

# 2012 Annual Report



*Healthy People*  
*Healthy Communities*



***District Health Department #10***

# Contents

2	Board of Health	12	Personal Health
3	Health Officer & Medical Director Message	13	Women, Infants, and Children (WIC)
4	Preventing Obesity	14-19	2012 Annual Report Data Supplement
5	Road Map for Health	20	County Offices & Community Partners
6	Administrative Services		
7	Public Health Workforce		
8	Emergency Preparedness		
9	Leading Causes of Death		
10	Environmental Health		
11	Community Health Education		

## Mission

To promote and enhance the health of all individuals through education, prevention, intervention, and protection of the environment.

## Our Values

Integrity      Positive Attitude  
Responsibility  
Customer Service  
Accountability  
Communication

## Board of Health

### Crawford County

Shelley Pinkelman, Chair

Kathy Rogers

### Kalkaska County

Carroll Sexton

Deb Kimball

### Lake County

Ken Wenzel

Colleen Carrington

### Manistee County

Ken Hilliard

Jim Krolczyk

### Mason County

Robert Erickson

Susan Boes

### Mecosta County

Art Adleman

Ray Steinke, Secretary

### Missaukee County

Susan Rogers

Hubert Zuiderveen

### Newaygo County

Stanley Nieboer

Simon (Sam) Scholtens,

Vice Chair

### Oceana County

Evelyn Kolbe

Larry VanSickle

### Wexford County

Jerry Bullock

Gary Taylor

# A Message from our

## Health Officer & Medical Director



*Linda VanGills  
Health Officer*



*Dr. James Wilson  
Medical Director*

Dear Residents,

We are proud to share a summary of key achievements of District Health Department #10 during 2012. DHD#10 continues to provide strong public health services to the health jurisdiction. Emphasis is placed upon customer service and quality improvements. This is to assure that services are provided in the most efficient method possible and are centered on the core functions of public health, which include assessment, assurance, and policy development.

Working toward disease prevention, safe environments, and health promotion is a vital role that public health plays in the community. If public health is doing a good job, you should hear very little about what is going on. On a daily basis, we are monitoring immunization status, inspecting restaurants to assure safe food handling, enrolling pregnant women into WIC and the Maternal Infant Health Program to encourage healthy birth outcomes, following up on communicable diseases, and providing a multitude of other preventive health activities aimed at improving health outcomes through a population based approach.

Public health is built on the premise of protecting the health of the community. We continue to track and provide traditional public health services. Changes in our culture over the past 30 years have contributed to new public health challenges focused on risk factors associated with chronic disease, such as limited physical exercise, poor eating behaviors, and tobacco use. We are facing an epidemic of overweight and obesity in our health jurisdiction, state, and nation. In some counties, almost 70% of our adult population is either overweight or obese. This problem is contributing to early onset of hypertension, elevated cholesterol, cancer, and diabetes. This does not just impact the individual but contributes to escalating health care costs, early death, and quality of life concerns.

DHD#10 is moving forward with a strong commitment to community health assessment in partnership with area hospitals. Community partners are collaborating on health improvement plans and DHD#10 will use this information to proceed with an application for National Public Health Accreditation. We also look forward to implementing key components of the Infant Mortality Reduction Plan and the Michigan Health and Wellness 4x4 Plan, released in 2012.

Public health priorities continue to evolve and change. To address current health priorities and future emerging health threats, please know that DHD#10 will strive to provide a proactive response for our health jurisdiction and local communities.

Sincerely,

A handwritten signature in black ink, reading "Linda VanGills".

Linda VanGills, MA  
Health Officer

A handwritten signature in black ink, reading "James R. Wilson".

Dr. James Wilson, MPH  
Medical Director

# Preventing Obesity



*District Health Department #10 has been awarded one of six grants from the Michigan Department of Community Health (MDCH) focused on reducing obesity by implementing the Michigan Health and Wellness 4 x 4 plan. This project is being implemented through our local community health coalitions: Northwest Michigan Chronic Disease Prevention Coalition, Cadillac Community Health Coalition, Healthy Manistee County, and Newaygo County Healthcare Improvement Council.*

This state plan includes four recommendations: maintain a healthy diet, engage in regular exercise, get an annual physical exam, and avoid all tobacco use. It is recommended that four measures are controlled: body mass index (BMI), blood pressure, blood cholesterol, and blood sugar. Locally, a ten-county community campaign will provide education on obesity and encourage a call to action.

