

BOARD OF HEALTH

Notice of Meeting

Meeting will be held at:
9:30 a.m. Friday, August 23, 2024
Wexford County Health Department
521 Cobb St., Cadillac, MI 49601

AGENDA

- A. Call to Order** (*Richard Schmidt, Chair*)
- B. Roll Call**
- C. Review and Approval of the Agenda** 1
- D. Review and Approval of the Board of Health Meeting Minutes - July 26, 2024** 3
- E. Public Comment**
- F. Committee Reports**
 - 1. Executive Committee (*Richard Schmidt*)
 - 2. Finance Committee (*Bryan Kolk*)
 - a. Finance Report..... 7
 - b. Approve Accounts Payable and Payroll (*Action Item*)
 - 3. Personnel Committee (*Bob Baldwin*)
 - 4. Legislative Committee (*Nick Krieger*)
- G. Board of Health Presentation**
 - Presentation to the Board of Health
- H. Division Reports**
 - 1. Community Health Division Report (*Christy Rivette*) 15
 - 2. Environmental Health Division Report (*Max Bjorkman*)..... 21
 - 3. School Wellness (*Kay Bies*)..... 23
- I. Administration Reports**
 - 1. Medical Director (*Dr. Jennifer Morse, MD*)..... 29
 - 2. Deputy Health Officer (*Sarah Oleniczak*)
 - 3. Health Officer (*Kevin Hughes*) 32
- J. Other Business**
- K. Next Board of Health Meeting**
 - September 27, 2024 at 9:30 a.m.
- L. 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

Monthly Meeting: July 26, 2024, 9:30 a.m.

521 Cobb St, Cadillac, MI

Meeting Minutes

I. Call to Order.....Richard Schmidt, Chair

II. Roll Call

Members Present – In Person: *Robert Baldwin, Richard Schmidt, Jeff Dontz, Ron Bacon, Nick Krieger, Tom O’Neil, Ray Steinke, Roger Ouwinga, Bryan Kolk, Julie Theobald, Gary Taylor, Phil Lewis, Kristine Raymond, James Sweet, Paul Erickson*

Staff Present - In Person: *Kevin Hughes, Christine Lopez, Megan Kujawa, Sheila Parker, Britney Wright*

Members Excused: *Jim Maike, Robert Walker*

Members Absent: *Shawn Kraycs, Dawn Fuller, Star Hughston*

Guests: *None.*

III. Review and Approval of the Agenda: Motion by Bryan Kolk, second by Ron Bacon to approve the meeting agenda.

Motion Carried

IV. Review and Approval of Board of Health Meeting Minutes: Motion by Ray Steinke, second by Ron Bacon to approve the minutes of the June 28, 2024, meeting.

Motion Carried

V. Public Comment: N/A

VI. Committee Reports

A. Executive Committee - Richard Schmidt, Committee Chair, deferred to Kevin. Kevin stated the committee did not meet and did not foresee needing to have a meeting soon.

B. Finance Committee - Bryan Kolk, Committee Chair, mentioned that the Finance Committee Meeting is scheduled for August 19, 2024, at 1pm in Cadillac. He stated the committee did not meet. Deferred to Christine Lopez.

- Finance Report - Christine Lopez presented the finance report for June 30, 2024. Cash balance is \$13.57 million, total assets and liabilities of \$16.69 million, with an increase in fund balance of \$180,684.37. YTD total revenue \$20.88 million, and YTD expenses of \$20.70 million. The current cash balance as of July 18, 2024, is \$14.5 Million. Accounts Payable & Payroll totaled \$1,937,871.

Approve Accounts Payable and Payroll: Motion by Ron Bacon, seconded by Bob Baldwin to approve accounts payable and payroll in the amount of \$1,937,871.

Roll Call

<i>Robert Baldwin</i>	<i>Yes</i>	<i>Phil Lewis</i>	<i>Yes</i>
<i>Richard Schmidt</i>	<i>Yes</i>	<i>Jeff Dontz</i>	<i>Yes</i>
<i>Ron Bacon</i>	<i>Yes</i>	<i>Nick Krieger</i>	<i>Yes</i>
<i>Tom O'Neil</i>	<i>Yes</i>	<i>Ray Steinke</i>	<i>Yes</i>
<i>Roger Ouwinga</i>	<i>Yes</i>	<i>Bryan Kolk</i>	<i>Yes</i>
<i>Kristine Raymond</i>	<i>Yes</i>	<i>James Sweet</i>	<i>Yes</i>
<i>Julie Theobald</i>	<i>Yes</i>	<i>Gary Taylor</i>	<i>Yes</i>
<i>Paul Erickson</i>	<i>Yes</i>		

Motion Carried

C. **Personnel Committee** - Bob Baldwin, Committee Chair, stated they did not meet. Kevin Hughes presented.

- The Personnel Committee will meet at 10am on September 20, 2024, in Cadillac.
 - Health Insurance Rates will be presented
 - Survey to be presented on childcare stipend results
- Exempt to Non-Exempt category – IRS rule – January 1, 2025. Salary less than \$58,600 will be moved to non-exempt category and will be paid 1.5x for OT vs receiving comp time. This has been challenged in Texas. More information to follow. Discussion on employment regulations was held.

D. **Legislative Committee** - Nick Krieger, Committee Chair, stated nothing to report. Kevin Hughes reported on the following:

- Version 4 of Statewide sanitary code. Version 5 is being worked on. Waiting to see if any changes requested were included.
- State budget has been signed. Additional H&V funds, ELPHS at same level, increased oral health screening funding. Flexible funding was advocated for and Rep. Vanderwall was supportive.

VII. Board of Health Presentation – Beach Monitoring Program, Meghan Stih, EH Supervisor

A. Meghan provided a report on the Environmental Health Surface water monitoring program.

- Great Lakes Beaches monitoring
- Bear and Portage Lake surface water monitoring project
- Harmful Algal Bloom Testing project

VIII. Division Reports

A. Family Health Clinical, Sheila Parker

A report on communicable disease, family planning, STD/HIV and the BCCCP program was shared. There are six confirmed cases of measles in Michigan. A measles card about vaccinations was developed and shared with the providers in our area. Telehealth is available for people with barriers. PrEP (Pre-Exposure Prophylaxis) is now available at the Wexford and Mecosta offices. PrEP is a medication that can help prevent HIV infection. Immunization clinics will be increasing in October with the upcoming flu season.

B. Family Health Home Visiting, Britney Wright

The Maternal and infant health program did well during the state review. They met 97% of the indicators. The report also included information on the Healthy Families America program, lead case management, children's special health care and hearing and vision.

C. Family Health WIC, Anne Bianchi not present

The WIC report was shared. The produce connection program is delayed due to changes. This was formerly known as Project Fresh. The WIC Community Partnership grant has been well received.

IX. Administration Reports

A. Medical Director - Dr. Jennifer Morse, MD not present

B. Deputy Health Officer - Sarah Oleniczak not present

Kevin shared the report. Topics included Public Health WINS, NACCHO 2024

C. Health Officer - Kevin Hughes

Kevin provides updates on the EPI Team. The month has been busy with CD related issues. There are three confirmed cases of legionella.

The Army National Guard has adopted the PFAS levels of the EPA. Residents have been offered bottled water from the national guard. MDHHS made the decision that the residents can continue using their filter systems. A municipal system is in the works. Residents will have to choose if they want to connect to the system.

Kevin shared that staff attended the NACCHO conference in Detroit. Key takeaways were the topics of workforce development, AI, and equity.

Timberly Village order of unfit for human habitation continues. The order may be rescinded following the July 29 update meeting?

Kevin shared that the agency had received a follow-up letter from an Engineering Firm regarding a prior issue in Kalkaska.

The continuation agreement for epidemiology services between DHD#10, Central Michigan District Health Department and Mid-Michigan District Health Department was included in the packet. Motion by Nick Krieger, seconded by Ray Steinke to approve. Roll Call Vote. *Motion carried*

Roll Call

<i>Robert Baldwin</i>	<i>Yes</i>	<i>Phil Lewis</i>	<i>Yes</i>
<i>Richard Schmidt</i>	<i>Yes</i>	<i>Jeff Dontz</i>	<i>Yes</i>
<i>Ron Bacon</i>	<i>Yes</i>	<i>Nick Krieger</i>	<i>Yes</i>
<i>Tom O'Neil</i>	<i>Yes</i>	<i>Ray Steinke</i>	<i>Yes</i>
<i>Roger Ouwinga</i>	<i>Yes</i>	<i>Bryan Kolk</i>	<i>Yes</i>
<i>Kristine Raymond</i>	<i>Yes</i>	<i>James Sweet</i>	<i>Yes</i>
<i>Julie Theobald</i>	<i>Yes</i>	<i>Gary Taylor</i>	<i>Yes</i>
<i>Paul Erickson</i>	<i>Yes</i>		

Data on the septic loan replacement program was shared.

