LOCAL PUBLIC HEALTH

The invisible force upholding and protecting the most basic elements of life many people take for granted.

8 Mandated Essential Public Health Services



FOOD PROTECTION



PRIVATE GROUNDWATER PUBLIC WATER SUPPLY















THESE THINGS DON'T JUST HAPPEN...

This is public health at work, invisible, in the background.



Kids no longer die of polio or diphtheria thanks to vaccines



Death due to lung cancer and heart disease is dramatically reduced



Foodborne illness due to contaminated food and water has greatly declined



Work-related deaths and occupational injuries have significantly decreased



Air quality in Michigan restaurants & bars has greatly improved

BUT CHRONIC UNDERFUNDING THREATENS US

Michigan cannot afford to underinvest in public health infrastructure.



Lead and PFAS in our water supply is depleting funds and exhausting resources



Hepatitis A is spreading across Michigan with the largest outbreak in the U.S.



Measles, a once eradicated. is on the rise in Michigan



Vapor intrusion is threatening thousands of Michigan residents



The opioid epidemic is raging across Michigan with thousands of deaths occurring each year

HELP US PROTECT MICHIGAN

restaurants without risk, swim in our beautiful lakes without worry, be safe on the job, and have toxin-free homes. Protect your state by funding public health.



















A partnership of seven local health departments dedicated to increasing capacity, maximizing assets. and containing costs to improve public health





Central Michigan District Health Department Promotino Healthy Families, Healthy Communities











www.nmhealthalliance.org

What's the RETURN ON INVESTMENT

for Local Public Health?

Take a look at how **Essential Public Health Services** across Michigan consistently save money for patients, the healthcare system, and the government

FOR EVERY \$1 INVESTED, WE SAVE:



FLU O

\$1

\$11.00

STD SCREENING 夢

\$2.50

INFECTIOUS DISEASE SURVEILLANCE \$2.00

HEARING SCREENING

9

\$112.00

VISION SCREENING

0

\$162.00

Michigan Association for Local Public Health (MALPH) "Return on Investment Analysis: Local Public Health Funding", 2013 FLUORIDATED

\$40.00

SUBSTANCE ABUSE

\$7.00

CHILD SAFETY SEAT

W \$

\$42.00

FOOD & NUTRITION EDUCATION

\$10.00

TOBACCO CESSATION PROGRAMS

\$1.26

WORKPLACE SAFETY PROGRAMS

▲ \$6.00

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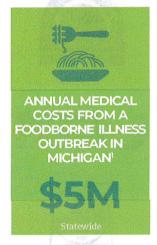




Central Michigan District Health Department Promoting Healthy Families, Healthy Communities

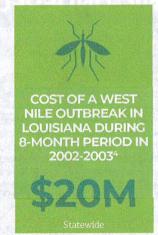


ESTIMATED COSTS WITHOUT PUBLIC HEALTH:

















For the past 34 years,

Michigan law has required the state to fund 50% of the cost for all 8 mandated Essential Local Public Health Services.

For the past 20 years,

the state has not funded local health departments at the statutorily required level, forcing them to scramble for funds through extra fees and unsustainable grants.



EMERGING PUBLIC HEALTH ISSUES

Protecting and improving the health of people and communities is an ever-evolving endeavor. The public health issues we faced in the past were different from the issues we see today; and today's issues will be different than in the future. Below is a look at some of the emerging public health issues we are facing within the 31-county region of the Northern Michigan Public Health Alliance.

Marijuana

THE ISSUE



Recreational marijuana use is now legal in Michigan

PUBLIC HEALTH CONCERNS IMPACTS ON YOUTH

38%

of high school students report using marijuana 1 in 6

Teens can become addicted with repeated use

The **developing teen bain** can have permanent negative impacts from use

IMPACTS ON PREGNANCY

1 in 20

women in the United States report using marijuana while pregnant

Chemicals in marijuana can pass to baby

in utero or through breast milk and impact development coc An exposed child

may experience decreased growth, impaired cognitive function, decreased academic ability, or increased depression

Substance Misuse

THE ISSUE



Addiction and death from substance misuse continues to escalate

PUBLIC HEALTH CONCERNS

DRUGS/OPIOIDS

2,686 deaths

from drug overdoses in Michigan MDHHS, March 2019 **2,053** deaths

from opioids in Michigan MDHHS, March 2019 Up 13.8%

compared to 2016 rates MDHHS, March 2019

1 in 5

12th grade students in the US vaped nicotine in the last 30 days U of M, Dec. 2018

VAPING 28.5%

12th graders in Michigan said they currently use vaping products MI Youth BRFS, 2015

23%

9-12th graders in Michigan said they currently use vaping products MI Youth BRFS, 2015

PFAS

THE ISSUE



PFAS, a large group of manmade chemicals, is now present in drinking water

PUBLIC HEALTH CONCERNS

Safe drinking water is critical for health, and PFAS in drinking water is a new health concern that requires increased resources.