## Follow these Tips:

### FOR YOURSELF:

- Drink more water
- Cut back on sugar in food and drinks
- Move more—30 minutes of brisk exercise 5x a week
- Eat 5 or more fresh fruits and vegetables daily, 100% whole grains, lean proteins, and low-fat dairy products

### FOR YOUR FAMILY:

- Always pack a fruit and a vegetable in lunch boxes
- Be a healthy role model
- Plan physical activities with family and friends
- Use the 5-2-1-0 plan
  - 5 fruits and veggies a day
  - 2 hours or less of screen time a day
  - 1 hour of physical activity a day
  - 0 sugar-sweetened drinks a day

### FOR YOUR EMPLOYEES:

- Start an employee wellness program
- Encourage walking groups and alternatives to sitting
- Make it easier for employees to choose healthy snacks
- Reward employees for healthy lifestyle choices

### FOR YOUR COMMUNITY:

- Create and advocate for more walkable communities
- Support local farmer's markets and community gardens
- Support the Michigan Health and Wellness 4x4 plan

## JOIN OUR LIVE WELL MOVEMENT

[www.LiveWell4health.org](http://www.LiveWell4health.org)



# Community Health Needs Assessment

*One of the challenges facing local health departments and their community partners is the need to build and maintain healthier communities in the future.*

In order to do this, District Health Department #10 has completed a *Community Health Needs Assessment*. In each of our counties, the Health Department worked with local hospitals, health coalitions, and other community partners in a collaborative effort to assess the health status of the community by reviewing current health related information and surveying residents. For the Health Department, the purpose of the assessment is to assist in the agency's program development, monitoring, and evaluation process. The next step will be to develop a Community Health Improvement Plan in each county. Recognizing that achieving healthier communities will require collaboration, planning, and participation on the part of all partners, District Health Department #10 commits to maintaining these efforts now and in future years.

## Road Map to Health

### Public Health Core Functions: Assessment, Assurance, and Policy Development

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

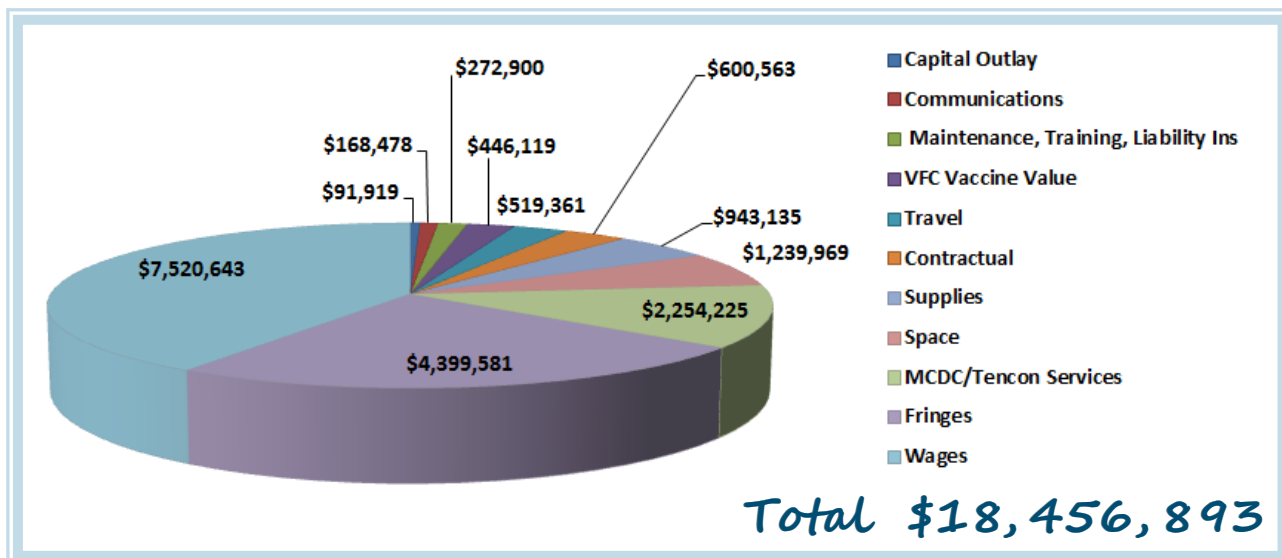
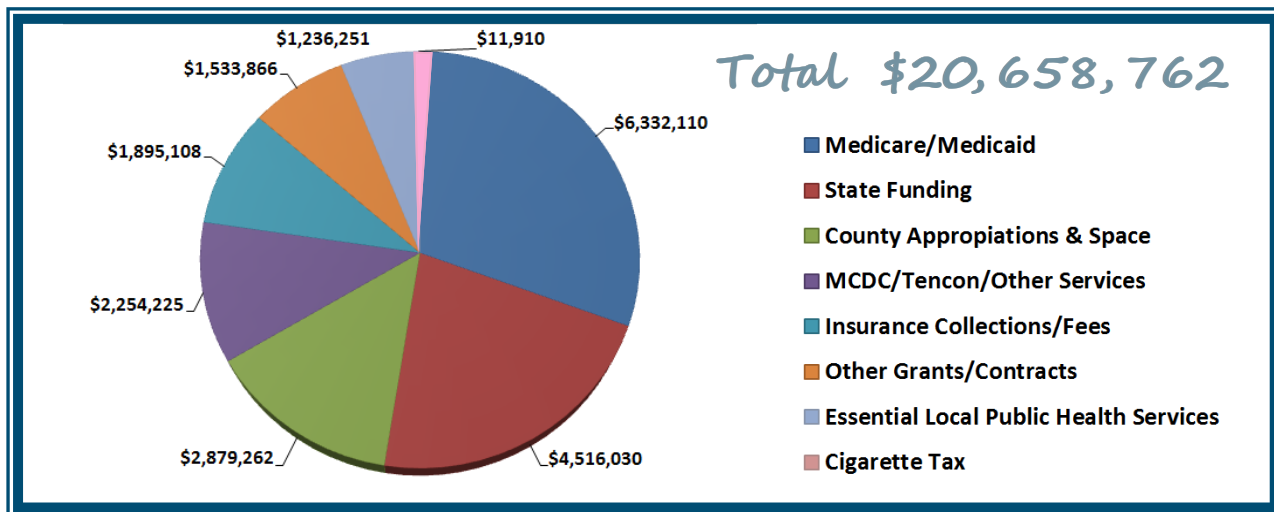


