis	9	4	1	2	3	4	1	2	1	11	38



## Environmental Health News

### Medical Waste Safety

In 2014, the Environmental Health Division assisted the Michigan Department of Environmental Quality (DEQ) with a pilot project to inspect and evaluation medical waste storage generators and facilities. The facilities consisted of veterinarian offices, medical clinics, dental offices, funeral homes, pharmacies, and urgent care centers. They have never been inspected and DEQ wanted to know if there were any problems and the level of compliance that existed. The Division conducted 51 inspections and found that 26% of the facilities had no problems, while 24% had a lack of training and 32% had storage problems that needed correction.



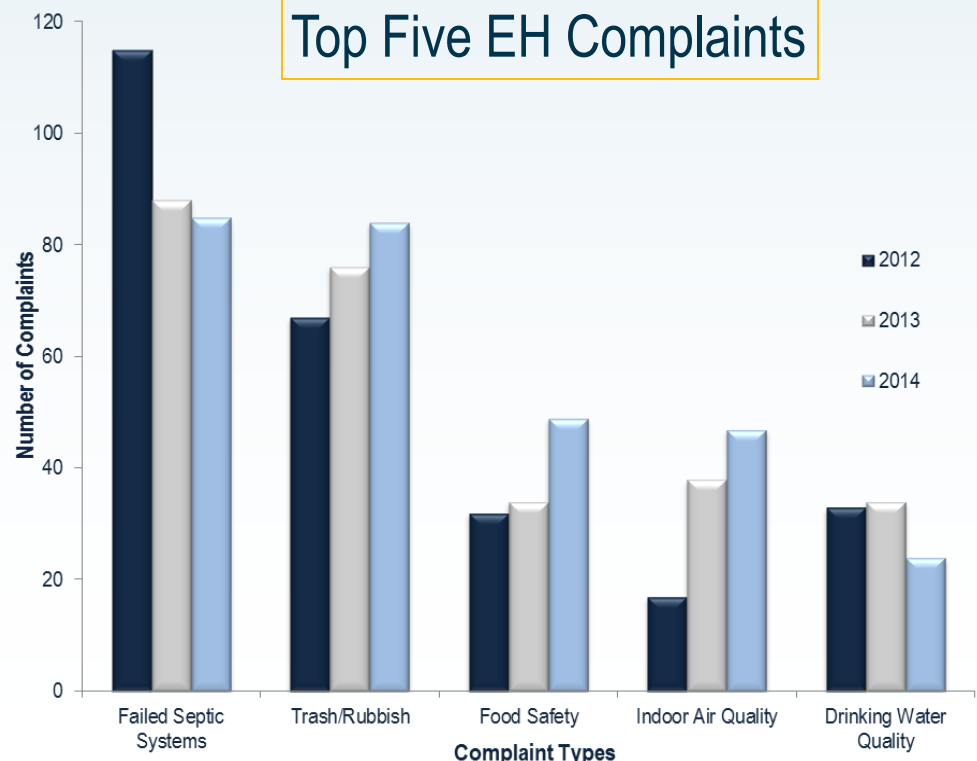
EH Snapshot	
Water Supply Program	
Well Permits	1,365
Type II Sanitary Surveys	219
On-Site Sewage	
Septic Permits	1,108
Septic Failures	362
Mortgage Evaluations	206
Building Permit Approvals	255
Soil Evaluations	50
Food Safety	
Fixed Food Establishment Inspections	1,995
Temporary Food Establishment Inspections	568
Food-Borne Illness Investigations	40
Community Health and Safety	
Campground Inspections	266
Swimming Pool Inspections	172
Child Care Facility Inspections	239
Complaint Investigations	318
Tanning Inspections	49



Public sewers tend to be well run and maintained and are the preferred choice for sewage disposal. Nevertheless, due to damaged lines or weather conditions or equipment failure, there are times that public sewers will release sewage before it is fully treated. 2014 was a bad year for this type of occurrence with 18 releases of over 1,000 gallons. The role of the Environmental Health Division is to determine what level of environmental testing needs to be conducted and to work with the local community to decide what actions need to be done to protect public health and prevent contact with any contamination. This might involve the collection of water samples (surface water or groundwater) and/or the issuing of public health advisories.

