

COMING TOGETHER FOR ACTION



ANNUAL REPORT
2021



***District Health
Department #10***
Healthy People, Healthy Communities

A MESSAGE TO YOU

On behalf of District Health Department #10, we are pleased to share with you our 2021 Annual Report.

The theme for our report is “Coming Together for Action” and highlights our work over the past year to keep our communities safe and healthy. While many of our efforts continued to be directed towards addressing COVID-19 within the jurisdiction, other public health issues did not stop. We continued our work on many fronts, including Community Health Needs Assessment Processes, food safety issues, well and septic issues, drinking water issues and other communicable diseases, as well as workforce issues. This all combined to present a unique set of challenges leadership and staff navigated to complete our work.

Moving forward in 2022, our hope is that we can return to some degree of normalcy in our communities and in our public health work as we continue to focus on keeping the residents of our jurisdiction safe and healthy regardless of the obstacles we may face.

To your health!



KEVIN HUGHES, MA
HEALTH OFFICER



JENNIFER MORSE, MD, MPH, FAAFP
MEDICAL DIRECTOR

OUR LEADERSHIP

Health Officer

Kevin Hughes, MA

Medical Director

Jennifer Morse, MD, MPH, FAAFP

Deputy Health Officer

Sarah Oleniczak, MPH, MCHES®

Administrative Services Director

Christine Lopez, MBA

Community Health Director

Christy Rivette, MS, CHES®

Environmental Health Director

Michael Kramer, MPH, REHS

Family Health WIC Director

Anne Bianchi, MS, RD

Family Health Clinical Director

Lisa Morrill, MSN, RN

Family Health Home Visiting Director

Anne Young, MA, BSN, RN

BOARD OF HEALTH

Crawford	Phil Lewis
Kalkaska	Shelly Pinkelman
	Robert Baldwin
Lake	James Sweet
	Betty Dermeyer
Manistee	Dawn Martin
	Pauline Jaquish
	Richard Schmidt
	Vice Chair
Mason	Ron Bacon
	Nick Krieger
Mecosta	Tom O'Neil
	Ray Steinke
	Finance Committee
Missaukee	Roger Ouwinga
	Hubert Zuiderveen
	Personnel Committee
Newaygo	Bryan Kolk
	Jim Maie
	Chair
Oceana	Paul Erickson
	Martha Meyette
Wexford	Judy Nichols
	Secretary
	Gary Taylor

MISSION

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

VISION

Healthy People,
Healthy Communities

VALUES

Integrity
Responsibility
Accountability
Customer Service
Positive Attitude
Communication



**District Health
Department #10**
Healthy People, Healthy Communities

COUNTIES
SERVED

10

SQUARE
MILES

5,796

POPULATION
SERVED

266,442

EMPLOYEES

239

NEW

62

FULL TIME

176

PART TIME

34

TEMPORARY

29

6 FUNCTIONS OF PUBLIC HEALTH GOVERNANCE

1

POLICY DEVELOPMENT

Lead and contribute to the development of policies that protect, promote, and improve public health while ensuring the agency remains consistent with the laws and rules to which it is subject.

2

RESOURCE STEWARDSHIP

Assure the availability of adequate resources (legal, financial, human, technological, and material) to perform essential public health services.

3

LEGAL AUTHORITY

Exercise legal authority as applicable by law and understand the roles, responsibilities, obligations, and functions of the governing body, health officer, and agency staff.

4

PARTNER ENGAGEMENT

Build and strengthen community partnerships through education and engagement to ensure the collaboration of all relevant stakeholders in promoting and protecting the community's health.

5

CONTINUOUS IMPROVEMENT

Routinely evaluate, monitor, and set measurable outcomes for improving community health status and the public health agency's/governing body's own ability to meet its responsibilities.

6

OVERSIGHT

Assume ultimate responsibility for public health performance in the community by providing necessary leadership and guidance in order to support the public health agency in achieving measurable outcomes.

8 MANDATED ESSENTIAL PUBLIC HEALTH SERVICES



**FOOD
PROTECTION**



**PRIVATE GROUNDWATER
PUBLIC WATER SUPPLY**



**ON-SITE SEWAGE
DISPOSAL**



**INFECTIOUS DISEASE
CONTROL**



**VISION
SERVICES**



**HEARING
SCREENING**



IMMUNIZATIONS



**STD CONTROL &
PREVENTION**



COVID-19 PANDEMIC YEAR IN REVIEW

COVID-19 continued through 2021, ebbing and flowing through numerous surges, significant outbreaks, and public frustrations around constant changes in prevention recommendations specific to masking, isolation and quarantine guidance. Yet Public Health continued its work—7 days a week—to mitigate the impact of the pandemic, including timely case investigation, outbreak management, and community education.

The arrival of the COVID-19 vaccines at the end of 2020 provided a season of hope for a path to the other side of the pandemic. DHD#10 received its first shipment of vaccine the week of Christmas and immediately initiated vaccination of long-term care facilities that week, along with our first responder partners, including emergency management, law enforcement and public safety officers.

While the DHD#10 offices were closed for the holidays between

Christmas and New Year's, our local health department staff worked tirelessly to host clinics in every county for our public safety partners, including emergency management, first responders and law enforcement.

