



Michigan Flu Focus

Weekly Influenza Surveillance Report

March 25, 2022

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Week Ending March 19, 2022 | WEEK 11

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

Updates of Interest

On March 24th, the Michigan Department of Natural Resources (DNR) announced HPAI A(H5) is now confirmed in the state's wild bird population, as [identified in Macomb, Monroe, and St. Clair counties](#). CDC considers the risk to the public from HPAI viruses to be low.

MDHHS has developed a set of guidelines and tools for health monitoring of potentially exposed people. Please visit www.michigan.gov/cdinfo, under "Communicable Diseases (A-Z)," Influenza topic.

Seasonal Flu Vaccination Coverage

Michigan's goal is to vaccinate **4 million** residents during the 2021-2022 flu season.

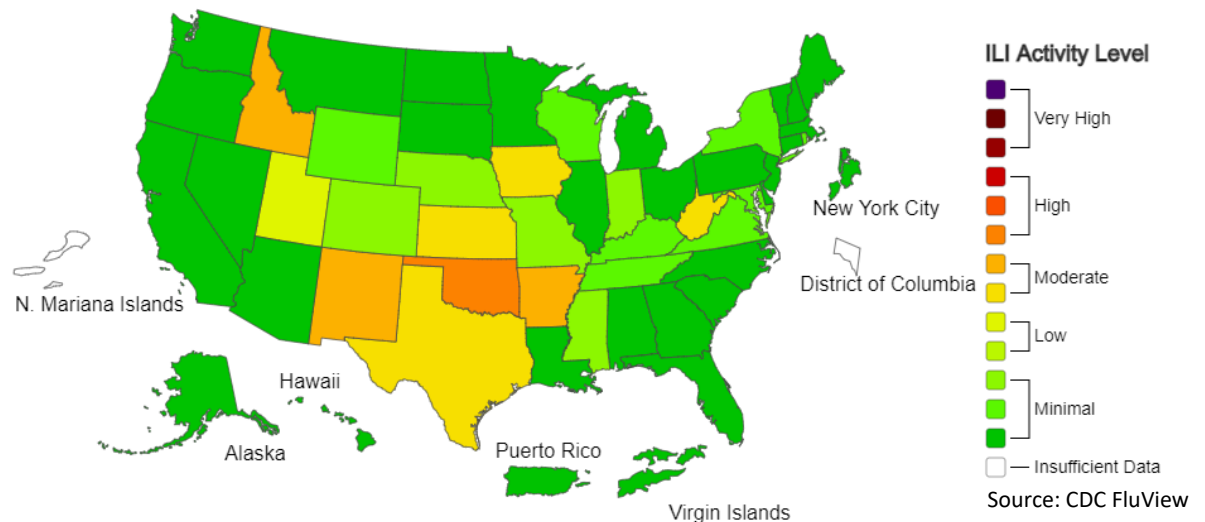
As of **March 19, 2022** there have been **3,161,040** doses administered (**81.7%** towards goal) for the 2021-2022 flu season.

Please visit the Flu Vaccination Dashboard at www.michigan.gov/flu for more info.

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.

2021-22 Influenza Season Week 11 ending Mar 19, 2022



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 2021-2022 influenza season

Influenza-associated Pediatric Mortality

Nationally, thirteen (13) influenza-associated pediatric deaths have been reported thus far for the 2021-2022 flu season.

No pediatric deaths have been confirmed by MDHHS for the 2021-2022 flu season to date.

