

Week 18 Highlights

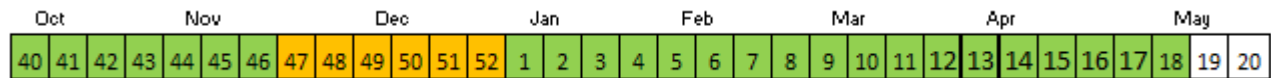
The weekly Influenza Watch summarizes the flu surveillance in the City of Cleveland. The metrics in this report include the number and percentage of emergency department visits for influenza-like illness, confirmed hospitalizations for the flu, and the deaths each week due to pneumonia and influenza.

- For the 17th consecutive week, flu activity remains *Low*
- 4.5% of the 312 deaths reported were due to pneumonia. 0 influenza death were reported this week and there have been 6 influenza deaths so far this season.
- 9 confirmed cases of influenza-associated hospitalization were reported this week. 113 hospitalizations due to the flu were reported this season
- 1.38% of emergency department visits were for flu-like illness
- Influenza A remains the predominant strain. The vaccine remains a good match for the current circulating strain of Influenza A.

Flu Intensity



Seasonal Flu Intensity

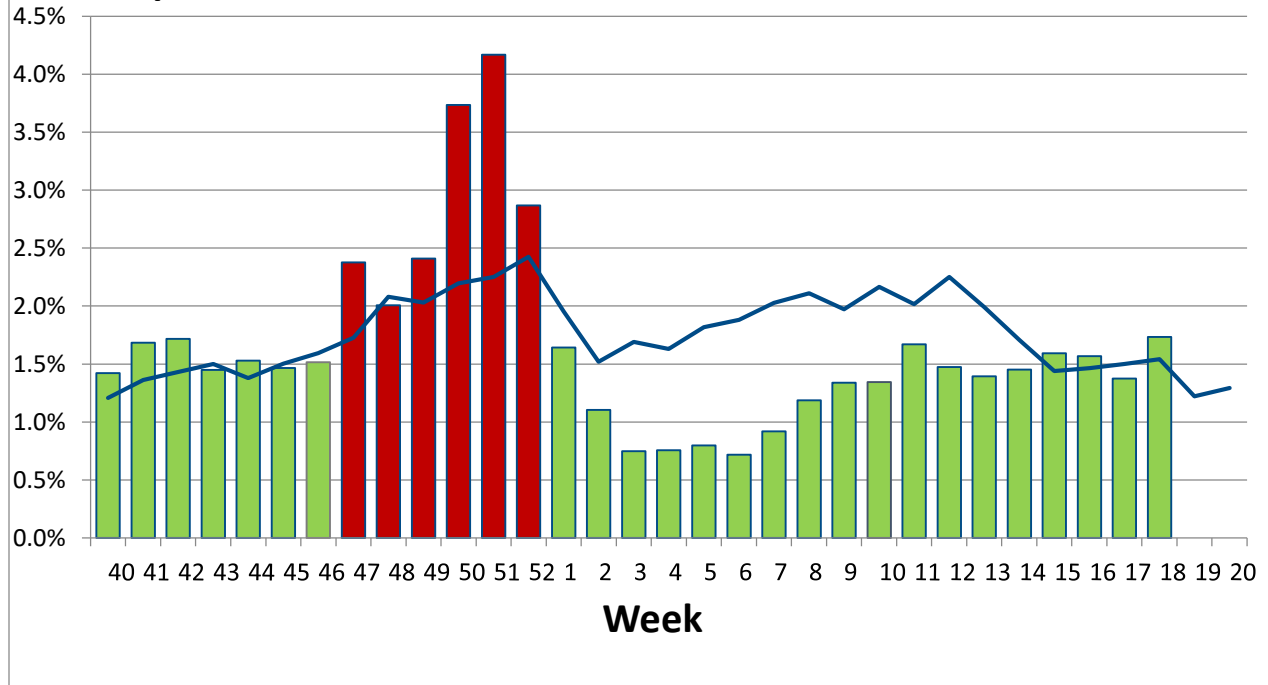


Influenza (Flu) Intensity Indicators	This Week n (%)	Activity Compared to Last Week	Season Total n (%)
Emergency Department visits for Influenza-Like Illnesses	110 (1.73%)	+0.35%	3,022 (1.73%)
Confirmed Influenza Hospitalizations [‡]	15	-2	136
Pneumonia- & Influenza-Related Deaths	13 (4.9%)	+0.4%	1,248 (11.3%)

*Deaths represent all deaths for Cuyahoga County. All other data presented are City of Cleveland-specific
Data are preliminary and subject to change as more information is gained.
The three indicators for calculating the intensity thresholds are based [on 2017 methodology from the Centers for Disease Control and Prevention.](#)

Influenza-Like Illnesses

Figure 1: 2021-2022 Proportion of Emergency Department Visits for Influenza-Like Illnesses



LOW < 1.88%	MODERATE 1.88% - 1.94%	HIGH 1.94% - 1.99%	VERY HIGH 1.99% <
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The proportion of Emergency Room visits this reporting week for influenza-like illnesses remains under the *low* threshold and comparable to the 5-year average. 57% of visits were male. Regarding race and ethnicity, 41% of visits were Black or African American individuals; 24% were among White individuals; and 35% of visits were among other racial groups. 20% of visits were among Hispanic or Latin individuals. The median age this week is 4.5 years.

