

EXECUTIVE SUMMARY
MMWR Week 8: February 22, 2015-February 28, 2015**Current Trends**

- Influenza-Associated Hospitalizations (IAH)**
 - There were a total of 2 IAH cases reported for this week
 - IAH cases stayed the same compared to last week (Week 7)
 - Adults aged 45-64 each accounted for 100% of all reported IAH cases
 - Males and females each equally accounted for 50% of all reported IAH cases
 - Whites each accounted for 100% of all IAH cases
 - Cuyahoga County has 16.6% 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 8 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 7, 2014: 2603
MMWR Week 40-Week 7, 2015: 7852
202% increase in IAH cases
- Northeast Region of Ohio
Week 7, 2014: 11
Week 7, 2015: 6
45% 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: 03.3.2015

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



February 22nd to February 28th, 2015 (MMWR Week 8) 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 **stayed the same** compared to last week (0 deaths)

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

- Adults aged 45-64 each accounted for 100% of all reported hospitalizations
- Hospitalizations **stayed the same** compared to last week (2 hospitalizations)
- Average age is not applicable due to the small number of hospitalizations
- Whites accounted for 100% 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	0	0%
Asian	0	0%
White	2	100%
Other	0	0%
Unknown	0	0%

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

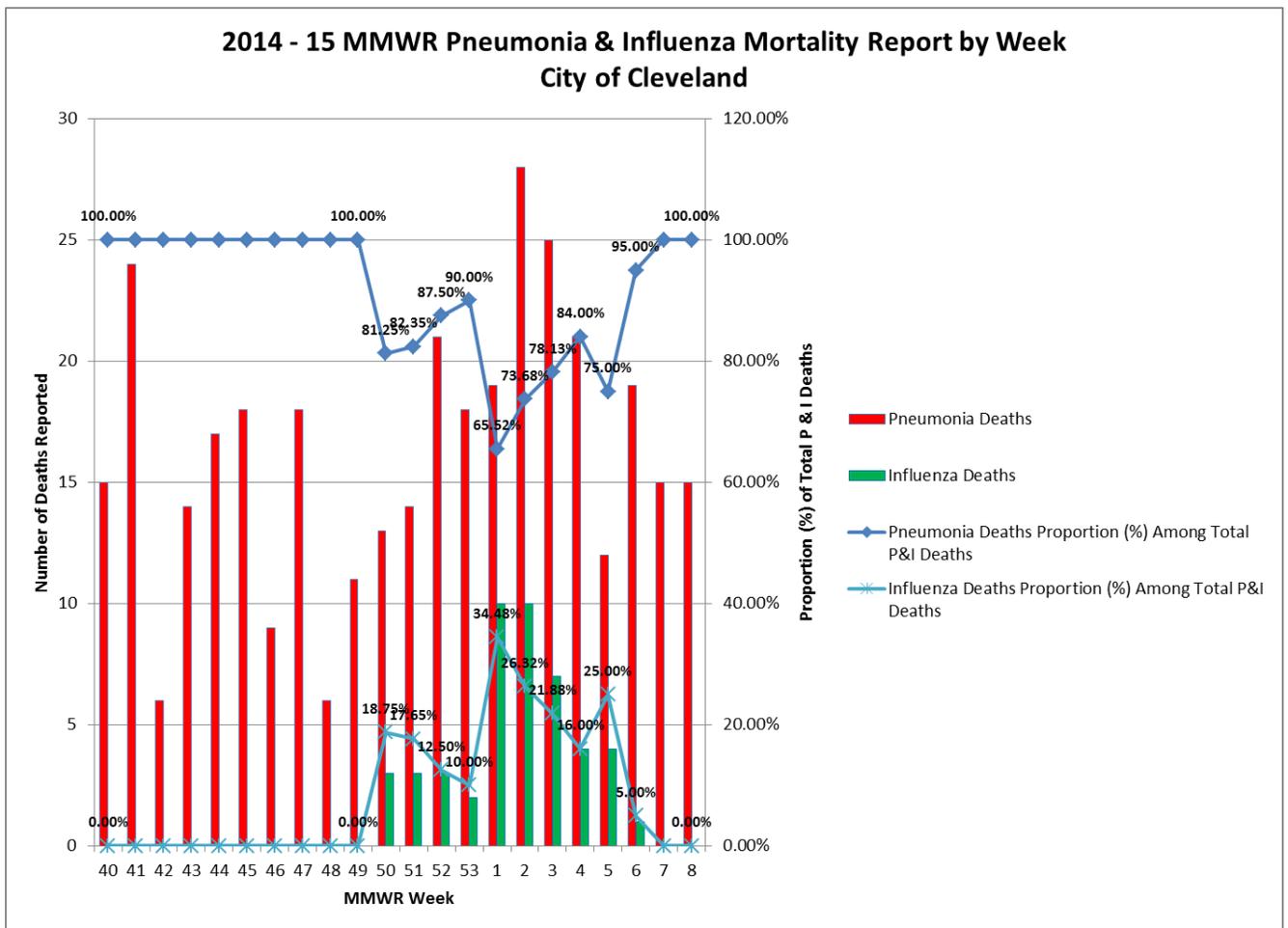
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	0	0%
15-24 years	0	0%
25-44 years	0	0%
45-64 years	2	100%
65-74 years	0	0%
75-84 years	0	0%
85 years and older	0	0%
Age not reported	0	0%

