

EXECUTIVE SUMMARY
MMWR Week 5: February 1, 2015-February 7, 2015**Current Trends**

- Influenza-Associated Hospitalizations (IAH)**
 - There were a total of 3 IAH cases reported for this week
 - IAH cases decreased by 25% compared to last week (Week 4)
 - Adults aged 45-64 accounted for all of the hospitalizations at 100%
 - Males represented the highest percentage of IAH cases at 66.7%
 - African-Americans, Whites and Unknown Race each equally represented 33.3% of all IAH cases
 - Cuyahoga County has 17.3% of all IAH cases in Ohio
 - The City of Cleveland has 7.3% of all IAH cases in Ohio
- Influenza Deaths
 - There were 4 influenza deaths (Two of the deaths were Cleveland residents) reported during Week 5 for Cuyahoga County, for a total of 42 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 4, 2014: 1970
MMWR Week 40-Week 4, 2015: 7412
276% increase in IAH cases
- Northeast Region of Ohio
Week 4, 2014: 59
Week 4, 2015: 21
64% 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: 02.9.2015

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



February 1st to February 7th, 2015 (MMWR Week 5) Highlights

Influenza Deaths:

There were a total of 4 influenza deaths reported this week

- Adults aged 85 and over accounted for 75% of all influenza related deaths
- Influenza deaths accounted for 1.33% of all deaths reported this week
- The number of influenza deaths **remained the same** compared to last week (4 deaths)

Influenza Deaths	Age	Sex	Race	Residence
#1	88	Female	Black	Cleveland
#2	85	Male	White	Parma
#3	78	Female	Black	Cleveland
#4	87	Female	White	Bay Village

**Underlying medical conditions included: Pneumonia, Sepsis, Cardio Respiratory Collapse, Coronary Artery Disease, COPD, and Respiratory Failure*

Influenza-Associated Hospitalizations:

There were a total of 3 influenza-associated hospitalizations reported this week

- Adults aged 45-64 accounted for all of the hospitalizations at 100%
- Hospitalizations decreased by 25% (↓) compared to last week (4 hospitalizations)
- The average age of influenza-associated hospitalizations was 46 years
- African-Americans, Whites and Unknown each equally accounted for 33.3% of all the hospitalizations
- Males accounted for 66.7% of hospitalizations; compared to 33.3% for females

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	1	33.3%
Asian	0	0%
White	1	33.3%
Other	0	0%
Unknown	1	33.3%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	1	33.3%
Male	2	66.7%
Unknown	0	0%

