



Michigan Flu Focus

Weekly Influenza Surveillance Report

December 6, 2024

Vol. 22; No. 09

Week Ending November 30, 2024 | WEEK 48

Editor: Sue Kim, MPH

Data provided in this report are preliminary and will be updated as additional data are received

Updates of Interest

CDC has recently posted weekly estimates of influenza burden in the United States. CDC uses models to estimate the range of flu illness, medical visits, hospitalizations, and deaths related to influenza.

For more info, visit [CDC's webpage](#).

These preliminary burden estimates will also be provided on the 6th page of this report.

Seasonal Flu Vaccination Coverage

Michigan's goal is to vaccinate **4 million** residents during the 2024-2025 flu season.

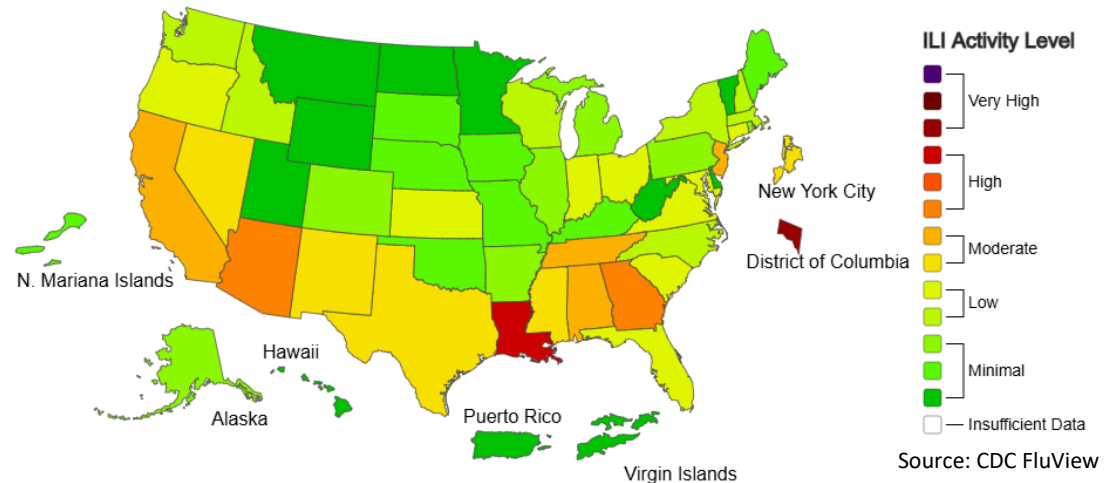
As of **November 30, 2024, 2,261,243** Michiganders have received a flu vaccine (**56.5%** towards goal) for the 2024-2025 season.

For more info, please visit the [Michigan Respiratory Virus Dashboard](#)

Outpatient Respiratory Illness Activity Map Determined by Data Reported to ILINet

This system monitors visits for respiratory illness that includes fever plus a cough or sore throat, also referred to as ILI, not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

2024-25 Influenza Season Week 48 ending Nov 30, 2024



Note: This map represents U.S. ILI activity levels reported to ILINet. The display used in past seasons showing Geographic spread of influenza has been suspended for the 2024-2025 influenza season

Influenza-associated Pediatric Mortality

Nationally, **2** influenza-associated pediatric deaths have been reported for the 2024-2025 flu season.

No influenza-associated pediatric deaths in Michigan have been confirmed by MDHHS for the 2024-2025 flu season.

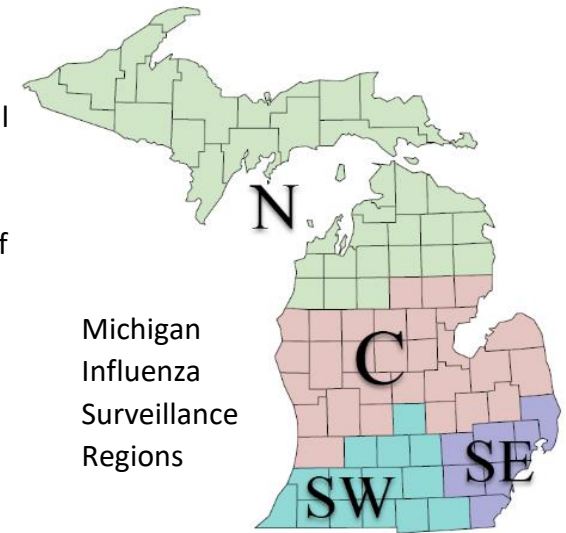
U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

