

EXECUTIVE SUMMARY
MMWR Week 15: April 12, 2015-April 18, 2015**Current Trends**

- Influenza-Associated Hospitalizations (IAH)**
 - There were a total of 27 IAH cases reported for this week
 - IAH cases increased by 23% compared to last week (Week 14)
 - Adults aged 45-64 and adults aged 65-74 each equally accounted for 26% of all reported hospitalizations
 - Males accounted for the highest percentage of all IAH cases at 56%
 - African-Americans accounted for 48% of all IAH cases
 - Cuyahoga County has 16.2% of all IAH cases in Ohio
 - The City of Cleveland has 7.1% of all IAH cases in Ohio
- Influenza Deaths
 - There were 0 influenza deaths reported during Week 15 for Cuyahoga County. There have been a total of 45 deaths in Cuyahoga County (17 total deaths in Cleveland) over the 2014-2015 influenza season

IAH Cases: Comparison to Previous Years

- State of Ohio
MMWR Week 40-Week 14, 2014: *Data not available*
MMWR Week 40-Week 14, 2015: 8879
Percent increase in IAH cases not available
- Northeast Region of Ohio
Week 14, 2014: *Data not available*
Week 14, 2015: 42
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: 04.21.2015

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



April 12th to April 18th, 2015 (MMWR Week 15) Highlights

Influenza Deaths:

There were a total of 0 influenza deaths reported this week

- No age group 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 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 27 influenza-associated hospitalizations reported this week

- Adults aged 45-64 and adults aged 65-74 each equally accounted for 26% of all reported hospitalizations
- Hospitalizations increased by **23%** (↑) compared to last week (22 hospitalizations)
- The average age of influenza-associated hospitalizations was 61 years
- African-Americans accounted for 48% of all reported hospitalizations
- Males accounted for 56% of all reported hospitalizations; compared to 41% for females

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	13	48%
Asian	0	0%
White	9	33%
Other	0	0%
Unknown	5	19%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	11	41%
Male	15	56%
Unknown	1	4%

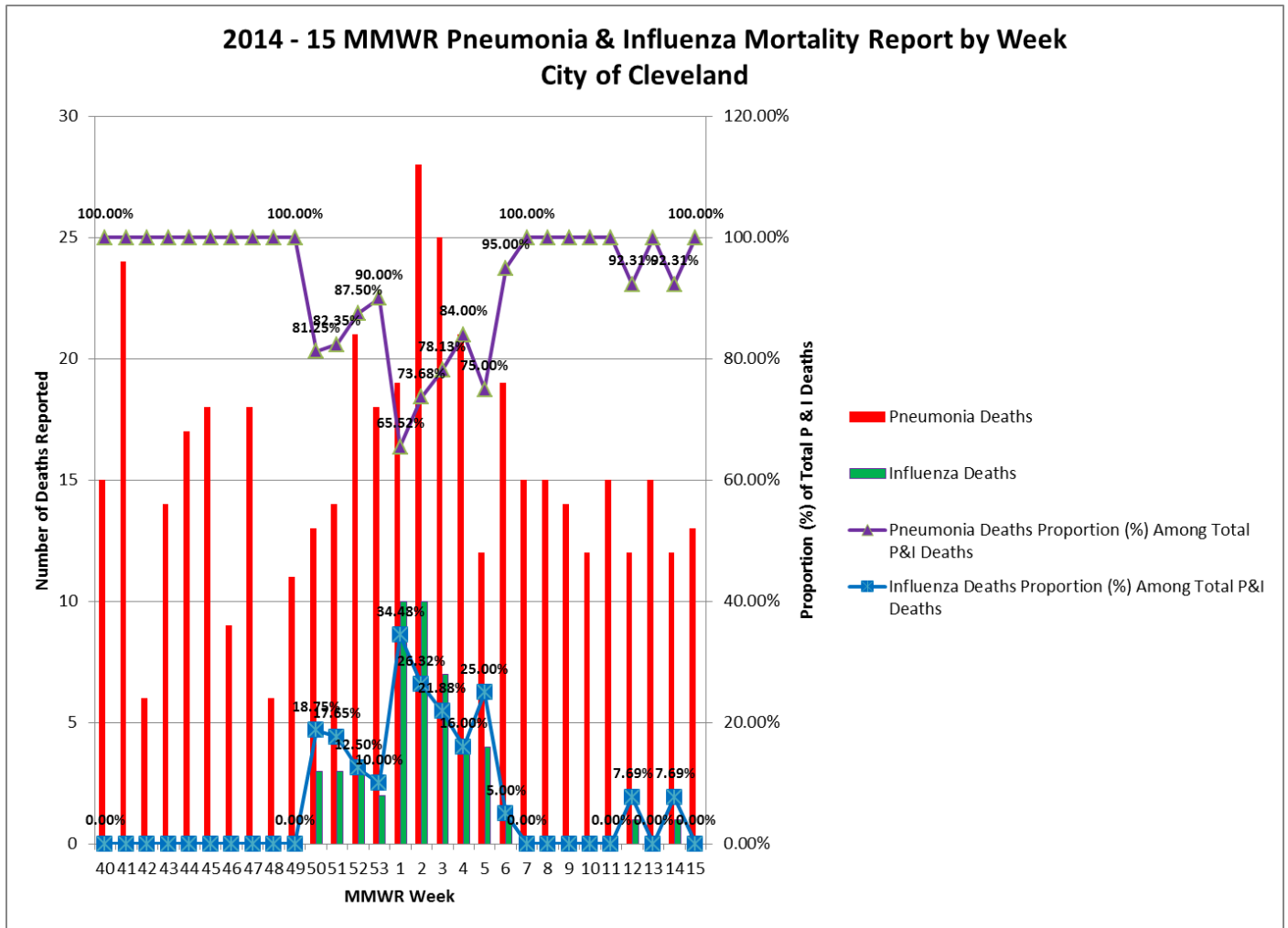
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	2	7%
15-24 years	0	0%
25-44 years	4	15%
45-64 years	7	26%
65-74 years	7	26%
75-84 years	3	11%
85 years and older	4	15%
Age not reported	0	0%

