

Week 51 Highlights

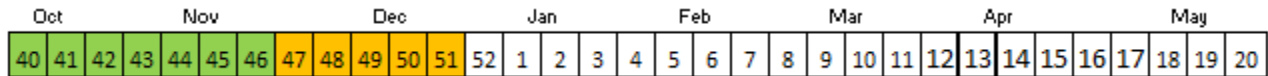
The weekly Influenza Watch summarizes the flu surveillance in the City of Cleveland. The metrics in this report include the number and percentage of emergency department visits for influenza-like illness, confirmed hospitalizations for the flu, and the deaths each week due to pneumonia and influenza.

- This week, flu activity remains “Moderate”
- 16.7% of the 251 deaths reported were due to pneumonia. No influenza deaths were reported this week and there have been no influenza deaths so far this season.
- There were 2 confirmed cases of influenza-associated hospitalization were reported this week. 27 hospitalizations due to the flu were reported this season
- 4.17% 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



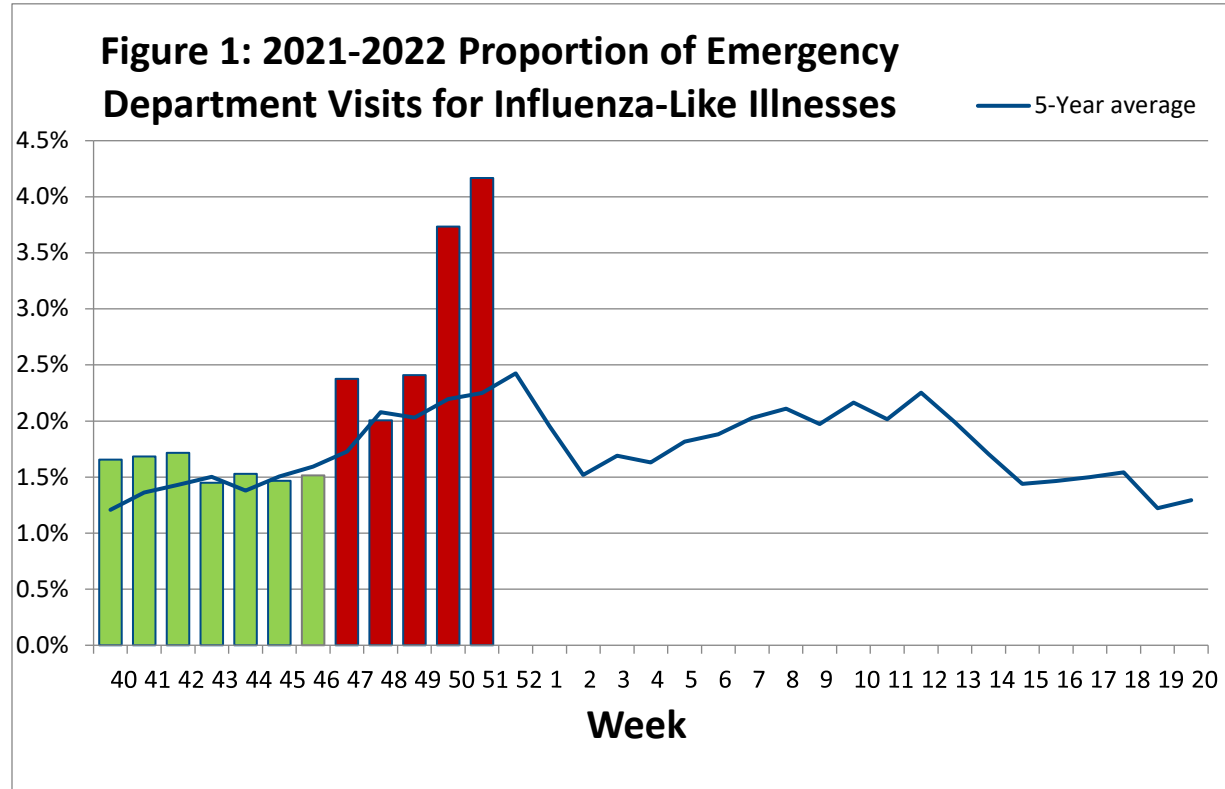
Seasonal Flu Intensity



Influenza (Flu) Intensity Indicators	This Week n (%)	Activity Compared to Last Week	Season Total n (%)
Emergency Department visits for Influenza-Like Illnesses	273 (4.17%)	+0.34%	1,627 (2.17%)
Confirmed Influenza Hospitalizations [‡]	2	-3	27
Pneumonia- & Influenza-Related Deaths	42 (16.7%)	+2.4%	523 (12.4%)

