



BOARD OF HEALTH

Notice of Meeting

Meeting will be held at: 10:00 a.m. Friday, February 21, 2025
Wexford County Health Department: 521 Cobb St., Cadillac, MI 49601

AGENDA

- A. Call to Order (Richard Schmidt, Chair)
B. Roll Call
C. Public Comment Rules (Action Item) 1
D. Review and Approval of the Agenda
E. Review and Approval of the Board of Health Meeting Minutes – January 31, 2025 9
F. Public Comment
Designated for topics on the Agenda only.
G. Committee Reports
1. Executive Committee (Richard Schmidt)
2. Finance Committee (Bryan Kolk)
a. Finance Report (Report will be provided at meeting.)
b. Approval of Accounts Payable and Payroll (Action Item)
3. Personnel Committee (Robert Baldwin)
4. Legislative Committee (Nick Krieger)
H. Notice of Appeal – FOIA Denial of Records
I. Program Reports
1. Community Health Division (Christy Rivette) 14
2. Environmental Health Division (Max Bjorkman) 16
3. Family Health Clinical Division (Sheila Parker)..... 18
4. Family Health Home Visiting (Britney Wright) 23
5. Family Health WIC Division (Anne Bianchi) 25
6. School Health Division (Katy Bies) 28
J. Administration Reports
1. Medical Director (Dr. Jennifer Morse, MD)
a. Endocrine Disrupting Chemicals 29
2. Deputy Health Officer (Sarah Oleniczak)
a. 2024 Annual Report, no written report.
3. Health Officer (Kevin Hughes)..... 33
K. Public Comment
Open for any public comments.
L. Other Business
M. Next Board of Health Meeting
• Friday, March 28, 2025 at 10:00 a.m.
N. Adjournment

Public Comment Rules

1. At each Board of Health regular meeting that is open to the public, there shall be a public comment period. It shall be held at the beginning of the meeting following approval of the meeting agenda and previous meeting minutes.
2. Any individual desiring to make a public comment shall be requested to first state their name and address for the record.
3. Any individual will not be allowed to speak more than once during the public comment period.
4. Any individual may not transfer, reserve, delegate, or yield any public comment time to other individuals.
5. All public comments shall be directed to and through the Chairperson of the Board of Health. Individuals shall not directly address any other member of the public, other Board of Health members, or staff.

**Board of Health
Summary
February 21, 2025**

Subject: Public Comment Rules

Summary:

It has been noted that the second public comment has been absent from the agenda. On October 29, 2021, the Board of Health had amended and approved the public comment rules. Those new approved rules have not been applied. Included are the previously approved rules, along with the October 29, 2021, meeting minutes.

Recommendation:

It is recommended that the Board reviews and approves the presented public comment rules, with any necessary amendments.



BOARD OF HEALTH

Monthly Meeting: October 29, 2021 – 9:30 a.m.

Cadillac Office

521 Cobb Street, Cadillac

A G E N D A

I. **Call to Order:** Jim Maike, Chair called the meeting to order at 9:30

II. **Roll Call**

Members Present – In Person: Shelley Pinkelman, Phil Lewis, Robert Baldwin, Betty Dermeyer, Dawn Martin, Pauline Jaquish, Richard Schmidt, Ron Bacon, Nick Krieger, Tom O’Neil, Ray Steinke, Roger Ouwinga, Star Hughston, Jim Maike, Paul Erickson, Martha Meyette, Judy Nichols, Gary Taylor, James Sweet

Members Online:

Members Absent: Bryan Kolk

Staff In Person: Kevin Hughes, Christine Lopez, Dr. Jennifer Morse, Sarah Oleniczak, Anne Bianchi, Anne Young, Christy Rivette, Stephanie Jacobs, Elizabeth Johnson

III. **Review and Approval of the Agenda** - Motion by Ray Steinke, seconded by Ron Bacon to approve the meeting agenda

Motion Carried

IV. **Review and Approval of Board of Health Meeting Minutes** - Motion by Betty Dermeyer, seconded by Ron Bacon to approve the minutes of the September 24, 2021.

Motion Carried

V. **Review and Approval of Public Comment Rules** – Discussion on Public Comment rules – No response should be given by any member to a public comment. If a response is wanted by commentator, the board representative from the specific township will send a response. Two amendments to the rules were made. Martha Meyette discussed that the public does not have to state their address before commenting but must give the secretary their address before leaving the meeting.

1st Amendment: First public comment section - the public can talk about anything on the agenda. Motion made by Ron Bacon and seconded by Betty Dermeyer.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O’Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermeyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

2nd Amendment: To add a second public comment section at the end of the meeting. Public can address anything that was said during current meeting. Motion by Robert Baldwin, seconded by Star Hughston

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O’Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermeyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

VI. Public Comment. No Public Comments

VII. Committee Reports

A. **Executive Committee** – The Executive Committee met to discuss Kevin Hughes contract, goals and salary. Current contract is 2 years. The committee determined that Kevin Hughes has twice the population as other counties in our area and is the least paid. Kevin Hughes spoke about his role and comparison with other counties. The committee would like to give Kevin Hughes a raise and increase him from a step 2 to a step 4. His new salary would be \$111, 885. Motion for raise was made by Roger Ouwinga and seconded by Betty Dermeyer, then rescinded for an amendment to the contract.

Amendment made for the raise and to be reevaluated at the one-year mark instead of 2 years.

Motion made by Betty Dermeyer and seconded by Phil Lewis.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O’Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermeyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

Motion was made by Betty Dermeyer and seconded by Roger Ouwinga to approve Kevin Hughes evaluation.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O’Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

Overtime hours of Kevin Hughes was discussed. Kevin has accumulated up to 75 hours above the 100 cap hours. Motion to compensate Kevin for his hours above the cap amount was made by Ray Steinke and seconded by Shelley Pinkelman. Motion was amended.

Amendment to motion – Ray Steinke amended motion to pay comp-time hours down to a balance of 75 hours, it was seconded by Shelley Pinkelman.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O’Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Abstain
James Sweet	Yes		

18 Ayes

1 Abstain

Motion Carried

B. Finance Committee

Finance Report is currently a draft report, all expenses have not been submitted. The state report will be submitted at the end of November and the auditors will be in the first week of December.

Statement of revenue was discussed, COVID numbers are still being worked on, currently 1.89 million. Cash flow projections given through March of 11.5 million

Approve September Accounts Payable and Payroll Motion by Ray Steinke, seconded by Roger Ouwinga

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O'Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

- C. **Personnel Committee** – Met on 10/22. Kevin discussed a survey that was sent to the staff regarding Overtime pay vs Comp Time during pandemic time. Results were a preference to receive overtime pay. 11/1 the overtime/comp time will revert back to pre-pandemic policy. Pre-pandemic policy has a cap of 100 hours comp time. There are currently 13 staff members that are at the cap of 100 hours. An in-depth review is currently being done on staff retention, a retention plan will be presented to the board at a future date

Motion made by Shelley Pinkelman and seconded by Judy Nichols to pay down current employees that are at the cap of 100 hours to 75 hours, which will allow them flexibility.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O'Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Abstain
James Sweet	Yes		

18 Ayes

1 Abstain

Motion Carried

Motion made by Shelley Pinkelman and seconded by Nick Krieger to adopt the proposed 2022 salary adjustment proposal.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O’Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermeyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

D. **Legislative Committee** – Nothing to Report

VIII. Presentation – Elizabeth Johnson, presented to the board: *Children’s Oral Health, Where We Are At & Why It Matters*

IX. Program Reports

1. Family Health Clinical Division Report - New staff announced
2. Community Health Division Report -Adolescent Health is currently very busy. A new clinic space in Lake City has opened and a temp area in Wexford has also opened.
3. Environmental Health Division Report – Nothing to Report
4. Family Health Division Home Visiting Report – Healthy Families America has expanded in Lake County, working with CPS on the highest risk. MIHP has passed their review. Receiving funding for special needs immunization.
5. Family Health Division WIC Report – Successful transition in October with new vendor for EBT. After 15 years with Mead Johnson, a new contract for infant formula is now with Abbot Labs. A recent recall on lead testing kits has resulted in working with local doctors to get the testing done.

