

## EXECUTIVE SUMMARY

MMWR Week 7: February 15, 2015-February 21, 2015

## Current Trends

- Influenza-Associated Hospitalizations (IAH)\*\*
  - There were a total of 2 IAH cases reported for this week
  - IAH cases increased to 2 compared to last week (Week 6)
  - Age groups 0-14 and 45-64 each equally accounted for 50% of all reported IAH cases
  - Males and females each equally accounted for 50% of all reported IAH cases
  - African-Americans and Whites each equally accounted for 50% of all IAH cases
  - Cuyahoga County has 16.8% of all IAH cases in Ohio
  - The City of Cleveland has 7.0% of all IAH cases in Ohio
- Influenza Deaths
  - There were 0 influenza deaths reported during Week 7 for Cuyahoga County. There have been a total of 43 deaths in Cuyahoga County (15 total deaths in Cleveland) over the 2014-2015 influenza season

## IAH Cases: Comparison to Previous Years

- State of Ohio  
MMWR Week 40-Week 6, 2014: 2415  
MMWR Week 40-Week 6, 2015: 7738  
*220% increase in IAH cases*
- Northeast Region of Ohio  
Week 6, 2014: 20  
Week 6, 2015: 5  
*75% decrease in IAH cases*

## Vaccine Information

- The 2014-2015 trivalent influenza vaccine has been made to protect against H1N1, H3N2, and Influenza B
- Everyone 6 months of age or older should get vaccinated, especially the people listed below:
  - Pregnant women
  - Children younger than 5, but especially children younger than 2 years old
  - People 65 years of age and older
  - People of any age with certain chronic medical conditions including:
    - high blood pressure, liver, heart or lung disease, diabetes, asthma, cancer or a weakened immune system
  - People who live in nursing homes and other long-term care facilities
  - People who live with or care for those at high risk for complications from flu

## Prevention Recommendations for Healthcare Professionals and General Public

- Get vaccinated
- Conduct proper handwashing techniques, and wash hands often
- Cover your mouth and nose when coughing and sneezing
- If you become ill, stay home and follow-up with your doctor and take flu antiviral drugs if your doctor prescribes them

Created by: CDPH Office of Communicable Disease Surveillance and Epidemiology

Data Sources: CDPH Office of Vital Statistics, Ohio Disease Reporting System (ODRS), Ohio Department of Health, Centers for Disease Control and Prevention. Version Date: 02.24.2015

\*\*IAH: Case reporting fluctuations may contribute to an unequal deviation in the number of weekly reported cases.



## February 15<sup>th</sup> to February 21<sup>st</sup>, 2015 (MMWR Week 7) Highlights

### Influenza Deaths:

There were a total of 0 influenza deaths reported this week

- No age groups had a death reported
- Influenza deaths accounted for 0% of all deaths reported this week
- The number of influenza deaths **decreased** compared to last week (1 death)

Influenza Deaths	Age	Sex	Race	Residence
N/A	N/A	N/A	N/A	N/A

*\*Underlying medical conditions not applicable. No deaths were reported.*

### Influenza-Associated Hospitalizations:

There were a total of 2 influenza-associated hospitalizations reported this week

- Age groups 0-14 and 45-64 each equally accounted for 50% of all reported hospitalizations
- Hospitalizations **increased** by 2 compared to last week (0 hospitalizations)
- Average age is not applicable due to the small number of hospitalizations
- African-Americans and Whites each equally accounted for 50% of all reported hospitalizations
- Males and females each equally accounted for 50% of all reported hospitalizations

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	1	50%
Asian	0	0%
White	1	50%
Other	0	0%
Unknown	0	0%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	1	50%
Male	1	50%
Unknown	0	0%

