

EXECUTIVE SUMMARY
MMWR Week 3: January 18, 2015-January 24, 2015**Current Trends**

- Influenza-Associated Hospitalizations (IAH)**
 - There were a total of 11 IAH cases reported for this week
 - IAH cases did not change compared to last week (Week 2)
 - Adults aged 75-84 accounted for the largest percentage of hospitalizations at 36.4%
 - Males represented the highest percentage of IAH cases at 81.8%
 - African-Americans represented 100% of all IAH cases
 - Cuyahoga County has 18.3% of all IAH cases in Ohio
 - The City of Cleveland has 7.9% of all IAH cases in Ohio
- Influenza Deaths
 - There were 7 influenza deaths (3 were Cleveland residents) reported during Week 3 for Cuyahoga County, for a total of 34 deaths in Cuyahoga County (13 total deaths in Cleveland) over the 2014-2015 influenza season

IAH Cases: Comparison to Previous Years

- State of Ohio
MMWR Week 40-Week 2, 2014: 1233
MMWR Week 40-Week 2, 2015: 6798
451% increase in IAH cases
- Northeast Region of Ohio
Week 2, 2014: 95
Week 2, 2015: 61
36% 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: 01.27.2015

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



January 18th to January 24th, 2015 (MMWR Week 3) Highlights

Influenza Deaths:

There were a total of 7 influenza deaths reported this week

- Adults aged 85 years and over accounted for 71.43% of all influenza related deaths
- Influenza deaths accounted for 2.06% of all deaths reported this week
- The number of influenza deaths **decreased** (↓) compared to last week (10 deaths)

Influenza Deaths	Age	Sex	Race	Residence
#1	88	Male	White	Broadview Heights
#2	86	Female	White	Cleveland
#3	70	Female	Black	Cleveland
#4	95	Female	White	Lakewood
#5	75	Black	Male	Euclid
#6	93	White	Female	Bedford Heights
#7	90	White	Male	Cleveland

**Underlying medical conditions included: Pneumonia, Congestive Heart Failure, Sepsis, and COPD*

Influenza-Associated Hospitalizations:

There were a total of 11 influenza-associated hospitalizations reported this week

- Adults aged 75-84 accounted for the largest percentage of hospitalizations at 36.4%
- Hospitalizations **did not change** compared to last week (11 hospitalizations)
- The average age of influenza-associated hospitalizations was 66 years
- African-Americans accounted for 100% of all the hospitalizations
- Males accounted for 81.8% of hospitalizations; compared to 18.2% for females

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	11	100%
Asian	0	0%
White	0	0%
Other	0	0%
Unknown	0	0%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	2	18.2%
Male	9	81.8%
Unknown	0	0%