X. Administration Reports

A. **Medical Director** – Dr. Jennifer Morse has encouraged everyone to read her report. It shares tips on website credibility and false information.

Motion was made by Ray Steinke to accept Dr. Morse’s report and seconded by Richard Schmidt.

Motion Carried

B. **Deputy Health Officer** – Announcement of new Community Health Officer – Christy Rivette. A vaccine report will be provided next month. FAB deadline has been extended.

C. **Health Officer** – PFAS highlights given. A new county has been identified and 9 homes will be sampled. There is a potential new site – PCA/Manistee County. Kevin Hughes asked for continued support on paying the Malph Dues, they have not changed in six years.

Motion was made by Ray Steinke and seconded by Richard Schmidt to continue paying the Malph Dues.

Roll Call Vote

Shelley Pinkelman	Yes	Nick Krieger	Yes
Phil Lewis	Yes	Tom O'Neil	Yes
Robert Baldwin	Yes	Ray Steinke	Yes
James Sweet	Yes	Roger Ouwinga	Yes
Betty Dermyer	Yes	Jim Maike	Yes
Dawn Martin	Yes	Paul Erickson	Yes
Pauline Jaquish	Yes	Martha Meyette	Yes
Richard Schmidt	Yes	Judy Nichols	Yes
Ron Bacon	Yes	Star Hughston	Yes
James Sweet	Yes		

Motion Carried

- XI. Other – Invitation will be sent to legislators for December 17th Board meeting
- XII. Next Board of Health Meeting: Friday, November 19, 2021, at 10:00 a.m.
- XIII. Adjournment

Motion to adjourn made by Betty Dermyer and seconded by Dawn Martin

Jim Maike, Chair

Date

Judy Nichols, Secretary

Date

Public Comment Rules

- District Health Department #10 Board of Health meetings will comply with the Open Meetings Act, PA 267 of 1976.
- District Health Department #10 Board of Health meetings public comment will comply with the public comment rules adopted by the Board of Health on October 29, 2021. They are as follows:
 1. At each Board of Health regular meeting that is open to the public, there shall be a public comment period. It shall be held at the beginning of the meeting following the approval of the meeting agenda and previous meeting minutes, and after administration reports.
 2. The first public comment is designated for topics on the agenda only. The second public comment is open for any public comment.
 3. Any individual desiring to make a public comment shall be requested to first state their name for the record and must give their address to the secretary before leaving the meeting.
 4. An individual is limited to three (3) minute time period per public comment. The individual is not limited to one topic.
 5. An individual will not be allowed to speak more than once during a public comment period.
 6. An individual may not transfer, reserve, delegate, or yield any public comment time to other individuals.
 7. All public comments shall be directed to and through the Chairperson of the Board of Health. Individuals shall not directly address any other member of the public, other Board of Health members, or staff.

The Public Comment Rules have been incorporated with the posted agenda for each public meeting of the Board of Health so that they are readily available to each person who desires to speak at the meeting. The Board of Health expects that each person desiring to speak at the meeting will have read and will comply with these rules.

BOARD OF HEALTH

Notice of Meeting

Meeting will be held at: 10:00 a.m. Friday, January 31, 2025
Wexford County Health Department: 521 Cobb St., Cadillac, MI 49601

Meeting Minutes

A. Call to Order (*Kevin Hughes, Health Officer*)

B. Roll Call

Members Present: Shawn Kraycs, Phil Lewis, Robert Baldwin, David Persons, Clyde Welford, Shayne Machen, Richard Schmidt, Ron Bacon, Nick Krieger, Chris Jane, Greg Adams, Roger Ouwinga, Bryan Kolk, Jim Maike, Paul Erickson, Robert Walker, Gary Taylor, Julie Theobald

Members Absent: Dawn Fuller, Gary Lambrix

Members Excused: Kristine Raymond, Star Hughston

Staff Present: Dr. Jennifer Morse, Kevin Hughes, Sarah Oleniczak, Christine Lopez, Max Bjorkman

Guest(s): Members of the Public

C. Review and Approval of the Agenda

Motion by Bryan Kolk to approve the Agenda and seconded by Nick Krieger. All in favor, Motion Carried.

D. Election of Chair (*In accordance with the Bylaws*) (*Kevin Hughes, Health Officer*)

Nomination by Jim Maike, seconded by Robert Walker to elect Richard Schmidt for Chair. Motion by Jim Maike, seconded by Nick Krieger to close nomination and elect Richard Schmidt as Chair. All in favor, Motion Carried.

E. Election of Vice-Chair and Secretary

Nomination by Nick Krieger, seconded by Jim Maike to elect Ron Bacon for Vice-Chair. Motion by Jim Maike, seconded by Robert Walker to close nomination and elect Ron Bacon as Vice-Chair. All in favor, Motion Carried

Nomination by Rob Bacon, seconded by Bryan Kolk to elect Paul Erickson for Secretary. Motion by Nick Krieger, seconded by Jim Maike to close nomination and elect Paul Erickson as Secretary. All in favor, Motion Carried

F. Review and Approval of the Board of Health Meeting Minutes – December 20, 2024

Motion by Ron Bacon to approve the December 20, 2024 meeting minutes, seconded by Phil Lewis. All in favor, Motion Carried.

G. Appointments – Standing Committees

Hughes explained the Bylaws require ten members each for the Personnel and Finance Committees, and two members from one county could not serve on the same committee. Chair Schmidt invited members to confer to determine county representation on each committee. Committee memberships established are as follows:

- Finance Committee

Phil Lewis	David Persons
Kristine Raymond	Richard Schmidt
Nick Krieger	Chris Jane
Roger Ouwinga	Bryan Kolk
Paul Erickson	Julie Theobald
- Personnel Committee

Shawn Kraycs	Robert Baldwin
Dawn Fuller	Shayne Machen
Ron Bacon	Gary Lambrix
Star Hughston	Jim Maike
Robert Walker	Gary Taylor

H. Call Committee Conferences (*New Chair*)

Chair Schmidt directed members to conference in committee to select a Chair and Vice Chair for the Finance and Personnel committees.

- Bryan Kolk - Chair, Finance Committee
- Nick Krieger - Vice-Chair Finance Committee
- Robert Baldwin - Chair, Personnel Committee
- Gary Taylor - Vice-Chair, Personnel Committee

I. Reconvene

- Bylaw Committee
 - Phil Lewis
 - David Persons
 - Jim Maike
 - Robert Walker
 - Gary Taylor
- Legislative Committee
 - Nick Krieger
 - Robert Walker

J. Public Comment

Don Kosmider, Cadillac, let everyone know that InfoWars is online and shared his thoughts on the COVID vaccine and Agenda 2030.

K. Committee Reports

- Executive Committee
 - Elections of Officers
 - Richard Schimdt- Chair
 - Ron Bacon - Vice-Chair
 - Paul Erickson - Secretary
 - Bryan Kolk - Finance Chair
 - Robert Baldwin - Personnel Chair

- Finance Committee

- Finance Report

Report provided. Christine Lopez presented the finance report for December, 2024. The balance sheet reflects a cash balance of \$12.6 million, total assets and liabilities of \$16.4 million. The statement of revenue and expenditure reflects revenues of \$8,075 million and expenses \$7.7 million. A cash flow analysis through January 16, 2025, reflects a cash balance of \$13 million. The accounts payable and payroll expenses are \$4,381,467.06. The November, 2024 finance report was also included for information.

Motion was made by Ron Bacon and seconded by Phil Lewis to pay the bills in the amount of \$4,381,467.06.

Roll Call

Shawn Kraycs	Yes	Greg Adams	Yes
Phil Lewis	Yes	Roger Ouwinga	Yes
Robert Baldwin	Yes	Bryan Kolk	Yes
Clyde Welford	Yes	Jim Maike	Yes
Shayne Machen	Yes	Paul Erickson	Yes
Richard Schmidt	Yes	Robert Walker	Yes
Ron Bacon	Yes	Gary Taylor	Yes
Nick Krieger	Yes	Julie Theobald	Yes
Chris Jane	Yes		

All in favor, *Motion Carried.*

A few board members asked about some of the line items. Christine clarified that in an amendment to the budget there will be some lines removed as those services are no longer. Board members were reminded that if at any time they have questions on the budget or any other Public Health issue, to bring those forward without hesitation.