Data Source: Health Monitoring Systems: EpiCenter 3.5.18. Data extracted on 5/11//2022.

Low, Moderate, and High intensity thresholds are defined as the 50%, 90%, and 99% Confidence Intervals, respectively, based on the 5-Year Average of previous seasons

Influenza-associated Hospitalizations

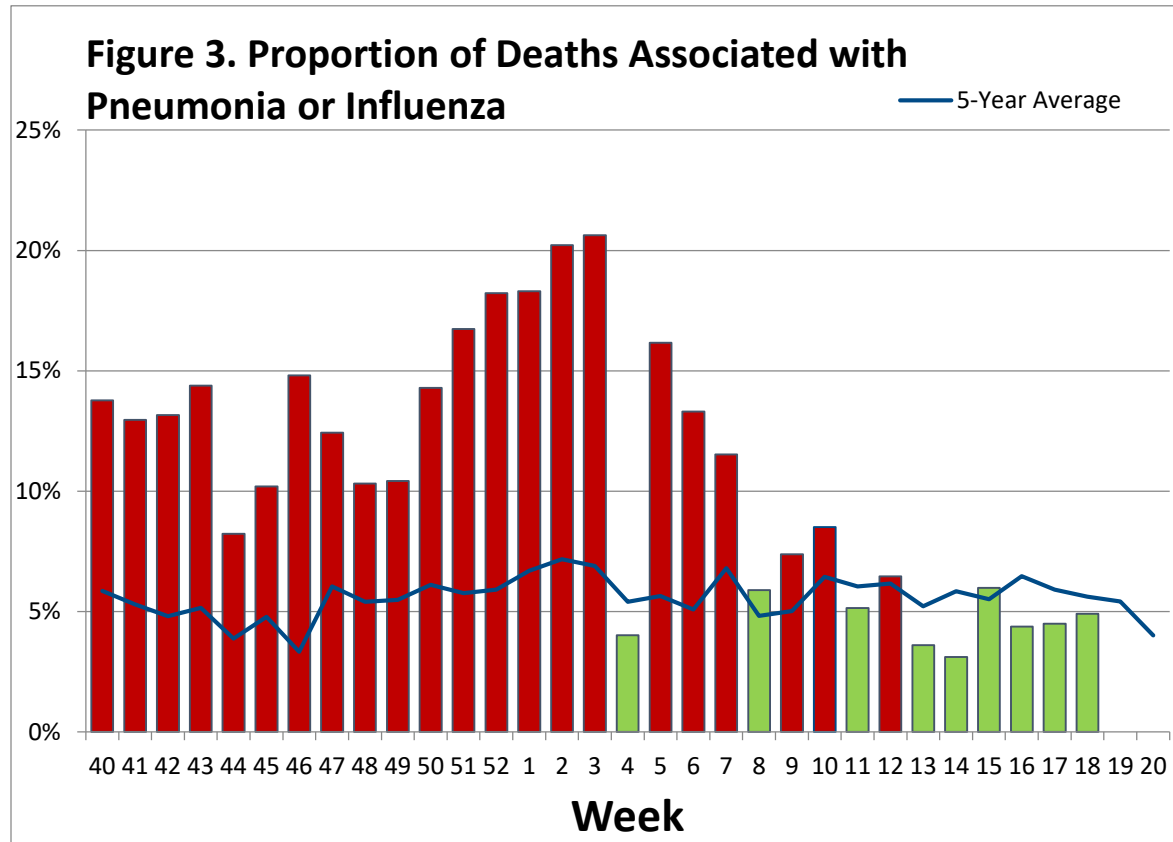
MMWR	Hospitalizations	5-Year Average
Week 5	2	23.6
Week 6	3	29.4
Week 7	2	30.0
Week 8	1	29.2
Week 9	0	28.2
Week 10	3	33.2
Week 11	12	31.8
Week 12	12	34
Week 13	9	34.8
Week 14	12	30.6
Week 15	3	17.4
Week 16	9	10.6
Week 17	17	5.4
Week 18	15	5.8
Season Total	136	617.6

The number of hospitalizations for influenza this week is the 2nd highest that it has been all of this season, close to 2-fold higher than what has been observed over the past 5 years but still below the *low* threshold. Influenza A is the predominant strain, which was observed among all of cases this week. This week there were 15 influenza-associated hospitalizations which brings the season total to 136.

Data Source: Ohio Department of Health: Ohio Disease Reporting System. Data extracted on 5/12/2022. Data are preliminary and subject to change as more information is gained.

Low, Moderate, and High intensity thresholds are defined as the 50%, 90%, and 99% Confidence Intervals, respectively, based on the 5-Year Average of previous seasons.

Pneumonia- & Influenza-Associated Deaths*



LOW
< 6.02%

MODERATE
6.02% - 6.19%

HIGH
6.19% - 6.34%

VERY HIGH
6.34% <

There have been 13 deaths this week due to pneumonia or influenza-related illnesses (P&I). The proportion of P&I deaths is under the *low* threshold this week. This week, the data shows there was not an influenza specific-related death. The majority P&I deaths that occurred this season were among individuals aged 45 years and older.

Data Source: Cleveland Department of Public Health Department of Vital Statistics. Data compiled on 5/11/2022. Data are preliminary and subject to change as more information is gained.

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Low, Moderate, and High intensity thresholds are defined as the 50%, 90%, and 99% Confidence Intervals, respectively, based on the 5-Year Average of previous seasons.