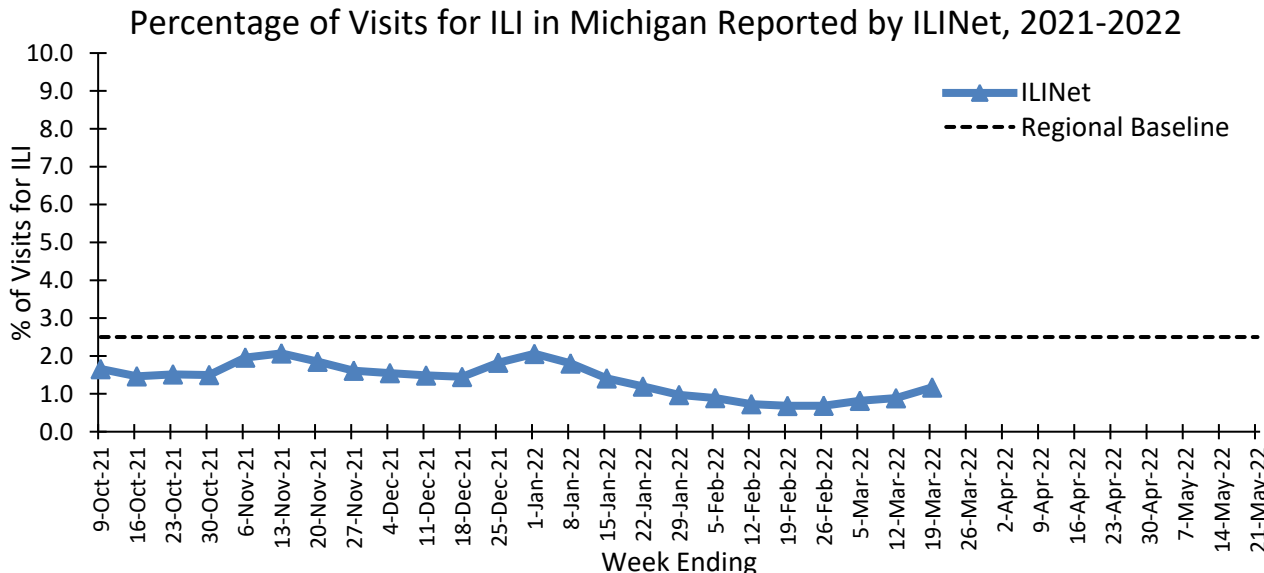
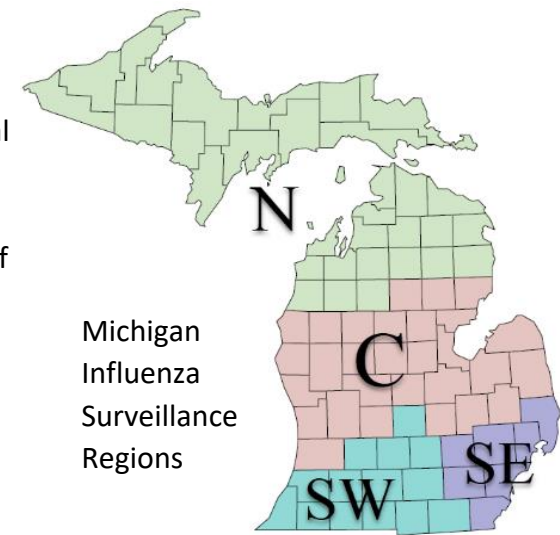
U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

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. One-hundred and forty-one (141) Michigan facilities contributing data to ESSENCE were validated and enrolled in ILINet for the 2021-2022 flu season.

[‡]ILI is defined as fever (>100°F) and a cough and/or a sore throat (new definition for the 2021-2022 season).

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

Region	C	N	SE	SW
No. of Reporters (152)	51	18	55	28
ILI %	1.4	1.6	1.0	1.3



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: **1.2%**

(Last week: 0.9%)

Regional Baseline*: 2.5%

A total of 857 patient visits due to ILI were reported out of 73,297 outpatient visits for Week 11.

*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, **1.8%** of outpatient visits were due to ILI (Last week: 1.7%)

This is **below** the national baseline of 2.5%

Become an ILINET provider!