In January 2021, our efforts shifted to the new challenge of getting the vaccine out to priority populations, including health care providers and high-risk populations such as the elderly and immunocompromised.

Public Health worked tirelessly to set up mass clinics, vaccinating approximately 300 to 500+ individuals a day and running clinics from 2 days to 6 days a week, depending on the vaccine supply. Staff stress was high due to our commitment to assure that our team did not waste a single dose of vaccine. Our scheduling team worked with amazing community partners, including our local senior centers and human service agencies, to help schedule an enormous number of seniors on waiting lists.



COMING TOGETHER FOR ACTION

In the first few weeks of January alone, 1,000+ individuals were vaccinated across the 10-county jurisdiction! Implementing vaccine clinics was an “all hands on deck” effort to organize, schedule, staff, set up, and run these clinics both within the agency and at offsite locations. This was only possible through great partnerships with our local health care and community agency partners, along with the significant community volunteers that helped assure our success. DHD#10 was fortunate to also collaborate with the National Guard to support our mass clinics at off-site clinic locations. Our streamlined focus on vaccinating our communities continued to be a priority through May 2021 before the demand for vaccines slowed and there was an ample supply of partner organizations providing vaccines, allowing the public health clinic load to be reduced.

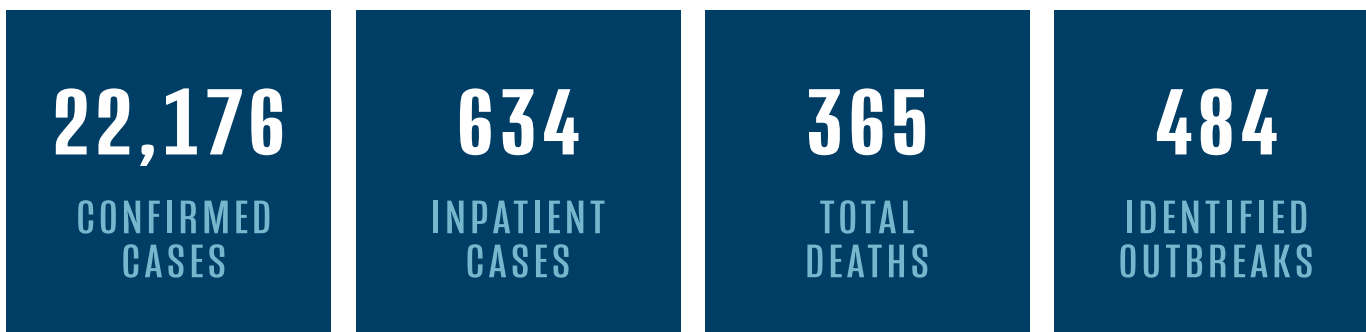
As the commitment to vaccinating our communities continued, efforts to perform COVID-19 case investigation and provide guidance for isolation and quarantine was also the priority for a core group of DHD#10 staff working to reduce transmission. With significant case numbers and high community transmission rates, DHD#10 shifted the priority for case investigation mid-year to focus on youth and individuals 65 years and older. By late summer, we launched an electronic notification system to reach more cases with isolation and quarantine guidance than could be reached by calling alone. Surveys were sent out to all cases on a daily basis linking new cases to current education on isolation.

DHD#10 was awarded funding in August to hire 11 Health Resource Advocates to support prioritizing the school-age population through case investigation, school COVID testing, and providing isolation/quarantine guidance for parents and schools. In addition, by fall, DHD#10 was awarded a partnership agreement through the Michigan Department of Health and Human Services with the CDC Foundation to host a dozen remote staff in order to support case investigation efforts. These two projects merged to launch a new COVID Response Team, allowing the majority of DHD#10 staff to return to their normal work.

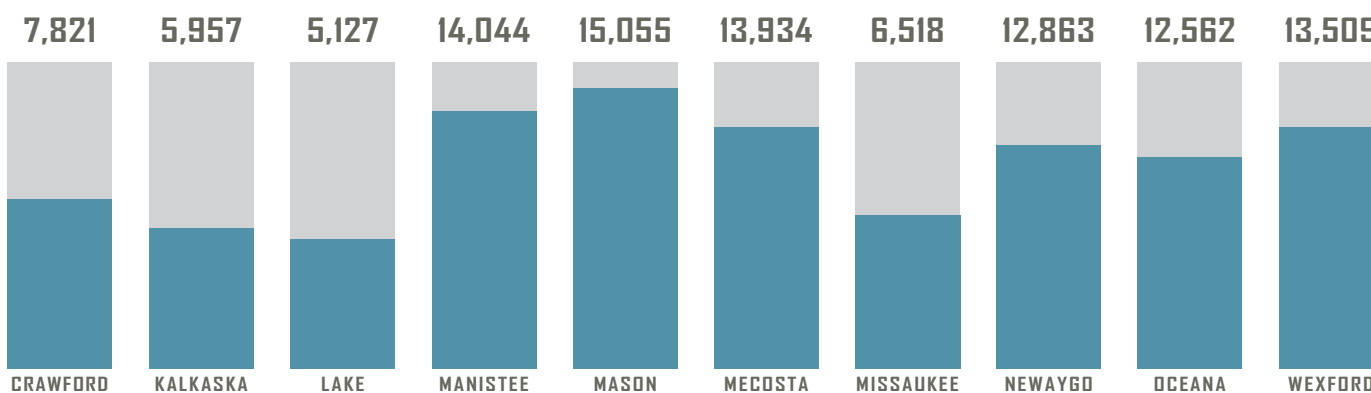
Testing for COVID-19 became an important effort as many schools and businesses required negative tests in order to be present. DHD#10 established testing sites in many of our counties to improve the accessibility of getting testing. HONU Management Group performed all testing and provided results to individuals.