- On page 15, the fee schedule for 2025 for CPR services was reviewed for approval. These fees are for the offering of CPR and AED classes.

Motion by Nick Krieger and seconded by Clyde Welford to approve the fee schedule.

Roll Call

Shawn Kraycs	Yes	Greg Adams	Yes
Phil Lewis	Yes	Roger Ouwinga	Yes
Robert Baldwin	Yes	Bryan Kolk	Yes
Clyde Welford	Yes	Jim Maike	Yes
Shayne Machen	Yes	Paul Erickson	Yes
Richard Schmidt	Yes	Robert Walker	Yes
Ron Bacon	Yes	Gary Taylor	Yes
Nick Krieger	Yes	Julie Theobald	Yes
Chris Jane	Yes		

All in favor, *Motion Carried.*

- Personnel Committee (*Kevin Hughes*)

Kevin updated the board that there still had not been further changes made to the paid sick time and minimum wage rule. Starting February 21, full-time and part-time employees will start accruing 1 hour of sick leave for every 30 hours worked. DHD#10 currently provides the required amount of paid time off for staff receiving benefits but will have to begin providing this time for staff working less than 20 hrs per week. At issue is the accruing, monitoring and carryover of this time for all staff.

Kevin shared a spreadsheet on employee longevity per a request from last months meeting: it showed the positions at DHD#10, number of staff in that role and how long individuals have been with DHD#10.

- Legislative Committee (*Kevin Hughes*)

Kevin reminded everyone about the MALPH – Day at the Capitol, it is Wednesday April 09, 2025, would stay the night in Lansing on the Tuesday the 8th. Kevin asked the Board to let him know by the next board meeting on February 21 if anyone is planning to attend so the rooms can be booked.

Richard Schmidt, Nick Krieger, Bob Baldwin, Jim Maike, and Bryan Kolk, expressed interest in attending the Day at the Capitol.

L. Board of Health Presentation – Introduction to Local Public Health, Kevin Hughes

Kevin provided a PowerPoint presentation as a brief overview of local public health. There will be an orientation for new members at 9:00am on February 21, 2025, before the board meeting.

M. Administration Reports

- Medical Director (*Dr. Jennifer Morse*)

Dr. Morse’s report on H5N1 and the spread of the virus between animals and humans was provided in the packet.

Motion by Jim Maike and seconded by Nick Krieger to accept Dr. Morse’s recommendations contained within her report. All in favor, *Motion Carried.*

Julie Theobald asked Dr. Morse if she could provide a PFAS update for one of her reports in the near future.

- Deputy Health Officer (*Sarah Oleniczak*)

Sarah reviewed her report. Which included updates on PHWINS survey and the development of a workforce development plan for the year from that. MiThrive – Community Health Assessment a 31-county initiative updates and the finalization at priorities for the regions which included: access to health care, mental health, economic security, and obesity. The annual report is finalized and is being printed, it will be shared with the board at the February meeting.

- Health Officer (*Kevin Hughes*)

Kevin reviewed his report. Prior to the meeting a 2023 Statewide Failed Sewage System Evaluation Report was shared, considering prior discussion on the failed Statewide Sanitary

Code, he thought the material would be of interest to the Board. In February he is scheduled to meet with seven of the ten counties prosecuting attorneys to create relationships with DHD#10 so if there comes a need to work with them on matters the appropriate processes are known.

N. Other Business

Kevin received noticed that six dental clinics of the My Community Dental Clinics will be closing, all the ones in DHD#10 jurisdiction will remain open. They are closing due to staffing issues.

O. Public Comment

Don Kosmider, Cadillac, shared additional info on InfoWars and what it is that they cover.

P. Next Board of Health Meeting

- Friday, February 21, 2025, at 10:00 a.m.

Q. Adjournment

A motion was made by Jim Maike and seconded by Nick Krieger to adjourn the meeting.

Richard Schmidt adjourned the meeting at 11:37 a.m.

Richard Schmidt, Chair

Date

Paul Erickson, Secretary

Date

Board of Health
Community Health Division
1st Quarter FY 2025 Report

Community Connections

	Referred Participants		Accepted Participants*		Resource Pathways	
	Q1	YTD	Q4	YTD	Q4	YTD
Crawford	44	44	4	4	82	82
Kalkaska	67	67	5	5	28	28
Lake	11	11	6	6	82	82
Manistee	96	96	30	30	102	102
Mason	20	20	5	5	22	22
Mecosta	37	37	7	7	2	2
Missaukee	36	36	4	4	8	8
Newaygo	16	16	4	4	6	6
Oceana	21	21	4	4	13	13
Wexford	99	99	26	26	59	59
TOTAL	447	447	95	95	404	404

*Still contacting Q1 referrals

Most frequent resource needs for pathways include housing, utilities, health insurance, and food assistance. Staff completed 1,310 Medicaid Health Plan outreach calls in Q1. A full-time CHW was added in Kalkaska County to meet the ongoing demand in the northern counties. Referrals in Crawford and Kalkaska counties have tripled since 2022 due to a referral partnership with Munson Healthcare.

Substance Use Prevention

- School-based programming:
 - Provided LifeSkills programming to 212 students in Lake and Mason Counties
 - Provided tobacco prevention programming to 96 students in Wexford County
 - Distributed 100 tobacco quit kits at Newaygo High School
- Community-based outreach: Collected 103lbs of unused medications at two takeback events in Mason and Oceana counties

Harm Reduction

- Partnering with ATS to offer mobile SUD treatment in the Kalkaska office parking lot
- 5 Naloxone trainings held – 29 people trained
- Added 3 new Naloxone vending machines in Wexford, Lake, and Mason Counties
- 259 Naloxone boxes distributed at DHD#10 locations
- Distributed 447 safe use kits
- Through the sharps takeback 202 containers were returned and 174 containers provided, serving 167 people.

Oral Health – 1,153 Kindergarteners received an oral health assessment across the jurisdiction.

Tobacco Control, Prevention, and Cessation Efforts – 13 referrals for tobacco treatment; 1 enrollment; staff supported a pregnant mom fully quitting tobacco and is two months tobacco/nicotine free.

Supplemental Nutrition Assistance Program Education (SNAP-Ed) – Staff implemented Cooking with Kids with 36 Grayling Elementary students.

National Diabetes Prevention Program – The current Kalkaska cohort has averaged 258 minutes of physical activity and 8 of 9 participants have maintained weight loss.

LiveWell REACH (Lake, Newaygo, and Oceana Counties) – Program staff are advancing work in four strategy areas:

- Family Healthy Weight Program: DHD#10 is partnering with the Muskegon YMCA to offer the “Healthy Weight and Your Child” Program in Lake County this year. DHD#10 staff and contractual partners from Trinity Health and Corewell Health are being trained in the program to sustain programmatic efforts.
- Physical Activity: Two municipalities submitted Requests for Proposals valuing \$5,000 each to enact Policy, Systems, or Environmental change with REACH funding in Year 2.
- Fruit and Vegetable Program: In Lake County, the REACH team is collaborating with Baldwin Family Health Care, the Pure Markette Farmers Market, Michigan State University Extension to implement the “FarmRx” Produce Prescription Program at the Pure Markette Farmers Market.
- Food Service Guidelines: In Oceana County, the Rothbury Community Church Helping Hands Food Pantry, with support from REACH staff, wrote for and received a \$2,500 grant from the Great Lakes Energy People Fund to purchase local produce and food for their pantry clients based on best practices identified in assessments completed in Year 1. On November 20, Oceana County staff were given the opportunity to present at a county-wide “Food Insecurity & Healthcare Free Dive” event with roughly 40 people in attendance (picture below). They also presented separately to the Community Foundation for Oceana County Board.



SAVE THE DATE – The Northern Michigan Chronic Disease Prevention Coalition Summit will be held at Ferris State University on Friday, May 2nd with registration information coming soon.

