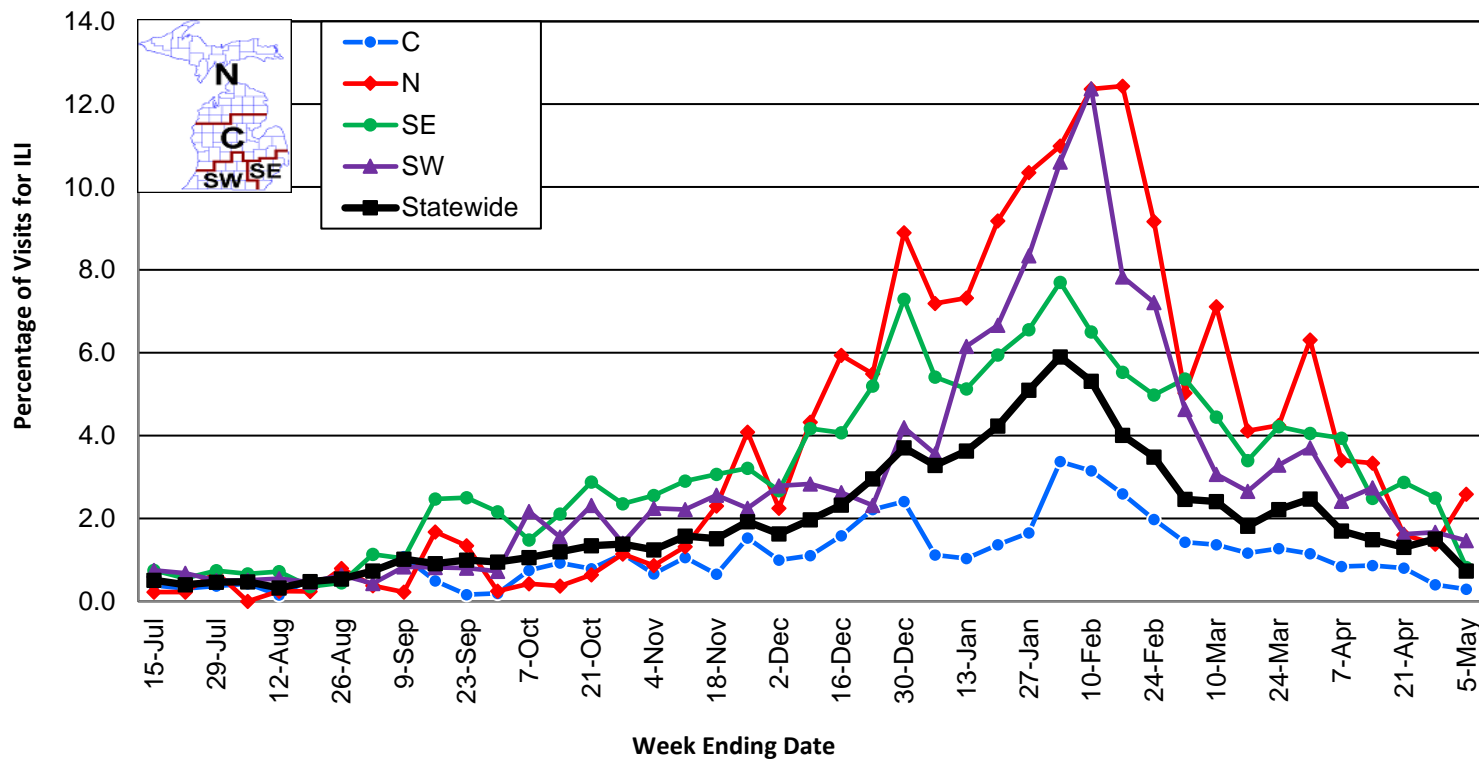


- Number of reports by region: 25 total [C(10), N(2), SE(8), SW(5)]
- Proportion of visits due to ILI: ↓ 0.7 % (regional baseline*: 1.8%)
- A total of 46 patient visits due to ILI were reported out of 6,296 office visits

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

Percentage of Visits for Influenza-like Illness (ILI)
Reported by Sentinel Providers, Statewide and Regions
2016-17 and 2017-18 Flu Seasons