COVID-19 DATA: OCTOBER 2020 - SEPTEMBER 2021



COVID-19 VACCINE DOSES GIVEN: DECEMBER 2020 - SEPTEMBER 2021 = 107,390



% INITIATED VACCINATION BY AGE & COUNTY THROUGH SEPTEMBER 30, 2021

COUNTY	12-15	16-19	20-29	30-39	40-49	50-64	65-74	75+	ALL AGES
Crawford	35.0%	42.2%	35.2%	46.4%	49.9%	61.4%	76.5%	73.5%	53.6%
Kalkaska	21.1%	34.4%	30.4%	34.8%	43.5%	60.3%	79.1%	85.9%	48.0%
Lake	18.2%	20.9%	37.0%	74.0%	76.9%	64.4%	65.8%	64.9%	57.2%
Manistee	33.7%	50.1%	35.8%	49.6%	53.3%	71.2%	86.5%	83.3%	59.6%
Mason	38.8%	52.6%	45.3%	54.0%	63.2%	69.7%	89.3%	84.0%	60.9%
Mecosta	22.6%	18.4%	25.2%	37.7%	44.7%	55.9%	76.1%	76.9%	42.1%
Missaukee	16.7%	30.0%	28.9%	40.6%	46.2%	61.6%	82.7%	80.7%	48.3%
Newaygo	20.7%	31.7%	31.7%	38.2%	42.0%	56.3%	74.4%	78.1%	45.3%
Oceana	28.6%	44.0%	44.7%	46.1%	55.3%	65.9%	84.7%	78.1%	54.2%
Wexford	27.1%	44.0%	36.0%	46.4%	52.6%	64.6%	82.8%	84.0%	52.1%
DHD#10	26.8%	35.7%	36.9%	48.1%	55.1%	65.7%	82.0%	81.1%	53.5%

Source: https://www.michigan.gov/coronavirus/0,9753,7-406-98178_103214-547150--,00.html

COMING TOGETHER FOR A THRIVING COMMUNITY

DHD#10 helped lead the 2021 MiThrive Community Health Assessment in partnership with the Northern Michigan Public Health Alliance, Community Health Innovation Regions of Northern Michigan, hospital systems, and cross-sector community-based organizations across the 31 counties of Northern Lower Michigan. The MiThrive assessment is a collaborative process for collecting and analyzing community data using the Mobilizing for Action through Planning and Partnerships Framework. Thousands of community partners and residents participated in the assessment and are engaged in co-creating and implementing strategies to address the region's top identified priorities. Access the 2021 MiThrive data here: <https://northernmichiganhcr.org/mithrive/>.



Currently, there are three regional CHIRS that DHD#10 is a part of, each with prioritized focus areas:

- **Northwest Region:** Housing, mental health/substance use, access to health care, chronic disease;
- **North Central Region:** Mental health, access to health care, chronic disease, and economic security
- **Northeast Region:** Substance use, mental health, access to health care, chronic disease

MiThrive data collected in 31-county region



DIVISION HIGHLIGHTS

A look back at the accomplishments of each DHD#10 division throughout 2021.

FAMILY
HEALTH SERVICES

ENVIRONMENTAL
HEALTH SERVICES

COMMUNITY
HEALTH SERVICES

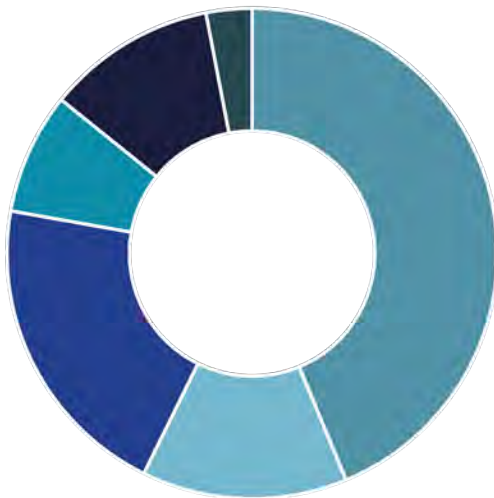
ADMINISTRATIVE
SERVICES





BELOW IS A SNAPSHOT OF DHD#10
ADMINISTRATIVE SERVICES FOR 2021

ADMINISTRATIVE SERVICES



REVENUES = \$21,970,070

43.74%	State/Federal Funding
13.54%	County Appropriations & Space
20.51%	Billing Income/Fees
8.01%	Essential Local Public Health Services
11.10%	Other Grants/Contracts
3.02%	MCDC/Other Services



EXPENDITURES = \$21,149,658

50.80%	Wages
22.99%	Fringes
1.69%	Travel
5.85%	Supplies
2.90%	Contractual
1.65%	Communications
1.67%	Capital Outlay
6.15%	Space
3.14%	MCDC/Other Services
3.17%	Other: Maintenance, Education/Training, Liability Insurance, Printing/Publishing