Michigan participates in ILINet, a collaborative effort between the CDC, state and local health departments, and volunteer sentinel clinicians as part of Michigan’s influenza surveillance. ILINet provides data on the total number of outpatient visits to health care providers seen for any reason and the number of those patients with influenza-like illness (ILI[‡]). Participating Michigan emergency department and urgent care facilities send syndromic data voluntarily in near real-time to the Electronic Surveillance System for the Early Notification of Community Based Epidemics (ESSENCE). Discharge diagnosis and chief complaint data elements are used to determine whether visits meet the ILI case definition. Two hundred and thirty-one (231) Michigan facilities contributing data to ESSENCE have been validated and enrolled in ILINet.

[‡]ILI is defined as fever (>100°F) and a cough and/or a sore throat.

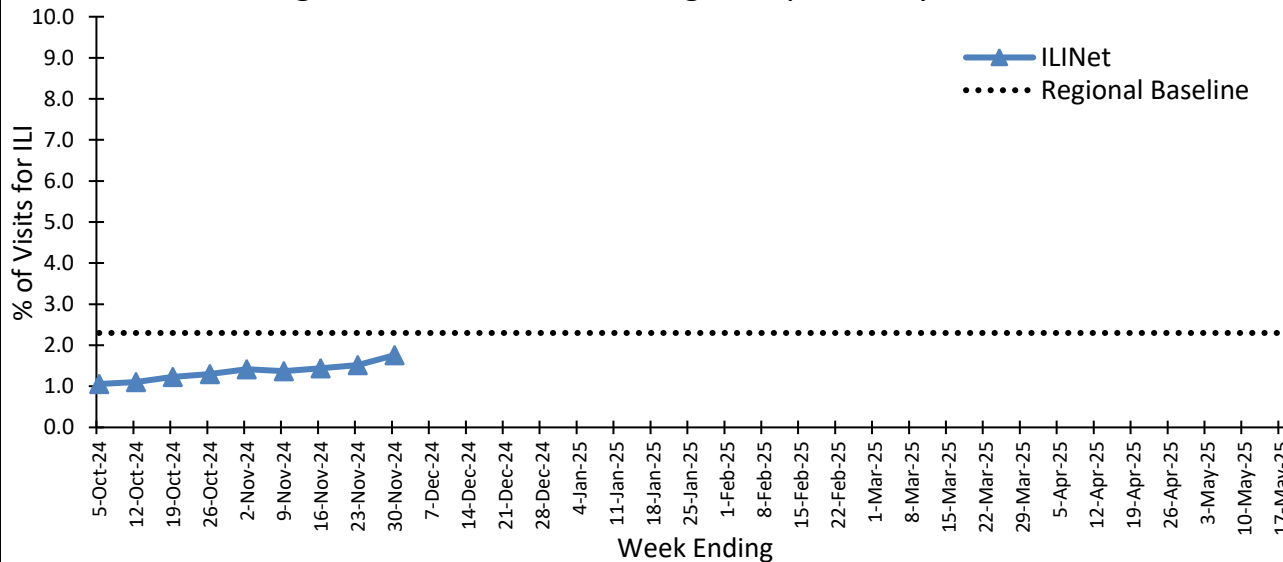
Number of Reports and ILI % by Region during this time period:

	C	N	SE	SW
# of Reporters (299)	116	32	116	35
ILI %	1.2	4.5	2.0	1.5



Michigan Influenza Surveillance Regions

Percentage of Visits for ILI in Michigan Reported by ILINet, 2024-2025



Note: ILINet monitors visits for ILI (fever and cough and/or sore throat) and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

Michigan ILI Activity: **1.8%** ↑

(Last week: 1.5%)

Regional Baseline*: 2.3%

A total of **2,393** patient visits due to ILI were reported out of **136,099** outpatient visits.

*Regional baseline is determined by calculating the mean percentage of patient visits due to ILI during non-influenza weeks for the previous three seasons and adding two standard deviations.

National Surveillance

In the United States, **3.2%** of outpatient visits were due to ILI (Last week: 2.9%)

This is **above** the national baseline of 3.0%

Become an ILINET provider!