- X. Other Business:** Paul Erickson distributed The Oceana Echo newspaper.
- XI. Next Board of Health Meeting:** August 23, 2024, 9:30 a.m.
- XII. Adjournment:** Motion by Bob Baldwin, support by Nick Krieger to adjourn the meeting. Richard Schmidt adjourned the meeting at 10:48a.m.

Richard Schmidt, Chair

Date

Ron Bacon, Secretary

Date

District Health Department #10
Balance Sheet
July 31, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

F.2.a.

Assets

Current Assets

Cash 14,159,405.03
Due From State 1,911,399.98

Due From Others 609,073.04

Total Current Assets 16,679,878.05

Other Assets

Inventory 276,050.00

Prepaid Expense 433,742.09

Total Other Assets 709,792.09

Total Assets 17,389,670.14

Liabilities

Current Liabilities

Accounts Payable 261,685.64

Payroll Taxes/Deductions Due 85,994.65

Accrued Wages 751,526.56

Total Current Liabilities 1,099,206.85

Other Liabilities

Deferred Revenue 6,992,975.78

Total Other Liabilities 6,992,975.78

Total Liabilities 8,092,182.63

Fund Balance

Fund Balance 8,891,494.72

Increase(Decrease) in Fund Balance 405,992.79

Total Fund Balance 9,297,487.51

Liabilities and Fund Balance 17,389,670.14

District Health Department #10
Statement of Revenues and Expenditures
As of July 31, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

	Current Month	YTD Actual	Budget	Total Budget Variance	Percent Budget Remaining
Revenues					
State & Federal Funding					
Administration					
Agency	0.00	0.00	716,670.00	716,670.00	(100.00) %
CHIR SDoH Community Info Exchange	8,769.00	58,636.00	19,431.00	(39,205.00)	201.76 %
CJS Alliance	1,673.00	13,375.00	23,466.00	10,091.00	(43.00) %
Cross Jurisdictional Sharing Admin	111.00	12,457.00	44,530.00	32,073.00	(72.02) %
ELPHS - Admin	2,745.00	225,000.00	0.00	(225,000.00)	100.00 %
Emergency Preparedness	15,619.00	144,676.00	176,876.00	32,200.00	(18.20) %
Medicaid Outreach	18,851.00	196,615.00	292,007.00	95,392.00	(32.66) %
North Central Network Collaboration	0.00	0.00	34,044.00	34,044.00	(100.00) %
Public Health Workforce	0.00	116,290.00	110,000.00	(6,290.00)	5.71 %
SDoH Accelerator Grant	0.00	41,056.00	41,056.00	0.00	0.00 %
Stigma Campaign - Newaygo County	0.00	0.00	6,698.00	6,698.00	(100.00) %
Strengthening Public Health Workforce	1,465.00	67,499.00	176,000.00	108,501.00	(61.64) %
Substance Use Stigma Assessment SSAR	0.00	108,945.55	108,945.00	(0.55)	0.00 %
Total Administration	49,233.00	984,549.55	1,749,723.00	765,173.45	(43.73) %
Clinical					
COVID Immunizations	0.00	281,371.00	281,371.00	0.00	0.00 %
Communicable Disease	0.00	281,331.00	281,331.00	0.00	0.00 %
ELC Contact Tracing and Wraparound	46,285.00	530,507.00	704,286.00	173,779.00	(24.67) %
Family Planning	0.00	414,508.00	414,508.00	0.00	0.00 %
Imms Vaccine Quality Assurance VQA	0.00	54,660.00	54,660.00	0.00	0.00 %
Immunization Site Visits VFC/INE	12,050.00	23,275.00	15,000.00	(8,275.00)	55.16 %
Immunizations	21,697.92	229,276.70	528,807.00	299,530.30	(56.64) %
Immunizations Action Plan - IAP	9,447.00	102,151.00	113,694.00	11,543.00	(10.15) %
STI Clinics	0.00	125,000.00	125,000.00	0.00	0.00 %
Total Clinical	89,479.92	2,042,079.70	2,518,657.00	476,577.30	(18.92) %
Community Health					
Breast Cervical Cancer Control Program	20,151.00	73,553.00	78,402.00	4,849.00	(6.18) %
CCL Community Connections	197,486.00	419,231.00	333,306.00	(85,925.00)	25.77 %
Dental Sealants	0.00	25,006.00	29,000.00	3,994.00	(13.77) %
HIV Prevention	4,077.00	26,270.00	45,000.00	18,730.00	(41.62) %
Harm Reduction Support	14,871.00	113,589.00	160,000.00	46,411.00	(29.00) %
Kindergarten Oral Health Assessment	14,131.00	78,786.00	98,308.00	19,522.00	(19.85) %
Live Well Reach Grant	33,802.00	244,789.00	719,008.00	474,219.00	(65.95) %
Tobacco Grant	10,189.00	38,809.00	40,000.00	1,191.00	(2.97) %
Wisewoman Coordination	0.00	26,875.00	26,875.00	0.00	0.00 %
Total Community Health	294,707.00	1,046,908.00	1,529,899.00	482,991.00	(31.57) %
Environmental Health					
Beach Monitoring	9,160.06	9,160.06	20,000.00	10,839.94	(54.19) %
Beach Monitoring - Inland Lakes	0.00	6,796.80	10,788.00	3,991.20	(36.99) %
Campgrounds	0.00	7,978.00	23,600.00	15,622.00	(66.19) %
Drinking Water	11,988.00	414,517.00	935,342.00	520,825.00	(55.68) %
Food Service	0.00	464,237.00	464,237.00	0.00	0.00 %
Long Term Groundwater Monitoring	0.00	816.00	7,700.00	6,884.00	(89.40) %
Non Community Water	59,523.00	592,394.00	798,197.00	205,803.00	(25.78) %
On-Site Sewage - Land Application	0.00	1,840.00	12,200.00	10,360.00	(84.91) %
On-Site Sewage - Septic Systems	36,317.00	676,948.00	873,959.00	197,011.00	(22.54) %

District Health Department #10
Statement of Revenues and Expenditures
As of July 31, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

	Current Month	YTD Actual	Budget	Total Budget Variance	Percent Budget Remaining
PFAS Eagle Ottawa Farm	0.00	147.00	1,476.00	1,329.00	(90.04) %
PFAS Grayling Water Recovery	9,502.00	64,459.00	118,925.00	54,466.00	(45.79) %
PFAS Kalkaska	53.00	2,018.00	3,451.00	1,433.00	(41.52) %
PFAS Ludington WWTP	0.00	106.00	1,476.00	1,370.00	(92.81) %
PFAS Rothbury	53.00	630.00	37,661.00	37,031.00	(98.32) %
PFAS Wexford Missaukee CTC	53.00	1,214.00	40,619.00	39,405.00	(97.01) %
Pools & Spas	0.00	5,562.00	18,110.00	12,548.00	(69.28) %
Total Environmental Health	126,649.06	2,248,822.86	3,367,741.00	1,118,918.14	(33.22) %
Home Visiting					
CSHCS Care Coordination Case Manager	0.00	74,565.02	125,000.00	50,434.98	(40.34) %
CSHCS Vaccine Initiative	0.00	11,447.00	11,447.00	0.00	0.00 %
Children's Special Health Care Services	83,873.00	300,638.00	340,956.00	40,318.00	(11.82) %
HFA FFPSA	12,643.00	110,381.00	130,000.00	19,619.00	(15.09) %
Healthy Families America Grand Traverse	17,602.00	189,553.00	200,142.00	10,589.00	(5.29) %
Hearing	0.00	76,808.00	76,808.00	0.00	0.00 %
Lead Home Visiting	0.00	1,552.18	3,000.00	1,447.82	(48.26) %
MCH Women	13,038.00	127,562.00	183,560.00	55,998.00	(30.50) %
MI Home Visiting IRE (HFA)	49,732.00	526,707.00	569,651.00	42,944.00	(7.53) %
Regional Perinatal Care System	137,870.00	573,768.00	1,280,021.00	706,253.00	(55.17) %
Vision	0.00	76,808.00	76,808.00	0.00	0.00 %
Total Home Visiting	314,758.00	2,069,789.20	2,997,393.00	927,603.80	(30.94) %
School Health					
Brethren High School Mental Health Grant	17,376.00	112,710.00	140,000.00	27,290.00	(19.49) %
Chippewa Hills Clinical AHC	29,547.00	263,502.00	275,000.00	11,498.00	(4.18) %
Hart High School Mental Health Grant	14,326.00	122,706.00	140,000.00	17,294.00	(12.35) %
Lake City Clinical AHC	0.00	180,000.00	180,000.00	0.00	0.00 %
Ludington Schools Mental Health Grant	14,566.00	115,544.00	140,000.00	24,456.00	(17.46) %
MI Safer Schools HRA	60,816.00	793,131.00	1,162,000.00	368,869.00	(31.74) %
Mason County Eastern AHC	18,001.00	179,897.00	180,000.00	103.00	(0.05) %
Pentwater Schools Mental Health Grant	14,210.00	100,198.00	140,000.00	39,802.00	(28.43) %
School Wellness - Manton	28,744.00	28,744.00	0.00	(28,744.00)	100.00 %
School Wellness - McBain	13,874.00	201,395.00	200,000.00	(1,395.00)	0.69 %
Total School Health	211,460.00	2,097,827.00	2,557,000.00	459,173.00	(17.95) %
WIC					
Lead Testing	0.00	10,000.00	10,000.00	0.00	0.00 %
Prosperity Grant/CLPP	0.00	40,000.00	40,000.00	0.00	0.00 %
WIC Migrant	11,274.00	85,456.00	98,000.00	12,544.00	(12.80) %
WIC Peer Counselor	0.00	297,969.00	297,969.00	0.00	0.00 %
WIC Resident	134,656.00	1,570,745.00	1,570,745.00	0.00	0.00 %
Total WIC	145,930.00	2,004,170.00	2,016,714.00	12,544.00	(0.62) %
Total State & Federal Funding	1,232,216.98	12,494,146.31	16,737,127.00	4,242,980.69	(25.35) %
Other Funding					
Administration					
Agency	0.00	0.00	68,127.00	68,127.00	(100.00) %
CHA Needs Assessment	0.00	0.00	40,000.00	40,000.00	(100.00) %
CHIR SDoH Community Info Exchange	0.00	0.00	115,000.00	115,000.00	(100.00) %
Employee Wellness Program	0.00	5,000.00	5,000.00	0.00	0.00 %
Finance	12,179.00	41,697.00	113,000.00	71,303.00	(63.10) %