**Public Health**  
Prevent. Promote. Protect.

Core Functions  
& Ten Essential Services

# Administrative Services

Total Revenues



Expenditures

## Fund Balance

Fund Balance from Operations	\$428,596
Medicaid Cost Settlement Dollars	\$1,773,273
<b>Total</b>	<b>\$2,201,869</b>

As the result in the change of accounting standards this revenue which was originally carried as a deferred revenue must be now recognized in the budget year it was earned even though DHD#10 does not have the funds. This change has positively impacted the fund balance for budget year 2012 because it was a transition year and an additional year of Medicaid cost settlement dollars was recognized.

## Electronic Health Record

In 2010, the US Department of Health and Human Services released the *EHR Incentive program*. This program made funds available to help hospitals and medical providers adopt, implement or upgrade to electronic health records (EHR).

We have spent time upgrading our existing health record, computers, and staff to meet the federal requirements.

### Benefits . . .

- ◊ Reducing paper forms and elimination of charts needing storage
- ◊ Clinicians & Medical Director can view charts electronically from any office
- ◊ Access to more statistics and reports



## Years of Service

### 5 Years

Nina Bolles, Family Planning / CDHCS Nurse

Lindsey Brockway, Maternal / Child / Public Health Nurse

Lisa Harding, Maternal / Child / Family Planning Nurse

Margaret Wojey, Maternal/Child Social Worker

Michelle Berk, Accounts Payable Clerk

Rebecca Fink, Maternal / Child Nurse

Ryan Gyurich, Environmental Health Sanitarian

Tracy Urban, Family Planning Nurse

### 10 Years

Amy Eling, Environmental Health Sanitarian

Joy Jaquish, Maternal / Child Social Worker

Julie Burger, Maternal / Child Nurse

Kelly Wawsczyk, WIC Clerk / Technician

Kim Depeel, BCCCP Clerical Support

Patti Gasper, Vision / Hearing Technician

Pennie Thebo, WIC Clerk / Technician

Sheryl Slocum, Family Health Supervisor / EHR Liaison

Sue Owens, Nurse Practitioner

Terri Pontz, Maternal / Child Social Worker

Tom Reichard, Environmental Health Director

### 15 Years

Sean Allen, MIS Network Specialist

Becky Haight, Senior Billing Clerk

Holly Joseph, Health Educator

Robin Schroeder, WIC Nutritionist / Maternal / Child Dietician

### 20 Years

Linda Wiedman, Reception / Clerical Team / CSHCS / FP Clerk

Anne Young, Maternal / Child Manager / Imms Coordinator

### 25 Years

Julie Dillingham, Executive Secretary

Randy Earnest, Environmental Health Sanitarian

Maureen Goulet, Maternal / Child Nurse

Linda Holmes, WIC Nurse

Jim Pankiewicz, Environmental Health Sanitarian

### 30 Years

Doreen Byrne, Public Health / Family Planning Nurse

### 35 Years

Mary Miller, Reception / Clerical Team / EH / CSHCS Clerk

## Public Health Workforce Facts:

- **177** employees; **147** full time, **27** part time, and **3** contractual
- Percentage of employees with over **20** years of service is **25%**
- Number of staff with over **30** years of service is **13**

## Public Health Recognition:

- Received award from Michigan Cancer Consortium Challenge for cancer awareness and prevention knowledge among employees.



*Mary Miller*  
**35 Years of Service**

*"Public health has given me the opportunity to work in a variety of programs with a team of wonderful and dedicated people. I'm glad to be a part of this TEAM!"*

