

**EXECUTIVE SUMMARY**  
**MMWR Week 9: March 1, 2015-March 7, 2015****Current Trends**

- Influenza-Associated Hospitalizations (IAH)\*\*
  - There were a total of 2 IAH cases reported for this week
  - IAH cases stayed the same compared to last week (Week 8)
  - Adults aged 25-44 and adults aged 45-64 each equally accounted for 50% of all reported IAH cases
  - Females accounted for 100% of all reported IAH cases
  - African-Americans and Whites each equally accounted for 50% of all IAH cases
  - Cuyahoga County has 16.4% 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 deaths reported during Week 9 for Cuyahoga County. There have been a total of 43 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 8, 2014: 2870  
MMWR Week 40-Week 8, 2015: 7985  
*178% increase in IAH cases*
- Northeast Region of Ohio  
Week 7, 2014: 20  
Week 7, 2015: 12  
*40% 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: 03.10.2015

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



## March 1<sup>st</sup> to March 7<sup>th</sup>, 2015 (MMWR Week 9) 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 **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 2 influenza-associated hospitalizations reported this week

- Adults aged 25-44 and adults aged 45-64 each equally accounted for 50% of all reported hospitalizations
- Hospitalizations **stayed the same** compared to last week (2 hospitalizations)
- Average age is not applicable due to the small number of hospitalizations
- African-Americans and Whites each equally accounted for 50% of all reported hospitalizations
- Females accounted for 100% of all reported hospitalizations

| Race             | Number of Reported Hospitalizations | Percentage of Hospitalizations |
|------------------|-------------------------------------|--------------------------------|
| African-American | 1                                   | 50%                            |
| Asian            | 0                                   | 0%                             |
| White            | 1                                   | 50%                            |
| Other            | 0                                   | 0%                             |
| Unknown          | 0                                   | 0%                             |

| Sex     | Number of Reported Hospitalizations | Percentage of Hospitalizations |
|---------|-------------------------------------|--------------------------------|
| Female  | 2                                   | 100%                           |
| Male    | 0                                   | 0%                             |
| Unknown | 0                                   | 0%                             |

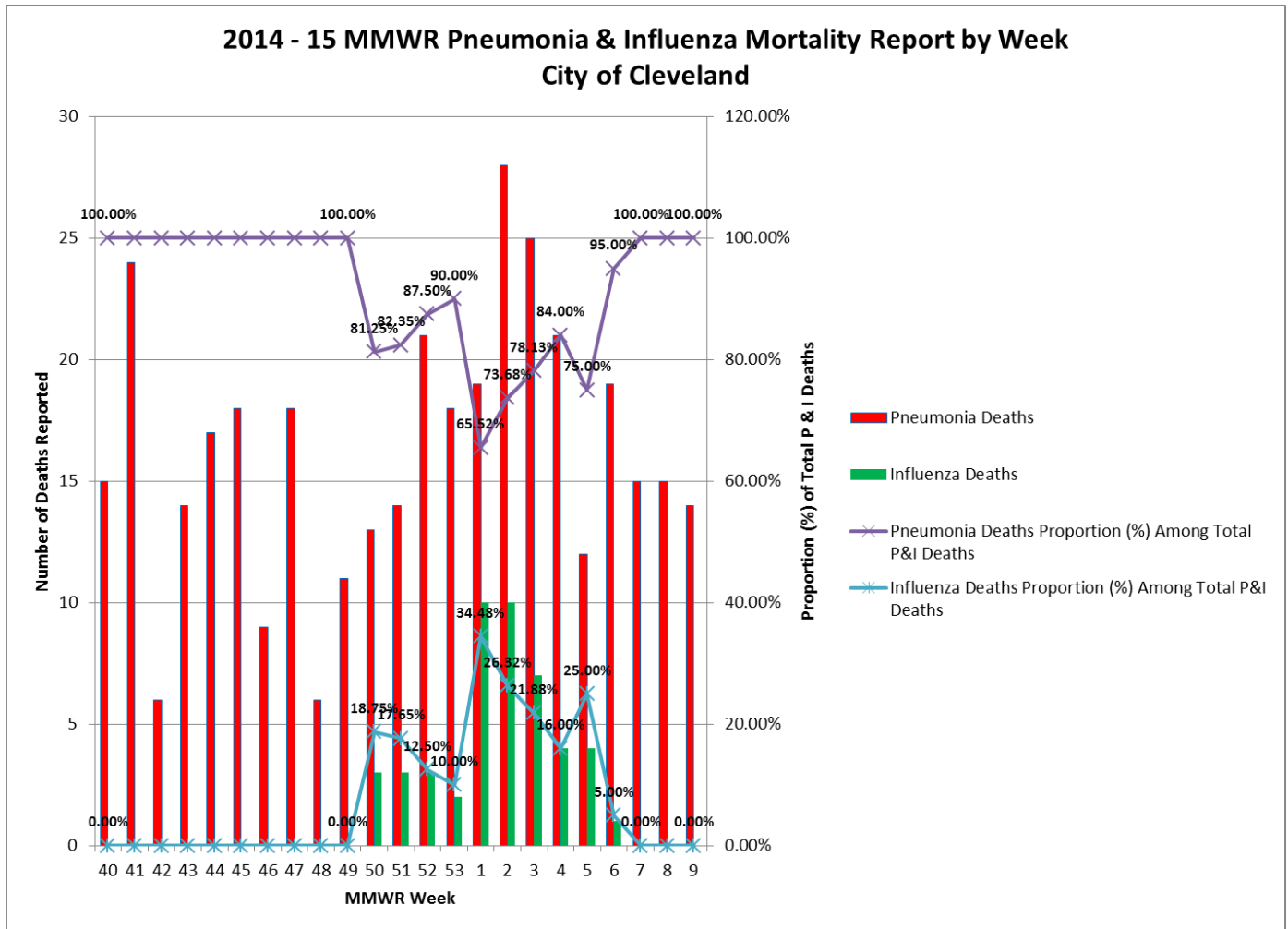
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| Age                | Number of Reported Hospitalizations | Percentage of Hospitalizations |
|--------------------|-------------------------------------|--------------------------------|
| 0-14 years         | 0                                   | 0%                             |
| 15-24 years        | 0                                   | 0%                             |
| 25-44 years        | 1                                   | 50%                            |
| 45-64 years        | 1                                   | 50%                            |
| 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:**