District Health Department #10
Statement of Revenues and Expenditures
As of July 31, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

	Current Month	YTD Actual	Budget	Total Budget Variance	Percent Budget Remaining
MCDC	13,410.00	136,681.18	160,920.00	24,238.82	(15.06) %
Media and Marketing	0.00	4,100.00	4,000.00	(100.00)	2.50 %
Michigan Center for Rural Health	0.00	0.00	3,009.00	3,009.00	(100.00) %
North Central Network Collaboration	0.00	2,530.87	2,531.00	0.13	0.00 %
Rotary Charities LC	6,554.00	52,219.00	75,000.00	22,781.00	(30.37) %
Stigma Campaign - Newaygo County	2,570.00	10,822.00	15,000.00	4,178.00	(27.85) %
Total Administration	34,713.00	253,050.05	601,587.00	348,536.95	(57.94) %
Clinical					
CD Billing Counties	0.00	1,649.32	3,000.00	1,350.68	(45.02) %
Communicable Disease	0.00	425.00	0.00	(425.00)	100.00 %
Immunizations	0.00	0.00	200,000.00	200,000.00	(100.00) %
Total Clinical	0.00	2,074.32	203,000.00	200,925.68	(98.97) %
Community Health					
ARPA Missaukee - NMRE	0.00	1,279.00	2,294.00	1,015.00	(44.24) %
ARPA Wexford - NMRE	0.00	2,140.00	5,089.00	2,949.00	(57.94) %
CCL Community Connections	0.00	0.00	31,381.00	31,381.00	(100.00) %
CDC National Diabetes Prevention Program	0.00	56,000.00	56,000.00	0.00	0.00 %
COVID Health Disparities - Rural Health	18,451.11	104,162.00	111,711.00	7,549.00	(6.75) %
COVID Prevention Missaukee	0.00	6,782.00	8,342.00	1,560.00	(18.70) %
COVID Prevention Wexford	0.00	17,537.00	17,389.00	(148.00)	0.85 %
Coalition Capacity Building Lake	0.00	28,731.00	30,047.00	1,316.00	(4.37) %
Coalition Capacity Building Manistee	0.00	17,150.00	31,866.00	14,716.00	(46.18) %
Coalition Capacity Building Mason	0.00	25,868.00	28,100.00	2,232.00	(7.94) %
Community Health	4,150.00	9,507.00	11,500.00	1,993.00	(17.33) %
Dental Outreach	0.00	144.55	0.00	(144.55)	100.00 %
Deterra Disposal & Medication Lock Box	0.00	9,000.00	9,000.00	0.00	0.00 %
Gambling Disorder Prevention Project	6,079.00	24,365.00	32,000.00	7,635.00	(23.85) %
Good Housing Good Health Grant	79,152.00	131,922.00	140,699.00	8,777.00	(6.23) %
Headway Coalition	10,480.00	105,675.00	125,000.00	19,325.00	(15.46) %
Interconnected MH System-Mason	63,003.00	137,129.00	156,722.00	19,593.00	(12.50) %
Kalkaska Memorial Health Center CHW	0.00	46,598.60	102,459.00	55,860.40	(54.51) %
LRE ARPA Prevention	4,190.00	14,766.00	14,766.00	0.00	0.00 %
Mesick School based CHW Grant	0.00	0.00	53,000.00	53,000.00	(100.00) %
Oceana LEADS DFC	15,219.00	109,455.00	116,702.00	7,247.00	(6.20) %
Opioid Settlement Wexford	0.00	747.00	0.00	(747.00)	100.00 %
Prevention Grant Missaukee	2,128.00	15,643.00	15,051.00	(592.00)	3.93 %
Prevention Grant Wexford	4,002.00	35,544.00	36,136.00	592.00	(1.63) %
Prevention Lake	0.00	15,565.00	16,875.00	1,310.00	(7.76) %
Prevention Mason	4,203.00	41,952.00	58,057.00	16,105.00	(27.73) %
Prevention Newaygo	12,940.00	41,175.00	96,305.00	55,130.00	(57.24) %
Prevention Oceana	8,485.00	36,526.00	55,918.00	19,392.00	(34.67) %
ROCA Mentee Grant	0.00	92,599.34	112,230.00	19,630.66	(17.49) %
Snap Ed	6,964.60	59,958.66	105,000.00	45,041.34	(42.89) %
State Opioid Response (SOR)	1,191.00	25,647.00	37,200.00	11,553.00	(31.05) %
Sub Use COVID Supplemental	0.00	25,000.00	25,000.00	0.00	0.00 %
Tobacco Checks LSRE	1.00	1,809.00	2,500.00	691.00	(27.64) %
Total Community Health	240,638.71	1,240,377.15	1,644,339.00	403,961.85	(24.56) %
Home Visiting					
Agnes Taylor Fund	0.00	524.95	5,483.00	4,958.05	(90.42) %

District Health Department #10
Statement of Revenues and Expenditures
As of July 31, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