# Emergency Preparedness

## Getting ready for emergencies . . .

In **2012**, DHD #10 emergency preparedness staff continued to review, update, or create guidelines to better prepare DHD #10 for public health emergencies.

### *Our Emergency Preparedness Activities Include:*

- ◇ *Conducted emergency risk assessment for all ten counties*
- ◇ *Completed additional National Incident Management System training*
- ◇ *Participated in local emergency management exercises*
- ◇ *Tested our emergency radio capabilities*
- ◇ *Updated several guidelines including our Emergency Operations, Crisis and Emergency Risk Communication, Strategic National Stockpile, Continuity of Operations, and Mass Vaccination*
- ◇ *Facilitated office Fire and Lockdown drills*
- ◇ *Facilitated Emergency Response Team notification drills*

Emergency preparedness staff also continued to work with our local partners in emergency management, law enforcement, health care, schools, and human service organizations to ensure our communities are ready to respond to a variety of public health challenges.

## Tracking information . . .

*To monitor health threats, track public health resources, and notify staff during an emergency.*

### **Examples:**

- ◇ **Michigan Disease Surveillance System (MDSS)** - A web-based, real-time disease surveillance system that allows public health staff to monitor reportable diseases submitted from healthcare providers or labs.
- ◇ **Health Alert Network (HAN)** - A web-based notification system that can contact staff and provide an automated message through various communication devices such as a cell phone, home phone, fax, and email.
- ◇ **Michigan Care Improvement Registry (MCIR)** - This is primarily a vaccination database that allows healthcare providers to track what vaccines their patients have received. This database can also be used during an emergency when data would need to be used to track medication or vaccine for a specific event.

# Communicable Diseases

	2009-10	2010-11	2011-12
Flu-like disease	11,785	5,850	8,097
Gastrointestinal	335	491	5,961
Head lice	753	691	1,333
Strep throat	529	1,012	1,145
Chlamydia	476	526	578
Hepatitis C (chronic)	157	145	141
Campylobacter	48	48	61
Chicken pox	30	34	43
Influenza	25	25	31
Gonorrhea	27	36	25

## Communicable Disease Facts:

- ◇ Chlamydia and Chronic Hepatitis C continue to be our two most common diseases. More cases of Flu-like illness are reported, but not confirmed by laboratory test.
- ◇ Campylobacter is now the most common bacterial cause of gastrointestinal illness.
- ◇ The number of Gonorrhea cases remain fairly consistent from year-to-year.
- ◇ Hepatitis C Chronic is leveling off and slowly trending downward. A concern will be the development of long-term health problems related to this disease.
- ◇ Chickenpox has declined significantly since the introduction of a vaccine. Mild cases can still occur in persons who have received the vaccine. However, cases of chicken pox can still develop when parents choose not to have their child immunized.

*Often one or two cases of a disease can cause a significant increase in the workload for our staff.*

For example, during 2012 we had two cases of active tuberculosis diagnosed in Lake County residents. TB is still with us and the investigation, follow-up, education, and supervision of these cases was on-going for many months.

