



# *This is Public Health.*

Health Department of Northwest Michigan  
2018 ANNUAL REPORT

## HEALTH DEPARTMENT LEADERSHIP

### Health Officer

*Lisa Peacock, RN, MSN, WHNP-BC*

### Deputy Health Officer

*Erika Van Dam, MPH, CHES*

### Medical Director

*Dr. Joshua Meyerson, MD, MPH*

### Director of Regional Planning

*Jane Sundmacher, M.Ed.*

### Director of Administrative Services

*Mary Briscoe, CPA*

### Director of Family Health

*Amanda Thompson, MSN, RN*

### Director of Community Health

*Natalie Kasiborski, PhD, LMSW, MPH*

### Director of Home Care, Hospice & Aging Services

*Tina Lamont, RN*

### Director of Environmental Health Services

*Scott Kendzierski, REHS, MS*

## 2018 BOARD OF HEALTH MEMBERS

### Antrim County

*Melissa Zelenak*

*Karen Bary*

### Charlevoix County

*Shirley Roloff*

*Nancy Ferguson*

### Emmet County

*Jonathan Scheel*

*Betsy White*

### Otsego County

*Duane Switalski*

*Julie Powers*

# Greetings!

In the pages that follow you will find many examples of the Health Department of Northwest Michigan living out our newly revised mission. We are grateful for the leadership of our Board of Health who recognize that public health must reside within a framework of health equity to ensure ALL our residents can achieve good health. This involves a deep understanding that all people are not starting from the same place and that some may suffer more than others simply because of where they live or the environment they were born into (such as their race, gender, or socioeconomic status). Our journey has returned us to the roots of public health: a time where we recognize that health begins in the places where we live, work and play; a time where we remember that the most advanced clinical care can't help us if we don't have stable housing or access to healthy food. In the pursuit of social justice, we strive to understand why certain groups of people are surrounded by circumstances that negatively impact their health and what we can do to create an environment where everyone can flourish. It is this commitment to understanding the root causes of poor health that will help us analyze data and formulate strategies to develop healthy and resilient communities. With the leadership of our Board of Health and the work of our highly skilled team we know that Northern Michigan can be the healthiest place to live!



A handwritten signature in black ink that reads "Lisa M. Peacock".

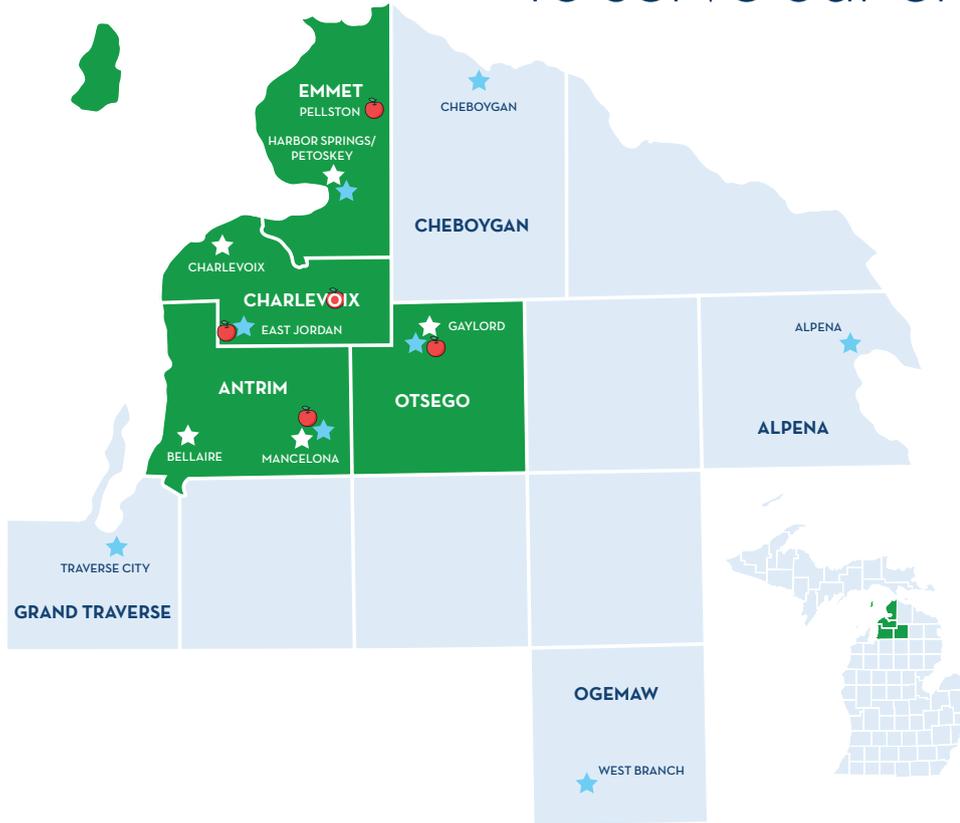
**Lisa Peacock, RN, MSN, WHNP-BC**  
Health Officer