Respectfully Submitted,

Christy Rivette

**Board of Health
Environmental Health Division Report
2025 1st Quarter Report**

Water Well Private and Type III

Number of Well Permits Issued	408
Number of Wells Drilled	403
Number of Abandoned Wells Plugged	194
Number of Field Predrilling Site Evaluations	422
Number of Random Construction Inspections	55
Number of Final Inspections w/ Well Construction Code Violations	3

Sewage Residential

Number of Parcels Evaluated	413
Number of Onsite Sewage Treatment Permits Issued	368
Number of Alternative or Engineered System Plans Approved	0
Number of Appeals Processed	0
Number of Inspections Conducted During and/or After Construction	382
Number of Failed System Evaluations Conducted	174
Number of Complaints Received	20
Number of Complaints Investigated	10

Sewage Non-Residential

Number of Parcels Evaluated	25
Number of Onsite Sewage Treatment Permits Issued	19
Number of Alternative or Engineered System Plans Approved	0
Number of Appeals Processed	0
Number of Inspections Conducted During and/or After Construction	0
Number of Failed System Evaluations Conducted	7
Number of Complaints Received	0
Number of Complaints Investigated	0

Food Service

Food Inspections Conducted	329
STFU/Mobile Inspected	0
Temps Done	0
Reinspection Plan Received	79
Plans Approved	1
Pre-Opening Inspections	0
Food Complaints	15
Suspected Foodborne Investigation	0

1. Type II	
a. Permit	8
b. Well Final Inspections	5
c. Sanitary Surveys	33
d. Paid Level 2 Assessments	9
e. MR Violations Issued (Monthly & Quarterly)	421
2. Tanning Inspections	15
3. Body Art Inspections	2
a. New Facility Inspections	0
b. Temporary Facility Inspections	0
c. Routine Annual Inspection	2
d. Body Art Complaints	0
4. Long Term GW Monitoring Sampling Events	0
5. Pool Inspections	1
6. Campground Inspections	4
a. Facility Inspection	4
b. Temporary Campground License Issued	1
7. Septage Inspections	0
8. HAB Investigations	0
a. Sampling Event	0
b. Public Health Advisory	0
9. Inland Lakes Beach Monitoring	0
a. Sampling Event	0
b. Public Health Advisory Issued	0
10. Great Lake Beach Monitoring	0
a. Sampling Event	0
b. Public Health Advisory Issued	0
11. DHHS Inspections (per Clerical/EH Log)	0

***Respectfully Submitted,
Max Bjorkman***



Immunizations

- Over 140 off site flu and Covid clinics were done in our 10 counties in our 1st quarter.
- We provided in home vaccines for the elderly and people who were home bound.
- Social Media campaigns for Flu, pertussis outbreak, national influenza vaccination week.
- On October 2024, ACIP recommended that all persons aged 65 years and older and persons aged 6 months through 64 years with moderate or severe immunocompromise receive a second 2024–2025 COVID-19 vaccine dose 6 months after their last dose.
- All schools and childcare facilities across our counties are in compliance with immunization reporting requirements. This means that they have accurately maintained and submitted the necessary immunization records for their students, adhering to state regulations.



FP/STI/HIV

- Telehealth services have expanded for Family Planning and STI services. Now open to new clients in our communities.
- Prep which is an HIV preventative medication will now be offered in the following counties- Crawford, Kankaska, Mecosta, Missaukee and Wexford.
- We hired a full time clinician to for our northern counties and she will be training with Dr. Gulick from MSU and Central Health Department to initiate Hepatitis C treatment to clients.
- At the recommendation of MDHHS ,we will now provide at home HIV tests to DHD10 jurisdiction only, as other jurisdictions also offer the same resources and MDHHS feels this will allow for better follow-up and resource sharing.



FAMILY HEALTH CLINICAL

Clients Served

Fiscal Year 25 1st QTR

Family Planning

Age Group	Female Users	Male Users	Total Users
Under 15	5	0	5
15 - 17	36	1	37
18 - 19	35	0	35
20 - 24	49	1	50
25 - 29	32	2	34
30 - 34	35	1	36
35 - 39	32	0	32
40 - 44	27	3	30
Over 44	14	2	16
Total Users	265	10	275

BC3NP

Age Group	Female Users	Male Users	Total Users
20 - 2	0	0	0
25 - 29	2	0	2
30 - 34	2	0	2
35 - 39	0	0	0
40 - 44	3	0	3
Over 44	12	0	12
Total Users	19	0	19

STI/HIV

Age Group	Female Users	Male Users	Total Users
15 - 17	2	2	4
18 - 19	3	1	4
20 - 24	5	5	10
25 - 29	5	3	8
30 - 34	5	4	9
35 - 39	2	1	3
40 - 44	2	2	4
Over 44	7	6	13
Total Users	31	24	55

DHD#10 Reportable Disease Data Update

FY2025 Quarter 1 (October 1st - December 31st)

This Reportable Disease Data Update is intended to communicate to DHD#10 healthcare partners, recent trends in communicable diseases and to identify emerging diseases that may impact the DHD#10 community.

Disease News

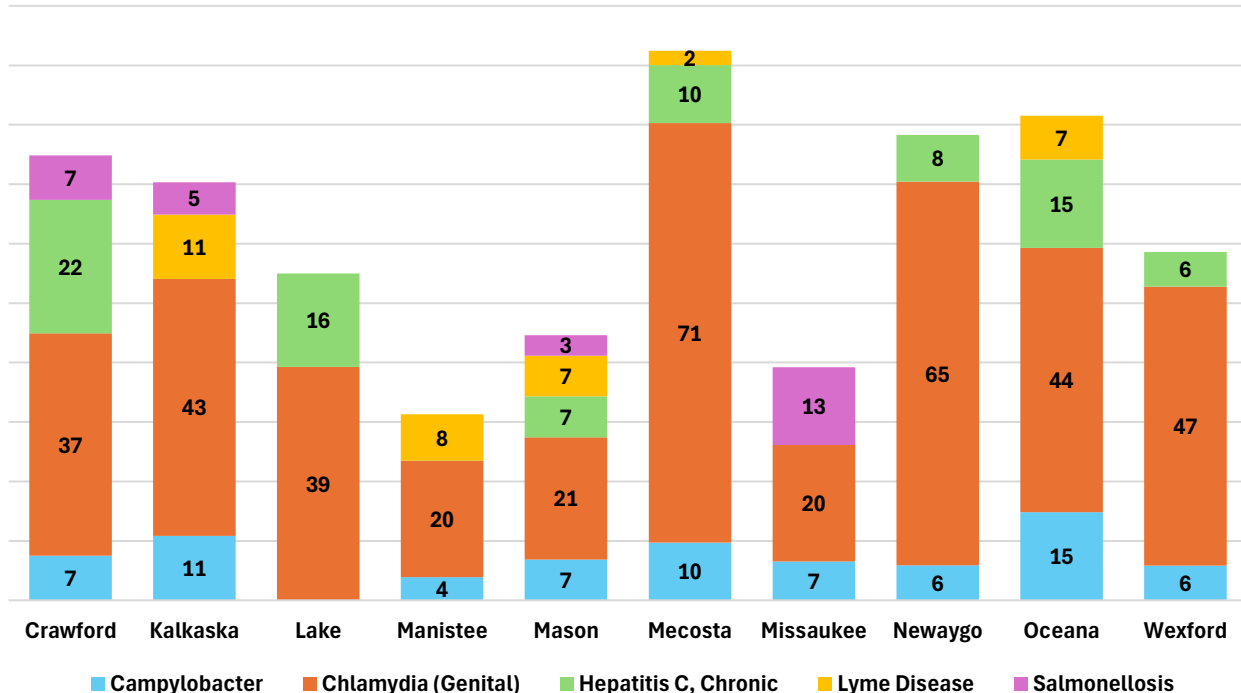
District Health Department #10 and Michigan have seen an increase in Pertussis (also known as Whooping Cough) in 2024, with 99 total cases. Most cases occurred from September through December of 2024. While pertussis outbreaks are not rare, this is the largest outbreak of pertussis in the last decade. People of all ages are at risk of serious illness, however infants and young children are at the highest risk for fatal outcomes.