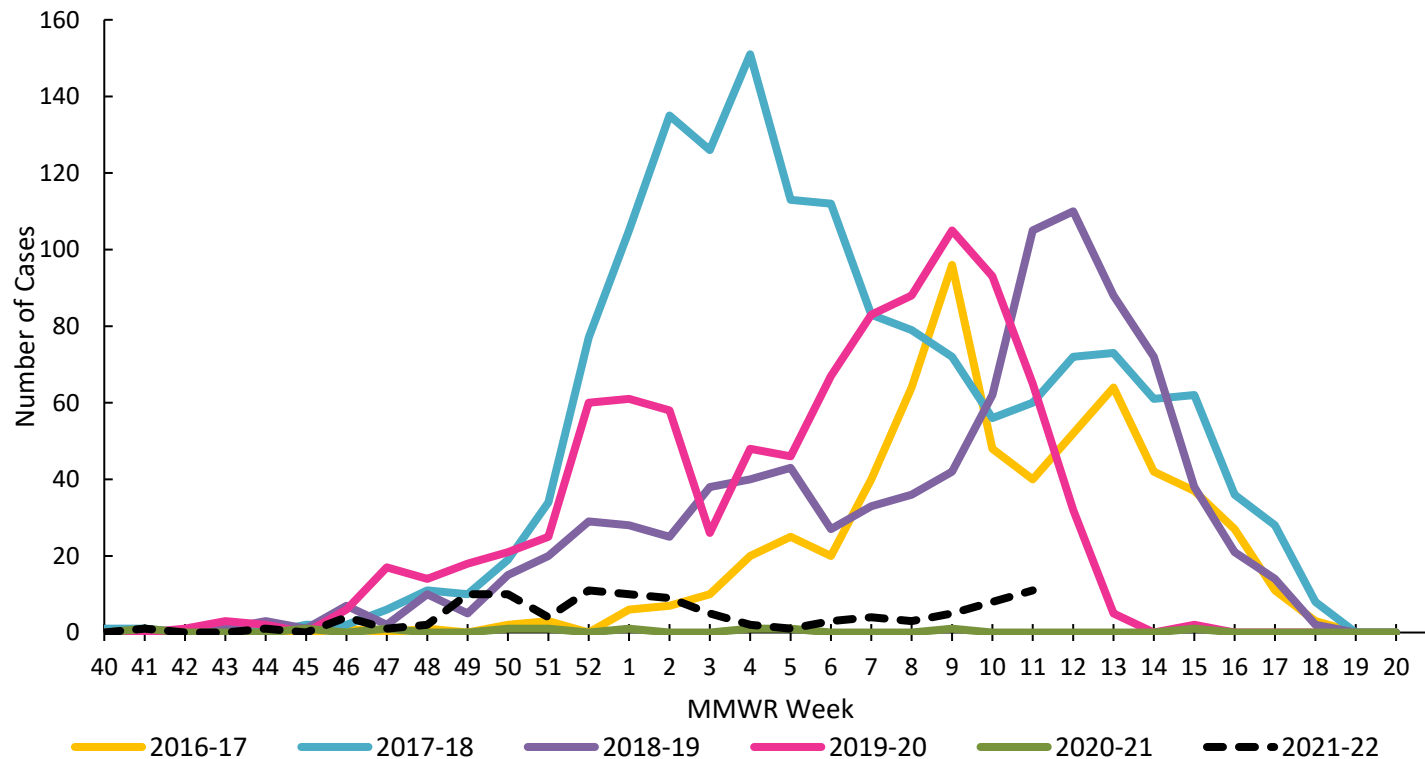
Contact Shelly Doebler at DoeblerM@michigan.gov

Influenza Hospitalization Surveillance Project (IHSP)

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 as an IHSP state in FluSurv-NET for Clinton, Eaton, Genesee, Ingham, and Washtenaw Counties.

There were 11 (3 pediatric, 8 adult) influenza-associated hospitalizations reported to MDHHS for the IHSP during this time period. Since October 1st, 105 (27 pediatric, 78 adult) influenza-associated hospitalizations were reported in the catchment area for the 2021-2022 season.