A handwritten signature in black ink that reads "Joshua Meyerson".

**Dr. Joshua Meyerson, MD, MPH**  
Medical Director

To serve our entire *community* and  
to achieve *health equity* by  
*promoting well-being, preventing disease,*  
and *protecting the environment* through  
**PARTNERSHIPS, INNOVATION,  
AND EXCELLENCE** in  
*public health* practice.

# To serve our entire *community*



**HEALTH  
DEPARTMENT**  
*of Northwest Michigan*

**ANTRIM  
CHARLEVOIX  
EMMET  
OTSEGO**



**HEALTH DEPARTMENT  
OF NORTHWEST  
MICHIGAN LOCATIONS**



**DENTAL CLINICS  
NORTH LOCATIONS**



**SCHOOL HEALTH  
CENTER SITES**

# and to achieve *health equity*

The MiThrive project brings diverse partners together to assess community needs and collaborate for community health improvement in the 31 counties of the Northern Michigan Public Health Alliance.

**Central Question: How do we improve the health and quality of life in our communities?**



<p>Input from Organizations at <b>20</b> discussions about our Community Health System</p>	<p><b>630</b> Mini Client Interview Responses from Organizations Serving Vulnerable Populations</p>	<p><b>4</b> Forces of Change Events with <b>100</b> Participants</p>	<p><b>1,220</b> Resident Input Board Responses Collected at <b>85</b> Events</p>	<p><b>190</b> Secondary Data Indicators</p>
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## COMMUNITY HEALTH

### KIDS IN THE KITCHEN

"A 6th grade student came to class and shared a long list of foods he did not like, mostly fruits and vegetables, several of which were part of the recipe they would be creating that day. He was sure he would NOT like the recipe and most of it was due to the carrots and broccoli that were part of the recipe (English Muffin Veggie Pizzas). When it came time to tasting, he took a "friendly bite" and as he tasted it, the look of disgust and fear faded away and he said, "Wow, you can hardly taste the broccoli and the carrots are actually really good on here!" He shared a few classes later that he has made the pizza recipe at home several times since the class! Tasting is believing!"



by promoting *well-being*,

### WORKSITE WELLNESS

Nine worksites participated in the *Getting to the Heart of the Matter Worksite Wellness Program*. Armor Express in Central Lake employs 165 employees and participated in the program for two years. With input from their Safety and Wellness Committee, they worked with their HDNW Worksite Wellness Consultant to make numerous changes to support employee health in the workplace:

- A more inviting employee breakroom where employees could bring in lunches
- An increased number of healthy foods offered in their vending machines
- Ergonomic seats for employees who sit at sewing machines all day
- Onsite programs to enhance employee wellness

### DIABETES PREVENTION PROGRAM

Employees at Armor Express also participated in the National Diabetes Prevention Program over the course of 12 months. Average weight loss from 20 participants was **24.7 pounds** or an **11% reduction!**

### EMMET SCHOOL HEALTH GROUP

A group of parents in Emmet County voiced concerns over the lack of school health resources. This prompted the school, health department and hospital system to create a workgroup to evaluate potential student needs within 3 rural school districts. From this assessment, the group began to work together to address the health needs of the students.