In DHD#10, 67 of the 99 cases were confirmed and 32 were probable cases. The first case of 2024 in DHD#10 occurred in April, followed by 4 cases in July, 15 in August, 5 in September, 19 in October, 23 in November, and 32 in December. The median age of cases in our jurisdiction was 13 and the age range was less than 1 year old to 63 years old. There was 1 death in 2024, in a case where the patient was less than a year old. The county with the most cases was Newaygo County, with 36% of all DHD#10 pertussis cases. Kalkaska accounted for 13%, Mason and Mecosta accounted for 12% each, and 9% were in Wexford. Crawford, Lake, Manistee, Missaukee, and Oceana had 6 or less cases in each county.

DHD#10 Disease Resources

- [Pertussis \(Whooping Cough\) MDHHS Press Release 11/4/2024](#)
- [DHD#10 Annual Communicable Disease Report](#)
- [Michigan Emerging Disease Issues \(MDHHS\)](#)
- [CDC Emerging Infectious Diseases](#)

FY 2025 Q1 Rates (per 100,000) of Top 5 Conditions by County



Reportable Conditions	FY Q1 (Oct 1 st – Dec 31 st) 2022-2025				FY 2025 (Oct. 1 st 2024 – Sept. 30 th 2025)				
	Q1 2022	Q1 2023	Q1 2024	Q1 2025	Q1	Q2	Q3	Q4	YTD
Enteric Diseases									
Campylobacter	17	31	43	20	20				
Cryptosporidiosis	12	5	7	5	5				
Giardiasis	4	3	7	6	6				
Salmonellosis	16	17	18	5	5				
STEC*	7	4	4	3	3				
Shigellosis				2	2				
Listeriosis			2	1	1				
Norovirus	2	1	1	1	1				
Yersinia enteritis	4	1		4	4				
Respiratory									
Blastomycosis	1	1							
Legionellosis	3	2							
Tuberculosis		1		1	1				
LTBI*	14	8	11	12	12				
Nontuberculous Mycobacterium	2	3	4	6	6				
Coccidioidomycosis	1		3	1	1				
RSV*									
Histoplasmosis	6	2		3	3				
COVID-19	15,901	3,126	2,319	892	892				
Hepatitis									
Hepatitis B, chronic	2	2	2	1	1				
Hepatitis C, acute	1	2							
Hepatitis C, chronic	22	20	23	21	21				
Vaccine Preventable									
Chicken Pox (varicella)		1	5	1	1				
Shingles	3	2	2	2	2				
Pertussis	2		24	74	74				
H. influenzae - invasive	1	2	1						
Sexually Transmitted									
Chlamydia	151	166	128	122	122				
Gonorrhea	30	19	13	16	16				
Vector Borne									
Lyme Disease	30	66	50	9	9				
West Nile Virus									
Anaplasmosis	8	5	2	4	4				
Zoonotic									
Rabies (animals)		1							
Rabies (PEP)	32	222	209	114	114				
Meningitis									
Meningitis - aseptic	1	1	1	1	1				
Meningitis - bacterial other		2	2						
Meningococcal disease									
Other									
Strep* pneumoniae, invasive	4	4	6	11	11				
Strep* disease, inv, Grp A		8	3	2	2				
Candida Auris				1	1				
CPO*	1		3	2	2				
Cyclosporiasis	1								
Rickettsial Disease	1	1							

Note: *Abbreviations: STEC (shiga-toxin e. coli), LTBI (latent tuberculosis infection), RSV (respiratory syncytial virus), Strep (streptococcus), CPO (carbapenemase-producing organism). Case counts include confirmed, probable, suspect cases and active, completed, and completed follow-up.

District Health Department #10 2024-2025 Flu Season

Flu Administered 9/1/24 through 01/16/2025

	VFC / MI-AVP				Private				Grand Total
	Multi vial	PF .5 syr or vial	Flu Mist	Total	Multi vial	PF .5 syr	High Dose	Total	
Crawford	0	17	0	17	169	53	201	423	440
Kalkaska	0	4	0	4	127	40	219	386	390
Lake	0	2	0	2	78	4	144	226	228
Manistee	0	10	0	10	164	25	296	485	495
Mason	0	35	0	35	244	47	448	739	774
Mecosta	13	14	0	27	256	36	291	583	610
Missaukee	0	6	0	6	151	14	183	348	354
Newaygo	0	11	0	11	61	87	170	318	329
Oceana	0	16	0	16	187	50	370	607	623
Wexford	20	22	0	42	354	29	252	635	677
WAWC	0	2	0	2	0	9	0	9	11
SAHC	0	5	12	17	0	31	0	31	48
LC WC	0	3	0	3	0	6	0	6	9
MCE WC	0	5	0	5	0	5	0	5	10
Viking WC	0	2	0	2	0	3	0	3	5
CH WC	0	4	0	4	0	10	0	10	14
MantonWC	0	8	0	8	0	4	0	4	12
TOTALS	33	166	12	211	1,791	453	2574	4,818	5,029

Board of Health

Family Health Home Visiting

1st Quarter FY2025 Report, February 21, 2025

Children’s Special Healthcare Services- Collaboration meetings with Molina and Priority Health Care were made and attended to streamline services provided for clients. Staff provided program materials to 6 outreach events covering 9 of our counties. 340 services were provided by staff, generating \$36,033 in billables. We lost a full time staff member in the end of January, position has been posted to fill the opening.

Healthy Families America- November 26, 2024 the FY25 programmatic site visit from the State Home Visiting Section was done. HFA met 97% of the state expectations. The state noted:

It was a pleasure meeting and speaking with the DHD 10 team. The DHD 10 team demonstrated a passion and dedication for their work and supporting their community! A strength of this team is their ability to build relationships with their families. The DHD 10 team has an 85% retention rate. This is a long-standing team that is connected to the communities that they serve and work to find additional resources to support enrolled families despite significant barriers to care. The DHD 10 team works to gain additional knowledge through professional development in areas that are new or difficult. This team has worked hard to engage in serving families living in hard situations like those currently incarcerated, those in the child welfare system, those experiencing substance use, and those currently unhoused.

The HFA program is now preparing for our yearly Quality Assurance site visit with the Healthy Families America Michigan Multi-site system which will occur in February 2025. During FY25 quarter 1, HFA saw 86 families and completed 529 visits. Lisa Burmeister, the DHD #10 HFA program manager began chairing the quarterly Advisory Council meetings for the HFA and PAT home visiting programs in the state.

Hearing and Vision- The Wexford Hearing and Vision Technician position was filled in October of 2024. October 2024 two techs attended the weeklong State Vision training in Flint. This completed all required trainings for the Mason County Technician and allowed her to start screening on her own in schools in November. January of 2025 the Wexford Hearing and Vision Technician attended and completed the 2 weeklong State hearing course. January 30th the Mason and Wexford County Technicians both had their TAP (State clinic review for Vision). They passed all indicators with no troubles and no corrections from the state, allowing them to not need a 2nd day of review. The Wexford County Technician was able to start screening schools on her own on February 3, 2025.

During FY25 quarter 1, 5,920 vision services were provided with 869 referrals made. 3,868 hearing services were provided with 74 referrals made. School satisfaction surveys have been returned with all positive feedback for the team.

Maternal and Infant Health Program- During FY25 quarter 1, completed 1,723 visits. This was the first quarter for enhanced services billing which are services we were never able to bill for in the past. 36 Care Coordination’s, 4 One Time Additional Visits, 26 Discharge Visits, and 130 Complex Visits were

completed. Current caseload of 563. Some Medicaid Health Plans are still working through the approval of these additional visits.

New Social Worker in Mason County started January 6. Her training is going well and she will be on her own soon. Cross training of Newaygo County WIC RN is underway as well. One of the Mecosta County staff completed her Certified Lactation Specialist course. Both Mecosta County staff are working towards their IBCLC. MIHP and HFA have agreed to take part in a transition project with the state. The project is geared towards helping better prepare children and families for preschool.

MIHP has gone from having numerous State Reviewers to just one. She is just starting and will be doing reviews once Cycle 10 has begun. This will hopefully make reviews for every MIHP in Michigan more consistent. Cycle 10 will be debuting February/March giving MIHP's 30 days to review and will require changes and implementation in June.