### Sewage Spill Response

## Top Five EH Complaints







## Expanding Important Cancer Screenings

DHD #10 has partnered with Spectrum Health's Susan P Wheatlake Regional Cancer Center for the past 8 years forming the **Lake, Mecosta, and Osceola Cancer Prevention Coalition** in an effort to offer free cancer screenings to the county residents and the surrounding area. Cervical, breast, prostate, colon and skin cancer screenings are offered as well as education about healthy nutrition, self-breast exams and access to community resources. The program has served **135 people** since 2007. Beginning in 2013, the coalition also began offering skin cancer screenings at local events during the summer months serving **181 participants**.



### LiveWell Challenges DHD#10 Communities



In 2014, the **LiveWell** campaign challenged our communities to walk 100 miles. Over 325 individuals completed the challenge (that's 32,500 miles!), including 6 year old Linnea from Newaygo County and a breast cancer survivor from Manistee County. Families also got involved by hitting Michigan Trails during Michigan Trails Week in August, logging over 4,000 minutes walking, biking and running on Michigan Trails.



### WISEWOMAN Program Changes Lives

Ann came through our **BCCCP & WISEWOMAN** program in January 2013. Her screening results showed borderline cholesterol and blood sugar in the diabetes range. She was referred to have some testing done and the results confirmed diabetes. Ann was referred to a free medical appointment as well as DHD#10's diabetes management class – an opportunity that would change Ann's life. According to Ann, "That appointment in January 2013 saved my life, I have never been this healthy in my life! I cannot put into words how wonderful the women at the health department are. The **WISEWOMAN** program started the medical treatment I so desperately needed. I will always feel indebted and thankful to these wonderful people. Now I do not eat any fast food, frozen or processed food. I also started running, walking and swimming right after I found out I was diabetic. I have lost 55 pounds and I feel great!"

**"My best advice is to work through small changes so you aren't overwhelmed!"**

Health Promotion Snapshot	
Worksite Wellness Screenings	
308	
Youth Programs	
Girls on the Run Participants	696
Adolescent Wellness Center Students Served	
Cadillac	530
Manton	226
Mesick	163
Students Participating in Teen Pregnancy Prevention Initiative	
Oceana	100
Wexford	301
Family Health Programs	
Family Planning Participants	2,065
Breast and Cervical Cancer Screening	979
Colorectal Cancer Screening	251
WISEWOMAN Program Screening/Counsel	797
Northern Michigan Substance Abuse Services (NMSAS) # Reached	
Lake	12,248
Mason	26,653
Oceana	61,038

### Looking Healthy!





## Personal Health Services Snapshot

Immunizations	
Vaccines Administered	7,515
Influenza Vaccines Administered	9,306
Maternal Infant Health Program (MIHP)	
MIHP Maternal Clients	981
MIHP Maternal Visits	6,333
MIHP Infant Clients	830
MIHP Infant Visits	7,806
Hearing and Vision	
Preschool Hearing Screenings	2,057
School Hearing Screenings	8,809
Preschool Vision Screenings	3,987
School Vision Screenings	12,040
Communicable Disease Control	
Total Communicable Disease Services	826
TB Tests	1,675
STD Services	662
HIV Tests	150

— The best defense against vaccine-preventable disease! —



Diseases our **immunization nurses** vaccinate against include: Annual Influenza, DTaP/Tdap (Diphtheria, Tetanus, & Pertussis), Shingles, Pneumococcal (pneumonia), Meningococcal (Meningitis), Rotavirus, Hib, Hepatitis A & B, HPV, Polio, MMR (Measles, Mumps, & Rubella), Varicella (Chickenpox), & Zoster (Shingles).

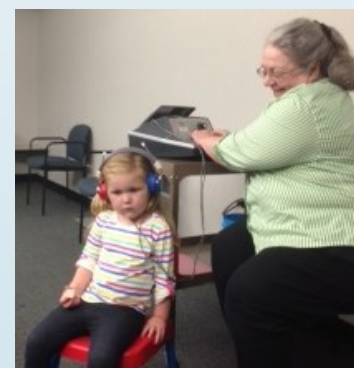
— To help Mom's have a healthy pregnancy and baby! —

Our **MIHP** teams consist of **nurses**, **social workers**, and **dietitians** who are devoted to providing support, guidance, resources, and direct care to promote and support healthy pregnancies, good birth outcomes, and healthy infants.



## Raising Awareness

DHD#10 received a note from a parent whose daughter recently failed the hearing screening and got referred to the doctor for follow up. The parent wrote that his daughter had not mentioned having any difficulty hearing and was not complaining of any pain in the ear. The doctor found evidence of infection and fluid behind the child's eardrum. The doctor commended the health department for providing screenings to area schools and told the parent that without the screening program many ear infections would go undiagnosed in preschool children.