46 sites

under investigation in Michigan Through Mar 2019, MPART

16 sites

are within NMPHA 31-county region Through Mar 2019, MPART

62 locations

will be quarterly tested, including schools, daycares, and community water supplies in Michigan Through Mar 2019, MPART

21 locations

are within NMPHA 31-county region Through Mar 2019, MPART

Vaccine-Preventable Diseases

THE ISSUE



Vaccination rates are falling

PUBLIC HEALTH CONCERNS

We continue to see illnesses and outbreaks of vaccine-preventable diseases each year. The World Health Organization lists Vaccine Hesitancy as one of the top 10 global health threats of 2019.

917 cases

Hepatitis A Outbreak in Michigan Through Mar 2019, MDHHS Through Apr 1, 2019, MDHHS

30 cases

Measles Outbreak in Michigan

879 cases

Flu Virus in Michigan 2017-18, MDHHS

Social Determinants Of Health

THE ISSUE



Access to healthy resources in rural communities is a struggle

PUBLIC HEALTH CONCERNS

Residents living in the 10-county Northern Michigan Community Health Innovation Region expressed specific needs for healthy resources:

2,110 Need

employment : healthy food : housing

1.720 Need help

740

Need

Need

1,137 Need insurance

2,164 Need education

978 Need

transportation: with utilities

497 Need

1.026 Have poor supplies : mental health :

3,932 Have poor physical health

Community Connections HUB data for 2018

WHAT WE NEED...

New threats to our communities' health are emerging all the time. We need more investment in public health capacity and local public health infrastructure to be able to respond to these issues and whatever new threat is around the corner. Flexible funding is critical both to prevent these issues and to allow a quick and effective response to new threats we can't predict.

Day at the Capitol: Talking Points

- 1. Public health is charged with protecting the most basic elements of life.
 - a. Examples: Food, air, water, pregnancy & birth, sanitation, infectious disease control
- We are the invisible force upholding the daily life you take for granted.These things are public health at work, invisible, in the background.
 - a. Infographic: Success examples
 - i. Polio & diphtheria eliminated from US
 - ii. Drop in lung cancer deaths
 - iii. Drop in food/water-borne illness
 - iv. Safer workplaces, fewer injuries
 - v. Better indoor air quality
- 3. Chronic underfunding of public health in Michigan has serious consequences.
 - a. Infographic: Consequences of underfunding examples
 - i. Lead & PFAS
 - ii. Hep A
 - iii. Measles coming back
 - iv. Vapor intrusion
 - v. Opioid epidemic
- 4. Michigan cannot afford to underinvest in public health infrastructure. No other investment will get the same returns as public health, in terms of both money and lives saved.
 - a. State budget savings
 - i. If Michigan invested \$10 per person in strategic community-based disease prevention programs, we would see net savings of over \$545 million within 5 years, including nearly \$23 million in net savings from Michigan's Medicaid expenses.
 - b. Vaccines
 - i. Childhood immunizations: for every \$1 invested, save \$22
 - c. Workplace safety
 - i. Every \$1 invested in an effective workplace safety program may save \$4 to \$6 in avoided illnesses, injuries, and fatalities.
 - d. Chronic disease prevention
 - i. Every \$1 invested in biking and walking opportunities like the Building Healthy Communities grant can return benefits up to \$11.80
 - e. Car safety
 - i. Every \$1 invested in a child safety seat has a \$42 return in avoided medical costs.
- 5. We need your help to protect the state. We need you to be on our team, a strong voice for investing in public health.



Day at the Capitol 2018: Framework/ "Elevator Speech"



Public health is charged with protecting the most basic elements of life. We protect your access to clean air and water. We protect safe birth and we protect dignity in death. We protect you while you are at work or school and we protect you while you are relaxing at restaurants, beaches, or campgrounds. We are the invisible force upholding the daily life you take for granted.

These everyday things are not inevitable; they don't *just happen*. It is not a coincidence that there are fewer deaths from car crashes now than ever before, or that workers can feel safe on the job. It's not by chance that kids no longer die of polio or diphtheria, or that lung cancer rates have plummeted. It is not inevitable that the air inside your home is safe to breathe, not luck that food poisoning in restaurants is rare. These things are public health at work, invisible, in the background.