Administrative

- Increased staffing, including
 - Clerical support lead positions
 - Clerical staff positions
 - Accounting positions
 - Purchasing position

Information Technology

- Updated main servers in Big Rapids
- Added more staff for remote work
- Launched TigerConnect for COVID-19 contact tracing
- Overhauled existing/old laptops to new laptops for staff
- Handled 5,709 help tickets - average of 110 tickets per week

Human Resources

- Added new human resources staff
- Navigated through MDHHS, CDC, and OSHA COVID-19 requirements for masking, vaccine, and recording illnesses
- Switched benefit year to calendar year
- Updated employee name badges
- Administered annual staff trainings



BELOW IS A SNAPSHOT OF DHD#10
COMMUNITY HEALTH SERVICES FOR 2021

COMMUNITY HEALTH SERVICES



COMMUNITY PROGRAMS

161 Adults and youth impacted by direct nutrition education (SNAP-Ed)

2,432 Enrolled in Prescription for Health Nutrition Education Program

324 People screened for Heart Age through LiveWell for Your Heart Program in Mecosta, Lake, Wexford, and Missaukee counties

574 Grayling Elementary (K-4) students benefited from CATCH Program integrating nutrition and physical activity into their school day

158 Referrals for Tobacco Treatment Services and Michigan Tobacco Quitline

6 Participants in Diabetes Prevention
66 Pounds lost

10,457 Impacted by policy, systems, and environmental changes at farmers' markets and in neighborhoods to promote nutrition and physical activity

1,054 Referrals to Community Connections HUB

806 Assistance pathways opened

84 WISEWOMAN clients



ADOLESCENT PROGRAMS

10 Adolescent Health/Wellness Centers serving youth for health care and/or mental health needs

Viking Adolescent Health Center Crawford

Bretheren Wellness Center Manistee

Mason County Eastern Wellness Center Mason

Chippewa Hills Wellness Center Mecosta

Lake City Wellness Center Missaukee

Hart Wellness Center Oceana

Shelby Adolescent Health Center Oceana

Wexford Adolescent Health Center Wexford

Manton Adolescent Wellness Center Wexford

Mesick Adolescent Wellness Center Wexford

2,073 Primary Care Visits at Adolescent Health/Wellness Centers

3,587 Mental Health Visits at Adolescent Health/Wellness Centers

612 School-Based Oral Health Screenings

72 Teeth sealed as part of the Seal! Michigan Sealant Program



SUBSTANCE USE EDUCATION

SUBSTANCE ABUSE PREVENTION

SERVICES: Lake, Mason, Missaukee, Oceana, Wexford

2,792 reached through Community Education (adults and students)

5 Medication Disposal Events

302 households collected and disposed of unwanted medication

MEDICAL MARIJUANA OUTREACH &

EDUCATION: Lake, Mason, Mecosta, Missaukee, Wexford

1,082,072 Reached through various media efforts to educate adults on medical marijuana safety