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Flu-like Disease	700	348	541	550	939	1,106	292	2,149	817	655	8,097
Gastrointestinal	355	381	221	310	680	868	951	1,138	597	460	5,961
Head Lice	242	123	85	103	204	98	72	166	96	144	1,333
Strep Throat	251	62	18	52	119	37	131	275	63	137	1,145
Chlamydia	28	38	19	29	57	108	13	132	66	88	578
Hepatitis C (Chronic)	13	9	13	22	19	8	5	17	9	26	141
Campylobacter	1	0	2	16	6	9	5	11	4	7	61
Chickenpox (Varicella)	2	6	0	1	1	4	7	16	3	3	43
Influenza	18	2	0	2	1	3	1	2	0	2	31
Gonorrhea	1	0	2	1	1	9	1	7	2	1	25

# Environmental Health

## Water Supply Program

Well Permits	1,308
Type II Sanitary Surveys	186

## On-Site Sewage

Septic Permits	1,042
Septic Failures	341
Mortgage Evaluations	269
Building Permit Approvals	243
Soil Evaluations	52

## Food Safety

Fixed Food Establishment	1,812
Temporary Food Establishment Inspections	538
Food-Borne Illness Investigations	31

## Community Health and Safety

Campground Inspections	270
Swimming Pool Inspections	164
Child Care Facility Inspections	210
Complaint Investigations	294
Tanning Inspections	50

During the summer months, the health department monitors the Lake Michigan public beaches on a weekly basis. If the bacterial levels are found to be too high, the beach is closed until the levels decline. Nevertheless, this sometimes occurs at the worst times.

## Beach Closure. . .

In 2012, our second most popular beach needed to be closed to prevent disease.

Unfortunately this occurred on one of the hottest days of the year when the beach was packed with tourists and occurred on the 4<sup>th</sup> of July. Three of our staff needed to leave family events to collect additional water samples, operate the water laboratory, to post the beach closure signs, and to send out the press releases. In addition, the city administrator had to be contacted while he was in the holiday parade. Weather conditions changed that resulted in different quality of water. By July 6<sup>th</sup> the beach was re-opened.

*To keep you safe*

## Tattoo Party

*How would you like to go to a party and come home infected with something that causes pus-filled skin lesions?*

This is what happened to a group of people who attended a "tattoo party."

All five people that were tattooed developed a bacterial infection called Staphylococcus. Health Department investigators found that the person doing the tattooing didn't have a license and their equipment had not been sterilized in over two years. His tattooing activities have ended.



## Allergic Reaction at School

*Having an allergic reaction at school would be traumatizing.*



It could even be deadly if not treated immediately. When a middle school student started having eye irritation and trouble breathing, the student quickly went to the nurse who gave emergency treatment and called EMS. The student was recovering by the time EMS got there thanks to availability of the Adolescent Wellness Center and the quick actions of the nurse who helped to save the student.



*Healthy Grilling Event with WiseWoman Clients in the Fall of 2012.*



*Double Up Food Bucks provide extra fruits and vegetables for those who qualify.*



*Mesick and Manton schools worked with the Health Department to develop a comprehensive, 24/7 tobacco use policy and post signs.*

Participants in our WiseWoman program have an opportunity to receive health screenings, work with a health educator to achieve goals, and participate in educational programs.

### Worksite Wellness Screenings

335

## Preventing Diabetes . . .

The National Diabetes Prevention Program is a year-long, lifestyle change program for those at-risk for developing Diabetes. It focuses on the prevention of Diabetes through modest weight loss and increased physical activity.

Youth Programs	
Girls on the Run Participants	931
Adolescent Wellness Center Students Served	
Cadillac	445
Manton	226
Mesick	315
Students Participating in Teen Pregnancy Prevention Initiative	
Oceana	140
Wexford	315
Family Health Programs	
Family Planning Participants	2,729
Breast and Cervical Cancer Screening	1,880
Colorectal Cancer Screening	417
WiseWoman Program Screening/Counsel	1,593/ 1,487
Northern Michigan Substance Abuse Services (NMSAS) # served	
Lake	240
Mason	560
Oceana	523

## Vision Screening . . .

### *Leads to an Unexpected Medical Referral*

Arthritis is not usually associated with children; however, juvenile arthritis does exist. After not responding well to a routine vision screening, a preschooler was sent to an eye doctor for further examination. The eye doctor discovered that the child had scarring and inflammation in the eye, as well as indicators of juvenile arthritis. The child was sent to a specialist for further examination.



Thanks to the Health Department staff for a referral to a physician, this arthritis was discovered early so the child could begin treatments as soon as possible.