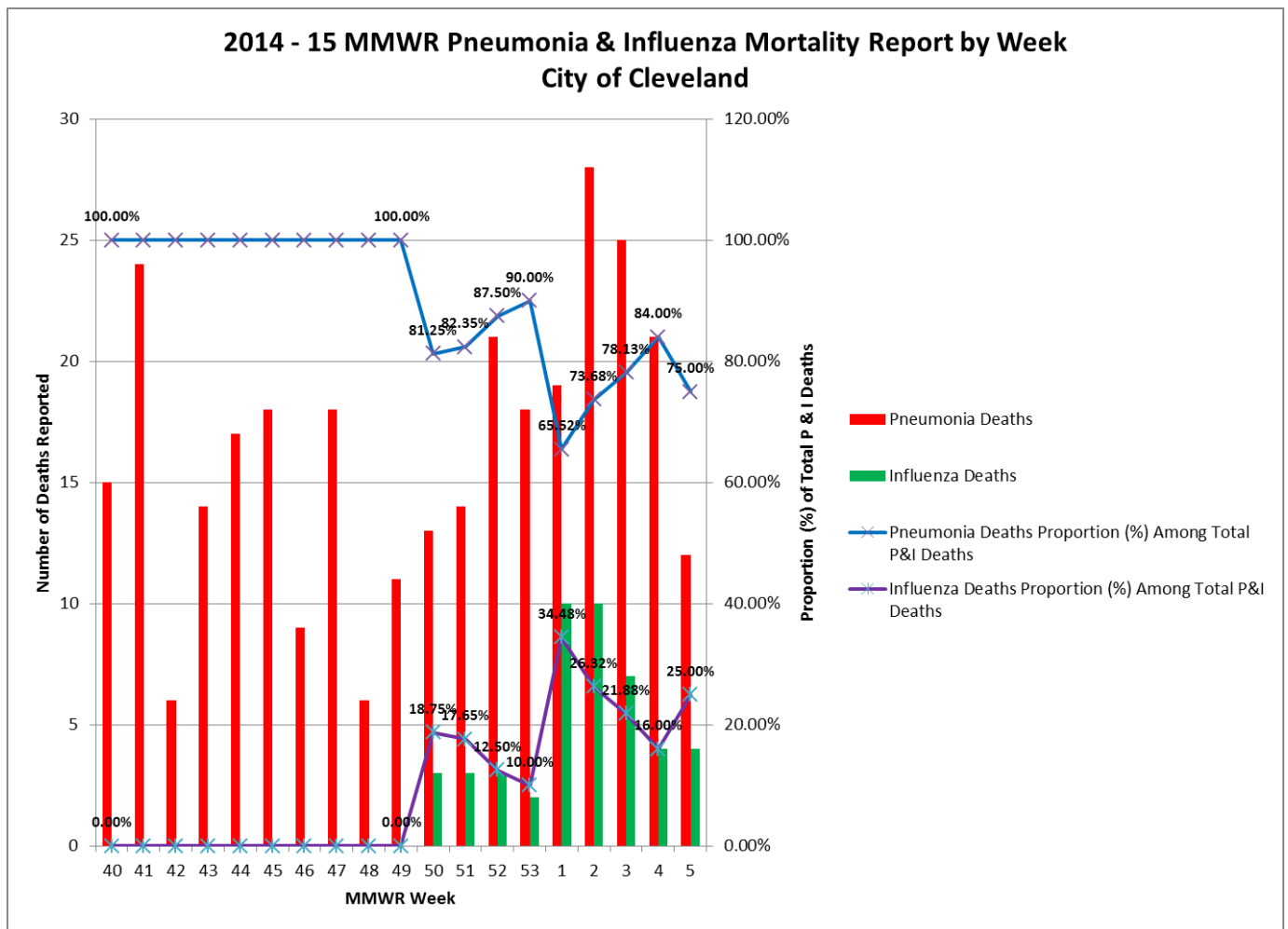
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	0	0%
15-24 years	0	0%
25-44 years	0	0%
45-64 years	3	100%
65-74 years	0	0%
75-84 years	0	0%
85 years and older	0	0%
Age not reported	0	0%

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



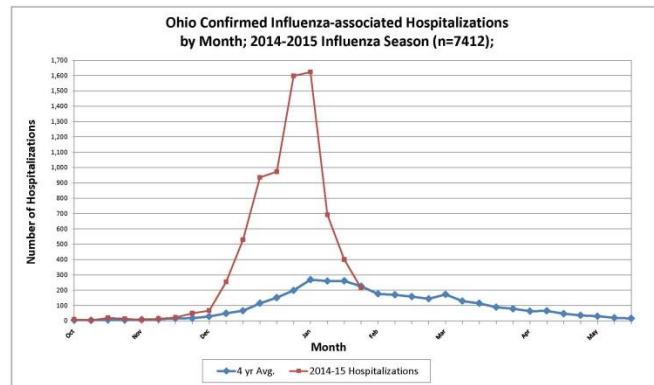
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Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:

- There have been a total of 7412 influenza associated hospitalizations in the State of Ohio as of January 31st, 2015
- Cuyahoga County has 1283 out of the 7412 influenza associated hospitalizations (17.3%)
- The City of Cleveland has 540 out of the 7412 influenza associated hospitalizations (7.3%)

**National IAH Data from CDC for MMWR Weeks 40-4 (January 25, 2015 to January 31, 2015)**

- Overall hospitalization rate was 43.5 per 100,000 population
- The highest rate of hospitalization was among adults aged ≥ 65 years (213.8 per 100,000 population), followed by children aged 0-4 years (40.2 per 100,000 population)
- Among all hospitalizations, 96.2% were associated with influenza A, 3.0% 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 (93.5%) 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 69 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 27 states; Ohio is one of these states with 5 pediatric deaths

National IAH Data from CDC for MMWR Week 4 (January 25, 2015 to January 31, 2015)

- During week 4, 8.5% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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