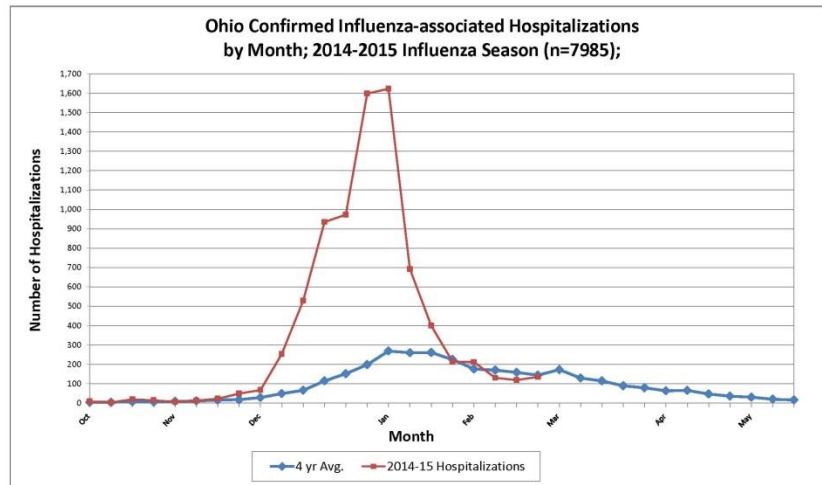
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**Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:**

- There have been a total of 7985 influenza associated hospitalizations in the State of Ohio as of February 28<sup>th</sup>, 2015
- Cuyahoga County has 1311 out of the 7985 influenza associated hospitalizations (16.4%)
- The City of Cleveland has 545 out of the 7985 influenza associated hospitalizations (6.8%)

**National IAH Data from CDC for MMWR Weeks 40-8 (February 22, 2015 to February 28, 2015)**

- Overall hospitalization rate was 51.7 per 100,000 population
- The highest rate of hospitalization was among adults aged  $\geq 65$  years (266.1 per 100,000 population), followed by children aged 0-4 years (47.8 per 100,000 population)
- Among all hospitalizations, 94.2% were associated with influenza A, 5.0% with influenza B, 0.4% 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 (93.1%) 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 110 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 31 states; Ohio is one of these states with 6 pediatric deaths

**National IAH Data from CDC for MMWR Week 8 (February 22, 2015 to February 28, 2015)**

- During week 8, 7.2% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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