

**EXECUTIVE SUMMARY**  
**MMWR Week 16: April 19, 2015-April 25, 2015****Current Trends**

- Influenza-Associated Hospitalizations (IAH)\*\*
  - There were a total of 16 IAH cases reported for this week
  - IAH cases decreased by 40.7% compared to last week (Week 15)
  - Adults aged 45-64 accounted for 38% of all reported hospitalizations
  - Females and males each equally accounted for 50% of all IAH cases
  - African-Americans accounted for 94% of all IAH cases
  - Cuyahoga County has 16.4% of all IAH cases in Ohio
  - The City of Cleveland has 7.2% of all IAH cases in Ohio
- Influenza Deaths
  - There were 0 influenza deaths reported during Week 16 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 15, 2014: *Data not available*  
MMWR Week 40-Week 15, 2015: 9063  
*Percent increase in IAH cases not available*
- Northeast Region of Ohio  
Week 15, 2014: *Data not available*  
Week 15, 2015: 57  
*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: 04.28.2015*

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



## April 19<sup>th</sup> to April 25<sup>th</sup>, 2015 (MMWR Week 16) 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 **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 16 influenza-associated hospitalizations reported this week

- Adults aged 45-64 accounted for 38% of all reported hospitalizations
- Hospitalizations decreased by **40.7%** (↓) compared to last week (27 hospitalizations)
- The average age of influenza-associated hospitalizations was 49 years
- African-Americans accounted for 94% of all reported hospitalizations
- Females and males each equally accounted for 50% of all reported hospitalizations

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	15	94%
Asian	0	0%
White	0	0%
Other	1	6%
Unknown	0	0%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	8	50%
Male	8	50%
Unknown	0	0%

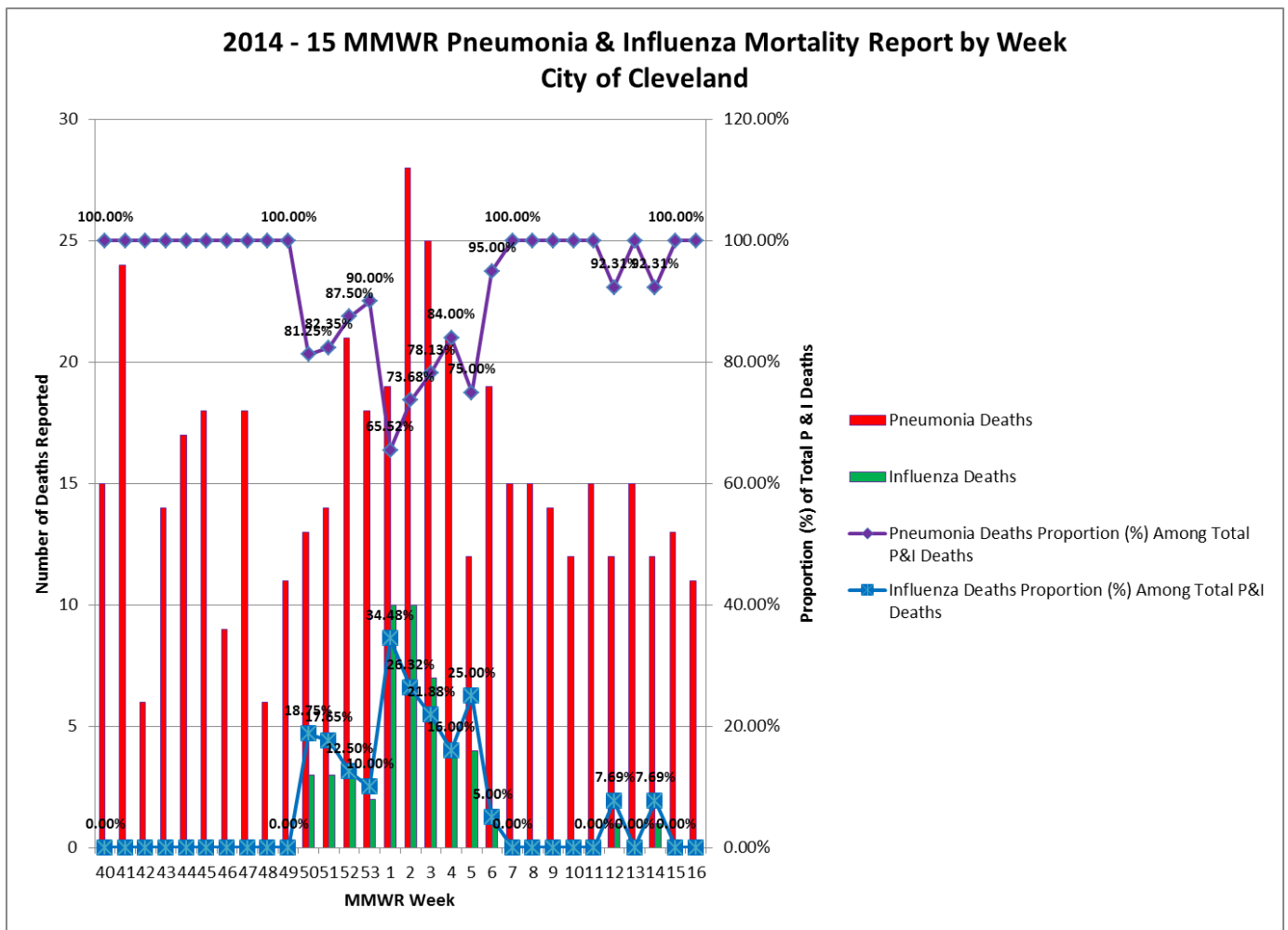
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	2	13%
15-24 years	1	6%
25-44 years	3	19%
45-64 years	6	38%
65-74 years	2	13%
75-84 years	1	6%
85 years and older	1	6%
Age not reported	0	0%