IHSP Cases, 2016-2017 through 2021-2022



Washtenaw County was added in the 2017-2018 season

Join the Influenza Sentinel Hospital Network (ISHN)!

What is it? ISHN is a group of hospitals in Michigan that voluntarily report weekly aggregate counts of influenza positive inpatients to assist MDHHS with statewide influenza surveillance.

How it works: As a participating hospital in the ISHN, you would complete a brief Survey Monkey every week containing:

- Number of hospitalizations with a positive influenza test by age group during that time period
- The total number of hospitalizations due to any condition during that time period (if available)

The data you provide will assist public health in recognizing changes in the age or geographic distribution of influenza in this population.

If your facility is interested in participating or would like more information, please contact Sue Kim (KimS2@michigan.gov)

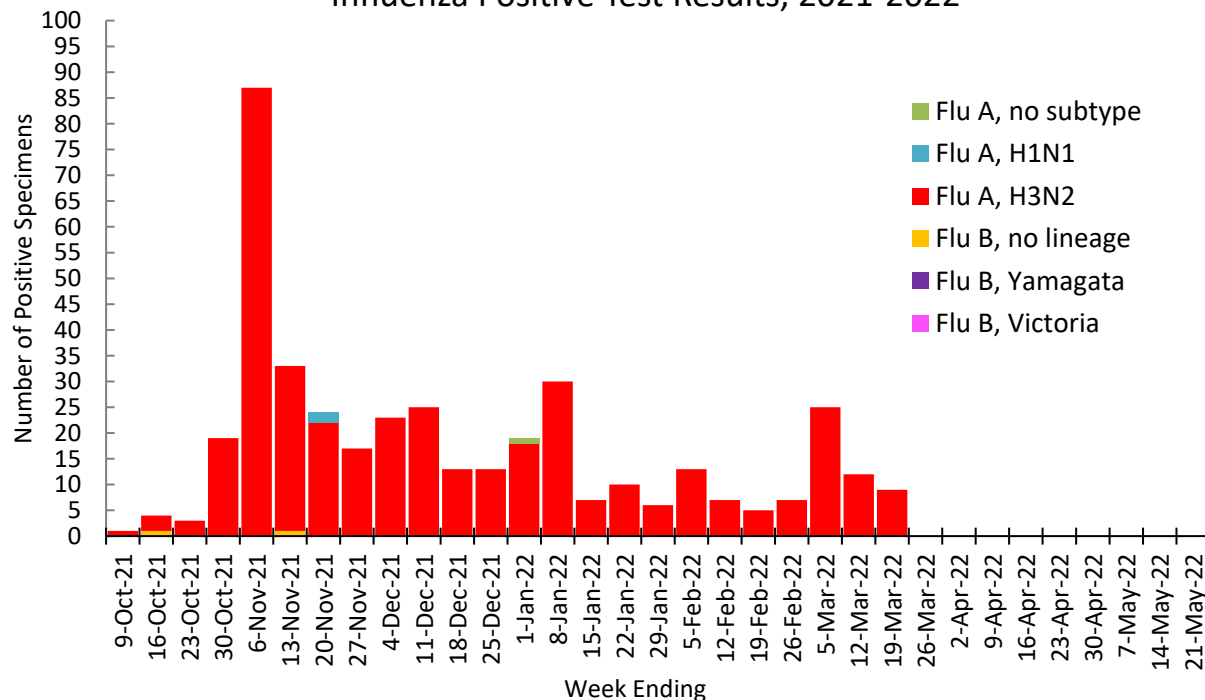
MDHHS BOL Virology Laboratory Data

There were 9 (6C, 0N, 3SE, 0SW) positive influenza results reported by the MDHHS Bureau of Laboratories (BOL) during this time period. Positive flu results for the 2021-2022 season are summarized below.

of Positive Influenza Virus Results by Region

	C	N	SE	SW	Total
H1N1	0	0	2	0	2
H3N2	109	21	199	78	407
Infl B	0	0	2	0	2
Total	109	21	203	78	411