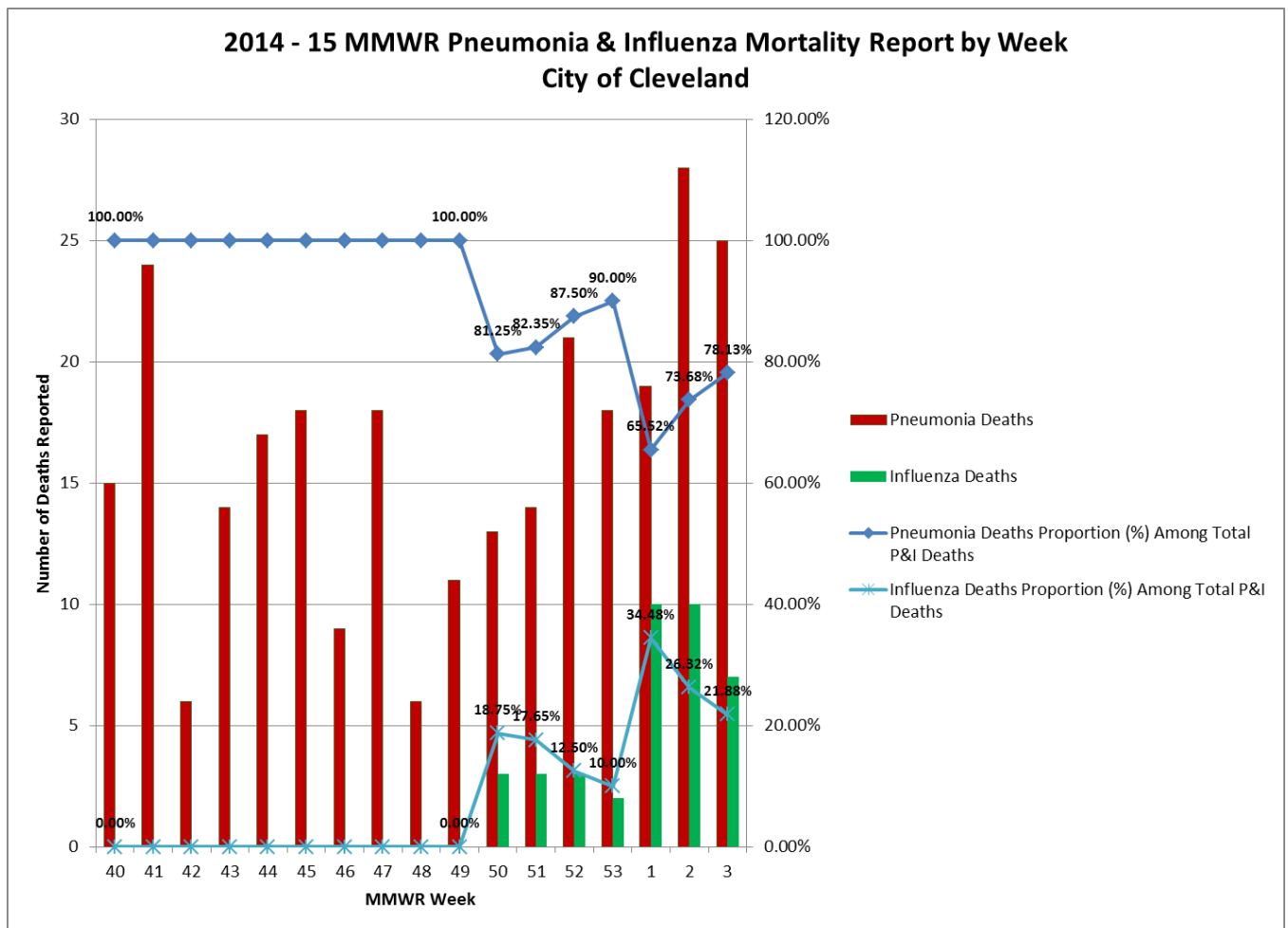
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	0	0%
15-24 years	0	0%
25-44 years	1	9.1%
45-64 years	3	27.3%
65-74 years	3	27.3%
75-84 years	4	36.4%
85 years and older	0	0%
Age not reported	0	0%

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



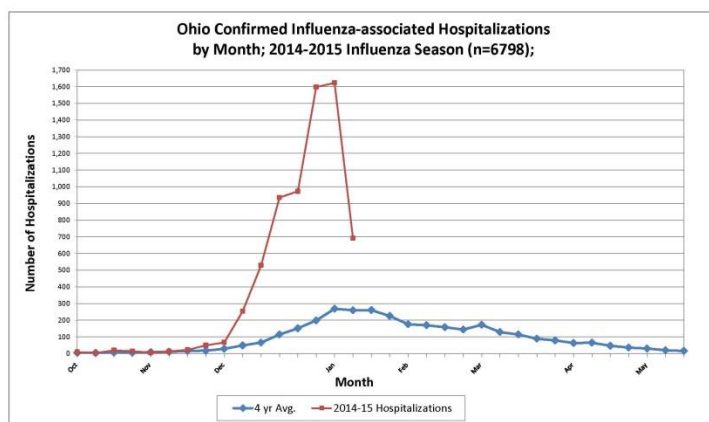
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Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:

- There have been a total of 6798 influenza associated hospitalizations in the State of Ohio as of January 17th, 2015
- Cuyahoga County has 1241 out of the 6798 influenza associated hospitalizations (18.3%)
- The City of Cleveland has 534 out of the 6798 influenza associated hospitalizations (7.9%)

**National IAH Data from CDC for MMWR Weeks 40-2 (January 11, 2015 to January 17, 2015)**

- Overall hospitalization rate was 36.3 per 100,000 population
- The highest rate of hospitalization was among adults aged ≥ 65 years (176.1 per 100,000 population), followed by children aged 0-4 years (34.5 per 100,000 population)
- Among all hospitalizations, 96.8% were associated with influenza A, 2.5% with influenza B, 0.2% 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 0.3% were 2009 H1N1
- The majority (93.9%) 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, obesity, neurologic disorders and immune suppression
- A total of 56 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 24 states; Ohio is one of these states with 4 pediatric deaths

National IAH Data from CDC for MMWR Week 2 (January 11, 2015 to January 17, 2015)

- During week 2, 9.3% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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