## A Snapshot Into Communicable Disease Investigation & Contact Tracing

A toddler in the DHD#10 district was hospitalized and tested positive for Pertussis (whooping cough). A DHD#10 **public health nurse** worked with the doctor's office to ensure family members were treated with a prophylactic antibiotic and assisted the doctor's office by providing follow up with employees at the doctor's office and patients who were waiting in the office at the time of the sick toddler's appointment. As a result of the teamwork between the doctor's office and the DHD#10 **public health nurse**, no other cases of Pertussis were reported.

*Timely investigation of reportable diseases & treatment of contacts helps decrease disease transmission!*

# Women, Infants, & Children—WIC

## WIC Highlights

- WIC State Accreditation focusing on Management was very successful, 99% of all indicators were met.
- WIC program was awarded the Childhood Lead Poisoning Prevention grant which provided outreach and education in 21 counties.
- Expanded WIC Nutrition Education options to include self-directed options for postpartum healthy weight, pregnancy and picky eaters.
- WIC program collaborated with MSU Extension to offer “Cooking Matters at the Store” grocery tours.
- 2014 Project FRESH/WIC Farmers Market Nutrition Program distributed over 3,700 coupon booklets (redeemable for fresh fruits and vegetables) — valued at \$75,000.00.
- WIC food purchases totaled over 5.8 million dollars in all 10 counties, which provides a great economic benefit to our local businesses and reduced food insecurity among DHD#10 families.

WIC Snapshot	
Average Monthly Enrollment	9421
% Return Rate	94%
# of Project Fresh Books Distributed	3,743
Value of Project Fresh Coupons	\$74,860
Child Lead Screening	1,283



### Great News!

Governor Snyder signed the **Breastfeeding Anti-Discrimination Act!**  
This Act grants women the right to breastfeed in any public place.

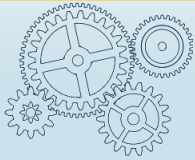
### Breastfeeding Support Leads to Positive Experiences & Outcomes

A **WIC** mother of triplets was able to get one baby to breastfeed while pumping milk for her other two babies. After just one month and with the support of the **WIC Breastfeeding Peer Counselor**, the mom is now successfully & exclusively breastfeeding all three babies!

### WIC Makes A Difference: WIC Education Changes Lives

A **WIC** mother arrived to her appointment with her four year old daughter. The mother asked the **WIC nurse** if she remembered her eldest daughter, who was quite a bit overweight as a toddler. The mother stated the dietary changes recommended by **WIC** helped her daughter get to a healthy weight and an improved quality of life. From the voice of the four year old, “school is so much more fun for her this year because she can run and play with her friends!”

# 2014 DHD#10 District Data



Data...

the gears that drive public health

*Cause-of-death statistics* help public health entities determine their focus for public health measures and implement programs and services aimed at reducing the burdens of disease.

Leading Causes of Death

	DHD#10 Number of deaths	DHD#10 Death rate per 100,000	Michigan Death rate per 100,000
Heart disease	670	191.1	197.9
Cancer	649	176.7	174.9
Chronic lower respiratory	194	53.6	45.2
Stroke	131	36.9	37.2
Accidents	121	43.9	36.6
Diabetes	101	27.8	23.0
Alzheimer's disease	95	27.0	25.6
Suicide	46	18.1	12.4
Pneumonia/Influenza	38	11.2	13.3
Kidney disease	40	11.1	13.5

Source: MDCH, 2012

*Community Health Indicators* are used to tell the story of each county's health with the intentions of identifying the burdens of disease and planning, implementing, and evaluating interventions aimed at improving overall health. The following chart identifies key health indicators for all ten DHD#10 counties and the state of Michigan.

