

EXECUTIVE SUMMARY
MMWR Week 13: March 29, 2015-April 4, 2015**Current Trends**

- Influenza-Associated Hospitalizations (IAH)**
 - There were a total of 16 IAH cases reported for this week
 - IAH cases increased by 100% compared to last week (Week 12)
 - Adults aged 45-64 accounted for 50% of all reported hospitalizations
 - Males accounted for the highest percentage of all IAH cases at 62.5%
 - African-Americans accounted for 44% of all IAH cases
 - Cuyahoga County has 16% of all IAH cases in Ohio
 - The City of Cleveland has 6.8% of all IAH cases in Ohio
- Influenza Deaths
 - There were 0 influenza death reported during Week 13 for Cuyahoga County. There have been a total of 44 deaths in Cuyahoga County (16 total deaths in Cleveland) over the 2014-2015 influenza season

IAH Cases: Comparison to Previous Years

- State of Ohio
MMWR Week 40-Week 12, 2014: 3146
MMWR Week 40-Week 12, 2015: 8551
172% increase in IAH cases
- Northeast Region of Ohio
Week 12, 2014: Not available
Week 12, 2015: 29
Percent increase in IAH cases not available

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: 04.07.2015

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



March 29th to April 4th, 2015 (MMWR Week 13) 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 16 influenza-associated hospitalizations reported this week

- Adults aged 45-64 accounted for 50% of all reported hospitalizations
- Hospitalizations increased by **100%** (↑) compared to last week (8 hospitalizations)
- The average age of influenza-associated hospitalizations was 52 years
- African-Americans accounted for 44% of all reported hospitalizations
- Males accounted for 62.5% of all reported hospitalizations; compared to 37.5% for females

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	7	44%
Asian	0	0%
White	5	31%
Other	3	19%
Unknown	1	6%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	6	37.5%
Male	10	62.5%
Unknown	0	0%

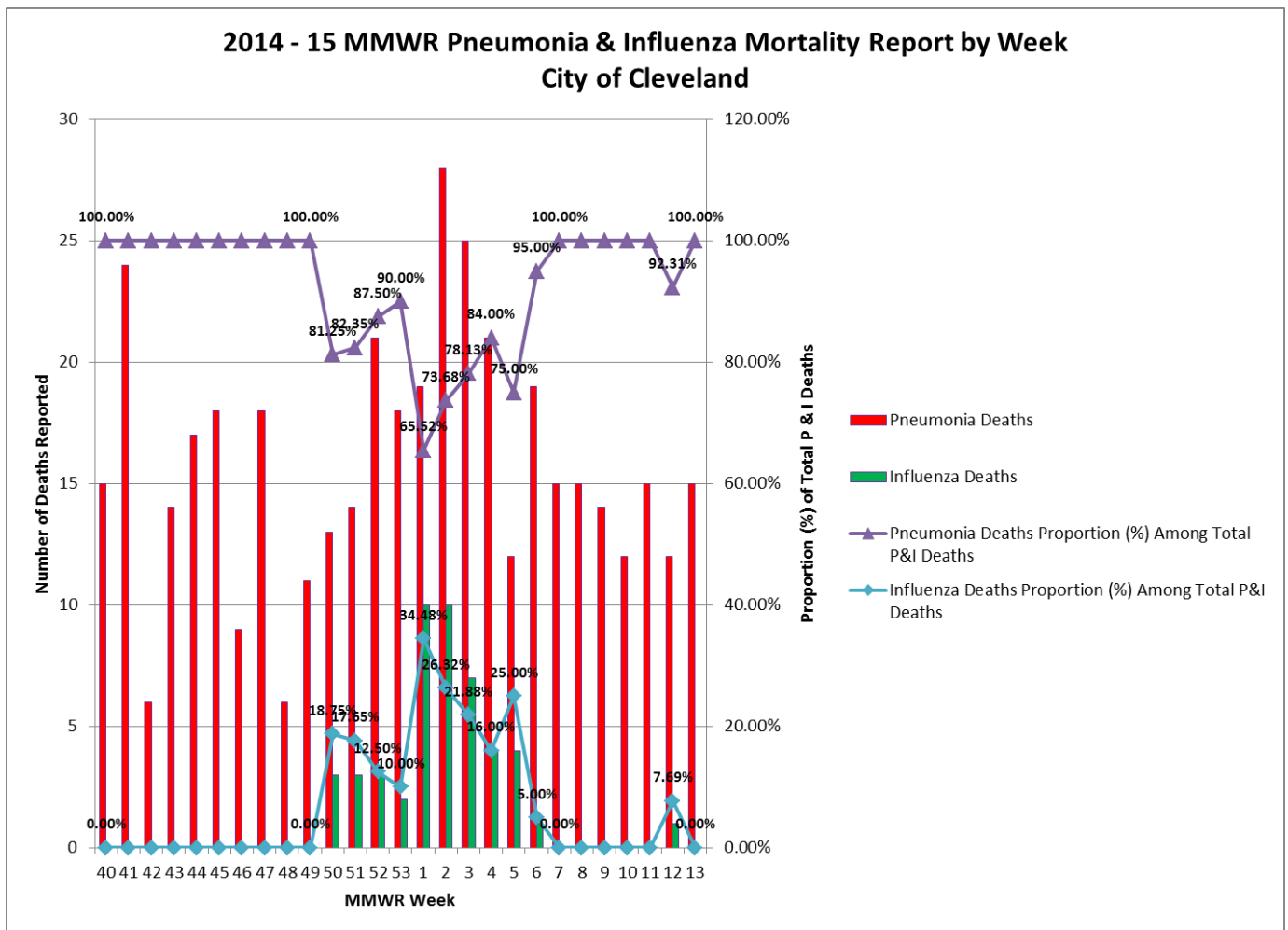
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	2	12.5%
15-24 years	0	0%
25-44 years	0	0%
45-64 years	8	50%
65-74 years	2	12.5%
75-84 years	2	12.5%
85 years and older	1	6.3%
Age not reported	1	6.3%