2,605 press releases, online presentations, and outreach materials to providers



BELOW IS A SNAPSHOT OF DHD#10
ENVIRONMENTAL HEALTH SERVICES FOR 2021

ENVIRONMENTAL HEALTH SERVICES

2,188

SEPTIC PERMITS
ISSUED

2,422

WELL PERMITS
ISSUED

205

WELL
INSPECTIONS

1,592

FOOD OPERATION
INSPECTIONS

304

TEMPORARY FOOD
BOOTH INSPECTIONS

163

CHILDCARE
INSPECTIONS

242

CAMPGROUND
INSPECTIONS

169

SWIMMING POOL
INSPECTIONS

225

SOIL
EVALUATIONS

222

RADON KITS
DISTRIBUTED





BELOW IS A SNAPSHOT OF DHD#10
FAMILY HEALTH SERVICES FOR 2021

FAMILY HEALTH SERVICES



FAMILY HEALTH CLINICAL

3,524 Vaccines Given

4,513 Influenza Vaccines Given

107,420 COVID-19 Vaccines Given

881 Family Planning Clients Served

1,694 Services Provided

49 Breast & Cervical Screenings

75 STD Participants

98 STD Services



FAMILY HEALTH HOME VISITING

266 Maternal Clients Served through
Maternal Infant Health Program

1,227 Maternal Visits

307 Infant Clients

3,702 Infant Visits

252 Healthy Futures Clients Served

199 Healthy Futures Phone Visits

9 Healthy Futures Home Visits

53 Healthy Families Clients Served

764 Healthy Families Home Visits

1,355 Children Served through
Children's Special Health Care Services

1,755 Services Provided

1,044 Preschool Hearing Screenings

1,137 School Hearing Screenings

899 Preschool Vision Screenings

1,078 School Vision Screenings



FAMILY HEALTH WIC

7,644 Average Monthly WIC
Enrollment

4,530 Project FRESH Books
Distributed

\$113,250 Value of Project
FRESH Coupons

974 Child Lead Screenings

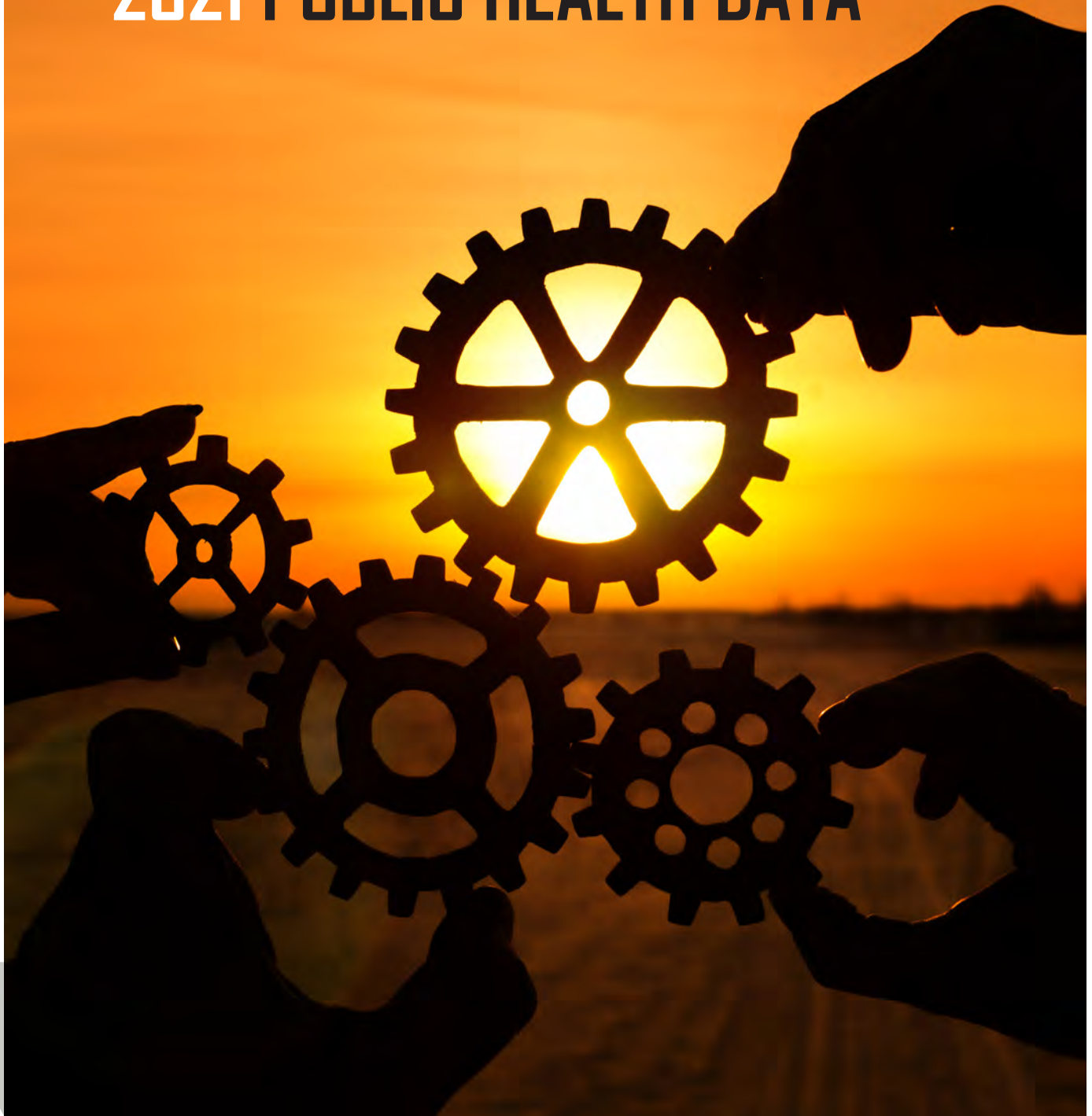
1,224 Fluoride & Oral Dental
Screenings

1,727 Breastfeeding Peer
Counseling Services



**District Health
Department #10**
Healthy People, Healthy Communities

2021 PUBLIC HEALTH DATA



2021 PUBLIC HEALTH DATA

The following is an in-depth view of the health of residents within the jurisdiction of District Health Department #10. This information also highlights data related to the programming and services provided to residents in our communities. These data sets are used to tell the story of each county's health status. DHD#10 continuously collects and analyzes data to identify the burden of disease and examine the overall health of the 10-county population. DHD#10 uses this data to ensure that programs and services are meeting the needs of clients and the communities served.

LEADING CAUSES OF DEATH

	DHD#10 Number of Deaths	DHD#10 Age-Adjusted Death Rate per 100,000	Michigan Age-Adjusted Death Rate per 100,000
Heart Disease	760	192.4	206
Cancer	744	180.9	158.8
Accidents	203	69.7	56.2
Chronic Lower Respiratory	270	63.5	42.4
Stroke	209	54	44.8
Alzheimer's Disease	182	46.9	37
COVID-19	170	43	86.5
Diabetes Mellitus	88	23.9	26.3
Kidney Disease	39	9.5	14.8
Pneumonia/Influenza	39	9.9	14.4
Suicide	39	15.3	14.3