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



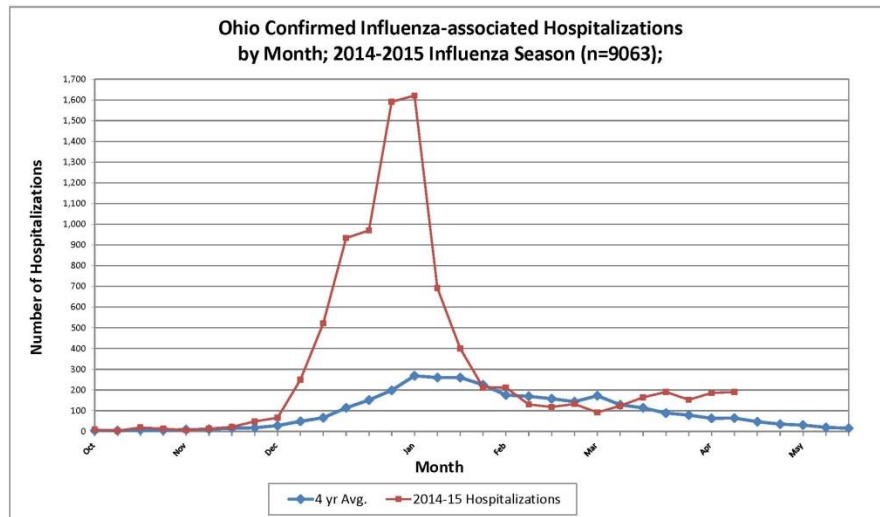
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**Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:**

- There have been a total of 9063 influenza associated hospitalizations in the State of Ohio as of April 18<sup>th</sup>, 2015
- Cuyahoga County has 1486 out of the 9063 influenza associated hospitalizations (16.4%)
- The City of Cleveland has 651 out of the 9063 influenza associated hospitalizations (7.2%)

**National IAH Data from CDC for MMWR Weeks 40-15 (April 12, 2015 to April 18, 2015)**

- Overall hospitalization rate was 63.6 per 100,000 population
- The highest rate of hospitalization was among adults aged  $\geq 65$  years (313.8 per 100,000 population), followed by children aged 0-4 years (55.4 per 100,000 population)
- Among all hospitalizations, 86.8% were associated with influenza A, 12% with influenza B, 0.5% with influenza A and B co-infection, and 0.7% 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 (93.8%) 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 128 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 15 (April 12, 2015 to April 18, 2015)**

- During week 15, 6.7% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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