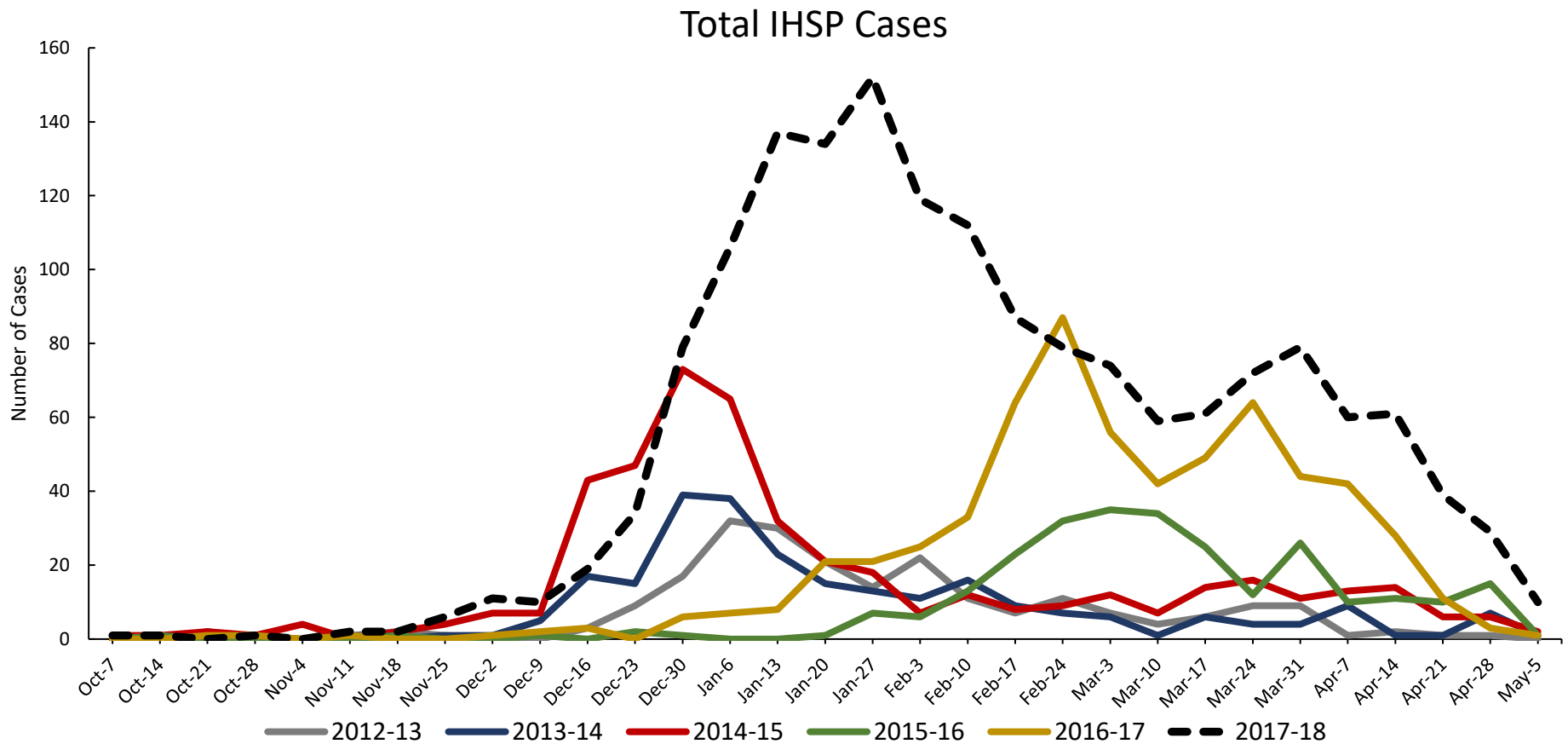
Become a Sentinel Provider! Contact:
EckelS1@michigan.gov

National Surveillance

In the United States, 1.5% of outpatient visits were due to influenza-like illness, which is below the national baseline of 2.2%.

Influenza Hospitalization Surveillance Project

The CDC Influenza Hospitalization Surveillance Project (IHSP) provides population-based rates of hospitalization due to severe influenza-related illness through active surveillance and chart review of lab-confirmed cases from Oct. 1, 2017 until Apr. 30, 2018, for Clinton, Eaton, Ingham, Genesee, and Washtenaw counties. Since Oct. 1, there have been a total of **1,636 (149 pediatric, 1,487 adult)** influenza-related hospitalizations reported in the catchment area for the 2017-2018 season.



Genesee County was added in 2012-2013

Washtenaw County was added in 2017-2018

MDHHS Bureau of Laboratories reported 4 new positive influenza results (1C, 0N, 1SE, 2SW).

Respiratory Virus	# Positive Respiratory Virus Results by Region				Overall Total
	C	N	SE	SW	
2009 A/H1N1pdm	28	4	22	24	78
Influenza A/H3	214	41	105	219	579
Influenza B	68	15	49	81	213
Total	310	60	176	324	870

Michigan Sentinel Clinical Lab Respiratory Virus Data

Six (6) sentinel clinical labs (0SE, 2SW, 4C, 0N) reported during this week

SE Region

- No data available

Central Region

- Influenza A: low; variable
- Influenza B: low or slightly elevated; downward trend; predominant
- Parainfluenza: modestly elevated
- RSV: low; steady
- Adenovirus: low
- hMPV: slightly elevated