*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



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 for influenza-like illnesses is two-fold above the very high threshold and higher than the 5-year average. This is likely due to the large increase in COVID-19 cases reported with the Omicron variant. This week 46% of visits were among males. Regarding race and ethnicity, 43% of visits were Black or African American individuals; 22% were among White individuals; and 35% of visits were among other racial groups. A little less than a

Data Source: Health Monitoring Systems: EpiCenter 3.5.18. Data extracted on 12/30/2021.
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

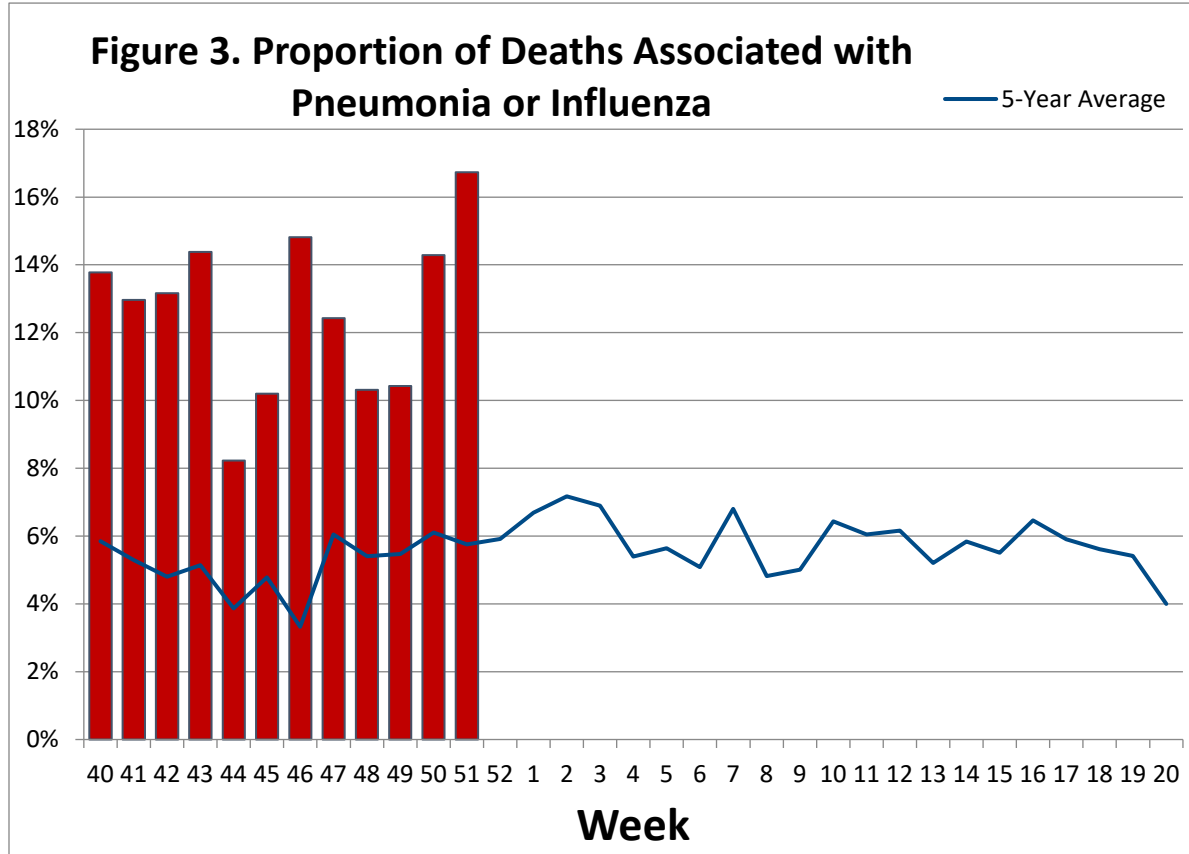
MMWR	Hospitalizations	5-Year Average
Week 40	1	0.2
Week 41	0	0.2
Week 42	0	0.4
Week 43	0	0.6
Week 44	0	1.2
Week 45	1	0.8
Week 46	1	2.2
Week 47	3	8
Week 48	10	12.2
Week 49	4	17.6
Week 50	5	29.6
Week 51	2	35.4
Total	27	108.4

The number of hospitalizations remains very low compared to what has been observed over the past 5 years. Influenza A is the predominant strain currently, which was observed among all of cases this week. This week there were 2 influenza-associated hospitalizations bringing the season total to 27.

Data Source: Ohio Department of Health: Ohio Disease Reporting System. Data extracted on 12/30/2021. 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% <
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There have been 42 deaths this week due to pneumonia or influenza-related illnesses (P&I). The proportion of P&I deaths is 2-fold over the *very high* threshold this week. This is likely because of COVID-19 deaths that had pneumonia complications. 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 12/30/2021. 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.