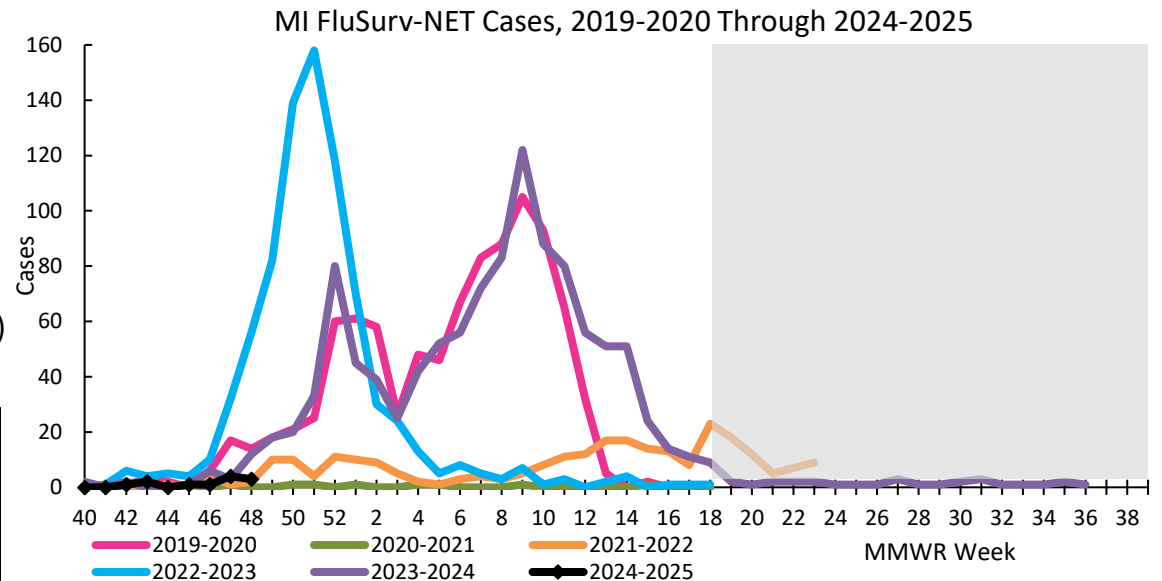
Contact Faria Farin at FarinF1@michigan.gov

Influenza Hospitalization Surveillance Network (FluSurv-NET)

The CDC's Influenza Hospitalization Surveillance Network (FluSurv-NET) provides population-based rates of laboratory-confirmed influenza-associated hospitalizations from October 1st through April 30th each year. Michigan participates for Clinton, Eaton, Genesee, Ingham, and Washtenaw Counties. (Livingston County will be piloted during the 2024-2025 season)

of MI FSN cases reported for the 2024-2025 season:

	Pediatric	Adult	Total
Week 48 (Change from Previous Week)	1 (+1)	2 (-2)	3 (-1)
Cumulative Cases	1	11	12



Note: FSN was extended during the 2021-2022 season to Week 23 due to late season activity in 2022 and extended during the 2023-2024 season in response to the HPAI outbreak among dairy cattle
 Note: Livingston County was added as a pilot site for the 2024-2025 season

Influenza Sentinel Hospital Network (ISHN)

ISHN is a group of hospitals in Michigan that voluntarily report weekly aggregate counts of influenza hospitalizations by age group.

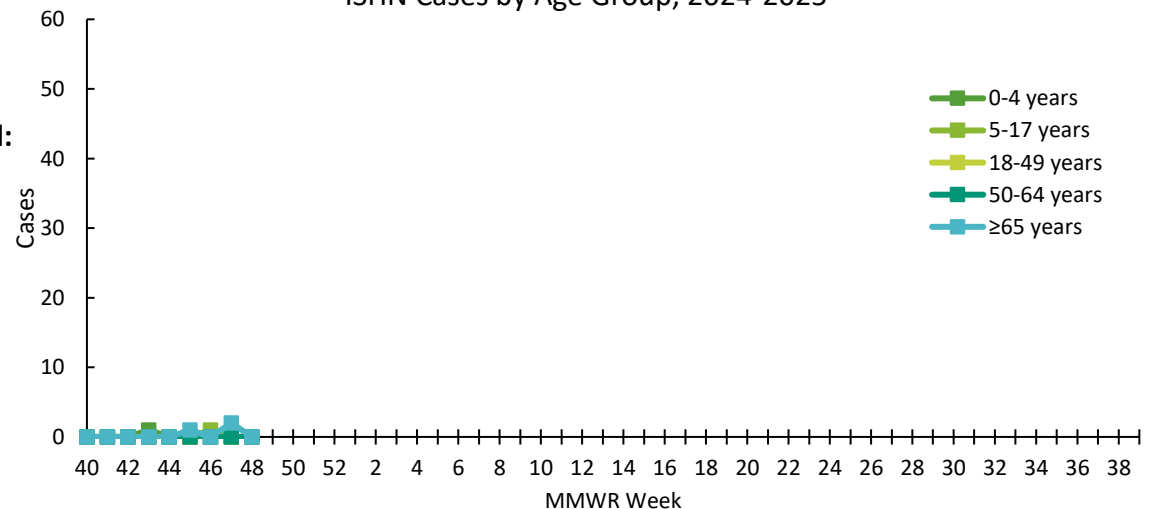
of Sites & Hospitalizations by Region during this time period:

Region	C	N	SE	SW	Total
Reporting Sites	3	1	0	5	9
Hospitalizations	0	0	0	0	0

Total # of Reported Hospitalizations for ISHN by Region:

Age Group	C	N	SE	SW	Total
0-4	0	0	0	1	1
5-17	0	0	0	1	1
18-49	0	0	0	0	0
50-64	0	0	0	0	0
65+	1	0	0	2	3
Total	1	0	0	4	5

ISHN Cases by Age Group, 2024-2025



If you'd like to join ISHN, please contact
 Val Tellez Nunez at telleznunezv@michigan.gov

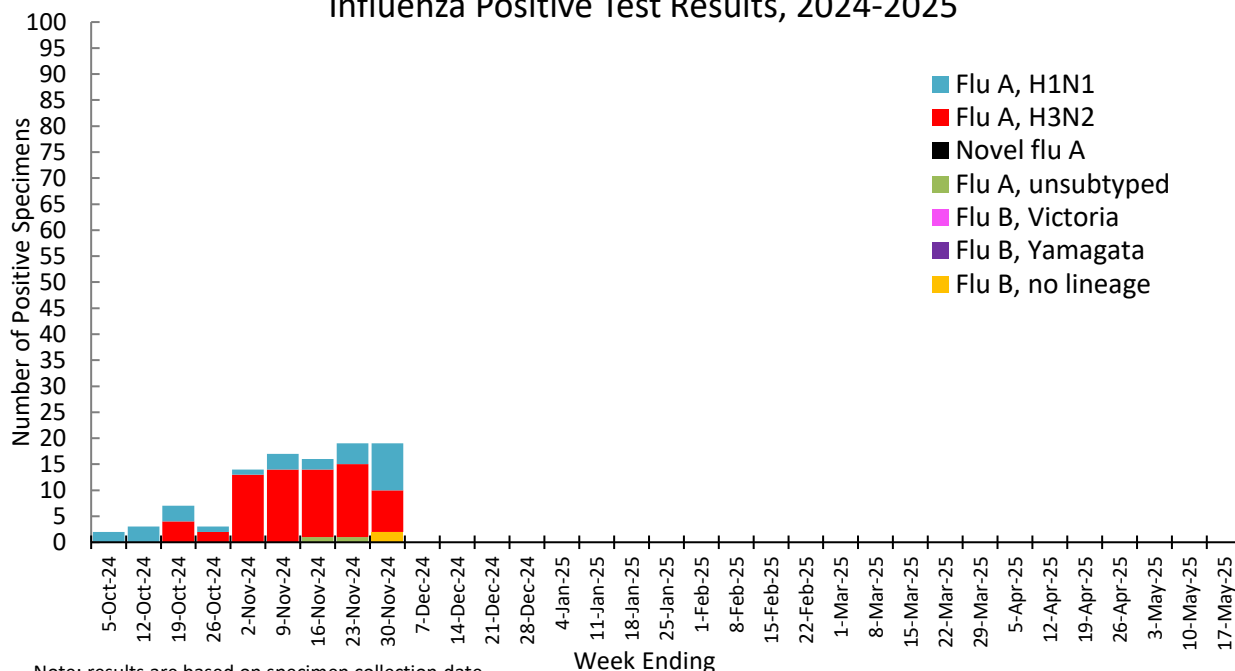
MDHHS Bureau of Laboratories (BOL) Virology Laboratory Data

There were **19** (5C, 0N, 13SE, 1SW) positive influenza results reported by the MDHHS Bureau of Laboratories (BOL) during this time period. Positive flu results for the 2024-2025 season are summarized below.

of Positive Influenza Virus Results by Region

	C	N	SE	SW	Total
Flu A H1N1	5	0	19	4	28
Flu A H3N2	12	0	51	5	68
Novel flu A*	0	0	0	0	0
Flu A unsubtype	1	0	1	0	2
Flu B Victoria	0	0	0	0	0
Flu B Yamagata	0	0	0	0	0
Flu B no lineage	1	0	1	0	2
Total	19	0	72	9	100

Influenza Positive Test Results, 2024-2025



Note: results are based on specimen collection date

*Novel influenza A results include: H5, H1N1v, H1N2v, H7N2v, H1v, H3v

Michigan Sentinel Clinical Lab Network

Respiratory Virus Data

Five (5) sentinel clinical labs (2SE, 1SW, 2C, 0N) reported for the week ending 11/30/2024.