Western Michigan Perinatal Collaborative- Selected 15 grantees for the FY25 Advancing Healthy Births Grant. The grants ranged from \$2,931-\$50,000. These grants are to support pregnant woman and children in the area to live healthier lives and have better birthing outcome. The 3 work groups are planning a lot of great work this year. Including commercials to raise awareness of postpartum mood disorders and increase support person's involvement in home visits. Social Media page and website recently launched to promote the collaborative and share it's work. Commissioned MPHI to complete a Birth Equity Assessment to help steer the work of the collaborative.

Respectfully Submitted,

Britney Wright RN, MSN



Family Health WIC Division Board of Health

1st Quarter FY 2025 Report – February 21, 2025

MDHHS WIC Management Evaluation

Our WIC Management Evaluation site visit was conducted by State WIC in September 2024. While our WIC Program met 33 of 34 (97%) of the WIC minimum program requirements and received several special recognitions, we missed one criterion related to follow up documentation on Registered Dietitian care plans. We developed a Corrective Action Plan (CAP) which includes a focused chart audit system engaging WIC Nutritionists in the process. MDHHS WIC has approved our CAP and will follow up with our progress after a 90-day implementation period.

MDHHS WIC Division Receives Community Innovation and Outreach Grant:

Michigan WIC State agency has been awarded WIC Community Innovation and Outreach (CIAO) grant round 2 funding. DHD #10 is one of five local agencies to collaborate with MDHHS on this grant. The WIC CIAO project is part of the USDA Food and Nutrition Service's (FNS) broader WIC program modernization efforts. Through a cooperative agreement with FNS, the Food Research and Action Center will provide technical assistance and project evaluation expertise for the subgrantee projects. CIAO aims to expand community partnerships to increase WIC program awareness, participation, and benefit redemption, and reduce disparities in program delivery. Specifically, Michigan WIC plans to develop and implement local agency WIC Client Ambassador pilot programs. WIC Ambassadors will be employed by the Michigan Public Health Institute. Recruitment will begin once state contracts are negotiated and finalized. We are looking forward to working with the State WIC Division to improve WIC client recruitment, retention, and participation especially among underserved populations.

DHD #10 WIC Partners with University of Michigan (UofM) Special Delivery Grant Study

In December, WIC staff were introduced and trained on the Special Delivery study led by research group at the University of Michigan in the Department of Family Medicine. The aim of the study is to evaluate how to assist first-time pregnant women (ages 14 to 24 years old) enrolled in WIC maintain a healthy diet and achieve desirable prenatal weight gain. Study participants are randomized to one of three groups. Two study groups will receive grocery delivery during pregnancy (in addition to their monthly WIC food benefits) and the third will receive a grocery delivery subscription after pregnancy. Our WIC staff is actively marketing this study opportunity with eligible clients as it coincides with our Nutrition Services Plan (NSP) goal: Women enrolled in DHD #10 WIC will gain their ideal weight during pregnancy (per Institute of Medicine (IOM) standards), thereby preventing high maternal weight gain.

Regional Childhood Lead Poisoning Prevention Program (CLPPP) and Nurse Case Management (NCM) Grants

In October of 2024 DHD #10 hosted our annual Regions 2&3 in person meeting. Participants included representatives from five local health departments (LHD), MDHHS CLPPP State Manager, Angela Medina, and MDHHS Nurse Case Manager (NCM), Julie Fox. Staff distributed multiple communications from MDHHS to LHD CLPPP liaisons in the region, including information about the pending universal blood lead testing rule and law. Heather Howey, Community Health Worker (CHW) and Jessica Grace, NCM completed 83 elevated blood lead level (EBLL) family phone contacts, 48 EBLL outreach education mailings, 16 lost to follow up mailings, and 29 health care provider contacts in efforts to convert capillary draws to venous draws and provide education. Lead prevention educational materials were provided at four major outreach events covering five counties. Social media outreach for Lead Prevention week in October had 461 reaches and 17 reactions.

Staff Development and Recognition

Congratulations to Colleen Unsal, Senior Breastfeeding Peer Counselor for passing the International Board-Certified Lactation Consultant (IBCLC) exam in September! This was a rigorous process including college-level coursework, 1000+ hours of breastfeeding experience, and countless hours of study. 11/2024 - Colleen also received a certificate from National WIC Association (NWA) for Innovative Practices Workplace Lactation Breastfeeding Award. **Jenna Dotson, Mecosta WIC Nutritionist** began the Michigan State University (MSU) Dietetic internship (WIC Cohort) and master’s degree in August and is completing her 16-week clinical dietetics rotation at St. Mary’s hospital in Grand Rapids. After completion of the 16-month internship and master’s degree, Jenna will be eligible to take the Registered Dietitian exam.

Community Outreach

In December, a Posada was held at the Grant Wesleyan church ministry building in Newaygo County at which 120+ families were in attendance. The Posada is a traditional Christmas event for farmworkers and their families at which a light meal is provided, along with coats and winter gear for the children. Families engaged games and raffles while learning about important community resources including public health services and WIC.

FY 2025 WIC Caseload

WIC Measure	Current Mo/Yr	Total Clients	Comparison Mo/Yr	Difference	
				#	%
Resident Enrollment	Jan 25	6,604	Jan 24	- 485	-8.6%
Resident Participation	Dec 24	6,400	Dec 23	-921	-7.2%
Migrant Participation	Dec 24	124	Dec 23	-30	-19.5%

FY 2025 1st Quarter: DHD #10 WIC ENROLLMENT by Clinic and Region

County/Clinic	FY 2025 10/24 – 12/24	FY 2024 10/23 – 12/23	# Clients change	% Change
Crawford	358	382	- 24	- 6.3%
Kalkaska	430	445	- 15	- 3.4%
Missaukee	303	346	- 43	- 12.4%
Wexford	1,099	1124	- 25	- 2.2%
Northern Region	2,190	2,297	- 107	- 4.6%
Lake	258	284	- 26	- 9.2%
Manistee	401	473	- 72	- 15.2%
Mason	554	618	- 64	- 10.4%
Oceana-Hart	687	780	- 93	- 11.9%
Lakeshore Region	1,900	2,155	- 255	- 11.8%
Mecosta	1,097	1,229	- 132	- 10.7%
White Cloud	773	915	- 142	- 15.5%
Grant	780	907	- 127	- 14.0%
Southern Region	2,650	3,051	- 401	- 13.1%
DHD #10 TOTAL	6,740	7,503	- 763	- 10.2%

Several factors have contributed to our decline in WIC client caseload including return to in-person clinic services (in August of 2023), staff turnover, and the lowest birth rates since the 1970’s. With the transition to in-person services, Statewide WIC caseload has also declined. Michigan Closeout Participation was 185,992 clients in September of 2024 - a decrease of over 16,000 clients (-8.0%) as compared to September of 2023. Our WIC staff has been instructed to focus on “in-reach” utilizing available reports and resources to stabilize and rebuild our WIC client caseload. In addition, we are investigating the feasibility of a WIC satellite clinic at the Kaleva Community Center in northern Manistee County. Our team met with Wayne Baldo, Maple Township Supervisor in January to tour the community center to discuss space options for a WIC clinic.

Respectfully Submitted, Anne M. Bianchi, MS, RD, Family Health WIC Director

**Board of Health
School Health Division Report
1st Quarter Report**

MDHHS Site Reviews

MDHHS Site Reviewers spent 2 weeks in November visiting the 6 Clinical School Based Sites. They started at the Shelby Adolescent Health Center, then made their way to the Mason County Eastern Wellness Center, the Chippewa Hills Wellness Center, the Grayling Viking Wellness Center, the Lake City Wellness Center, and the Wexford Adolescent Wellness Center, and then to the Chippewa Hills Wellness Center. We received very positive feedback along with a few required follow-up items. Five of clinics passed and will be reviewed again in 5 years. The Viking Wellness Center’s review is considered “incomplete” until we hire a Medical Clinician, who will be reviewed after 3 months working in the clinic.