MDHHS, 2020 <https://vitalstats.michigan.gov/osr/chi/profiles/frame.html>

COMMUNITY HEALTH INDICATORS

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Michigan
Total Population 2020*	13,981	18,003	11,587	24,738	29,164	43,907	15,152	49,348	26,819	33,743	9,966,555
# of Births 2019*	110	182	102	195	274	410	150	528	255	390	107,917
Birth Rate per 1,000 2019*	55.6	61.4	69.2	59.4	61.2	46.7	62.5	65.9	60.9	69.4	57.4
# of Deaths 2020*	183	249	205	406	403	496	199	583	330	377	117,087
AA Death Rate per 100,000 2020*	756.0 +/- 117.1	1048.4 +/- 137.6	966.7 +/- 146.2	987.7 +/- 105.4	855.8 +/- 88.9	915.0 +/- 84.0	912.9 +/- 130.8	860.9 +/- 75.1	881.7 +/- 99.2	827.1 +/- 86.4	913.8 +/- 5.4
Cancer Mortality Age Adjusted Rate per 100,000 2020*	172.6 +/- 53.6	235.8 +/- 61.4	236.2 +/- 67.4	176.1 +/- 40.1	190.3 +/- 41.7	200.9 +/- 37.5	171.3 +/- 54.7	176.2 +/- 32.3	148.9 +/- 38.1	148.0 +/- 35.6	158.8 +/- 2.2
Cardiovascular Disease Mortality Age Adjusted Rate per 100,000 2020*	171.4 +/- 52.0	200.0 +/- 59.4	197.9 +/- 63.1	210.4 +/- 43.7	180.0 +/- 39.1	218.8 +/- 40.3	242.1 +/- 69.1	160.0 +/- 30.6	198.3 +/- 45.6	178.2 +/- 39.7	206.0 +/- 2.5
Median Household Income 2020^	\$49,625	\$52,903	\$39,971	\$53,488	\$52,571	\$52,949	\$51,030	\$51,122	\$52,388	\$56,550	\$61,352
% of Persons Below Poverty 2020^	13.6%	12.0%	19.2%	12.4%	12.3%	13.6%	12.6%	12.3%	13.3%	11.4%	12.6%
Medicaid Paid Births 2019^	48.2%	47.8%	61.8%	49.2%	42.3%	46.6%	48.0%	48.7%	60.4%	55.1%	41.5%
Teen Pregnancy Rate per 1,000 2019*	*	38.5	57.1	37	24.1	13.4	56.6	30.7	35.2	30	25.8
Smoked While Pregnant 2019^	36.0%	31.0%	35.4%	29.4%	16.4%	25.7%	19.0%	24.4%	20.7%	25.6%	14.4%

*=MDHHS, ^= MLFPP. NOTE: Birth related data has not been updated at the time of data collection for this year's annual report. The values shown are the same values reported in the Annual Report 2020.

COMMUNICABLE DISEASE REPORTING

DISEASE	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Chlamydia	25	41	18	48	38	140	30	129	70	68	607
Hepatitis C Chronic	6	12	1	4	9	8	4	14	8	21	87
Campylobacter	2	2	2	3	4	6	4	6	4	6	39
Chicken Pox	0	0	0	0	0	0	0	2	0	0	2
Salmonellosis	0	1	2	3	3	5	2	3	6	3	28
Gonorrhea	10	3	8	11	7	45	19	43	21	25	192
Streptococcal	3	0	2	3	3	4	0	5	1	0	21
Shiga Toxin E coli	1	0	1	1	1	2	1	1	0	1	9
Giardia	0	3	2	1	5	1	0	3	2	1	18
Pertussis	0	0	0	0	0	0	0	0	0	0	0
Novel Coronavirus COVID-19	943	1,325	722	1,299	2,469	3,587	1,383	5,087	2,639	2,722	22,176

Michigan Disease Surveillance System (MDSS), October 1, 2020 - September 30, 2021

COMMUNICABLE DISEASE TRENDING DATA

Chlamydia continues to be our most reported communicable disease. Likewise, it is the most common disease reported in our state. Our cases have been decreasing for two fiscal years, going from 617 cases in 2019/20 to 607 cases this fiscal year (2020/21). This decline in cases occurred in both our jurisdiction and the state of Michigan.

Gonorrhea cases have been increasing each year for the past eight years. The 5-year average trend is an increase of 31.9% per year.

Chronic Hepatitis C will continue to be a major health problem. Our reported cases have shown a 5-year average decreasing trend of 15.7% per year. This is likely due to changes in diagnostic criteria and more accurate diagnoses, which utilize RNA testing for virus confirmation.

Salmonella continues to be one of our primary food borne illnesses, with an increasing 5-year average trend of 9.5% per year. There were no salmonella outbreaks in our jurisdiction this fiscal year, however there was one foodborne illness related outbreak of norovirus.

Campylobacter is our most reported bacterial gastrointestinal disease this fiscal year. CDC estimates that it affects at least 1.5 million people a year in the US. The 5-year average trend for this disease is a decrease of 4.6% per year.

Pertussis - There were no pertussis cases reported this fiscal year. Pertussis cases vary widely year-to-year due to periodic outbreaks, mainly in groups of unimmunized persons. Vaccination is the most effective means to prevent this disease and varicella (chicken pox) disease as well.

Shiga Toxin E coli cases increased this year with 9 reported. This disease can be severe, especially in children.

Hepatitis A cases increased during this fiscal year.