	Current Month	YTD Actual	Budget	Total Budget Variance	Percent Budget Remaining
CSHCS Thorton Fund Kalkaska	0.00	(475.11)	1,223.00	1,698.11	(138.84) %
Early On Oceana	0.00	0.00	1,355.00	1,355.00	(100.00) %
Healthy Families Manistee/Missaukee	19,181.00	216,606.00	228,183.00	11,577.00	(5.07) %
MCH Women	0.00	700.00	0.00	(700.00)	100.00 %
Nursing Administration	0.00	5,000.00	0.00	(5,000.00)	100.00 %
Total Home Visiting	19,181.00	222,355.84	236,244.00	13,888.16	(5.87) %
School Health					
Brethren High School Mental Health Grant	1,666.67	16,666.67	20,000.00	3,333.33	(16.66) %
Cadillac Adolescent Health Center	23,920.00	275,966.00	313,000.00	37,034.00	(11.83) %
Chippewa Hills Clinical AHC	2,750.00	27,500.00	33,000.00	5,500.00	(16.66) %
Grayling School Mental Health	0.00	13,217.73	15,000.00	1,782.27	(11.88) %
Hart High School Mental Health Grant	1,666.67	16,666.67	20,000.00	3,333.33	(16.66) %
Lake City Clinical AHC	1,666.67	17,166.67	20,500.00	3,333.33	(16.26) %
Ludington Schools Mental Health Grant	1,666.67	16,666.67	20,000.00	3,333.33	(16.66) %
Mason County Eastern AHC	1,666.67	21,666.67	25,000.00	3,333.33	(13.33) %
Pentwater Schools Mental Health Grant	1,666.67	16,666.67	20,000.00	3,333.33	(16.66) %
School Health Team Training	2,655.00	3,190.00	0.00	(3,190.00)	100.00 %
School Wellness - Manton	2,500.00	5,000.00	0.00	(5,000.00)	100.00 %
School Wellness - McBain	2,500.00	25,000.00	30,000.00	5,000.00	(16.66) %
School Wellness - Mesick	16,646.00	19,146.00	0.00	(19,146.00)	100.00 %
School Wellness Center - Manton/Mesick	227.00	170,000.00	230,000.00	60,000.00	(26.08) %
Shelby Adolescent Health Center	22,665.00	264,769.00	308,000.00	43,231.00	(14.03) %
Viking Wellness Center - Grayling AHC	19,726.67	187,053.67	205,000.00	17,946.33	(8.75) %
Total School Health	103,589.69	1,096,342.42	1,259,500.00	163,157.58	(12.95) %
WIC					
AHEAD WIC Workforce Sub-Grant	0.00	7,379.40	7,379.00	(0.40)	0.00 %
WIC Peer Counselor	1,000.00	1,000.00	0.00	(1,000.00)	100.00 %
Total WIC	1,000.00	8,379.40	7,379.00	(1,000.40)	13.55 %
Total Other Funding	399,122.40	2,822,579.18	3,952,049.00	1,129,469.82	(28.57) %
Billing Revenue					
Clinical	35,375.25	1,508,035.45	2,645,500.00	1,137,464.55	(42.99) %
Community Health	22,238.82	250,336.83	384,000.00	133,663.17	(34.80) %
Home Visiting	54,853.81	464,926.51	540,000.00	75,073.49	(13.90) %
School Health	27,441.12	471,138.40	500,381.00	29,242.60	(5.84) %
WIC	2,912.69	27,960.43	19,000.00	(8,960.43)	47.16 %
Total Billing Revenue	142,821.69	2,722,397.62	4,088,881.00	1,366,483.38	(33.41) %
Medicaid Cost Settlement	0.00	807,500.00	2,262,500.00	1,455,000.00	(64.30) %
Environmental Health Revenue	170,157.00	1,473,007.58	1,786,250.00	313,242.42	(17.53) %
Appropriations	528,633.11	2,760,795.63	2,974,479.00	213,683.37	(7.18) %
Other Revenue	33,526.67	331,907.86	187,893.00	(144,014.86)	76.64 %
Total Revenues	2,506,477.85	23,412,334.18	31,989,179.00	8,576,844.82	(26.81) %

District Health Department #10
Statement of Revenues and Expenditures
As of July 31, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

	Current Month	YTD Actual	Budget	Total Budget Variance	Percent Budget Remaining
Expenditures					
Wages	1,056,324.90	10,926,051.80	14,152,392.00	3,226,340.20	(22.79) %
Fringes	521,587.79	5,316,192.08	6,406,138.00	1,089,945.92	(17.01) %
Travel	67,025.86	601,332.56	816,980.00	215,647.44	(26.39) %
Supplies	93,127.12	1,909,133.87	4,116,783.00	2,207,649.13	(53.62) %
Contractual	264,445.61	1,362,108.95	2,178,047.00	815,938.05	(37.46) %
Communications	25,410.44	331,995.36	561,661.00	229,665.64	(40.89) %
Printing/Publishing	3,258.64	118,781.57	301,547.00	182,765.43	(60.60) %
Education/Training	8,984.00	134,191.34	175,537.00	41,345.66	(23.55) %
Liability Insurance	9,459.08	98,419.89	150,256.00	51,836.11	(34.49) %
Maintenance	41,499.60	502,483.64	589,597.00	87,113.36	(14.77) %
Space	135,235.79	1,340,872.94	1,600,227.00	259,354.06	(16.20) %
Equipment	66,058.83	228,096.21	625,000.00	396,903.79	(63.50) %
Other Expenses	13,410.00	136,681.18	160,920.00	24,238.82	(15.06) %
Total Expenditures	<u>2,305,827.66</u>	<u>23,006,341.39</u>	<u>31,835,085.00</u>	<u>8,828,743.61</u>	<u>(27.73) %</u>
Increase(Decrease) in Fund Balance	<u>200,650.19</u>	<u>405,992.79</u>	<u>154,094.00</u>		

District Health Department #10
Cash Flow Analysis
August 15, 2024

Prepared by:
Christine Lopez, MBA
Administrative Services Director

	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Beginning Cash Balance	14,567,633	14,076,959	13,747,285	13,604,219	13,234,545
Receipts:					
State Funding	1,125,000	1,125,000	1,125,000	1,125,000	1,125,000
Billing Revenue	50,000	250,000	250,000	250,000	250,000
EH Fees	159,000	120,000	80,000	80,000	60,000
Appropriations	13,392	13,392	240,000	13,392	13,392
Other	<u>300,000</u>	<u>300,000</u>	<u>300,000</u>	<u>300,000</u>	<u>300,000</u>
Total	1,647,392	1,808,392	1,995,000	1,768,392	1,748,392
Expenses:					
Wages	1,047,340	1,047,340	1,047,340	1,047,340	1,047,340
Benefits	512,947	512,947	512,947	512,947	512,947
Other	<u>577,779</u>	<u>577,779</u>	<u>577,779</u>	<u>577,779</u>	<u>577,779</u>
Total	2,138,066	2,138,066	2,138,066	2,138,066	2,138,066
 Total Cash & Investments	 <u>14,076,959</u>	 <u>13,747,285</u>	 <u>13,604,219</u>	 <u>13,234,545</u>	 <u>12,844,871</u>

Board of Health Community Health Division 3rd Quarter Report

Community Connections. DHD#10 Community Connections 3rd Quarter data:

	Referred Participants		Accepted Participants		Resource Pathways	
	Q3	YTD	Q3	YTD	Q3	YTD
Crawford	65	184	11	20	47	50
Kalkaska	70	138	12	27	37	64
Lake	12	39	4	19	16	51
Manistee	102	199	33	81	78	279
Mason	23	44	10	19	21	62
Mecosta	41	107	3	40	3	119
Missaukee	39	84	3	19	14	29
Newaygo	29	44	4	24	17	53
Oceana	24	51	6	15	4	18
Wexford	113	248	14	58	45	141
TOTAL	518	1,073	100	322	282	866

Most frequent needs continue to be food insecurity, housing, health insurance, and transportation. Turnaround time from when a referral is received to when staff make first contact to the participant decreased from 16 days in Q2 to 9 days in Q3, mostly due to filling staffing vacancies with more vacancies filled in Q4.

WISEWOMAN –This program provides diabetes and cholesterol screening with lifestyle coaching, programming, and navigation of the healthcare system for women ages 35-64.

	Screenings	
	Q3	YTD
Manistee	3	3
Mason	6	6
Mecosta	3	10
Newaygo	5	5
Oceana	3	12
Wexford	8	16
Total	28	52

Breast and Cervical Cancer Control Navigation Program (BCCCNP) –This program provides women who meet certain eligibility guidelines access to breast and cervical cancer screening services and follow-up care. In the program year ending June 30, DHD#10 enrolled 282 women of the 306 caseload (92%).

Substance Use Prevention – Lake, Manistee, Mason, Missaukee, Oceana, Wexford Counties

- Detera/Meals on Wheels Project: Distributed 142 Detera bags (Wexford) and 48 bags (Missaukee)
- Held 3 Medication Disposal Events-
 - Two events in Wexford: 16.5lbs collected
 - One event in Mason: 16.6lbs collected
- Sticker Shock-prevention messaging on pizza boxes – 250 stickers (Wexford) and 700 stickers (Missaukee)
- Facilitated LifeSkills Program –
 - Lake: 25 students
 - Mason: 120 students
 - Oceana: 46 students
- Partnered with MIHP, WIC, and Strengthening Families staff and community partners to distribute Talk Sooner educational bags, marijuana lock bags and medication storage boxes-
 - 12 educational bags and lock bags/boxes distributed in Lake
 - 50 educational bags distributed in Mason at G2S community resource night
 - 41 lock bags/boxes distributed in Newaygo at family services expo
 - 21 lock boxes distributed in Wexford at farmers markets and food pantries
- Hosted Youth Summit – 60 students attended from Lake, Mason, and Oceana schools
 - Created a video with Lake FX Media to highlight and promote the Youth Summit <https://youtu.be/pAS6mU5F7xE>
- Facilitated Catch My Breath vaping education program at Pentwater schools for 13 5th grade students
- Supported MiPHY Survey implementation in 5 Newaygo schools
- Newaygo staff helped implement Total Trek Quest summer youth program– 5 students