*Representative Bumstead receives a flu shot from our public health nurse.*

## Enrollment in the Maternal Infant Health Program



*Our staff have the help of translator services to help with enrollment for all of our programs.*

**2, 052** Total Number Served for Medicaid Application Assistance

## Immunizations . . .

### *Prevention of Whooping Cough*

*A child was diagnosed with whooping cough (Pertussis). This is a very contagious disease that causes uncontrollable, violent coughing that makes it very hard to breath.*

The public health nurse followed up with the family doctor and the family to prevent disease from spreading to other family members especially the children. The children in the family were in need of immunizations. The public health nurse worked with the **WIC Program** to coordinate visits so that the appropriate immunizations were given.

Personal Health Services	
Immunizations	
Vaccines Administered	13,642
Influenza Vaccines	9,605
Maternal Infant Health Program (MIHP)	
MIHP Maternal Clients	971
MIHP Maternal Visits	6,808
MIHP Infant Clients	834
MIHP Infant Visits	7,879
Hearing and Vision	
Preschool Hearing Screenings	4,017
School Hearing Screenings	10,569
Preschool Vision Screenings	3,841
School Vision Screenings	19,807
Communicable Disease Control	
Total Communicable Disease	476
TB Tests	2,113
STD Services	634
HIV Tests	98

# Women, Infants, and Children

# WIC

Average Monthly Enrollment	9,460
% Return Rate	92%
# of Project Fresh Books Distributed	2,568
Value of Project Fresh Coupons	\$77,040
Child Lead Screening	1,236



*Our Breastfeeding Support Peer Counselors*

## Benefits of WIC Health Screenings

*At a routine WIC health screening, a young child's blood iron level was found to be very low.*

The WIC Nurse immediately contacted the child's doctor, who ran medical tests. A disease had attacked the child's bone marrow and the child's blood volume was dangerously low, but was successfully treated with a blood transfusion at a regional Children's hospital. The mother tells everyone about WIC and the importance of "finger pokes" for blood iron.

*We are a Breastfeeding Friendly Agency!*



*DHD #10 welcomes breastfeeding babies. Every county health department has a designated room where moms can nurse their baby or employees can pump. These rooms are furnished with a rocking chair and nicely decorated.*

### WIC Highlights:

- ◇ WIC completed a very successful State WIC Management (accreditation) site visit in June. Special recognition was noted in client-centered education, breast feeding support, and counseling services provided by Registered Dietitians.
- ◇ Our local communities benefited from over \$5.7 million in WIC food sales at authorized grocery stores and pharmacies.
- ◇ WIC participation leads to higher rates of immunization for children and to an increase in the number of women who receive early and adequate prenatal care.

# 2012 County Annual Report Data

*The following charts provide information on the health of the district, county, and state.*

For more complete information, please visit our website at [www.dhd10.org](http://www.dhd10.org). Additional data are presented in chartbooks for each of the ten counties and updated annually.

## Leading Causes of Death

	DHD#10 Number of deaths	DHD#10 Death rate per 100,000	Michigan Death rate per 100,000
Cancer	686	197.8	182.9
Heart disease	610	179.9	204.2
Chronic lower respiratory	194	56.3	45.6
Stroke	152	46.0	39.5
Accidents	125	46.5	36.1
Alzheimer's disease	112	33.8	24.0
Diabetes	91	26.5	24.0
Suicide	57	22.0	12.5
Kidney disease	48	14.2	15.3
Pneumonia/Influenza	45	13.5	13.6
Source: MDCH, 2010			