Lyme Disease is endemic in the counties along the Lake Michigan shoreline. There was a 76.9% increase in cases when comparing this fiscal year to last. Cases this fiscal year were primarily in two of our coastal counties of Mason and Oceana.

Additional comments:

Novel coronavirus COVID-19 continued as the predominate communicable disease this fiscal year. It is important to acknowledge that many of the preventative measures taken to decrease the spread of COVID-19 could have impacted other communicable disease case reporting thus impacting their trends as well.

Even though some diseases (such as TB and Meningococcal Meningitis) occur quite rarely, and do not appear on this list, they can create a large amount of work for our staff given the right circumstances. Therefore, the large numbers of certain diseases (e.g., Chlamydia; Chronic Hepatitis C) do not always properly tell the story of how much effort is required to investigate some of these diseases.

DISEASE	2020-2021	2019-2020	2018-2019	2017-2018
Chlamydia	607	617	740	725
Hepatitis C (chronic)	87	86	176	271
Campylobacter	39	35	44	56
Chicken Pox	2	5	8	12
Salmonellosis	28	35	32	34
Gonorrhea	192	127	92	73
Streptococcal Diseases	21	30	56	56
Shiga Toxin E coli	9	5	5	12
Giardia	18	11	12	19
Pertussis	0	9	8	23
Hepatitis A	2	1	8	4
Lyme Disease	23	13	28	15

ACCESS TO DHD#10 HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Maternal Infant Health Program (MIHP)											
Maternal Clients	15	21	9	20	14	48	13	53	26	47	266
Maternal Visits	77	97	29	135	46	199	44	282	115	203	1,227
Infant Clients	22	23	17	32	15	40	10	75	33	40	307
Infant Visits	154	353	95	418	166	410	133	881	435	657	3,702
Healthy Futures											
Home Visits	2	1	0	3	0	0	2	0	0	1	9
Phone Visits	80	27	0	20	1	0	30	0	0	41	199
Healthy Families											
Clients Served	19	12	9	8	0	0	7	0	0	8	53
Home Visits	300	145	132	80	0	0	47	0	0	60	764
Children's Special Health Care Service											
Children Served	49	78	54	80	140	253	71	346	103	181	1,355
Services Provided	80	89	82	97	168	361	85	468	125	299	1,755
Women, Infants, and Children (WIC)											
Average Monthly Enrollment	406	479	279	497	630	1,115	341	1,882	809	1,206	7,644
% Return Rate	95%	98%	95%	97%	96%	98%	95%	98%	95%	93%	96%
PROJECT FRESH Distributed	230	280	180	300	490	500	230	1,030	540	750	4,530
Value of PROJECT FRESH coupons	5,750	7,000	4,500	7,500	12,250	12,500	5,750	25,750	13,500	18,750	\$113,250
Child Lead Screenings	91	97	38	51	79	174	57	277	79	31	974
Dental Services (Fluoride & Oral Screenings)	100	18	48	125	55	212	52	331	157	126	1,224
Breastfeeding Peer Counselor Services	102	81	69	131	144	287	76	410	155	272	1,727
Family Planning Services											
Clients Served	39	32	17	73	153	98	60	60	139	210	881
Services Provided	76	59	29	166	281	143	132	134	313	361	1,694
WISEWOMAN Program											
# Clients	0	0	0	0	7	29	0	9	11	28	84
Cancer Screening Programs											
Breast & Cervical Clients	5	9	0	2	6	4	2	10	7	13	49
Dental Health - services provided in partnership with My Community Dental Clinics (MCDC) and Dental Health Centers (DHC)											
Unique Patients	845	270	66	1,996	1,524	2,441	877	934	1,558	2,619	14,530
Patient Visits	2,014	3,034	1,017	4,319	3,241	5,425	1,789	2,066	3,232	5,162	31,299
Community Connections HUB											
Referrals	65	79	47	185	59	93	75	54	69	328	1,054
Assistance Pathways	44	50	73	117	38	89	27	20	83	265	806

ESSENTIAL LOCAL PUBLIC HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Onsite Sewage											
Septic Permits	125	189	238	228	177	277	86	373	255	170	2,118
Septic Failures	42	36	16	21	39	3	4	89	59	25	334
Water Program											
Well Permits	107	228	256	183	255	342	160	418	291	182	2,422
Well Inspections	3	3	51	19	16	36	4	26	27	20	205
Food Service											
Food Operation Inspections	87	91	62	189	218	237	62	243	166	237	1,592
Temp Food Booth Inspections	5	10	42	46	45	28	11	23	54	40	304
Reported Food Borne Illness	2	0	0	2	1	3	0	1	2	2	13
Immunizations Given											
Vaccines	369	152	50	411	497	477	202	194	633	539	3,524
Influenza Vaccines	363	203	130	617	452	667	376	353	635	717	4,513
COVID-19 Vaccines	7,821	5,957	5,127	14,044	15,055	13,934	6,518	12,863	12,579	13,522	107,420
Communicable Disease											
TB Skin Tests Given	23	27	22	127	119	197	65	179	97	196	1,052
TB Patients on Prophylaxis	1	0	0	0	0	2	1	2	12	1	19
STI Services											
STI Clients	7	8	0	5	5	18	4	6	7	15	75
STI Clinic Services	9	8	0	5	5	22	5	11	9	24	98
Hearing Screenings											
Preschool Hearing Screenings	57	14	5	152	163	212	40	165	111	125	1,044
School Hearing Screenings	0	15	0	219	49	77	178	182	140	387	1,137
Vision Screenings											
Preschool Vision Screenings	62	15	6	161	172	193	42	156	115	137	899
School Vision Screenings	0	16	0	194	41	79	164	116	43	425	1,078