Southeast Region		
Influenza A:	Low ↑	↑ = Increase from previous week
Influenza B:	Sporadic – low ↑	
SARS-CoV-2:	Low - elevated ↓	
Parainfluenza:	Low - slightly elevated ↓	↓ = Decrease from previous week
RSV:	Moderate ↑	
Adenovirus:	Low ↑	→ = Similar to previous week
hMPV:	Sporadic ↓	
Central Region		
Influenza A:	Low ↓	
Influenza B:	No activity →	
SARS-CoV-2:	Low ↑	
Parainfluenza:	Low – moderate ↓	
RSV:	Low - slightly elevated ↑	
Adenovirus:	Low ↓	
hMPV:	Low →	
Southwest Region		
Influenza A:	Low ↑	
Influenza B:	No activity →	
SARS-CoV-2:	Low - slightly elevated ↓	
Parainfluenza:	Low ↑	
RSV:	Sporadic - low ↓	
Adenovirus:	No activity ↓	
hMPV:	Sporadic – low ↑	
North Region		
Influenza A:	No data available	
Influenza B:	No data available	
SARS-CoV-2:	No data available	
Parainfluenza:	No data available	
RSV:	No data available	
Adenovirus:	No data available	
hMPV:	No data available	

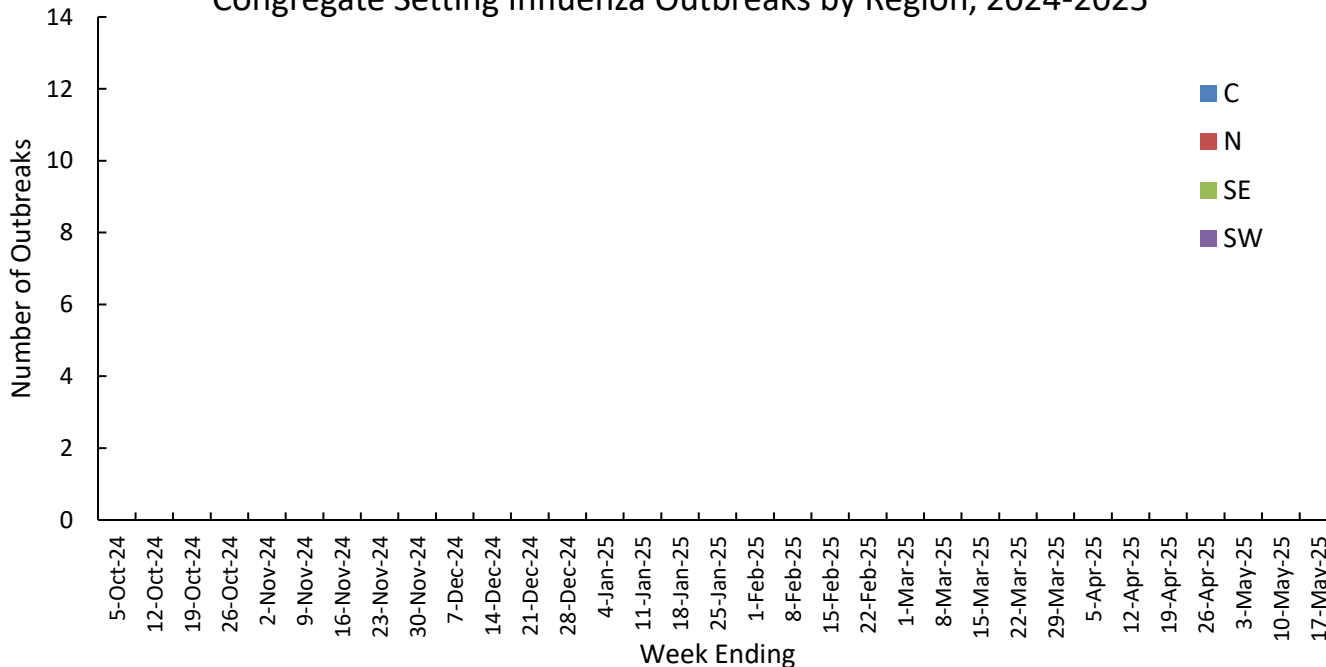
There were no confirmed influenza outbreaks reported to MDHHS during this time period. Influenza outbreaks for the 2024-2025 season are summarized below.