“As a young child’s thought process evolves, they gradually grasp the finality of death. When the realization hits at the same time a loved one is lost, a grieving child can spiral into untold fear of their own mortality. My 8-year-old granddaughter’s realization surfaced three months after the loss of her beloved grandfather. A switch went off in her mind and it was frightening to witness the physical form that surfaced (panic attack). Her parents and I felt inadequate in our attempts to comfort and make her feel safe. We questioned if we were doing enough and decided to reach out to Jeanne Marriott, Hospice of Northwest Michigan, for guidance. She put us in touch with Dave Behling, Chaplain, and a family meeting was arranged. Dave helped my granddaughter identify her fears and provided her with tools, geared for her age, to help her get through the episodes. He reassured her parents and I that we were on the right path for healing. We are grateful!”



Each year Hospice of Northwest Michigan holds a butterfly release and memorial service to remember the patients and families served with an open invitation to our communities. Butterflies represent the transformation of life.

## HOME HEALTH & HOSPICE



“I will never forget sitting on my friend’s sofa when the Nurse Practitioner came to her house to tell her it was time to transition to Hospice care. We all responded with tears and hope as she faced yet another battle. As an employee of the Health Department, I knew in my heart she was going to be in the best of hands. Although, cancer took her life at a young age of 47, my dearest friend, a wonderful mother of 3 beautiful

children, a sister, and a daughter, was cared for beyond measure. The staff – my amazing co-workers – never missed a beat to help when we called, text or cried at any given situation. Amid a very heartbreaking situation, I discovered a newfound respect for what my co-workers do daily. I got to see their compassion and help first hand. I will forever be grateful for all the support they showed to all of us involved.”

# preventing disease,

**131** free *breast and cervical cancer screenings*

**564** men and women had *disease prevention screening* and health coaching

**40** home *screening tests* or *colonoscopies*



## Family Health BY THE NUMBERS

**457** FAMILIES *enrolled in Children's Special Health Care Services*

**3,842** PRE-SCHOOL/SCHOOL AGED CHILDREN *screened for hearing*; 120 referred

**9,251** PRE-SCHOOL/SCHOOL AGED CHILDREN *screened for vision*, 776 referred

**1,637** FLUORIDE VARNISHES AND ASSESSMENT *of cavities*

**10,281** VACCINES *administered*

**13,059** VACCINES DISTRIBUTED *to providers*

**873** CHILDREN SCREENED *for lead poisoning*

**584** INDIVIDUALS *received sexual health services*

**249**  
SEXUALLY  
TRANSMITTED  
INFECTION  
INVESTIGATIONS

**28**  
INVESTIGATIONS  
OF VACCINE  
PREVENTABLE  
DISEASES

**284**  
OTHER  
CONTAGIOUS  
DISEASE  
INVESTIGATIONS

*For a comprehensive five-year list of the reported Communicable Diseases within the four counties of the Health Department of Northwest Michigan, please visit the following link: [bit.ly/5yearCD](http://bit.ly/5yearCD).*

**114** NEWBORN *Home Visits*

**7,937** *home visits* through the MATERNAL INFANT HEALTH PROGRAM AND HEALTHY FAMILIES NORTHERN MICHIGAN



“We just love the way the (Baby Milestone) newsletters show up at set intervals and give us a predicted status report. We know and watch our son grow every day, but to have a professional perspective about where he should be developmentally and what we should be doing and keeping an eye out for, provides great peace of mind.” — **Anne & Brian Bates**

“As a first-time mom coming home from the hospital was intimidating. I was especially nervous about the breastfeeding journey I was about to embark on. Receiving a visit at home from a nurse, Debi, just a few days after leaving the hospital was so reassuring. She could answer all my questions, calm my nerves, and encourage me that we were doing great! Thanks to the Health Department of Northwest Michigan for offering services such as this!”