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Michigan
Total Population <sup>1</sup>	13,904	17,196	11,386	24,450	28,605	43,108	15,051	48,001	26,245	32,645	9,985,622
# of Births <sup>2</sup>	103	198	99	204	307	450	199	545	323	365	112,708
Birth Rate per 1,000 <sup>2</sup>	7.4	11.6	8.6	8.3	10.7	10.4	13.2	11.4	12.3	11.2	11.4
# of Deaths <sup>2</sup>	153	179	146	318	321	372	140	483	242	335	89,917
Death Rate per 100,000 <sup>2</sup>	10.9	10.5	12.7	12.9	11.2	8.6	9.3	10.1	9.2	10.3	9.1
Cancer Mortality Age Adjusted Rate per 100,000 <sup>2</sup>	180.7	198.7	215.1	182.7	189.3	186.4	172.1	203.6	151.4	205.1	178.1
Cardiovascular Disease Mortality Age Adjusted Rate per 100,000 <sup>3</sup>	247.3	285.8	258.3	244.5	231.7	263.7	234.0	221.3	234.7	252.8	255.9
Household Income, 2008-12 (median) <sup>4</sup>	\$39,982	\$39,849	\$30,390	\$41,228	\$40,957	\$38,332	\$40,406	\$43,180	\$39,667	\$40,660	\$48,471
Persons below Poverty <sup>5</sup>	19.7%	15.1%	28.2%	17.3%	16.1%	22.0%	14.8%	17.9%	21.8%	15.2%	17.4%
Medicaid Paid Births <sup>5</sup>	70.9%	71.2%	74.7%	58.8%	51.1%	51.6%	60.3%	55.2%	74.3%	66.8%	44.0%
Teen Pregnancy Rate per 1,000 <sup>5</sup>	51.4	44.7	68.2	50.2	53.1	27.4	46.8	52.9	59.2	57.6	44.5
Smoked while Pregnant <sup>5</sup>	47.6%	42.4%	41.0%	34.9%	24.1%	30.4%	25.1%	31.0%	25.4%	32.4%	20.2%

Sources: 1-US Census, 2013; 2-MDCH, 2012; 3-MDCH, 2010-2012; 4-US Census, 2008-2012; 5-Michigan League for Public Policy, 2012



# Access to DHD#10 Health Services Data

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
<b>Maternal Infant Health Program (MIHP)</b>											
Maternal Clients	64	44	48	55	94	150	74	173	115	164	987
# of Maternal Visits	395	284	234	336	590	893	666	1,058	672	1,205	6,333
Infant Clients	47	34	37	56	64	144	82	140	69	157	830
# of Infant Visits	337	349	180	472	751	1,207	1,012	1,353	667	1,478	7,806
<b>Children's Special Health Care Service</b>											
# of Children	56	62	36	77	96	178	67	187	99	179	1,037
# of Services	68	72	68	83	68	158	79	354	319	544	1,813
<b>Women, Infants, and Children (WIC)</b>											
Average Monthly Enrollment	406	525	361	560	927	1,345	424	2,048	1,145	1,680	9,421
% Return Rate	96%	97%	96%	94%	95%	95%	91%	96%	97%	91%	94%
# of Project Fresh Distributed	143	187	130	200	332	478	146	1,148	395	584	3,743
Value of PROJECT FRESH coupons	\$2,860	\$3,740	\$2,600	\$4,000	\$6,640	\$9,560	\$2,2920	\$22,960	\$7,900	\$11,680	\$74,860
Child Lead Screening	43	43	60	71	61	215	70	265	142	313	1,283
<b>Family Planning Services</b>											
# of Clients Served	110	150	51	210	403	154	155	185	294	379	2,091

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
<b>WISEWOMAN Program</b>											
# Served	46	59	35	61	102	91	42	120	77	118	751
<b>Cancer Screening Programs</b>											
Breast & Cervical Screenings	55	64	36	62	141	99	44	166	119	143	929
# Cancers Found	0	1	0	0	2	2	2	2	2	2	13
Colorectal Screenings	13	12	14	22	29	29	8	50	15	29	227
# Referred for Colonoscopy	0	6	1	2	5	6	0	0	2	2	24
<b>Dental Health - services provided in partnership with Michigan Community Dental Clinics</b>											
# Clinic Clients	631	1,433	286	1,866	1,612	2,063	698	433	1,853	2,197	13,072

Discover more district health data at [www.dhd10.org](http://www.dhd10.org)

# Environmental Health Services Data

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Radon Kits Distributed	3	49	10	103	68	52	71	21	46	51	474
Soil Evaluations	0	5	2	6	10	1	2	17	5	2	50
Mortgage Evaluations	1	1	12	0	5	17	3	124	43	0	206
Building Permit Approvals	2	69	25	7	11	47	6	30	50	8	255
Complaints (all)	23	10	14	18	43	24	33	53	27	73	318
Child Care Inspections	18	16	7	19	29	30	19	40	24	37	239
Campground Inspections	27	12	29	30	22	25	11	45	37	28	266
Swimming Pool Inspections	9	6	4	22	42	26	1	11	36	15	172
Type II Sanitary Surveys	26	18	14	27	16	47	9	16	25	21	219
Tanning Inspections	5	2	5	5	6	3	3	6	5	9	49
Animal bites/exposures	41	37	38	56	78	106	42	75	94	85	652