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



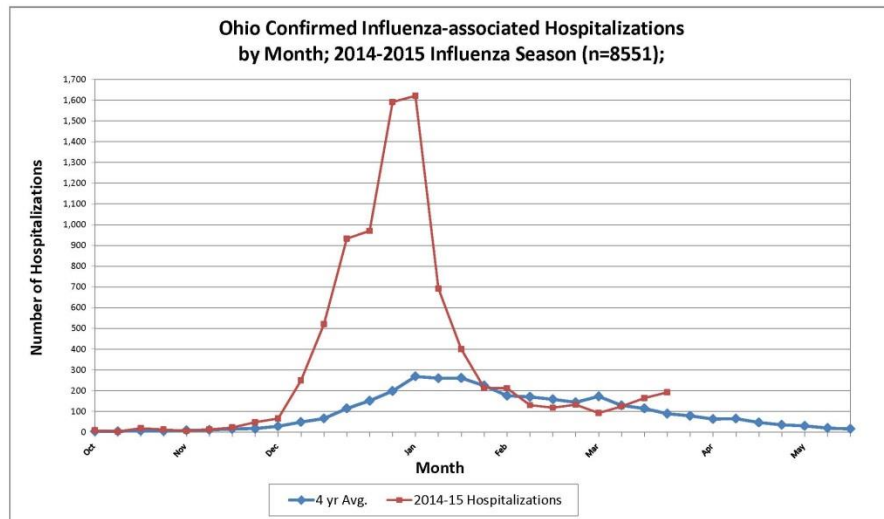
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Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:

- There have been a total of 8551 influenza associated hospitalizations in the State of Ohio as of March 28th, 2015
- Cuyahoga County has 1371 out of the 8551 influenza associated hospitalizations (16%)
- The City of Cleveland has 582 out of the 8551 influenza associated hospitalizations (6.8%)

**National IAH Data from CDC for MMWR Weeks 40-12 (March 22, 2015 to March 28, 2015)**

- Overall hospitalization rate was 59.9 per 100,000 population
- The highest rate of hospitalization was among adults aged ≥ 65 years (296.2 per 100,000 population), followed by children aged 0-4 years (52.8 per 100,000 population)
- Among all hospitalizations, 90.3% were associated with influenza A, 8.8% with influenza B, 0.5% 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 (93.7%) 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 obesity
- A total of 123 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 38 states; Ohio is one of these states with 6 pediatric deaths

National IAH Data from CDC for MMWR Week 12 (March 22, 2015 to March 28, 2015)

- During week 12, 6.9% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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