Influenza Positive Test Results, 2021-2022



Note: Based on Specimen Collection Date. Flu B lineage data will be reported based on MDHHS BOL testing runs and will be backtracked into this graph

Michigan Sentinel Clinical Lab Network Respiratory Virus Data

Eight (8) sentinel clinical labs (2SE, 1SW, 4C, 1N) reported for the week ending 03/19/2022

SE Region	
Influenza A:	elevated
Influenza B:	no activity
Parainfluenza:	low
RSV:	slightly elevated
Adenovirus:	low
hMPV:	elevated
Central Region	
Influenza A:	variable - high
Influenza B:	sporadic
Parainfluenza:	sporadic – low
RSV:	low
Adenovirus:	low – slightly elevated
hMPV:	elevated
SW Region	
Influenza A:	elevated
Influenza B:	no activity
Parainfluenza:	no activity
RSV:	sporadic – low
Adenovirus:	low
hMPV:	low
North Region	
Influenza A:	low
Influenza B:	sporadic
Parainfluenza:	sporadic – low
RSV:	sporadic – low
Adenovirus:	no activity
hMPV:	sporadic

There were 2 (2C, 0N, 0SE, 0SW) influenza outbreaks reported to MDHHS during this time period. Influenza outbreaks for the 2021-2022 season are summarized below.

of Influenza Outbreaks by MI Region

Facility Type	C	N	SE	SW	Total
Schools: K-12 & College	2	1	1	2	6
Long-term Care / Assisted Living Facility	6	1	0	1	8
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	8	2	1	3	14

Did you know?

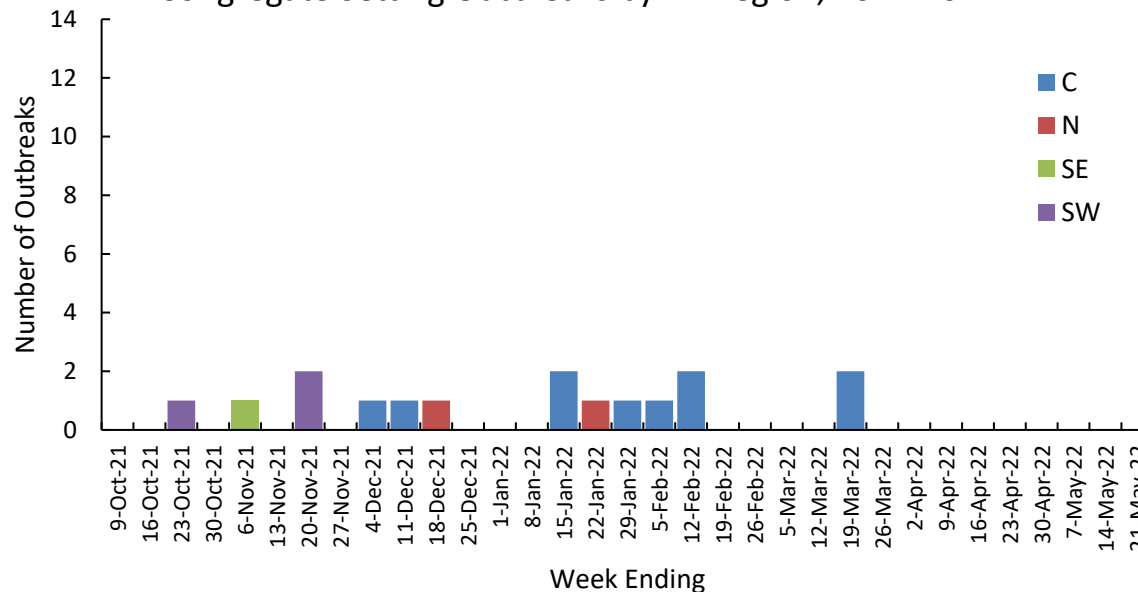
Congregate setting outbreaks of viral respiratory illness are required to be reported to your local health department? See:

- [Influenza Guidance for Healthcare Providers](#)
- [Guideline for influenza and Respiratory Virus Outbreaks in Long-Term Care Facilities](#)

Note: Data are reported on laboratory confirmed influenza outbreaks. For information on outbreaks exclusively associated with COVID-19, please visit the MDHHS Covid-19 webpage located under Additional Resources on the last page. Non-flu, non-COVID outbreaks and ILI outbreaks without confirmatory flu testing are not reported in the table and graph.