— **Mandy, First-Time Mom**

*\*The Health Department of Northwest Michigan provides a Healthy Futures newborn and breastfeeding support visit to ALL new moms free of charge!*

# and protecting the *environment*

## KEEPING OUR BEACHES SAFE!

We manage one of the largest beach monitoring programs in the state! The program encompasses weekly monitoring of over 50 area beaches in our four counties and includes the collection of over 1,600 water quality samples during the summer months. Samples are collected and analyzed for E.coli bacteria and compared against USEPA “full body contact” standards for recreational water. We are also participating in pilot studies to conduct rapid testing using new innovative laboratory testing methodologies, which have helped to develop a regulatory standard for these methods! In addition to sampling, our staff also evaluate water, wastewater, refuse handling and safety infrastructure at beaches. Our department participates in regional watershed and beach program planning groups in Northern Michigan and works regularly with local lake associations on water quality issues. The protection of our surface water resources and the safety of our communities and visitors are ongoing objectives of our Department’s Environmental Health Division.

**51**

BEACHES  
MONITORED

**1,600**

SAMPLES COLLECTED &  
ANALYZED

**11**

PUBLIC HEALTH  
ADVISORIES

# through **PARTNERSHIPS,**

## COMMUNITY CONNECTIONS

The Community Connections team is specially trained and very skilled at connecting people to resources that help with needs like transportation, utilities, housing and home supplies or repairs, food assistance, employment, access to care, etc. The staff remains connected to the client until the need has been confirmed as met in most cases. Referrals for Community Connections can be made for anyone in the community, regardless of age or income. They do not have to be a current client.

**1,640**  
REFERRALS IN COMMUNITY CONNECTIONS

**2,550**  
PATHWAYS OPENED



**COMMUNITY**  
*connections*

A mom reaches out to us before school starts because **HER SON HAS BROKEN HIS GLASSES AND SHE IS UNABLE TO PAY FOR A NEW PAIR.**

A COMMUNITY CONNECTIONS WORKER

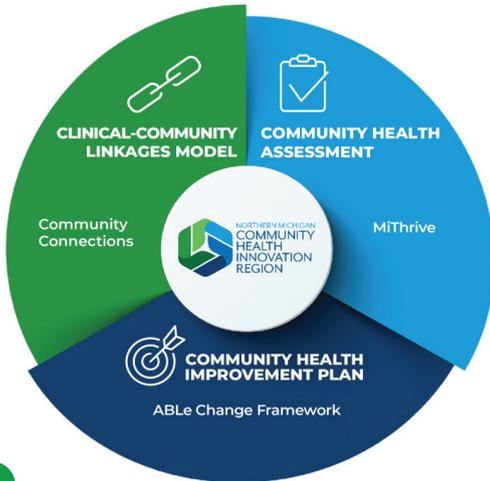
CONNECTS WITH THE LIONS CLUB PETOSKEY WHO RE-DIRECTS TO

LIONS CLUB MACKINAW CITY + CHEBOYGAN WALMART WHO PROVIDE FUNDING FOR

**NEW, MORE DURABLE GLASSES TO HELP THE CHILD IN SCHOOL!**

## WHAT IS A CHIR?

A Community Health Innovation Region (CHIR) is a unique model for improving the wellbeing of a region and reducing unnecessary medical costs through collaboration and systems change. The CHIR model creates a neutral space for partners to unite around a common vision, aligning their objectives and services to meet the needs of the community.



# INNOVATION,

## NORTHERN MICHIGAN CHIR STATISTICS

- **10 Counties** (Antrim, Benzie, Charlevoix, Emmet, Grand Traverse, Kalkaska, Leelanau, Manistee, Missaukee, and Wexford)
- Over **100 diverse organizations** engaged, including health care providers, insurers, community organizations, and local government agencies
- **3 components:** Community Connections HUBs, MiThrive community health assessment and community health improvement planning
- **20,000+ residents screened** for basic needs with 3,000+ referred to Community Connections HUBs
- Distributed nearly **\$40,000 in mini-grants** to address top 4 priorities: affordable accessible healthy food; affordable safe housing; creative accessible transit options; and opportunities for active living

## SCHOOL-BASED ORAL HEALTH PROGRAM

Tooth decay is the most common chronic disease among children and can impact a child's overall health, school performance, and family life.