PUBLIC HEALTH PROGRAM SNAPSHOTS

ENVIRONMENTAL HEALTH SERVICES

	Crawford	Kalkaska	Lake	Manistee	Mason	Mecosta	Missaukee	Newaygo	Oceana	Wexford	Total
Radon Kits Distributed	13	14	3	47	17	47	5	13	31	32	222
Soil Evaluations	5	7	4	31	27	44	4	65	28	10	225
Mortgage Evaluations	8	3	9	0	7	17	5	164	17	4	234
Building Permit Approvals	1	21	52	13	19	45	3	47	60	6	267
Complaints (all)	5	6	39	4	20	31	2	35	12	12	166
Child Care Inspections	9	13	6	12	17	30	10	30	14	22	163
Campground Inspections	21	11	30	29	22	24	16	33	29	27	242
Swimming Pool Inspections	8	4	10	22	37	20	2	9	36	21	169
Type II Sanitary Surveys	11	6	16	13	13	33	22	34	18	19	185
Tanning Inspections	4	0	0	3	4	8	0	6	2	1	28
Animal Bites/Exposures	23	44	31	65	65	37	53	91	86	81	576

WOMEN, INFANTS, AND CHILDREN (WIC) SERVICES

	2019	2020	2021
Average Monthly Enrollment	7,638	7,731	7644
% Return Rate	95.8%	98.5%	96%
# of Project FRESH Books Distributed	4,555	4,530	4,530
Value of Project FRESH Coupons	\$113,875	\$113,250	\$113,250
Child Lead Screening	1,976	1,145	974
Children who Received Fluoride Varnish	2,915	1,224	1,224

2021 COMMUNITY PARTNERS

DHD#10 recognizes all of the partnerships and support we receive from numerous outside agencies. With so much cross-jurisdictional sharing, partnerships, and support, we are able to continue offering unique programming and comprehensive public health services to our entire 10-county jurisdiction.

Arbor Circle Corporation
Baldwin Community Schools
Baldwin Family Health Care
Cadillac Area Public Schools
Chippewa Hills Public Schools
City of Big Rapids
City of Grant
Community Foundation of Mason County
Community Foundation of Oceana County
Crawford Ausable School District
Crawford County Community Christian Help
Delta Dental Foundation
Dental Clinics North
Family Practice of Cadillac, P.C.
Ferris State University
Fremont Area Community Foundation
Fremont Christian Church
Great Start Collaborative
Hart Lake Family Dentistry
Hart Public Schools
Hart Rotary
Kaleva Norman-Dickson Public Schools
Kiwanas Club of Kalkaska
Lake City Public Schools
Lake County Children's Trust Fund
Lake County Department of Health and Human Services
Lake County Juvenile Court
Lake County Sheriff Dept
Lake County Trial Court
Lake Osceola State Bank
Manistee County Community Foundation
Manton Consolidated Schools
Mason County Eastern Schools
Mesick Consolidated Schools

Michigan Health Endowment Fund
Michigan State Police
Michigan State University Extension
Munson Healthcare
My Community Dental Centers
Northern Michigan Care Partners
Northern Michigan Community Health Innovation Region
Northwest Michigan Chronic Disease Prevention Coalition
Northwest Michigan Health Services Inc.
Oceana County Children's Trust Fund
Shelby Optimists Club
Shelby Public Schools
Shelby Rotary
Spectrum Health Big Rapids Reed City Hospital
Spectrum Health Foundation
Spectrum Health Gerber Memorial Hospital
Spectrum Health Ludington Hospital
St. Stephen's Council of Women
Thorton Fund
United Way of the Lakeshore - Oceana County
United Way of Manistee County
Weidman Lion's Club
West Michigan Community Mental Health
Wexford Missaukee Intermediate School District

We thank you!



CRAWFORD COUNTY
501 Norway St., Ste. 1
Grayling, MI 49738
989-348-7800

KALKASKA COUNTY
625 Courthouse Dr.
Kalkaska, MI 49646
231-258-8669

LAKE COUNTY
5681 S. M-37
Baldwin, MI 49304
231-745-4663

MANISTEE COUNTY
385 Third St.
Manistee, MI 49660
231-723-3595

MASON COUNTY
916 Diana St.
Ludington, MI 49431
231-845-7381

MECOSTA COUNTY
14485 Northland Dr.
Big Rapids, MI 49307
231-592-0130

MISSAUKEE COUNTY
6180 W. Sanborn Rd. Ste. 1
Lake City, MI 49651
231-839-7167

NEWAYGO COUNTY
1049 Newell St.
White Cloud, MI 49349
231-689-7300

OCEANA COUNTY
3986 N Oceana Dr.
Hart, MI 49420
231-873-2193

WEXFORD COUNTY
521 Cobb St.
Cadillac, MI 49601
231-775-9942



**District Health
Department #10**
Healthy People, Healthy Communities



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