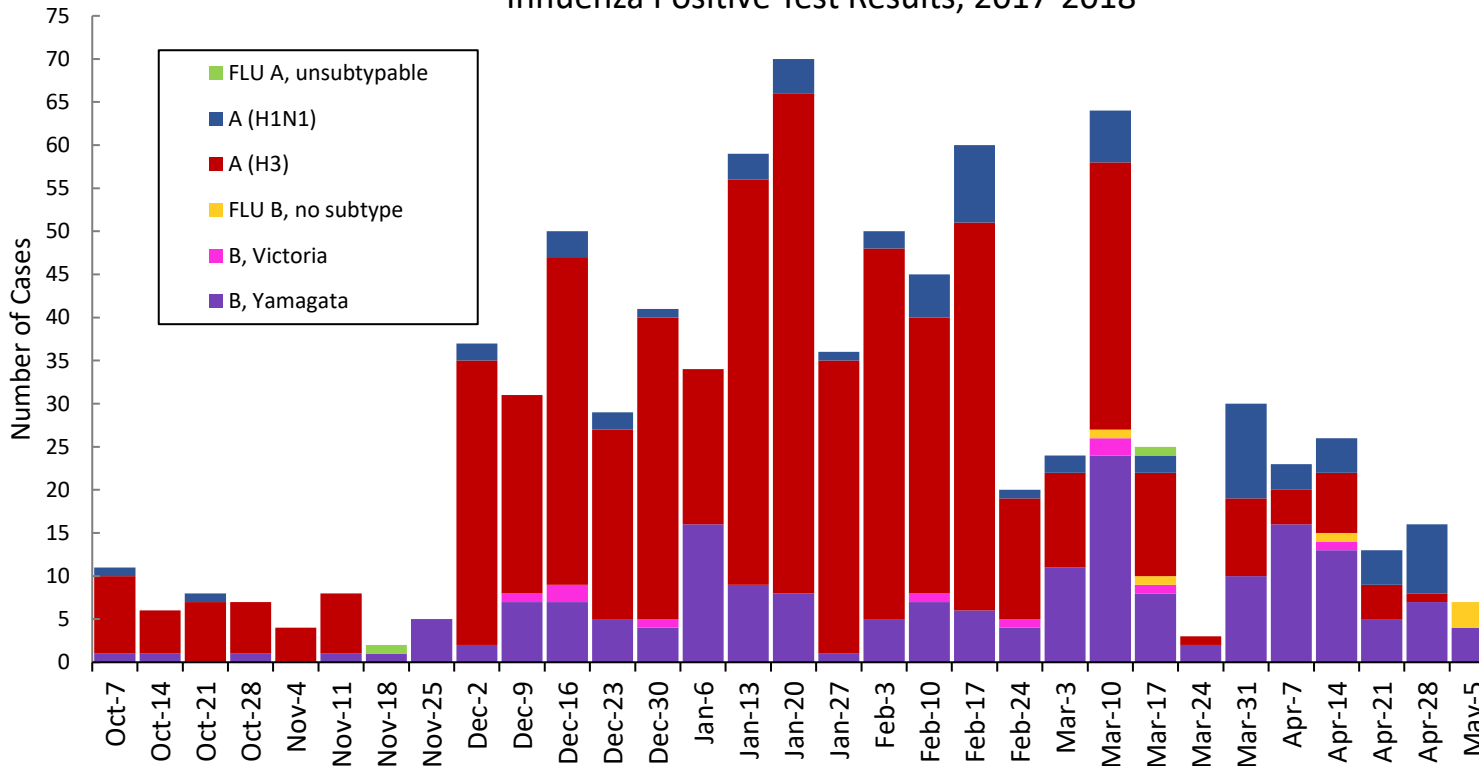
SW Region

- Influenza A: low; downward trend
- Influenza B: modestly elevated; variable; predominant
- Parainfluenza: low
- RSV: low; downward trend
- Adenovirus: sporadic
- hMPV: slightly elevated; steady

North Region

- No data available

Influenza Positive Test Results, 2017-2018



*Based on STARLIMS MDHHS BOL Testing Portal

Note: Flu B subtyping will be reported based on MDHHS BOL testing runs (roughly each month) and will be backtracked into this graph

Most recent MDHHS BOL Flu B subtyping run: **May 4, 2018.**

There were 3 (0N, 0C, 2SE, 1SW) new respiratory viral outbreaks reported to MDHHS during this time period. Respiratory outbreaks for the 2017-2018 season are listed in the table below.

Facility Type	C	N	SE	SW	Total	2015-2016 Total	2016-2017 Total
Schools: K-12 & College	9		2	3	14	10	25
Long-term Care / Assisted Living Facility	93	10	66	68	237	60	138
Healthcare Facility	2		2		4	11	23
Daycare	2			2	4	2	3
Homeless Shelter						0	1
Correctional Facility	1	4	1	4	10	2	2
Other						2	3
Total	107	14	71	77	269	87	195

Did you know?

Congregate setting outbreaks of viral respiratory illnesses 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](#)

FluBytes

- [Phase 2 clinical study of universal influenza vaccine begins in the United States](#)
- [Maternal flu vaccine may protect infants from severe pneumonia](#)

MDHHS Contributors

Bureau of Family Health Services -

Bureau of Epidemiology and Population Health –
S. Bidol, MPH, S. Eckel, MPH, S. Kim, MPH, M. Ladisky

Bureau of Labs – B. Robeson, MT, V. Vavricka, MS

For questions or to be added to the distribution list, please contact Seth Eckel at EckelS1@michigan.gov