It also isn't by chance that some cities have safe water, while in others kids get lead poisoning from drinking out of the tap. It's not coincidence that Michigan mothers are more likely to die from pregnancy than mothers in Thailand or Latvia. It's not just misfortune that Hepatitis A has spread more quickly in some communities than others, infecting over 800 Michigan residents so far. It's not just bad luck that syphilis rates are rising for the first time in decades, or that Michigan kids are now in danger of dying from measles – a disease once eradicated from this country. These things are the consequences of chronic underfunding of public health in Michigan. They happen when we devalue public health and take our progress for granted.

Michigan cannot afford to underinvest in public health infrastructure. Our economy depends on people taking for granted that they can eat in our restaurants without risk, that they can swim in our beautiful lakes without worry, and that workers will be safe on the job. Our families depend on assurance that they can find healthy food in their neighborhoods, that pregnancy won't be life-threatening, that kids have safe places to play, and that sitting in their homes they won't be breathing toxic vapors seeping up from the ground. Our state budget depends on the work of public health to prevent the chronic diseases currently driving up the cost of Medicaid. No other investment will get the same returns as public health, in terms of both money and lives saved.

We need your help to protect the state. We need you to be part of the essential work that lets people take the basic elements of their daily lives for granted. We need you to be in on the secret that Public Health is responsible for protecting Michigan families from threats they never knew existed. We need you to be on our team, a strong voice for investing public health.



How County Appropriations work for the residents of Benzie and Leelanau Counties.

Local dollars working in Environmental Health:

Ideally permit fees and State cost sharing should cover costs in the food, well and septic programs. Permits fees are also used to help cover the costs in the land evaluations and point of sale inspections. As an Agency we try very hard to limit the amount of local dollars going in to those programs. Other Environmental Health programs that use local dollars to benefit the community include:

- Type II—Non-Community Water Supplies
- Safe Beach Monitoring
- Indoor Air and Water Contamination Education and Investigation
- Nuisance Complaint Activity
- Vector-Borne Diseases and Rabies

Local dollars working in Personal Health:

Approximately 70% of local dollars used in Personal Health programs are used in areas that have a matched State and/or Federal funding. These include programs like:

- · Children's Special Health Care Services
- Medicaid Outreach & Advocacy
- Maternal and Infant Health Programs (MIHP)
- Immunizations
- Family Planning Services
- Healthy Futures
- Parenting Communities
- MomPower
- Community Connections
- Vision and Hearing

Other Personal Health programs supported by local dollars include:

- Communicable Disease and Infection Control; includes TB, STD and HIV testing and education
- WIC
- Health Promotion/Education
- Tobacco Cessation
- Breast and Cervical Cancer Control
- Wise Choices



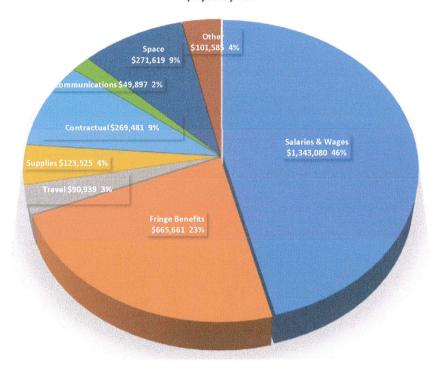
How County Appropriations work for the residents of Benzie and Leelanau Counties.

Ways the Health Department is fiscally responsible with local county appropriations:

- Contract with other community agencies for services; health officer, medical director, nurse practitioner
- Collaborate with other health departments and community agencies to secure grant funding; FY 2019 has secured approximately \$347,165 and still growing
- Increased private insurance billing with insurance carriers to generate more revenue
- Maximize funds received through local and private sources through access to Medicaid match funding mechanisms.
- Look at employee benefit options and ways we can streamline costs. January 1st, switched to a health savings account plan saving the Agency money with little impact to employees.
- Health Department employees pay anywhere from 15 to 25% of their health insurance premium
- Invested in technology improvements to help make the Agency more efficient
- Regularly monitor performance metrics, staffing allocation and budgets and make changes as needed
- Group purchasing when available for clinic supplies
- Local Appropriations only constitute 19% of 2019 budget:
 Benzie County Appropriations = 8% of budget
 Leelanau County Appropriations = 11% of budget
- Approximately 70% of local dollars used in Personal Health programs are used in areas that have a matched State and/or Federal funding. Fiscal Year 2019 budget estimates that figure to be around \$409,029. Revenue that would be lost without local funding.

Benzie-Leelanau District Health Department FY 2019 Budget Breakdown

Expenses \$2,915,787



Revenue \$2,915,787