Harm Reduction

	Safe Use Kits Distributed		Naloxone Kits Provided		Sharps Containers Collected	
	Q3	YTD	Q2	YTD	Q2	YTD
Crawford	0	0	0	0	6	41
Kalkaska	56	62	49	90	27	72
Lake	0	1	59	137	4	14
Manistee	17	87	23	117	15	37
Mason	21	55	55	149	37	100
Mecosta	1	1	47	133	20	51
Missaukee	N/A	N/A	N/A	N/A	12	32
Newaygo	0	3	0	3	4	18
Oceana	0	0	95	255	1	16
Wexford	34	128	75	275	77	298
Total	129	337	403	1,159	203	679

- Held 1 Naloxone training- 4 trained.
- Provided 6 NaloxBoxes in Wexford and Missaukee Counties
- Placed 3 Naloxone Distribution Boxes in Wexford County
- Began mobile SSP outreach in Wexford County- 8 clients

Oral Health

	Kindergarten assessments		# kids with sealants placed		# reached sealant presentations		# reached dental outreach	
	Q3	YTD	Q3	YTD	Q3	YTD	Q3	YTD
Crawford	8	8						
Kalkaska						30		
Lake	23	23						115
Manistee								
Mason								300
Mecosta	87	99						
Missaukee								
Newaygo	37	37	42	42		249		
Oceana	53	53		101		671	242	987
Wexford	75	75						
Total	283	295	42	143	0	950	242	1,402

Tobacco Control, Prevention, and Cessation Efforts

- 38 referrals for tobacco treatment this quarter- resulting in 1 enrollment, 1 reduced/quit. YTD: 67 referrals, 12 enrollments, 3 reduced/quit.
- TTS staff are working on a tobacco treatment training video to share with the Munson system/staff as part of our referral partnership with Munson primary care and cancer centers.
- DHD#10 is participating in the statewide Strategic Plan for Tobacco Prevention and Control as a Steering Committee member. Additionally, DHD#10 hosted a focus group with 8 youth at Manton High School in Wexford County to collect insight on tobacco policy and access issues for the statewide plan.

National Diabetes Prevention Program.

- One cohort in Kalkaska Co. continues with success- 67% of participants achieving their weight loss goal and 78% of participants achieving their physical activity goal.
- DHD#10 submitted evaluation data to the CDC in May and received an extension of Full Recognition Status for the program.

Supplemental Nutrition Assistance Program-Education (SNAP-Ed).

- As a result of partnering with DHD#10 for a “Promoting Active Communities” assessment, Grayling Elementary instituted a new wellness challenge, “Mileage Club” with the 4th grade class. The school is considering expanding this program to all students next school year based on participant feedback.

Behavioral Health Project: Mason County Interconnected Systems Framework.

- Baldwin Public Schools solidified their commitment to the ISF model for Lake County youth by hiring a full-time ISF/MTSS manager for their school system. The ISF co-lead team (United Way of Mason County, West Shore Educational Service District and DHD#10) will provide support to the new staff person with implementing the ISF model in Baldwin Public Schools.
- The project team hosted a consultant to conduct evaluation activities for this project. The findings will determine project impact as well as recommendations for sustainability.

LiveWell REACH. The team is working on planning and assessment pieces as well as community and partner engagement in this fiscal year with implementation of direct service and PSE implementation to start next fiscal year. See REACH brochure for more information on the project following this report.

Environmental Health Outreach and Education. Health education and environmental health staff are working in partnership to provide outreach and education on various environmental health topics. Q3 highlights include:

- DHD#10 hosted Emily Pochubay from MDARD who presented on Integrated Pest Management and Public Health at four locations in the jurisdiction (one presentation was in Q4) with 66 attendees across all locations.
- Staff attended outreach events in Crawford, Kalkaska, Manistee, Mecosta, and Wexford counties to promote and share information about EH programs and topics- 287 reached across all events.
- Media and outreach efforts this quarter included social media posts and press releases on a variety of topics such as lead prevention, tick awareness and identification, Avian flu, PFAS awareness, mold, bats, and others with a total reach of over 10,000.

***Respectfully Submitted,
Christy Rivette***



- Katie Miller
 - Principal Investigator
 - kmiller@dhd10.org
- Katie Haner
 - Program Manager
 - khaner@dhd10.org
- Qur'an Griffin
 - Program Implementer
 - ggriffin@dhd10.org
- Kylie Davis
 - Program Implementer
 - kdavis@dhd10.org
- Emily Pokorski
 - Evaluation Specialist
 - epokorski@dhd10.org
- Alisa Sponseller
 - Communication Specialist
 - asponseller@dhd10.org



For more information, visit the [CDC REACH website!](https://www.cdc.gov/reach/)



Centers for Disease Control and Prevention
REACH
 Racial and Ethnic Approaches to Community Health

LIVE WELL



**Racial and
 Ethnic
 Approaches to
 Community
 Health**

☎ [231-902-8528](tel:231-902-8528)

✉ reach@dhd10.org

PROJECT GOAL

The purpose of this multi-component 5-year program is to improve health, prevent chronic disease, and reduce health disparities among racial and ethnic populations with the highest risk, or burden, of chronic disease, specifically African American, and Hispanic populations in three counties of the District Health Department #10 (DHD#10) jurisdiction: Lake, Newaygo, and Oceana Counties.



PROJECT OUTCOMES

The long-term outcomes of this project will be:

Improved health behaviors and outcomes (e.g. increased healthier food consumption, increased percentage of individuals meeting physical activity guidelines, and decreased obesity).

Reduced health disparities in chronic conditions (e.g. hypertension, heart disease, type 2 diabetes, and obesity).

STRATEGIES



NUTRITION

- Short-term Outcomes: Increased access to healthier foods.
- Intermediate Outcomes: Increased purchasing and distribution of healthier foods.



PHYSICAL ACTIVITY

- Short-term Outcomes: Increased policies, plans, or community design changes that increase access to physical activity.
- Intermediate Outcomes: Increased access to places for physical activity.



FAMILY HEALTH WEIGHT PROGRAMS

- Short-term Outcomes: Increased supports for Family Healthy Weight Programs.
- Intermediate Outcomes: Increased access to Family Healthy Weight Programs.



**Board of Health
Environmental Health Division
3rd Quarter Report**

Water Well Private and Type III

Number of Well Permits Issued	637
Number of Wells Drilled	149
Number of Abandoned Wells Plugged	254
Number of Field Pre-Drilling Site Evaluations	637
Number of Random Construction Inspections	0
Number of Final Inspections with Well Construction	23
Number of Final Inspections with Well Construction Code Violations	4

Sewage Residential

Number of Parcels Evaluated	649
Number of Onsite Sewage Treatment Permits Issued	649
Number of Alternative or Engineered System Plans Approved	7
Number of Appeals Processed	0
Number of Inspections Conducted during and/or after Construction	155
Number Failed System Evaluations Conducted	288
Number of Complaints Received	45
Number of Complaints Investigated	36

Sewage Non-Residential

Number of Parcels Evaluated	14
Number of Onsite Sewage Treatment Permits Issued	14
Number of Alternative or Engineered System Plans Approved	5
Number of Appeals Processed	0
Number of Inspections Conducted During and/or After Construction	6
Number of Failed System Evaluations Conducted	7
Number of Complaints Received	0
Number of Complaints Investigated	0

Food Service

Food Inspections Conducted	278
STFU/Mobile Inspected	52
Temps Done	204
Reinspection	25
Plans Received	14
Plans Approved	12
Pre-Opening Inspections	46
Food Complaints	4
Suspected Foodborne Investigation	8

1. Type II	
a. Permit	4
b. Well Final Inspections	6
c. Sanitary Surveys	103
d. Paid Level 2 Assessments	11
e. MR Violations Issued (Monthly and Quarterly)	184
2. Tanning Inspections	3
3. Body Art Inspections	
a. New Facility Inspection	1
b. Temporary Facility Inspection	2
c. Routine Annual Inspection	5
d. Body Art Complaints	3
4. Long-Term GW Monitoring Sampling Events	1
5. Pool Inspections	18
6. Campground Inspections	
a. Family Inspection	76
b. Temporary Campground License Issued	9
7. Septage Inspections	19
8. HAB Investigation	
a. Sampling Event	2
b. Public Health Advisory Issued	1
9. Inland Lakes Beach Monitoring	
a. Sampling Event	96
b. Public Health Advisory Issued	2
10. Great Lakes Beach Monitoring	
a. Sampling Event	68
b. Public Health Advisory Issued	4
11. DHHS Inspections (Per Clerical/EH Log)	18