of Reported Influenza Outbreaks by Region

Facility Type	C	N	SE	SW	Total
Schools: K-12 & College	0	0	0	0	0
Long-term Care / Assisted Living Facility	0	0	0	0	0
Healthcare Facility	0	0	0	0	0
Daycare	0	0	0	0	0
Homeless Shelter	0	0	0	0	0
Correctional Facility	0	0	0	0	0
Other	0	0	0	0	0
Total	0	0	0	0	0

Note: Data are reported on outbreaks with laboratory confirmed influenza. Other non-influenza, non-COVID outbreaks, and ILI outbreaks without confirmatory influenza testing will not be reported in the table and graph.

Congregate Setting Influenza Outbreaks by Region, 2024-2025



Did you know?

Congregate setting outbreaks of viral respiratory illness are required to be reported to your local health department? See:

- Influenza Guidance for [Local Health Departments \(LHDs\)](#), [Healthcare Providers](#), and [Laboratories](#)

Outbreak Response Resources:

- [MDHHS Guidelines for Influenza and Respiratory Virus Outbreaks in Long-Term Care Facilities](#)
- [MDHHS Respiratory Virus Outbreaks in Nursing Homes Flow Diagram](#)
- [MDHHS Respiratory Illness Outbreak Response Tool for use in Skilled Nursing Facilities](#)
- [CDC Viral Respiratory Pathogens Toolkit for Nursing Homes](#)

For information on COVID-19 outbreaks, please visit the [Michigan Respiratory Virus Dashboard](#)



- National Influenza Vaccination Week (NIVW) is observed from December 2-6, 2024, highlighting the ongoing importance of flu vaccination throughout the season.
- This toolkit includes CDC NIVW resources, vaccination messages, and posters you can use to share key flu information with your networks. Click on a poster to view the Spanish version.
- Include sample text in your next email newsletter or other communications to let others know.
- Remind patients at your practice to get their annual flu vaccine by sharing these messages through your patient portal or other reminders.

[National Influenza Vaccination Week \(NIVW\) Toolkit](#)

Influenza News Blast

- [Do I have a cold, the flu or COVID-19? Here's how to tell the difference \(Detroit Free Press\)](#)
- [Why health officials say now is the time to get a flu shot \(MLive\)](#)
- [Higher risk of accompanying bacterial infections with flu, RSV than SARS-CoV-2 \(CIDRAP\)](#)
- [Bird Flu Virus Is One Mutation Away from Binding More Efficiently to Human Cells \(Scientific American\)](#)
- [Flu cases make NHS busier than ever with 95% of beds full \(BBC\)](#)
- [Flu vaccine estimated to be 21% effective against flu spread to household members \(CIDRAP\)](#)

Additional Resources

- [MDHHS Respiratory Virus Dashboard](#)
- [MDHHS Influenza Webpage](#)
- [MDHHS Bureau of Laboratories \(BOL\) Flu Webpage and Test Request Forms](#)
- [Immunization Action Coalition: Ask the Experts - Flu](#)
- [National Wastewater Surveillance System \(CDC\)](#)
- [CDC FluView](#)
- [Vaccine finder \(vaccines.gov\)](#)

View Michigan Flu Focus Report archives [here](#).

2024-2025 Influenza Season Preliminary Burden Estimates

The Centers for Disease Control and Prevention (CDC) have released [preliminary in-season burden estimates](#) for the 2024-2025 flu season.

Since October 1, 2024, CDC estimates that there have been between:

770,000 – 1.5 million
flu illnesses

350,000 – 650,000
flu medical visits

9,900 – 22,000
flu hospitalizations

430 – 2,100
flu deaths

Data as of November 30, 2024

MDHHS Contributors

Bureau of Infectious Disease Prevention: A. Eaton, MPH, L. Leegwater, MPH, L. Reeg, MPH, S. Kim, MPH, V. Tellez Nunez, MPH
Bureau of Laboratories: K. Margulieux, PhD, V. Vavricka, MS