Mixed outbreaks with confirmed flu (including COVID) will be included in the table and graph. There were 0 mixed outbreaks reported during Week 11.

Congregate Setting Outbreaks by MI Region, 2021-2022



U.S. Department of Health and Human Services Seeking Public Comment for Vaccines Federal Implementation Plan 2021-2025

The [Vaccines Federal Implementation Plan 2021-2025](#) (VFIP) is a guide to the [Vaccines National Strategic Plan 2021-2025](#) (Vaccine Plan), released in 2021 under Public Health Services Act 2103 through the Office of Infectious Disease and HIV/AIDS Policy. The Vaccine Plan vision: *The United States will be a place where vaccine-preventable diseases are eliminated through safe and effective vaccination over the lifespan.* The VFIP acts as a roadmap by providing federal agencies a detailed list of actions implemented to reach specific goals of the Vaccine Plan.

The five goals of the Vaccine Plan are: *foster innovation in vaccine development and related technologies, maintain the highest possible levels of vaccine safety, increase knowledge of and confidence in routinely recommended vaccines, increase access to and use of all routinely recommended vaccines, and protect the health of the nation by supporting global immunization efforts.*

The VFIP is currently in [draft form](#) and accepting recommendations and suggestions. The deadline for input from the public, including health care providers, ends on Tuesday, March 29, 2022, at 5 p.m. Comments may be submitted to: nvp.rfi@hhs.gov.

As a reminder, CDC recommends providers continue to encourage flu vaccination while flu viruses are still circulating within our communities. Vaccines are widely available, and individuals can find a location to get a flu vaccine at <https://www.vaccines.gov/>.

Influenza News Blast

- [CDC Provides Interim Estimates of 2021–22 Seasonal Influenza Vaccine Effectiveness](#)
- [CDC Study Shows Flu Vaccination Prevents Severe Flu Illness in U.S. Children](#)
- [Meta-Analysis Shows Low Incidence of Influenza and SARS-CoV-2 Coinfection](#)
- [H5N1 Bird Flu Virus in U.S. Wild Birds, Poultry Poses a Low Risk to the Public](#)
- [CDC Program Engages Partners to Promote Vaccine Equity Among Racial and Ethnic Minority Groups](#)
- [Mandatory Influenza Vaccination for Healthcare Personnel Honor Roll](#)

Additional Resources

- [MDHHS Influenza Webpage](#)
- [MDHHS COVID-19 Outbreak Reporting](#)
- [MDHHS Bureau of Laboratories \(BOL\) Webpage and Test Request Forms](#)
- [Influenza Surveillance in Michigan](#)
- [Immunization Action Coalition: Ask the Experts - Flu](#)
- [CDC Healthcare Professionals Flu Toolkit](#)
- [CDC FluView Weekly Report](#)

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

Influenza Burden Estimates

The Centers for Disease Control and Prevention (CDC) have released [preliminary in-season burden estimates](#) for the 2021-2022 flu season.

CDC estimates that, from **October 1, 2021 through March 19, 2022** there have been:

- **3.1 million – 5.2 million** flu illnesses
- **1.5 million – 2.4 million** flu medical visits
- **31,000 – 62,000** flu hospitalizations
- **1,800 – 5,200** flu deaths

Note: CDC was not able to calculate the cumulative burden of flu for the 2020-2021 flu season, due to historically low numbers of flu.

More information on the 2020-2021 flu season burden estimates is available [here](#).

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