*Respectfully Submitted,
Max Bjorkman*

Board of Health School Health Programs Report 3rd Quarter Report

- The School Health Division has had a busy 3rd quarter. As you will see in the data tables, there were 1,092 medical visits and 2,010 mental health visits at the school-based clinics.
- The DHD#10 Mobile Unit was used again this quarter through the end of the school year by the Wexford Adolescent Wellness Center Nurse Practitioners. With Cadillac Schools undergoing major renovations, the Wexford Adolescent Wellness Center has lost its space temporarily while a brand new clinic is being built inside the remodeled Cadillac High School. In the meantime, the Nurse Practitioners there have been seeing students for medical visits out of the Mobile Unit, you may have seen it parked at Cadillac High School. It has been great for the students to continue to have access to medical care. The new Wexford AWC will be ready for staff to move in on August 15th.
- Katy Bies nominated Len Morrow, Superintendent of Manton Consolidated Schools for the School-Community Health Alliance of Michigan for their “Apple Award”. This award recognizes consistent involvement in pursuit of options to provide accessible healthcare for students and achieve health learners. Len was selected as the recipient and received his award at the School Community Health Alliance of Michigan Conference on June 25th.
- The School Health Division is now offering CPR with AED training for the public throughout the 10 county jurisdiction (see attached flyer). In addition, the team is also offering “hands only” CPR with AED training in schools for students (see attached flyer). There have been a lot of schools and community groups signing up to host classes throughout the summer.

*Respectfully Submitted,
Katy Bies*

**Board of Health
School Health Programs Report
3rd Quarter Report**

SCHOOL CLINIC SITE	UNDUPLICATED STUDENTS SERVED	MEDICAL SERVICES		MENTAL HEALTH SERVICES		TOTAL SERVICES
	YTD	CURRENT	YTD	CURRENT	YTD	OCT 23-June 24
CADILLAC SCHOOLS - Medical & Mental Health	221	85	239	163	473	712
CHIPPEWA HILLS SCHOOLS - Medical & Mental Health	326	112	504	321	894	1398
GRAYLING SCHOOLS -Medical & Mental Health	222	140	365	200	629	994
LAKE CITY SCHOOLS - Medical & Mental Health	187	105	298	92	279	580
MASON COUNTY EASTERN SCHOOLS - Medical & Mental Health	131	75	242	42	50	292
SHELBY SCHOOLS - Medical & Mental Health	284	157	405	175	545	950
McBain Schools Medical (Nursing) & Mental Health	212	374	766	169	467	1233
MESICK SCHOOLS - Medical (Nursing) & Mental Health	105	37	215	156	514	1265
MANTON SCHOOLS - Medical (Nursing) & Mental Health	81	47	169	50	122	500
BRETHREN SCHOOL - Mental Health	47			196	697	697
Ludington Schools - Mental Health	44			125	370	370
Pentwater Schools - Mental Health	44			156	598	598
HART SCHOOLS - Mental Health	51			165	481	481
TOTALS	1469	1013	2071	2010	6119	10070

	Mackinaw Trail MS School Nurse	Bear Lake School Nurse	Brethren School Nurse	Morley Stanwood School Nurse	Total for FY 2024
Visits this Quarter	36	0	0	43	761
Visits YTD	114	10	178	211	513
Immunizations YTD	10	2	20	0	32
Unduplicated this Quarter	19	0	0	19	38
Total Unduplicated	82	9	88	127	306

Q2	Wexford	Manistee	Mason	Mecosta	Newaygo	Oceana	Lake	Crawford	Kalkaska	Missaukee
HRA Lunch & Learns										
CPR /First Aid Classes										
Immunizations with HRAs non-nurse										

CPR & AED INSTRUCTION



ENROLL NOW!



Did you know?

Public Act 388 of 2016, the Cardiopulmonary Resuscitation (CPR) and Automatic External Defibrillator (AED) Training in Schools law, was signed on December 28, 2016. This law requires CPR and AED instruction for pupils enrolled in grades 7 through 12 beginning in the 2017-2018 school year.

In order to comply with PA 388 of 2016, CPR/AED Training in Schools, districts shall ensure that:

- The psychomotor skills (hands-only CPR) necessary to perform cardiopulmonary resuscitation are incorporated into the instruction
- The instruction is based on an instructional program developed by the American Red Cross, the American Heart Association, or another nationally recognized, evidence-based guidelines
- Instruction about AEDs shall also be incorporated



District Health Department #10



District Health Department #10 (DHD#10) can help!

- Our AHA Certified Instructors can complete the hands-only and AED with these students FREE of charge!
- Schools in Manistee, Mason, Mecosta, Newaygo, and Oceana should contact Deanna Verbanic at dverbanic@dhd10.org
- Schools in Crawford, Kalkaska, Lake, Missaukee, and Wexford should contact George Davis-Williams at gdavis@dhd10.org

NEW



CPR & AED **FIRST AID** **CLASSES**

The District Health Department #10 is pleased to offer American Heart Association (AHA) CPR, AED, and First Aid classes to the public!

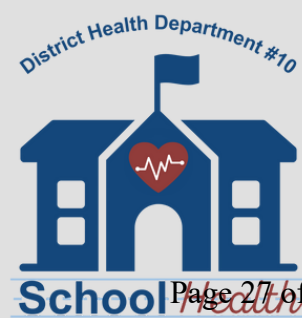
For questions, please reach out to Deanna Verbanic at dverbanic@dhd10.org or George Davis-Williams at gdavis@dhd10.org.

Scan QR code to sign-up for a scheduled class!



SAVE A LIFE

- +** CPR/AED & First Aid in one sitting- \$85
- +** Heartsaver First Aid only - \$65
- +** Heartsaver CPR AED only - \$65
- +** BLS - \$65
- +** HeartCode Skills Check - \$65 (available in Oceana, Mason, and Wexford Counties)
- ✓** A minimum of 5 participants required.
- ✓** \$100 off-site fee for class to be at your location.



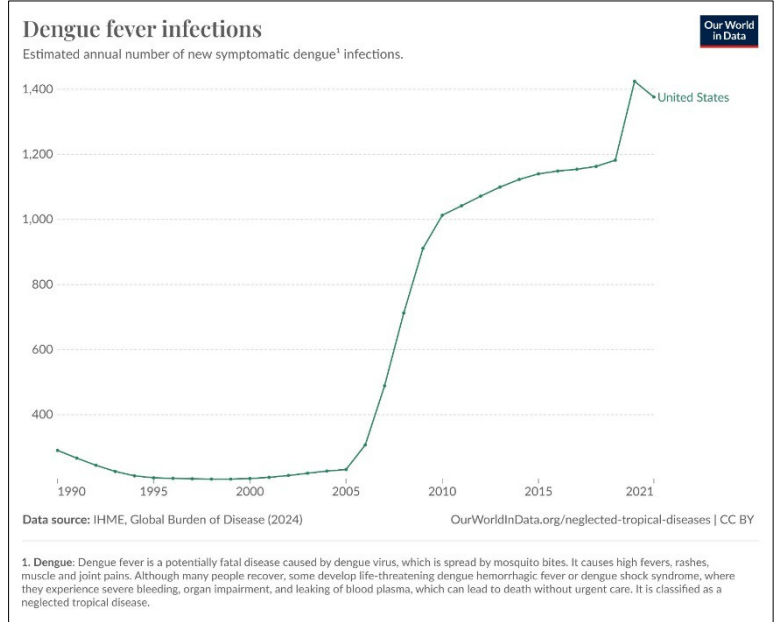
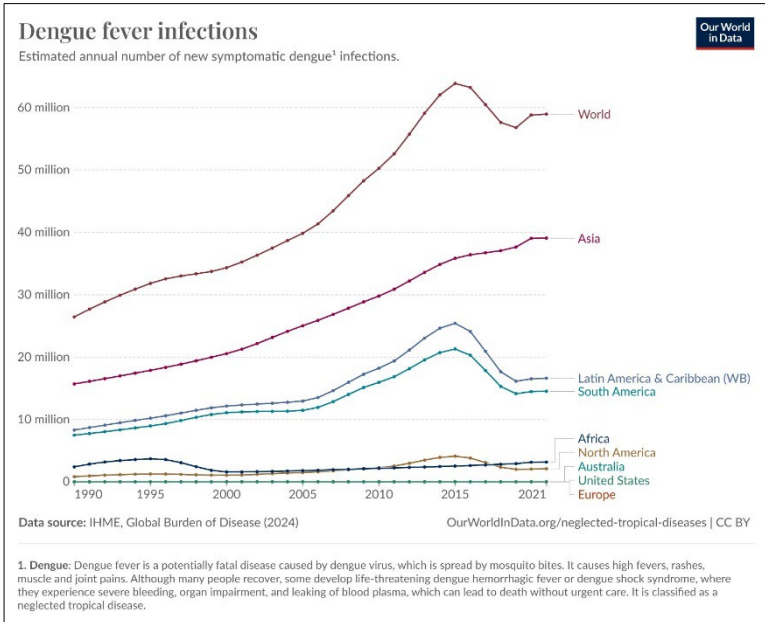
Report to the Boards of Health
Jennifer Morse, MD, MPH, FAAFP, Medical Director