SCHOOL HEALTH PROGRAMS FY 2025 Q1							
	UNDUPLICATED STUDENTS SERVED	MEDICAL SERVICES		MENTAL HEALTH Serv.		TOTAL SERVICES	
SCHOOL CLINIC SITE	YTD	CURRENT	YTD	CURRENT	YTD	OCT '24-Sept '25	
CADILLAC SCHOOLS - Medical & Mental Health	106	109	109	104	104	213	
CHIPPEWA HILLS SCHOOLS- Medical & Mental Health	170	174	174	283	283	457	
GRAYLING SCHOOLS - Medical & Mental Health	50	7	7	222	222	229	Vacant Medical Clinician position at this clinic but there were 7 nursing services.
LAKE CITY SCHOOLS - Medical & Mental Health	100	128	128	91	91	219	
MASON COUNTY EASTERN SCHOOLS - Medical & Mental Health	80	96	96	72	72	168	
SHELBY SCHOOLS - Medical & Mental Health	127	140	140	183	183	323	
McBain Schools- Medical (nursing) & Mental Health	131	307	307	159	159	466	
MESICK SCHOOLS - Medical (nursing) & Mental Health	128	177	177	171	171	348	
MANTON SCHOOLS - Medical (nursing) & Mental Health	158	294	294	62	62	356	
BRETHREN SCHOOL - Mental Health	43			258	258	258	
Ludington Schools - Mental Health	33			91	91	91	
Pentwater Schools- Mental Health	14			38	38	38	Had a provider vacancy here, was filled in late Nov.
HART SCHOOLS - Mental Health	37			175	175	175	
TOTALS	1071	1432	1432	1909	1909	3341	

Respectfully, Katy Bies

Report to the Boards of Health

Jennifer Morse, MD, MPH, FAAFP, Medical Director

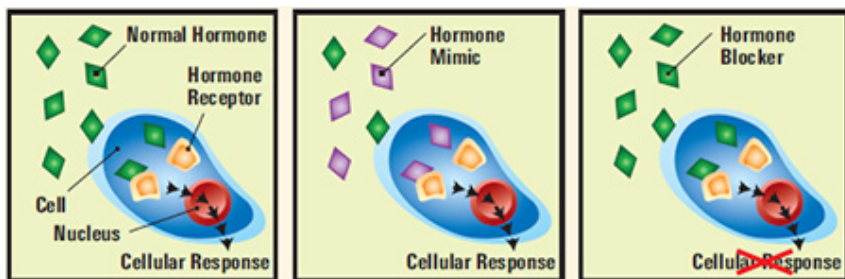
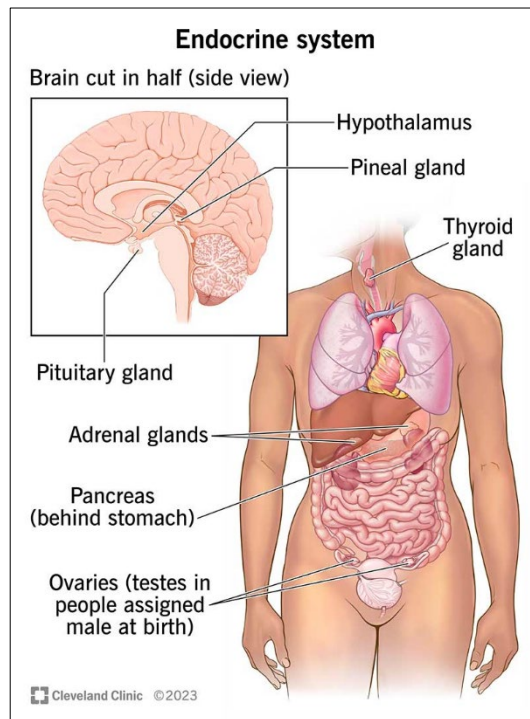
Mid-Michigan District Health Department, Wednesday, February 26, 2025
Central Michigan District Health Department, Wednesday, February 26, 2025
District Health Department 10, Friday, February 28, 2025



Endocrine Disrupting Chemicals

Our endocrine system is made up of many different glands and tissues in our body. It oversees the making and releasing of hormones. Hormones are chemicals that work as signalers, carrying messages to other parts of our body to tell it what to do and when to do it. Hormones are needed for us to live and be healthy. There are many parts to the endocrine system and there are more than 50 different hormones. These hormones affect nearly all parts of our health, such as metabolism, blood pressure, blood sugar, fluid and electrolyte balance, growth and development, sexual development, reproduction, sleep, and mood.

Endocrine-disrupting chemicals (EDCs) are things that are found in our environment (air, soil, or water), food, or man-made products that can affect or interfere with the normal function of our endocrine system. EDCs can affect the endocrine system in many different ways. They can interfere with the production, release, transport, binding, action, or elimination of our hormones.



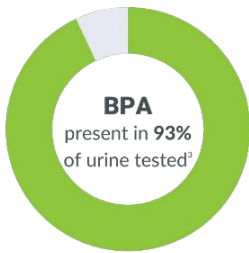
When absorbed in the body, an endocrine disruptor can decrease or increase normal hormone levels (left), mimic the body's natural hormones (middle), or alter the natural production of hormones (right).

The most concerning aspect of EDCs is that they can act like uncontrolled medicines or drugs in the body. EDCs have been linked to many different problems, including changes in sperm quality and fertility, abnormalities in sex organs, endometriosis, early puberty, problems with nervous system function, immune function, certain cancers, respiratory problems, metabolic issues, diabetes, obesity, cardiovascular problems, growth, neurological and learning disabilities, and more.

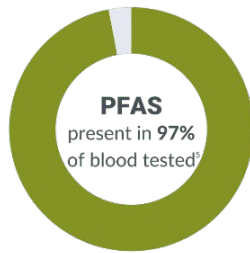
There are nearly 85,000 man-made chemicals in the world and 1,000 or more could be EDCs. The most common and well-studied are listed below.



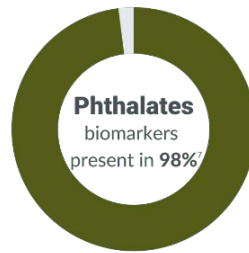
Endocrine-Disrupting Chemicals	Description
Atrazine	One of the most commonly applied herbicides in the world, often used to control weeds in corn, sorghum, and sugarcane crops.
Bisphenol A (BPA)	Used to make polycarbonate plastics and epoxy resins. It is used in manufacturing, food packaging, toys, thermal printed receipts, and other applications. BPA resins may be found in the lining of some canned foods and beverages.
Dioxins	A byproduct of certain manufacturing processes, such as herbicide production and paper bleaching. They can be released into the air from waste burning and wildfires.
Parabens	Ingredients that may be found in sunscreen, hair lotion, hair relaxer, root stimulator, leave-in conditioner, hot oil.
Perchlorate	Colorless salt manufactured and used as an industrial chemical to make rockets, explosives, and fireworks, which can be found in some groundwater.
Per- and polyfluoroalkyl substances (PFAS)	A large group of chemicals used widely in industrial applications, such as firefighting foam, nonstick pans, paper, and textile coatings.
Phthalates	A large group of compounds used as liquid plasticizers to make plastics more flexible. They are found in hundreds of products including some food packaging, cosmetics, fragrances, children's toys, and medical device tubing. Cosmetics that may contain phthalates include nail polish, hair spray, aftershave lotion, cleanser, and shampoo.
Phytoestrogens	Naturally occurring substances with hormone-like activity found in some plants; they may have a similar effect to estrogen produced by the body. Soy foods, for example, contain phytoestrogens.
Polybrominated diphenyl ethers (PBDE)	Used to make flame retardants for products such as furniture foam and carpet. The most persistent PBDE have been phased out, but newer, less persistent brominated flame retardants are still being used for this purpose.
Polychlorinated biphenyls (PCBs)	Were used to make electrical equipment, such as transformers, and are in hydraulic fluids, heat transfer fluids, lubricants, and plasticizers. PCBs were mass-produced globally until they were banned in 1979 but 100% of the U.S. population has detectable levels of this chemical because they are so persistent.
Polybrominated biphenyls (PBB)	Formerly used as additive flame retardants in synthetic fibers and molded plastics products, PBB were also used to make products such as computer monitors, televisions, textiles, and plastic foams difficult to burn. In 1973, the Michigan Chemical Corporation in St. Louis, Michigan, caused the largest food contamination event in U.S. history when it shipped polybrominated biphenyl (PBB), a chemical flame retardant, instead of a nutritional supplement to be mixed into livestock feed. The event remains the worst case of accidental contamination in agricultural history. PBB was able to pass from mother to child in the womb and through breastmilk so many in Michigan still have elevated PBB levels today.
Triclosan	An ingredient that was previously added to some antimicrobial and personal care products, like liquid body wash and soaps.