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



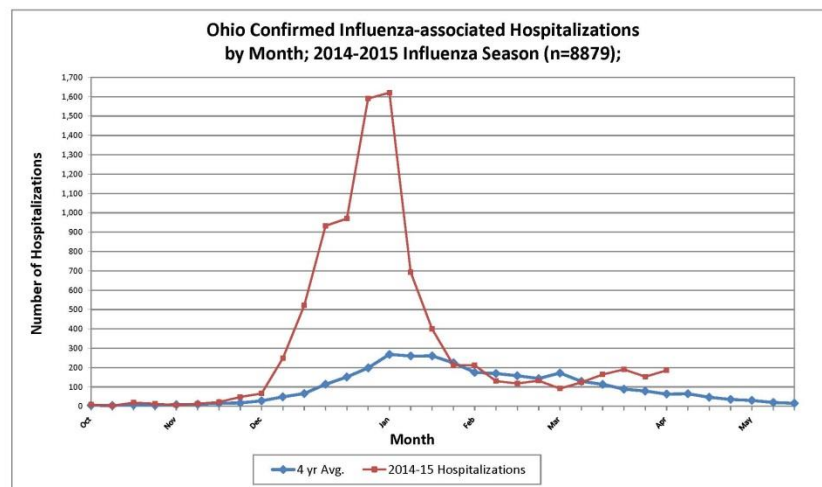
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Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:

- There have been a total of 8879 influenza associated hospitalizations in the State of Ohio as of April 11th, 2015
- Cuyahoga County has 1436 out of the 8879 influenza associated hospitalizations (16.2%)
- The City of Cleveland has 631 out of the 8879 influenza associated hospitalizations (7.1%)

**National IAH Data from CDC for MMWR Weeks 40-14 (April 5, 2015 to April 11, 2015)**

- Overall hospitalization rate was 62.4 per 100,000 population
- The highest rate of hospitalization was among adults aged ≥ 65 years (308 per 100,000 population), followed by children aged 0-4 years (54.4 per 100,000 population)
- Among all hospitalizations, 87.9% were associated with influenza A, 10.9% with influenza B, 0.5% with influenza A and B co-infection, and 0.6% 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 125 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 14 (April 5, 2015 to April 11, 2015)

- During week 14, 6.1% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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