Mid-Michigan District Health Department, Wednesday, August 28, 2024
Central Michigan District Health Department, Wednesday, August 28, 2024
District Health Department 10, Friday, August 23, 2024



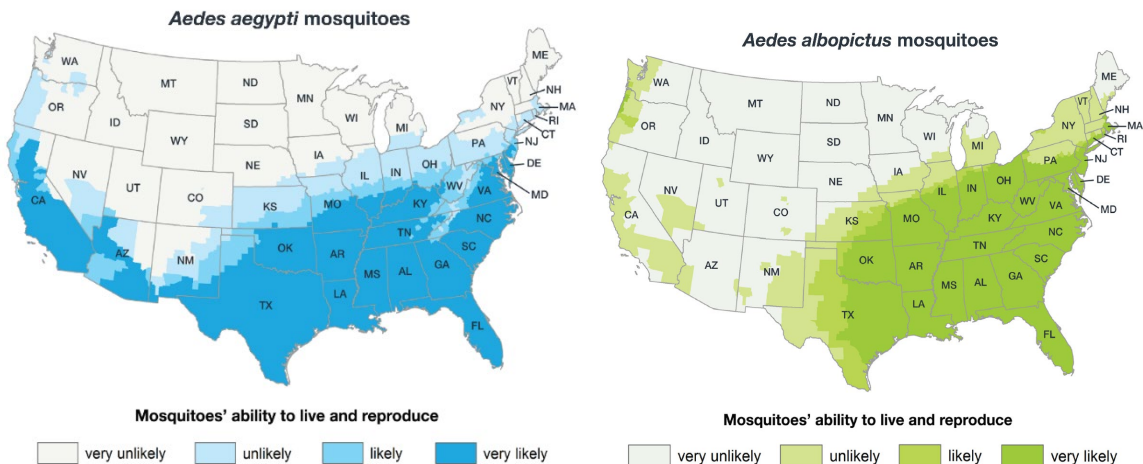
Dengue Fever

Dengue is a disease caused by any of four related viruses: dengue virus 1, 2, 3, and 4. These viruses are spread between people through the bite of infected *Aedes* species mosquitoes, mainly *Aedes aegypti* and *Aedes albopictus*. Dengue cases have risen greatly in recent years. In 2023, more than 5 million cases were reported from 80 countries, with at least 23 countries reporting dengue outbreaks. That number has more than doubled in 2024 so far, and a major outbreak is occurring in the U.S. territory of Puerto Rico.



Traditionally, most dengue occurred in tropical and subtropical parts of the world, but now about half of the world’s population is at risk of infection. Many things have likely contributed to the large global rise of dengue cases. There has been a change in the distribution of the mosquitos that carry dengue, chiefly *Aedes aegypti* and *Aedes albopictus*, even into countries that never had dengue before. This has been due to increasing temperatures and high rainfall and humidity as well as the movement of population into new areas. Many cases of dengue happen because people are traveling more often to places where dengue is common.

ESTIMATED potential range of *Aedes aegypti* and *Aedes albopictus* in the United States, 2017



Dengue has become endemic (occurs frequently or continuously) in some parts of the United States and US territories. Over the past 10 years, the US has had an annual average of 869 travel associated cases of dengue and 600 locally acquired cases of dengue.

Also known as break-bone fever, most people with dengue have no or mild symptoms and will get better in 1–2 weeks. Rarely, dengue can be severe and lead to death and those who are infected for the second time are at greater risk of severe dengue. For those with symptoms, they may include high fever, severe headache, pain behind the eyes, muscle and joint pains, nausea, vomiting, swollen glands, and rash. Severe dengue symptoms usually start after the fever has gone away and include severe abdominal pain, persistent vomiting, rapid breathing, bleeding gums or nose, fatigue, restlessness, blood in vomit or stool, being very thirsty, pale and cold skin, and feeling weak. People with these severe symptoms should get care right away. After recovery, people who have had dengue may feel tired for several weeks.

There is no specific treatment for dengue. It is best to try to prevent mosquito bites when in areas where dengue can spread. The mosquitos that spread dengue thrive in urban areas and are aggressive biters that mainly feed on humans both indoors and outdoors. They can lay eggs in very small amounts of water. To prevent mosquitoes, but particularly *Aedes aegypti* and *Aedes albopictus*, eliminate any site mosquitos might breed:

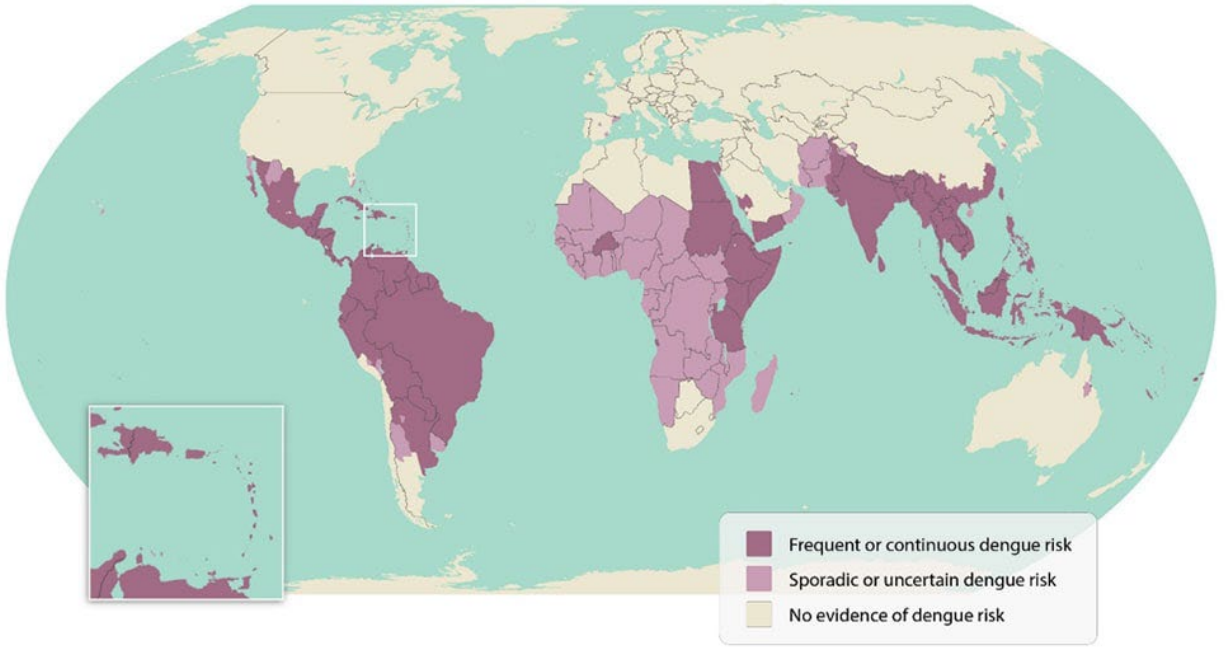
- Once a week, empty or throw out anything holding water, inside and outside
- Tightly cover any water storage containers
- Change water in bird fountains and animal dishes often
- Keep rain gutters and yard drainpipes clear of debris
- Use an outdoor insect spray in dark humid areas where mosquitos rest
- Keep windows and doors shut or be sure windows and doors have functioning screens

Protect yourself from mosquito bites while outdoors:

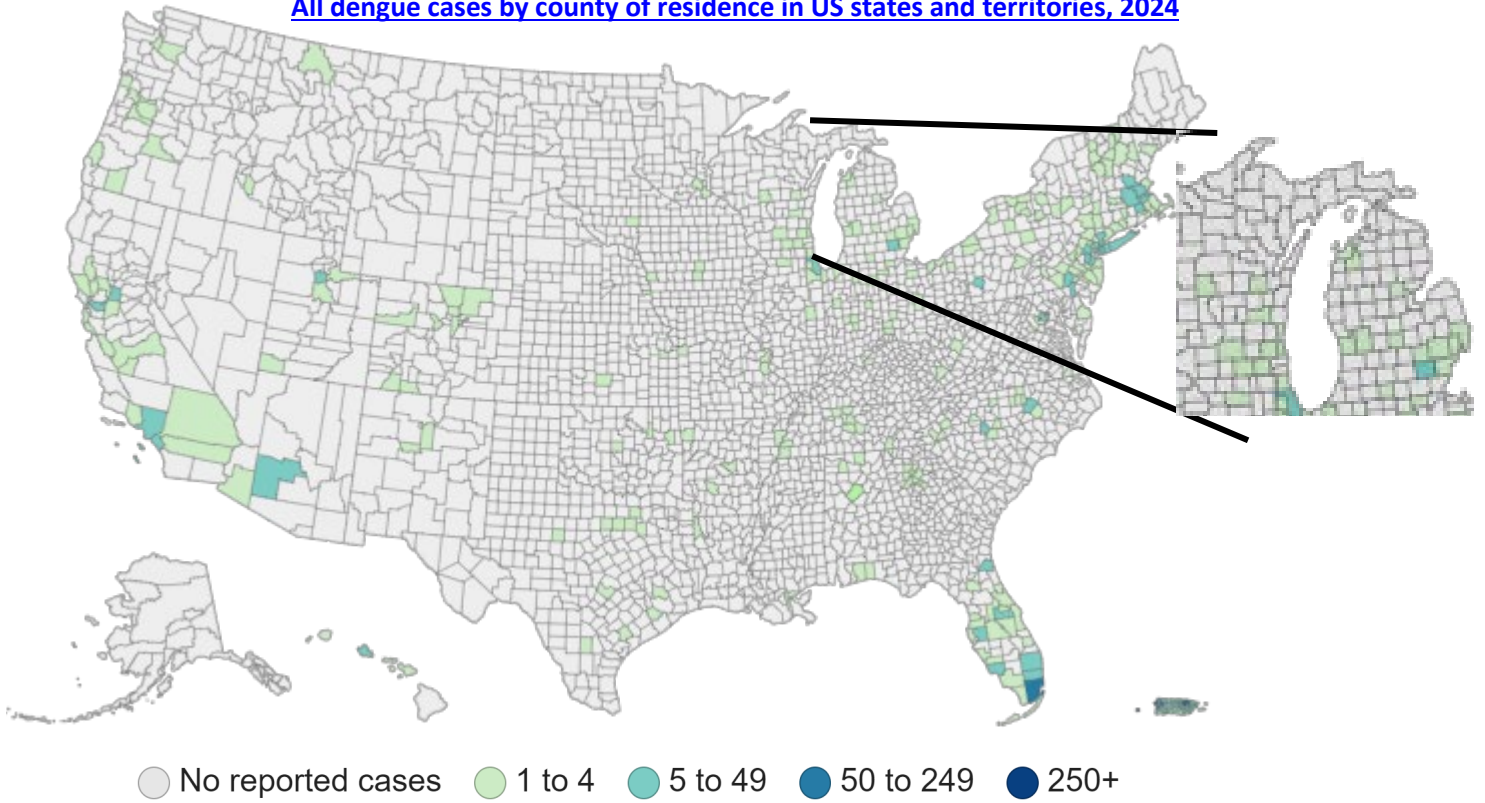
- Use EPA-registered insect repellents with one of the following active ingredients: DEET, picaridin, IR3535, oil of lemon eucalyptus, para-menthane-diol, or 2-undecanone. Follow product label instructions.
- Wear loose-fitting, long-sleeved shirts and pants.
- Treat items such as boots, pants, socks, and tents with permethrin or buy permethrin-treated clothing and gear. Do not use permethrin on skin.

Prior to travel, review general health tips and specific health concerns for your destination at <https://wwwnc.cdc.gov/travel/>. Travel information specific for dengue can be found at <https://wwwnc.cdc.gov/travel/notices/level1/dengue-global> and mosquito guidance for traveling can be found at <https://www.cdc.gov/mosquitoes/prevention/preventing-mosquito-bites-while-traveling.html>.

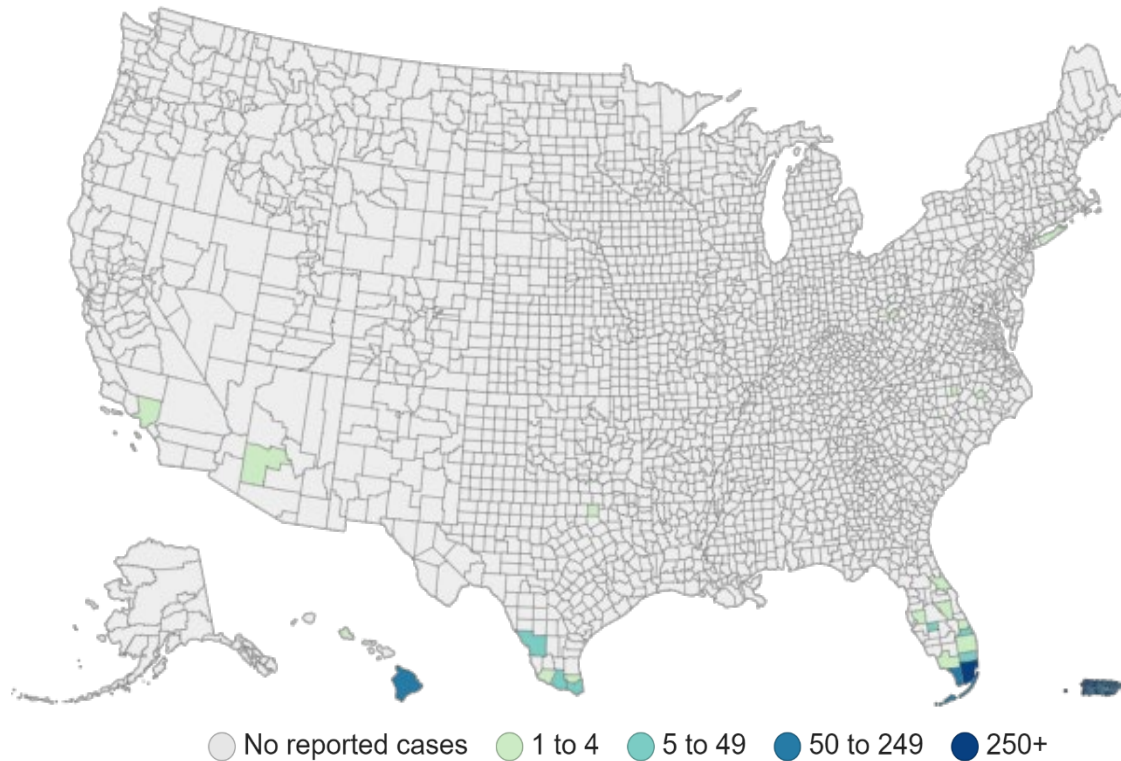
There is a [dengue vaccine](#) approved for use in children aged 9–16 years with laboratory-confirmed previous dengue virus infection *and* living in areas where dengue is endemic. This include some U.S. territories and freely associated states. The vaccine is not approved for use in U.S. travelers who are visiting but not living in an area where dengue is common.



All dengue cases by county of residence in US states and territories, 2024



Locally acquired dengue cases by jurisdiction of residence in US states and territories, 2010 - 2023



Recommendations:

1. Be aware of health risks with travel, including different areas of the United States.
2. Take steps to prevent mosquitos and mosquito bites as they can spread a number of different illnesses that vary around the world.
3. If you are ill after travelling, be sure to tell your healthcare provider your travel history.

Sources

- CDC. Dengue. <https://www.cdc.gov/dengue/index.html>
- WHO. Dengue and severe dengue. <https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue#:~:text=Overview,aches%2C%20nausea%2C%20and%20rash>

Board of Health Health Officer Report

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. **MALPH/MDHHS Visioning Meeting:** The group met on 8/14/24 to continue work on creating a new vision for public health in Michigan including pursuing the idea of flexible funding. The facilitator leading this process shared information she had gained from focus groups and key stakeholder interviews on what the role of public health should be. I will share more information as it becomes available.
5. **MDHHS Accreditation Powers and Duties Report:** This was sent out to all Board members following last months meeting. Just wanted to circle back around to see if there were any questions on this report?
6. **Office Enhancements:** Work continues around enhancing/improving current office space. Efforts include an expansion of the WIC space in Big Rapids, new workstations, the proposed construction of a pole barn structure to park the mobile unit under in Cadillac and technology updates in the Board Meeting room. Funding for these expenses is being provided through the CDC Infrastructure funding all health departments have received.

Respectfully submitted:

Kevin Hughes, MA
Health Officer