DHD#10 Chartbooks have additional health data at  
[www.dhd10.org/chartbooks](http://www.dhd10.org/chartbooks)

# Essential Local Public Health Services

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
<b>Onsite Sewage</b>											
Septic Permits	59	89	73	134	103	150	66	167	175	92	1,108
Septic Failures	36	25	10	47	51	40	15	41	65	32	362
<b>Water Program</b>											
Well Permits	77	89	85	120	153	181	114	247	179	120	1,365
Well Inspections	35	37	38	26	30	20	29	30	23	18	286
<b>Food Service</b>											
Food Operation Inspections	114	117	97	265	255	244	81	266	187	369	1,995
Temp Food Booth Inspections	14	15	39	52	104	76	35	42	81	110	568
Reported Food Borne Illness	1	3	3	4	5	6	1	5	7	5	40
<b>Immunizations</b>											
Vaccines Given	614	394	178	644	1,573	1,113	402	831	1,047	719	7,515
Influenza Vaccines Given	534	984	434	895	1,387	1,081	743	1,067	1,181	1,000	9,306
<b>Communicable Disease</b>											
TB Skin Tests Given	57	58	59	281	340	233	141	293	272	240	1,977
TB Patients on Prophylaxis	3	3	0	2	4	2	0	6	2	1	23
Communicable Disease Services	64	73	36	169	52	128	40	118	49	97	826
<b>STD Services</b>											
STD Cases	32	27	39	33	76	128	30	137	80	82	664
HIV Tests	10	13	2	5	16	13	11	25	10	45	150
<b>Hearing Screenings</b>											
Preschool Hearing Screenings	45	164	73	120	413	348	88	329	278	199	2,057
School Hearing Screenings	385	428	170	688	909	1,295	653	1,890	1,058	1,333	8,809
<b>Vision Screenings</b>											
Preschool Vision Screenings	41	136	70	115	380	306	80	374	249	177	1,928
School Vision Screenings	710	733	232	1,240	1,628	1,194	1,088	3,321	1,717	2,231	14,094

Includes eight fundamental public health services mandated in Part 24 of the Public Health Code, Public Act 368.



# Connect with DHD#10!

## DHD#10 Office Locations & Phone Numbers

**Crawford County**

501 Norway Street  
Grayling, MI 49738  
(989) 348-7800

**Kalkaska County**

625 Courthouse Drive  
Kalkaska, MI 49646  
(231) 258-8669

**Lake County**

5681 S M-37  
Baldwin, MI 49304  
(231) 745-4663

**Manistee County**

385 Third Street,  
Manistee, MI 49660  
(231) 723-3595

**Oceana County**

3986 N. Oceana Drive,  
Hart, MI 49420  
(231) 873-2193

**Mecosta County**

1485 Northland Drive  
Big Rapids, MI 49307  
(231) 592-0130

**Missaukee County**

6180 Sanborn, Suite 1  
Lake City, MI 49651  
(231) 839-7167

**Newaygo County**

1049 Newell Street  
White Cloud, MI 49349  
(231) 689-7300

**Mason County**

916 Diana Street  
Ludington, MI 49431  
(231) 845-7381

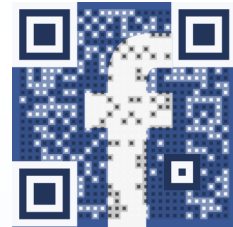
**Wexford County**

521 Cobbs Street  
Cadillac, MI 49601  
(231) 775-9942

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[facebook.com/adolescentwellnesscenter](https://facebook.com/adolescentwellnesscenter)



## Community Partners

Cadillac Area Public Schools  
Cadillac First Church of the Nazarene  
Cadillac Senior Center  
City of Big Rapids & Rec Dept.  
Community Foundation of Oceana County—YAC  
Dental Clinics North  
Early On Programs: Crawford, Lake, Manistee, Mason,  
Newaygo & Oceana  
Fremont Area Community Foundation  
Fremont Christian Church  
Hart Rotary  
Manistee County Child Advocacy Center  
Manistee Rec Association  
Manton Public Schools

Michigan Community Dental Clinics  
Mesick Public Schools  
Mercy Hospital Cadillac  
Michigan Cancer Consortium  
Shelby Optimists  
Shelby Rotary  
Snyder's Shoes  
Spectrum Health—Big Rapids Campus  
Trinity Health  
United Methodist Church of Lake City  
United Way — Lakeshore  
WCDY 107.9  
0-5 Parents as Teachers — Newaygo County RESA

*Thank You!*