



Summary of 2014-15 Hospitalized Influenza Cases in Washtenaw Residents

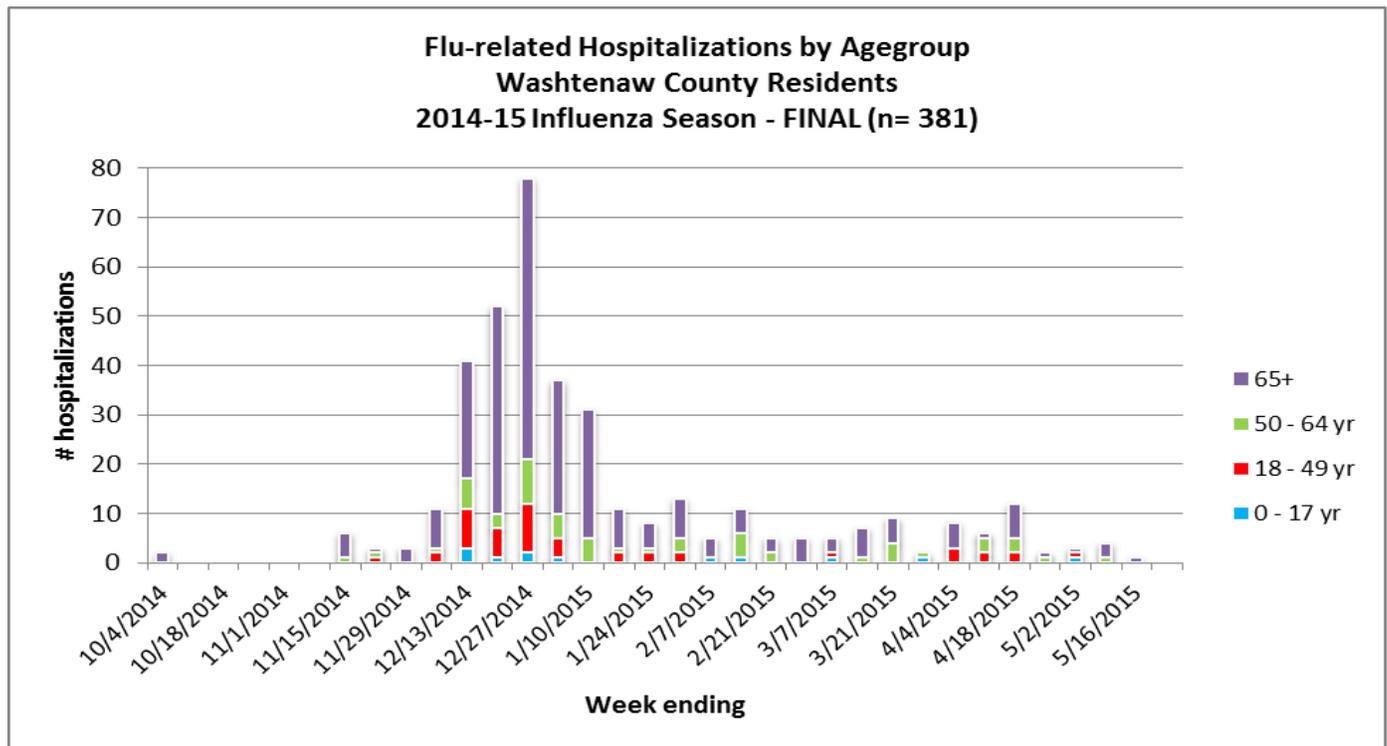
Overall: This was a moderately severe flu season which was dominated by influenza A/H3N2. Influenza B viruses circulated as well, especially in March and April. The season was long, starting in November 2014 and extending into May 2015. The vaccine match for A/H3N2 was not good, leaving more individuals vulnerable. Numerous flu outbreaks occurred in long-term care facilities and senior living centers.

The number of hospitalizations was the highest reported in recent years, with 78 Washtenaw residents admitted in one week alone. Individuals 75 years and older were particularly affected by severe disease, representing 51% of hospitalizations. Flu-related deaths were reported for 15 Washtenaw adults.

There was good news for Washtenaw County children. They represented only 3% of local flu hospitalizations. For 0 – 4 year olds who are often at higher risk for severe disease, the local rate of hospitalization was less than a third of national rates for this season. The flu vaccine rate for Washtenaw children 6 months – 4 years was 67%, the highest in Michigan.

Total hospitalizations	ICU Admissions	Adult Flu-Associated Deaths*	Child Flu-Associated Deaths
381	12%	15	0

*The deaths were in adults 55 – 96 years of age. Most had high-risk underlying health conditions. Influenza A was confirmed in all cases.



- **Ages of hospitalized cases** (range = 1 month – 100 years):
 - 0 – 4 years = 1%
 - 5 – 17 years = 2%
 - 18 – 49 years = 12%
 - 50 – 64 years = 15%
 - 65 - 74 years = 18%
 - 75+ years = 51%

- **Influenza strain of Washtenaw hospitalized cases:**
 - A (not subtyped) = 63%
 - A/H3 = 18%
 - B = 19%

- **Underlying conditions in adult hospitalized cases**
 - At least one underlying high-risk condition (including obesity) = 92%
 - Asthma = 20%
 - Diabetes = 34%
 - Obese (BMI ≥ 30) = 39%
 - Pregnancy = 1%

- **Length of hospitalization**
 - Range: 1 – 29 days
 - Median: 3 days
 - Mean (average): 4.3 days

% of total hospitalized cases	Area within Washtenaw County
42%	Ypsilanti (48197, 48198)
34%	Ann Arbor (48103, 48104, 48105, 48108)
12%	Saline/Milan/Willis (48176, 48160, 48191)
6%	Chelsea/Dexter (48118, 48130)
3%	Whitmore Lake/Northville/Salem (48189, 48168, 48170)

- **Race of adult hospitalized patients** (n=377)
 - African-American = 16%
 - Asian-American = 3%
 - Caucasian = 79%

- **Flu vaccine status**
 - **Hospitalized children:** 55% vaccinated

Hospitalized Washtenaw adults

Age group	% vaccinated	% not vaccinated	% vaccine status unknown*
18 – 49 years	39	31	30
50 – 64 years	61	23	16
65 – 74 years	54	27	19
75 yrs and older	61	18	21

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