**We can prevent tooth decay among children before it starts with oral health screenings and a connection to a dental home.**

- Screened **4,619 children** at **21 schools** around the Dental Clinics North region for gum disease, suspected areas of dental decay, previous dental disease or problems and the need for dental sealants.
- 16%, or **745 children**, were referred to and assisted with establishing a dental home to treat suspected areas of decay.

Dental sealants are a low cost, evidence-based strategy to prevent tooth decay and protect children against cavities. Despite the effectiveness of dental sealants, we have found that 55% of school-age children screened through our program could benefit from having dental sealants.

# and **EXCELLENCE** in *public health.*

## Clients Served in 2018

ALPENA	2,678
CHEBOYGAN	2,670
EAST JORDAN	2,400
GAYLORD	3,975
MANCELONA	2,695
PETOSKEY/HARBOR SPRINGS	2,867
TRAVERSE CITY	6,663
WEST BRANCH	3,840
HOSPITAL PROGRAM	145
<b>Total</b>	<b>27,933</b>



*Thank you to Delta Dental Foundation for supporting the cost of our new dental van for our school-based oral health programs!*

## MAJOR CHANGE IN OPERATIONS & MISSION FOR DENTAL CLINICS NORTH

In 2018, the Health Department of Northwest Michigan, who founded Dental Clinics North, reestablished operational oversight in partnership with a non-profit dental service organization called Dental Clinics North. We are proud of this partnership and look forward to a bright future together focused on the Dental Clinics North mission: *To promote optimal oral health and well-being of Northern Michigan communities through partnerships, innovation, and excellence in dental public health.*

## Clients Served in 2018 in HDNW Jurisdiction

COUNTY	UNIQUE CLIENTS	TOTAL OFFICE VISITS	CLIENTS RECEIVING ASSISTANCE THROUGH THE NORTHERN DENTAL PLAN AND THE DENTAL ASSISTANCE FUND
ANTRIM	2,323	5,397	322
CHARLEVOIX	2,269	5,345	347
EMMET	2,830	6,552	472
OTSEGO	2,739	6,086	260
<b>Total</b>	<b>10,161</b>	<b>23,380</b>	<b>1,401</b>

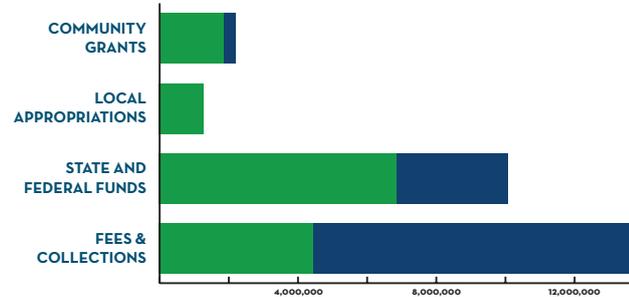
GRANTS AND COMMUNITY SUPPORT 2018

- Antrim Co High Tea
- Association of Food & Drug Officials
- Bellaire Lioness Club
- Blue Cross Blue Shield Foundation
- Center for Sharing Public Health Services
- Char-Em United Way
- Charlevoix Co Community Foundation
- David & Linda Wiseley Frey Foundation
- Gaylord Country Club
- Grand Traverse Regional Community Foundation
- March of Dimes
- Metro Health Hospital
- McLaren Northern Michigan Hospital
- Michigan Department of Health & Human Services
- Michigan Department of Agriculture & Rural Development
- Michigan Department of Environmental Quality
- Michigan Fitness Foundation
- Michigan Health Endowment Fund
- Michigan Public Health Institute
- Munson Medical Center Northern Health Foundation
- Northern Health Plan
- Northern Michigan Regional Entity
- Otsego Co Community Foundation
- Pellston Public Schools
- Petoskey-Harbor Springs Area Comm Foundation
- Public Schools of Petoskey
- Possibilities for Change
- Robert Wood Johnson Foundation
- Rotary Charities of Traverse City
- State of Michigan's Perinatal and Mood Disorder Coalition
- Substance Abuse and Mental Health Services Admin
- Tee It Up Fore Cancer
- The Christ Child Society of Northern MI
- Ward & Eis Gallery
- Wexford Missaukee Intermediate School District

