

Summary of 2017-18 Hospitalized Influenza Cases in Washtenaw Residents

Overall: This was a severe flu season which was dominated by influenza A/H3. Influenza B viruses (20%) circulated as well, especially in March through May. Flu season activity remained low through December 2017, reaching its peak in January and extending into May 2018. The vaccine was a moderate match this season with a 40% overall vaccine effectiveness reported by the CDC (preliminary data reported June 2018).

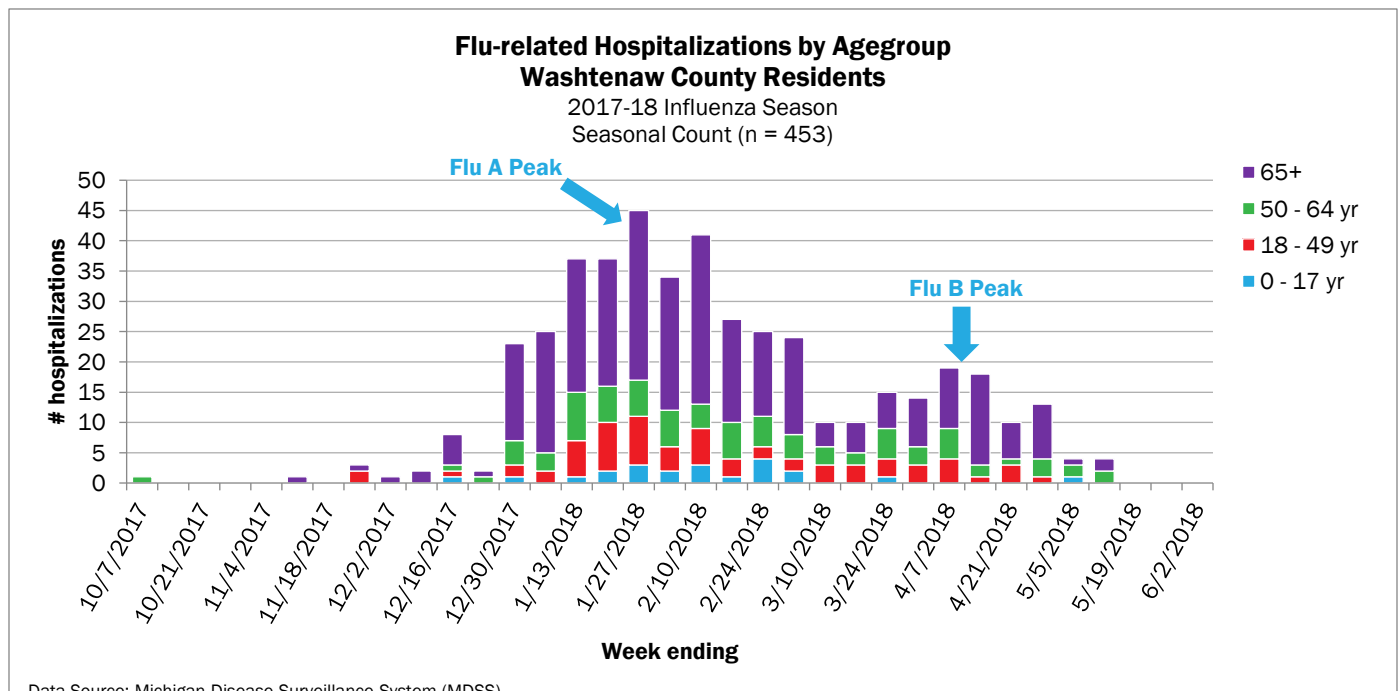
Flu-related hospitalizations at a record high: 453 residents of Washtenaw County had influenza-related hospitalizations in the 2017-2018 influenza season. Since tracking began in 2009, this is the highest number of hospitalized individuals in a season. A majority of the hospitalizations were in individuals over 65 years old (62%). Most adults who were hospitalized had a high-risk underlying health condition (92%). Diabetes was reported in 27% of adults who were hospitalized from flu-related illness. Nine (9) flu-related deaths were reported in adults, ages 65 to 99 years.

Facility outbreaks: During this season, 15 outbreaks of influenza were reported in Washtenaw County long-term care and assisted living facilities. Most clusters were caused by influenza A (73%), with 13% influenza B and 13% multiple pathogens (flu A, B, RSV).

Influenza in Washtenaw children: 5% percent of hospitalizations were children and teens. There were no flu-related deaths in Washtenaw County children in the 2017-2018 influenza season. Most children who were hospitalized had an underlying high-risk health condition (73%). Asthma was reported in 41% of children who had an influenza-related hospitalization.

Total hospitalizations	ICU Admissions	Adult Flu-Associated Deaths*	Child Flu-Associated Deaths
453	12%	9	0

**The deaths were in adults 65-99 years of age. All had high-risk underlying health conditions. Deaths were associated with both Influenza A and B.*



- **Ages of hospitalized individuals (range = 1 month to 99 years)**
 - 0-4 years = 2%
 - 5-17 years = 2%
 - 18-49 years = 15%
 - 50-64 years = 18%
 - 65-74 years = 21%
 - 75+ years = 41%
- **Influenza-strains in hospitalized individuals**
 - A (not subtyped) = 58%
 - AH3 = 18%
 - B = 20%
 - A/H1N1= 2%
- **Underlying high-risk conditions in flu-related hospitalizations in children**
 - At least one high-risk condition = 73%
 - Asthma = 41%
- **Underlying conditions in flu-related hospitalizations in adults**
 - At least one high-risk condition, including obesity and pregnancy = 92%
 - Asthma = 23%
 - Diabetes = 27%
 - Obesity = 31%
 - Pregnancy = 3%
- **Length of hospitalization**
 - Range: 1-42 days
 - Median: 1 day
 - Mean (average): 3 days

% of total hospitalized individuals	Where hospitalized individuals lived in Washtenaw County
44%	Ypsilanti (48197, 48198)
32%	Ann Arbor (48103, 48104, 48105, 48108)
10%	Chelsea/Dexter/Manchester (48118, 48130, 48158)
11%	Saline/Milan/Willis (48176, 48160, 48191)
4%	Whitmore Lake/Northfield/Salem (48189, 48170, 48178)

- **Race of hospitalized individuals**
 - Asian = 2%
 - Black or African American = 21%
 - White or Caucasian = 73%
- **Flu vaccine status of hospitalized Washtenaw residents**

Age group	% vaccinated	% not vaccinated	% vaccine status unknown*
6mo - 17 years	60%	40%	0%
18 - 49 years	18%	25%	57%
50 - 64 years	40%	10%	51%
65 - 74 years	55%	5%	40%
75 yrs and older	56%	6%	37%

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