# Community Health Indicators

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Michigan
Total Population, US Census, 2011 est	14,014	17,160	11,539	24,709	28,678	43,300	14,911	48,352	26,523	32,718	9,876,801
# of Births, MDCH 2010	132	175	79	199	311	421	157	545	352	431	114,717
Birth Rate per 1,000, MDCH, 2010	9.4	10.2	6.8	8.0	10.8	9.8	10.6	11.2	13.2	13.2	11.6
# of Deaths, MDCH, 2010	162	176	136	284	318	380	151	479	256	346	88,058
Death Rate per 100,000, MDCH, 2010	11.5	10.3	11.8	11.5	11.1	8.9	10.2	9.9	9.6	10.6	8.9
Cancer Mortality Age Adjusted Rate per 100,000 MDCH 2008-10	181.8	225.7	212.8	185.9	179.4	161.6	166.7	201.2	168.3	174.9	181.7
Cardiovascular Disease Mortality Age Adjusted Rate per 100,000 MDCH 2008-10	251.1	246.4	229.5	251.5	232.6	256.2	311.6	246.7	272.0	251.3	265.3
Household Income, 2007-11 (median), US Census	\$39,597	\$39,130	\$30,639	\$41,169	\$40,683	\$37,677	\$39,735	\$43,864	\$40,422	\$42,209	\$48,669
Persons below Poverty, 2011 *	17.6%	18.7%	26.9%	16.8%	18.1%	25.6%	19.0%	17.9%	20.7%	15.2%	17.5%
Medicaid Paid Births, 2010 *	70.5%	73.7%	67.1%	49.2%	54.3%	54.9%	57.3%	57.4%	73.0%	56.1%	45.3%
Teen Pregnancy Rate per 1,000, 2010 *	66.8	60.2	67.9	46.7	51.2	30.3	47.1	54.8	69.5	62.5	51.1
Smoked while Pregnant, 2010 *	45.1%	37.2%	38.5%	33.9%	27.0%	31.3%	26.7%	27.3%	22.2%	32.0%	18.0%

\*Data provided by the Michigan League for Public Policy

# Health Care Access to Services

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
<b>Maternal Infant Health Program (MIHP)</b>											
# of Maternal Clients	62	64	55	65	81	137	82	166	100	159	971
# of Maternal Visits	422	510	422	455	618	904	476	1,094	742	1,165	6,808
# of Infant Clients	56	48	36	58	81	108	81	152	63	151	834
# of Infant Visits	685	451	237	589	748	994	784	1,285	557	1,549	7,879
<b>Children's Special Health Care Service</b>											
# of Children	59	73	31	71	112	130	68	175	90	186	995
# of Services	87	84	44	68	111	113	76	265	132	284	1,264
<b>Women, Infants, and Children (WIC)</b>											
Average Monthly Enrollment	404	597	353	569	963	1,320	317	2,120	1,173	1,590	9,460
% Return Rate	92%	91%	94%	91%	93%	92%	93%	92%	94%	91%	92%
# of Project Fresh Distributed	91	141	85	130	225	309	85	862	268	372	2,568
Value of PROJECT FRESH coupons	\$2,730	\$4,230	\$2,550	\$3,900	\$6,750	\$9,270	\$2,550	\$25,860	\$8,040	\$11,160	\$77,040
Child Lead Screening	62	60	41	40	90	173	67	255	154	294	1,236
<b>Family Planning Services</b>											
# of Clients Served	149	156	37	304	570	179	189	327	321	497	2,729

# Health Care Access to Services, Con't

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
<b>WISEWOMAN Program</b>											
# Screened	106	103	92	156	203	194	84	264	137	254	1,593
# Referred	68	69	62	85	132	134	51	158	86	139	984
# Counseled	99	102	92	147	202	162	73	259	119	232	1,487
<b>Breast and Cervical Cancer Control Program (BCCCP)</b>											
# of Women Screened	103	125	101	182	241	208	100	292	241	287	1,880
# Breast Cancer Found	1	0	1	3	0	5	0	5	2	1	18
# Cervical Cancer Found	0	2	0	1	1	0	1	0	1	1	7
<b>Colorectal Cancer Screening Program</b>											
# Screened	27	26	26	46	53	60	17	47	34	81	417
# High Risk Referrals	4	1	1	11	20	10	2	9	4	7	69
# Pre-cancerous polyps/cancer	2	0	0	5	10	4	2	4	2	4	33
<b>Dental Health - services provided in partnership with Michigan Community Dental Clinics</b>											
# Clinic Clients	607	1,317	299	1,850	1,902	1,795	775	374	2,375	2,860	14,154



# Environmental Health Services

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Radon Kits Distributed	8	24	25	36	50	151	49	100	110	150	703
Soil Evaluations	2	4	1	5	5	6	2	7	11	9	52
Mortgage Evaluations	2	4	2	54	6	11	1	120	66	3	269
Building Permit Approvals	3	69	25	14	11	33	5	40	42	1	243
Complaints (all)	27	14	7	17	32	34	16	75	31	41	294
Child Care Inspections	18	25	5	19	12	37	13	32	20	29	210
Campground Inspections	36	10	30	29	23	22	17	38	36	29	270
Swimming Pool Inspections	4	4	3	20	47	25	3	8	34	16	164
Type II Sanitary Surveys	24	20	19	7	11	27	6	24	31	17	186
Tanning Inspections	8	4	3	6	6	3	1	2	6	11	50
Animal bites/exposure	48	47	41	65	67	115	53	77	67	91	671