# Health Department of

## Statement of Revenues, Expenditures and Changes in Fund Balance

### REVENUE BY FUNDING SOURCE



	■ HDNW	■ Dental
<b>Community Grants:</b>	<b>\$1,991,974</b>	<b>\$12,875</b>
<b>Local Appropriations:</b>	<b>\$1,030,783</b>	<b>\$0</b>
<b>State &amp; Federal Funds:</b>	<b>\$6,803,455</b>	<b>\$2,477,431</b>
<b>Fees &amp; Collections:</b>	<b>\$4,445,809</b>	<b>\$9,867,903</b>
<b>TOTAL:</b>	<b>\$14,272,022</b>	<b>\$12,358,209</b>

**TOTAL \$26,630,231**

In 2018, due to several concurrent factors and the desire to support its long-term strategic direction, HDNW incurred expenses in excess of revenue by \$1,700,199. This necessitated the use of fund balance resources, of which approximately \$267,000 was originally budgeted and approved by the Board of Health for technology and facility improvements. Additional extraordinary expenses were incurred throughout the year, also with Board of Health input and approval. These were mainly related to major organizational transitions and declining revenue in one division and were incorporated through approved budget amendments by the Board of Health.

# Northwest Michigan

	HDNW	Dental	Total
<b>Expenditures</b>			
Personnel Services	\$10,586,460	\$720,153	\$11,306,613
Supplies	1,183,524	1,258,761	2,442,285
Contractual & Professional Services	1,952,403	9,258,860	11,211,263
Communications	128,134	91,825	219,959
Travel	417,070	44,779	461,849
Space Costs	508,542	612,742	1,121,284
Other Expenses	189,123	1,169,137	1,358,260
Equipment	29,339	179,577	208,916
<b>Total Expenditures</b>	<b>\$14,994,596</b>	<b>\$13,335,834</b>	<b>\$28,330,430</b>
<b>Net Fund Balance Change</b>	<b>\$(722,575)</b>	<b>\$(977,625)</b>	<b>\$(1,700,199)</b>
Beginning Fund Balance	3,458,690	3,244,856	<b>6,703,546</b>
Adjustments**	134,916	(134,916)	
Ending Fund Balance	\$2,871,031	\$2,132,315	<b>\$5,003,347</b>

\*\* Adjustments in the fund balance were \$134,916; \$126,131 related to MyInsight expenses covered by prior Meaningful Use revenue in the dental fund balance and \$8,785 in expenses in the Seal Michigan program being covered by prior year surplus in dental fund balance.

## REVENUE BY DIVISION



## EXPENSES BY DIVISION



## DENTAL CLINICS NORTH COMMUNITY PARTNERS 2018

- |  |                                  |  |
|--|----------------------------------|--|
| American Legion Auxillary              | East Jordan Family Health Center | Michigan Rehabilitation Northern Health Foundation |
| Benzie County COA                      | Emmet County Senior Grant        | Petoskey-Harbor Springs Area Community Foundation  |
| Char-Em United Way                     | Father Fred Head Start           | Salvation Army Smiles on Wheels                    |
| Charlevoix County Community Foundation | Leelanau County Senior Services  | Veterans Affairs                                   |
| Commission On Aging Grand Traverse     | Michigan Health Council          |  |
| David & Linda Wiseley                  |                                  |  |



**HEALTH  
DEPARTMENT**  
*of Northwest Michigan*

**800.432.4121**  
[www.nwhealth.org](http://www.nwhealth.org)