The EPA reports that biomonitoring shows that BPA exposure is prevalent in the US.⁴



The CDC's National Health and Nutrition Examination Survey (NHANES) found PFAS in the blood of 97% of Americans.⁵










Biomarkers of phthalates exposures are detected in greater than 98% of US women and children.⁷

Many EDCs can remain intact in the environment for long periods of time, for example PFAS. Some, like BPA, break down in the environment. Others can build up or accumulate in a person or may build up along the food chain (called biomagnification). For example, DDT was banned in 1972 but 100% of blood samples taken mothers in 2003 had detectable levels of DDE, the most common break-down product (or metabolites) of DDT.

Once in our body, EDCs are usually broken down by our liver. Many EDCs are stored in our fat tissue and can stay in our body for years. Others are stored in the liquid parts of our bodies and are flushed out more quickly. People are most likely to be harmed by EDCs during sensitive life stages when there are critical periods of development, such as pregnancy when there is fetal development, and early life.

The amount of exposure we have to EDCs is also important. Different types of jobs and lifestyles can cause more risks of exposure.

Health Concerns for EDC Exposure in High-Risk Occupations

Occupation	Potential EDC Exposures	Health Concerns
 Farm Worker	Pesticides	<ul style="list-style-type: none"> • Cancers • Respiratory system diseases • Congenital malformation • Thyroid dysfunction • Immunotoxicity • Neurological & developmental toxicity • Endocrine system disruption
 Firefighter	Flame retardants & toxic by-product from burning	<ul style="list-style-type: none"> • Cancers - PCBs considered probable carcinogens by DHHS and EPA. Classified as carcinogens by IARC. • Chloracne disrupted reproductive function • Neurobehavioral & developmental deficits in newborns • Thyroid hormone toxicity • Increased risk of diabetes mellitus • Increased liver enzymes • Cytochrome P450 induction
 Mortuary Services & Laboratory Staff	Solvents & Formaldehyde	<ul style="list-style-type: none"> • Asthma-like respiratory problems • Dermatitis • Cancers
 Healthcare Worker	Antineoplastic drugs, Disinfectants, Epoxies, Resins	<ul style="list-style-type: none"> • Pneumonitis • Hypersensitivity • Allergic dermatitis • Asthma • Cancers
 Veterinary Staff	Antineoplastic drugs, Disinfectants, Pesticides	<ul style="list-style-type: none"> • Pneumonitis • Hypersensitivity • Allergic dermatitis • Asthma • Cancers
 Veteran or Active Service Member	Pesticides, Industrial Solvents, Burn Pits, Flame retardants, Herbicides	<ul style="list-style-type: none"> • Cancers • Respiratory diseases • Thyroid dysfunction • Reproductive system problems
 Artisan, Industrial Worker/ Material Handler, Salon Worker, Transportation Industry and Maintenance	Epoxies, Resins, Solvents, Heavy Metals	<ul style="list-style-type: none"> • Allergic dermatitis • Birth defects in laboratory animals • Reduced sperm counts in men • Cancers • Neurologic effects

Sources:

- <https://www.osha.gov/sites/default/files/publications/osh3162.pdf>
- <https://www.cdc.gov/niosh/docs/c2009/01/hazardousamples.html>
- <https://www.publichealth.gov/newsroom/releases/chemicals/2014/04/2014-04-23-chemicals.html>
- <https://www.epa.gov/osha/2014/04/23/2014-04-23-chemicals>

Resources:

- Endocrine-Disrupting Chemicals (EDCs): What You Need To Know (from Endocrine Society, PDF) https://www.endocrine.org/-/media/endocrine/files/patient-engagement/hormones-and-series/hormones_and_edcs_what_you_need_to_know.pdf
- Endocrine Disrupting Chemicals (EDCs) Video explanation from Endocrine Society and Hormone Health Network <https://www.youtube.com/watch?v=ibfAF66JzFE>
- What are endocrine disruptors (from U of M Lifestage Environmental Exposures and Disease Center, PDF) https://mleead.umich.edu/files/What_Are_Endocrine_Disruptors_2024.pdf
 - Additional Environment health resources here https://mleead.umich.edu/Community_Engagement_Core_Resources.php
- EPA Safer Choice product lists <https://www.epa.gov/saferchoice>
- Detox Me app <https://silentspring.org/detox-me-app-tips-healthier-living>
- PFAS Exchange <https://pfas-exchange.org/>
 - What's my exposure? <https://www-pfas.pfas-exchange.org/report/graphtool/>
 - Resources <https://pfas-exchange.org/resources/>
- Michigan PFAS Action Response Team (MPART) <https://www.michigan.gov/pfasresponse>
 - FAQ <https://www.michigan.gov/pfasresponse/faq>
- PBB
 - Emory University PBB Registry <https://sph.emory.edu/pbbregistry/index.html>
 - Michigan PBB Oral History Project <https://sph.emory.edu/pbbregistry/studies-resources/oral-history-project/index.html>
 - Other resources <https://sph.emory.edu/pbbregistry/studies-resources/other-resources/index.html>
 - Includes information and links to Bitter Harvest, a personal story of the PBB contamination event written by Frederic and Sandra Halbert later turned into a movie starring Ron Howard, the book The Poisoning of Michigan by Joyce Egginton, investigative journalist, and others.
- Video of the symposium: "From PBB to PFAS: Research and Action to Address Michigan's Large-Scale Chemical Contaminations", at the University of Michigan, February 20, 2020. <https://www.youtube.com/playlist?list=PLt4u9Gmt5Xu18jrOQBfcg3MZClie2zUJ>
- NIH National Institute of Environmental Health Sciences. How can you reduce health effects of endocrine-disrupting chemicals? <https://factor.niehs.nih.gov/2024/7/science-highlights/endocrine-disruptors>

Recommendations:

1. Try to avoid unnecessary, preventable exposure to EDC-containing products. Experts suggest avoiding microwaving food in plastics to avoid leaching of EDCs into food, choosing personal care products and cleaners that are unscented, and replacing older non-stick pans with newer, ceramic-coated ones. These precautions are especially important if you are pregnant or planning a family.
2. Support continued regulation and environmental cleanup of known endocrine disruptors.
3. Keep in mind it is the combined effect, or cumulative impact, of all the environmental exposures, social and economic conditions, as well as personal risk factors that may increase someone's likelihood of experiencing harm. See https://mleead.umich.edu/files/Cumulative_Impact_2023.pdf and <https://www.michigan.gov/egle/maps-data/miejscreen> for more information.

Sources

- Cleveland Clinic. Endocrine System. <https://my.clevelandclinic.org/health/body/21201-endocrine-system>
- National Institute of Environmental Health Sciences. Endocrine Disruptors. <https://www.niehs.nih.gov/health/topics/agents/endocrine>
- Emory University Provider CME Course. Endocrine Disrupting Chemicals: Uncontrolled Medicine in Your Patient for Providers.
- As listed above.

**BOARD OF HEALTH
Health Officer Report**
February 21, 2025

1. **Epi Team Update:** Information on current case counts, vaccination efforts, outbreaks and other CD related issues will be shared at the meeting.
2. **PFAS Update:** Site specific updates will be shared at the Board meeting based upon recent and ongoing developments.
3. **Enforcement Actions:** Updates on recent enforcement actions taken by DHD#10 will be shared at the meeting.
4. **Prosecutor Meetings:** I had shared at last month meeting that these would be starting. To date we have met with the County Prosecutor for Kalkaska, Manistee, Missaukee, Newaygo, Oceana and Wexford.
5. **All Leadership Team Training:** At the February 6th All Leadership Team meeting, Mark Uyl, Executive Director at the Michigan High School Athletic Association, provided the training, Verbal Judo to staff. Verbal Judo is a de-escalation process which has been used by both sports officials and other professionals to address difficult situations.
6. **Annual DHD#10 Update to County Boards of Commissioners:** The annual updates to each County Board of Commissioners have been scheduled and will begin in April.

Respectfully submitted:

Kevin Hughes, MA
Health Officer