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



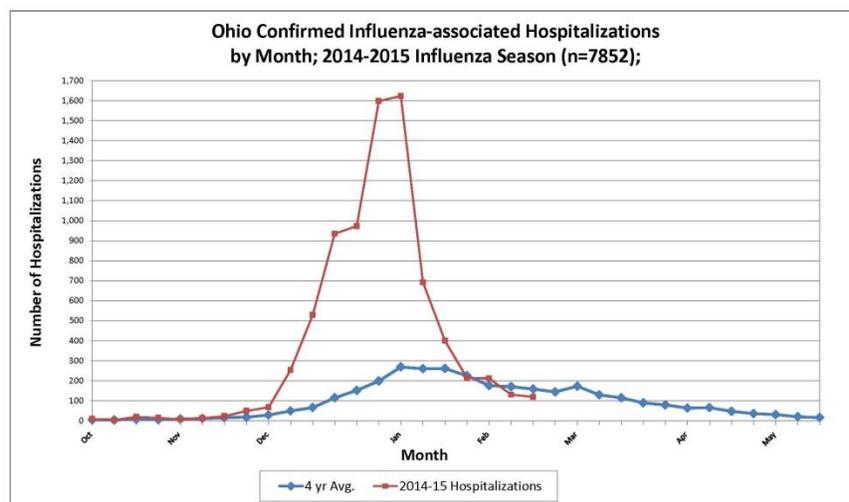
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Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:

- There have been a total of 7852 influenza associated hospitalizations in the State of Ohio as of February 21st, 2015
- Cuyahoga County has 1304 out of the 7852 influenza associated hospitalizations (16.6%)
- The City of Cleveland has 543 out of the 7852 influenza associated hospitalizations (7.0%)

**National IAH Data from CDC for MMWR Weeks 40-7 (February 15, 2015 to February 21, 2015)**

- Overall hospitalization rate was 51.7 per 100,000 population
- The highest rate of hospitalization was among adults aged ≥ 65 years (258.0 per 100,000 population), followed by children aged 0-4 years (45.7 per 100,000 population)
- Among all hospitalizations, 94.8% were associated with influenza A, 4.4% with influenza B, 0.3% with influenza A and B co-infection, and 0.5% had no virus type information
- Among those with influenza A subtype information, 99.7% were H3N2 virus and 0.2% were 2009 H1N1
- The majority (92.9%) 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 92 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 31 states; Ohio is one of these states with 6 pediatric deaths

National IAH Data from CDC for MMWR Week 7 (February 15, 2015 to February 21, 2015)

- During week 7, 7.4% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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