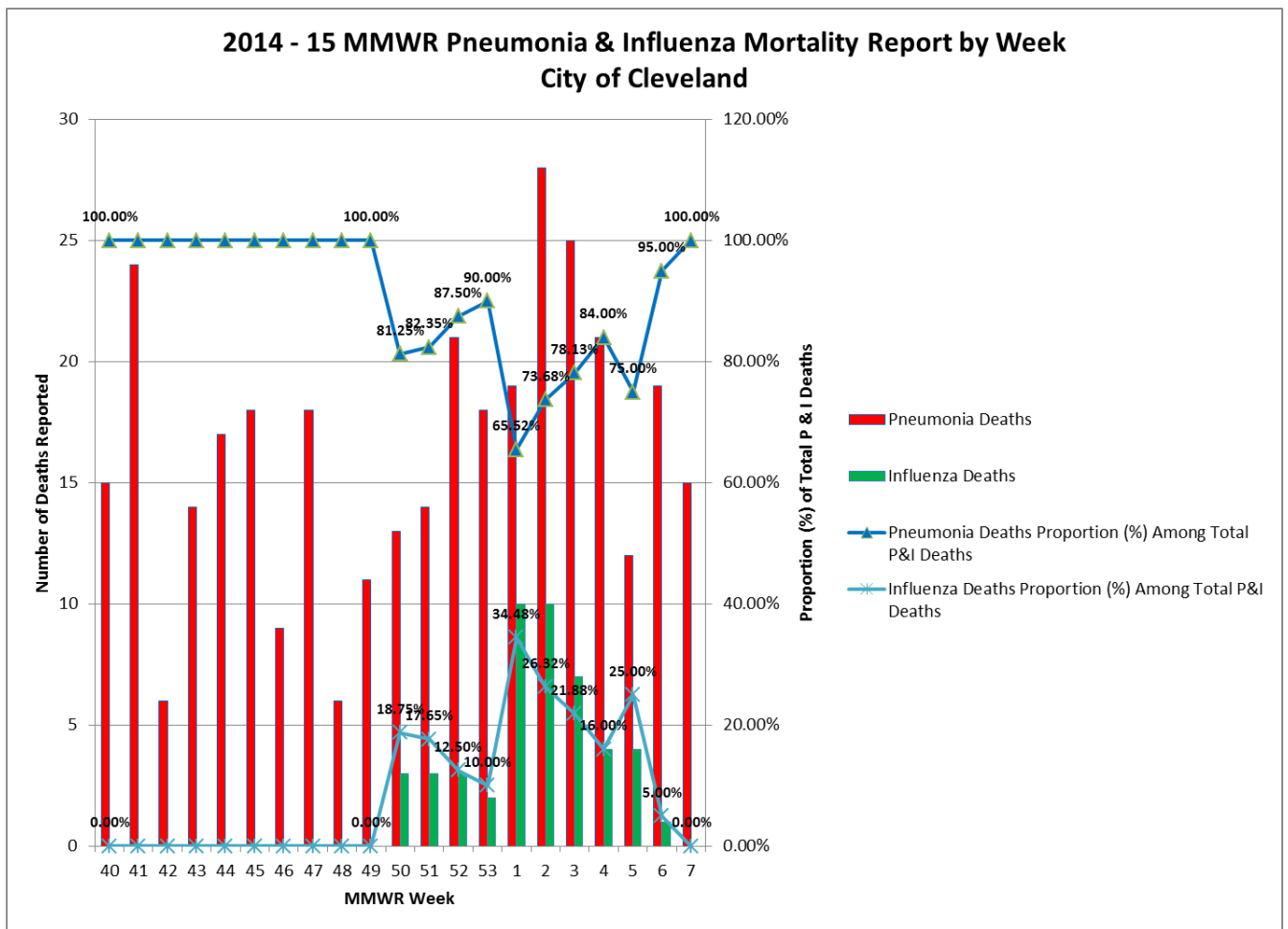
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	1	50%
15-24 years	0	0%
25-44 years	0	0%
45-64 years	1	50%
65-74 years	0	0%
75-84 years	0	0%
85 years and older	0	0%
Age not reported	0	0%

**Pneumonia and Influenza Mortalities Reported by Week in the City of Cleveland:**



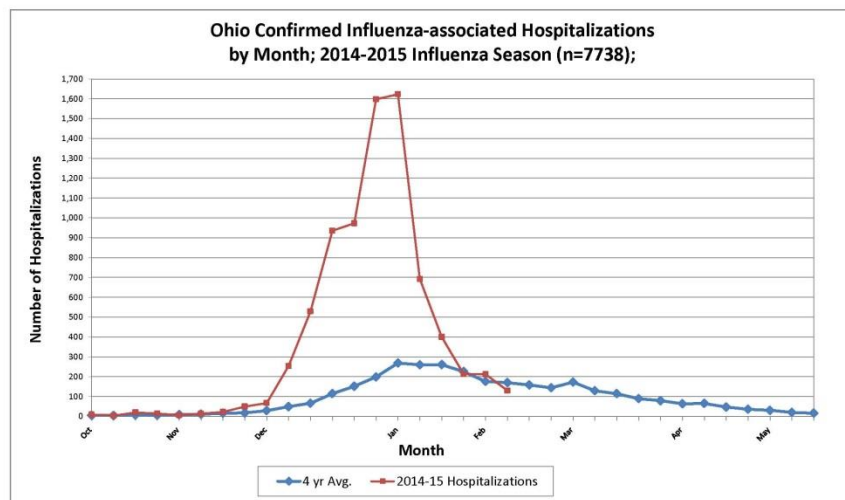
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**Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:**

- There have been a total of 7738 influenza associated hospitalizations in the State of Ohio as of February 14<sup>th</sup>, 2015
- Cuyahoga County has 1301 out of the 7738 influenza associated hospitalizations (16.8%)
- The City of Cleveland has 541 out of the 7738 influenza associated hospitalizations (7.0%)

**National IAH Data from CDC for MMWR Weeks 40-6 (February 8, 2015 to February 14, 2015)**

- Overall hospitalization rate was 48.6 per 100,000 population
- The highest rate of hospitalization was among adults aged  $\geq 65$  years (242.2 per 100,000 population), followed by children aged 0-4 years (43.4 per 100,000 population)
- Among all hospitalizations, 95.5% were associated with influenza A, 3.7% with influenza B, 0.3% with influenza A and B co-infection, and 0.4% had no virus type information
- Among those with influenza A subtype information, 99.7% were H3N2 virus and 0.3% were 2009 H1N1
- The majority (93.6%) of hospitalized adults had at least one reported underlying medical condition; the most commonly reported were metabolic disorders, cardiovascular disease, and obesity
- The most commonly reported underlying medical conditions among pediatric patients were asthma, neurologic disorders and immune suppression
- A total of 86 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 27 states; Ohio is one of these states with 6 pediatric deaths

**National IAH Data from CDC for MMWR Week 6 (February 8, 2015 to February 14, 2015)**

- During week 6, 8.4% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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