# Essential Local Public Health Services

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
<b>Onsite Sewage</b>											
Septic Permits	48	90	99	116	94	127	45	204	138	81	1,042
Septic Failures	33	26	11	36	48	65	8	62	26	26	341
<b>Water Program</b>											
Well Permits	70	78	118	122	114	170	101	228	186	121	1,308
Well Inspections	30	57	16	37	64	26	20	47	35	18	350
<b>Food Service</b>											
Food Operation Inspections	97	91	83	143	238	290	72	312	198	288	1,812
Temp Food Booth Inspections	17	17	44	54	75	87	37	33	64	110	538
Reported Food Borne Illness	2	1	1	3	5	5	5	5	1	3	31
<b>Immunizations</b>											
Vaccines Given	1,102	806	355	1,628	2,945	1,325	690	1,226	1,677	1,888	13,642
Influenza Vaccines Given	575	893	517	1,004	1,450	988	711	1,262	1,245	960	9,605
<b>Communicable Disease</b>											
TB Skin Tests Given	82	87	57	322	385	246	137	290	200	307	2,113
TB Patients on Prophylaxis	0	1	3	10	0	1	0	8	13	3	39
Communicable Disease Services	36	37	15	63	41	69	32	77	33	73	476
<b>STD Services</b>											
STD Services	28	45	25	29	59	139	15	135	70	89	634
HIV Tests	3	5	0	13	11	10	11	13	16	16	98
<b>Hearing Screenings</b>											
Preschool Hearing Screenings	88	153	156	229	632	446	25	539	811	938	4,017
School Hearing Screenings	13	88	27	722	1,352	1,694	902	2,175	932	2,664	10,569
<b>Vision Screenings</b>											
Preschool Vision Screenings	72	150	134	221	627	387	26	615	850	759	3,841
School Vision Screenings	135	341	193	1,085	2,796	2,720	1,172	5,255	1,376	4,734	19,807

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

*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

*Mason County*

916 Diana Street  
Ludington, MI 49431  
231 845-7381

*Mecosta County*

14485 Northland Drive  
Big Rapids, MI 49307  
231 592-0130

*Missaukee County*

6180 W Sanborn, Suite #1  
Lake City, MI 49651  
231 839-7167

*Newaygo County*

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

*Oceana County*

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

*Wexford County*

521 Cobbs Street  
Cadillac, MI 49601  
231 775-9942

# 2012 Community Partners

*O-5 Parents as Teachers Grant,  
Newaygo County*

*O-5 Grant NCRESA,  
Newaygo County*

*Airway Oxygen-Cadillac*

*Cadillac Area Public Schools*

*Early on Program: Crawford*

*Early on Program: Lake*

*Early on Program: Manistee*

*Early on Program: Mason*

*Early on Program: Newaygo*

*Early on Program: Oceana*

*Fremont Area Community  
Foundation*

*Great Parents/Great Start: Lake*

*Great Parents/Great Start: Manistee*

*Great Parents/Great Start: Mason*

*Great Parents/Great Start: Newaygo*

*Great Parents/Great Start: Oceana*

*Kiwanis Club – Kalkaska*

*Lakeshore Hospital Shelby*

*Little River Band of Ottawa Indians*

*Magna Donnelly*

*Manistee County Family Advocates*

*Manton Schools*

*Mason County Community  
Foundation*

*Mason, Lake, and Oceana Westshore  
Educational Service District*

*Mecosta County Children's Council*

*Mercy Hospital Cadillac*

*Mesick Schools*

*Michigan Breastfeeding Network*

*Missaukee St. Stephens Catholic  
Church*

*Muskegon Health Project*

*Nestle*

*Newaygo County United Way*

*Northern Health Foundation*

*Oceana Intermediate School District*

*Oceana United Way*

*Office of Public Health Practice,  
University of Michigan School of  
Public Health*

*Pine River Area Schools*

*Shelby Public Schools*

*True North Community Services*

*United Way of Northwest Michigan*

*United Way of the Lakeshore*

VISIT US ONLINE AND LOOK FOR THE LINK  
TO COUNTY HEALTH DATA

[www.dhd10.org](http://www.dhd10.org)



**District Health Department #10**