

## Summary of 2019-20 Hospitalized Influenza Cases in Washtenaw Residents

**Overall:** This was a moderate to severe flu season. Influenza B (43%) viruses circulated early in the season, with Influenza A (57%) peaking later. Influenza A/H1N1 was the dominant Influenza A subtype. Flu season activity remained low through November 2019, reached its largest peak in February 2020, and ended rapidly in early April. The rapid end to the 2019-2020 flu season may have been due, in part, to the community precautions against respiratory illness taken at the beginning of the SARS-CoV-2 epidemic in mid March 2020. The flu vaccine was a moderate match this season, with a 39% overall vaccine effectiveness reported by the CDC (June 2020).

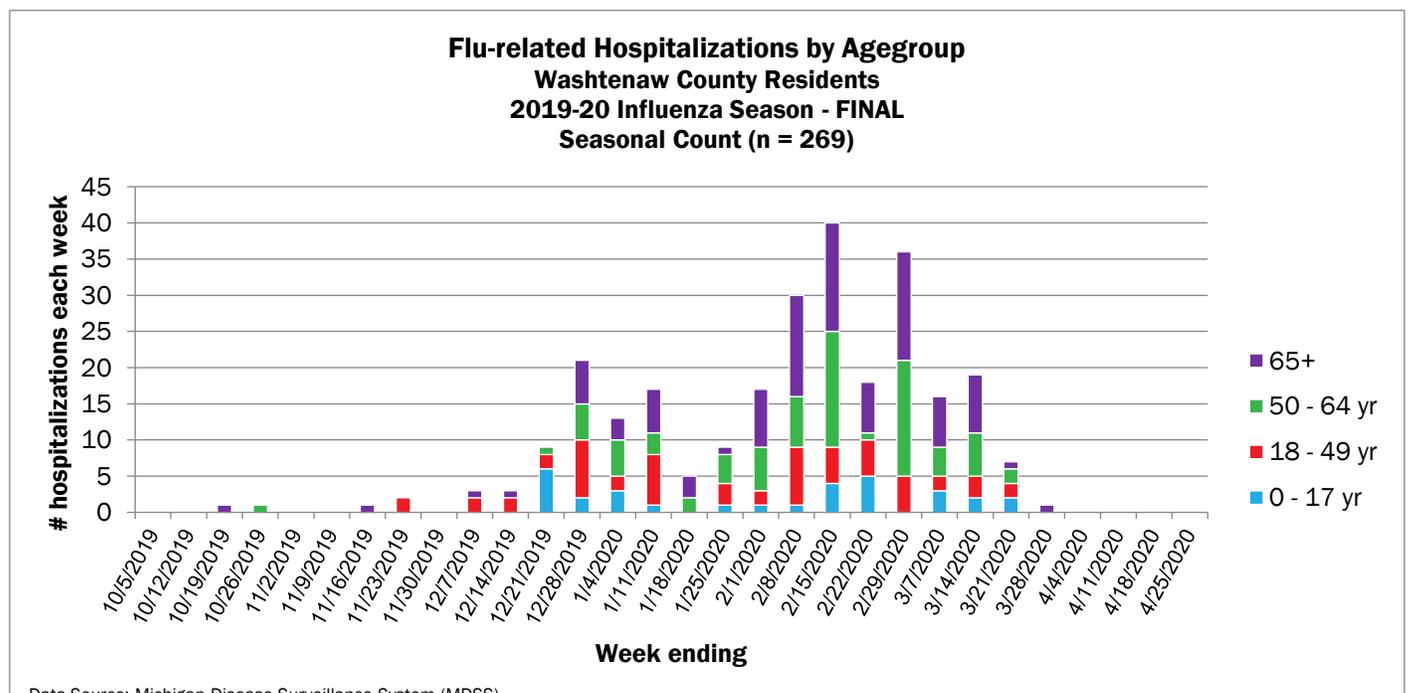
**Flu-related hospitalizations high.** 269 residents of Washtenaw County had influenza-related hospitalizations in the 2019-2020 influenza season. Individuals over 65 years old were the largest group to be hospitalized (37%), however the A/H1N1 peak in early 2020 led to more hospitalizations in younger adults as well. Most adults who were hospitalized had an underlying health condition (67%), including obesity and pregnancy. Diabetes was reported in 24% of adults who were hospitalized from flu-related illness. There were 6 flu-related deaths reported in adults. The deaths were in adults 27-96 years of age.

**Facility outbreaks:** During this season, five (5) outbreaks of influenza were reported in Washtenaw County long-term care and assisted living facilities. All of these clusters were caused by influenza A. An additional cluster of illness caused by influenza A and B was identified at a homeless shelter.

**Influenza in Washtenaw children.** 12% percent of hospitalizations were children and teens. Sadly, there was one flu-related death in a Washtenaw County child in the 2019-2020 influenza season. The flu vaccine rate for all Washtenaw children 6 months – 8 years was 51%, the highest in Michigan.

Total hospitalizations	ICU Admissions	Adult Flu-Associated Deaths*	Child Flu-Associated Deaths
269	13%	6	1

\*The deaths were in adults 27 to 96 years of age.  
Deaths were associated with both Influenza A and B.



- **Ages of hospitalizes cases (range = 1 month to 98 years)**
  - 0-4 years = 6%
  - 5-17 years = 6%
  - 18-49 years = 23%
  - 50-64 years = 29%
  - 65-74 years = 16%
  - 75+ years = 22%
- **Influenza strains in hospitalized cases**
  - A (not subtyped) = 53%
  - AH3 = 2%
  - B = 31%
  - **H1N1: 14%**
- **Underlying conditions in flu-related hospitalized cases (children)**
  - 93%
- **Underlying conditions in flu-related hospitalized cases (adults)**
  - High risk conditions, include obesity and pregnancy = 67%
  - Asthma = 16%
  - Other chronic lung condition = 19%
  - Diabetes = 24%
  - Obesity = 8%
- **Length of hospitalization**
  - Range: 1-85
  - Median: 3
  - Mean (average): 5

<b>% of total hospitalized cases</b>	<b>Area within Washtenaw County</b>
52%	<b>Ypsilanti</b> (48197, 48198)
27%	<b>Ann Arbor</b> (48103, 48104, 48105, 48108)
12%	<b>Saline/Milan/Willis</b> (48176, 48160, 48190, 48191)
6%	<b>Chelsea/Dexter/Manchester</b> (48118, 48130, 48137, 48158)
2%	<b>Whitmore Lake/Northfield/Salem</b> (48178, 48189)

- **Race of Hospitalized patients (unknown and declined removed)**
  - Asian = 4%
  - Black or African American = 33%
  - White or Caucasian = 63%
- **Flu vaccine status of hospitalized Washtenaw residents**

<b>Age group</b>	<b>% vaccinated</b>	<b>% not vaccinated</b>	<b>% vaccine status unknown*</b>
6mo - 17 years	52%	44%	4%
18 - 49 years	34%	3%	62%
50 - 64 years	24%	4%	72%
65 - 74 years	37%	7%	56%
75 yrs and older	19%	3%	78%

\*Entry of adult flu vaccine into Michigan Care Improvement Registry (MCIR) is not yet mandatory