

**EXECUTIVE SUMMARY**  
**MMWR Week 20: May 17, 2015-May 23, 2015****Current Trends**

- Influenza-Associated Hospitalizations (IAH)\*\*
  - There were a total of 4 IAH cases reported for this week
  - IAH cases decreased by 33.33% compared to last week (Week 19)
  - Children aged 0-14 accounted for 75% of all reported hospitalizations
  - Females and males each accounted for 50% of all IAH cases
  - African-Americans accounted for 100% of all IAH cases
  - Cuyahoga County has 16.9% of all IAH cases in Ohio
  - The City of Cleveland has 7.2% of all IAH cases in Ohio
- Influenza Deaths
  - There was no influenza deaths reported during Week 20 for Cuyahoga County. There have been a total of 48 deaths in Cuyahoga County (19 total deaths in Cleveland) over the 2014-2015 influenza season

**IAH Cases: Comparison to Previous Years**

- State of Ohio  
MMWR Week 40-Week 19, 2014: *Data not available*  
MMWR Week 40-Week 19, 2015: 9352  
*Percent increase in IAH cases not available*
- Northeast Region of Ohio  
Week 19, 2014: *Data not available*  
Week 19, 2015: 21  
*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: 05.26.2015*

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



## May 17<sup>th</sup> to May 23<sup>rd</sup>, 2015 (MMWR Week 20) 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 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 4 influenza-associated hospitalizations reported this week

- Children aged 0-14 accounted for 75% of all reported hospitalizations
- Hospitalizations decreased by **33.33%** (↓) compared to last week (6 hospitalizations)
- The average age of influenza-associated hospitalizations was 6 years
- African-Americans accounted for 100% 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	4	100%
Asian	0	0%
White	0	0%
Other	0	0%
Unknown	0	0%

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	2	50%
Male	2	50%
Unknown	0	0%

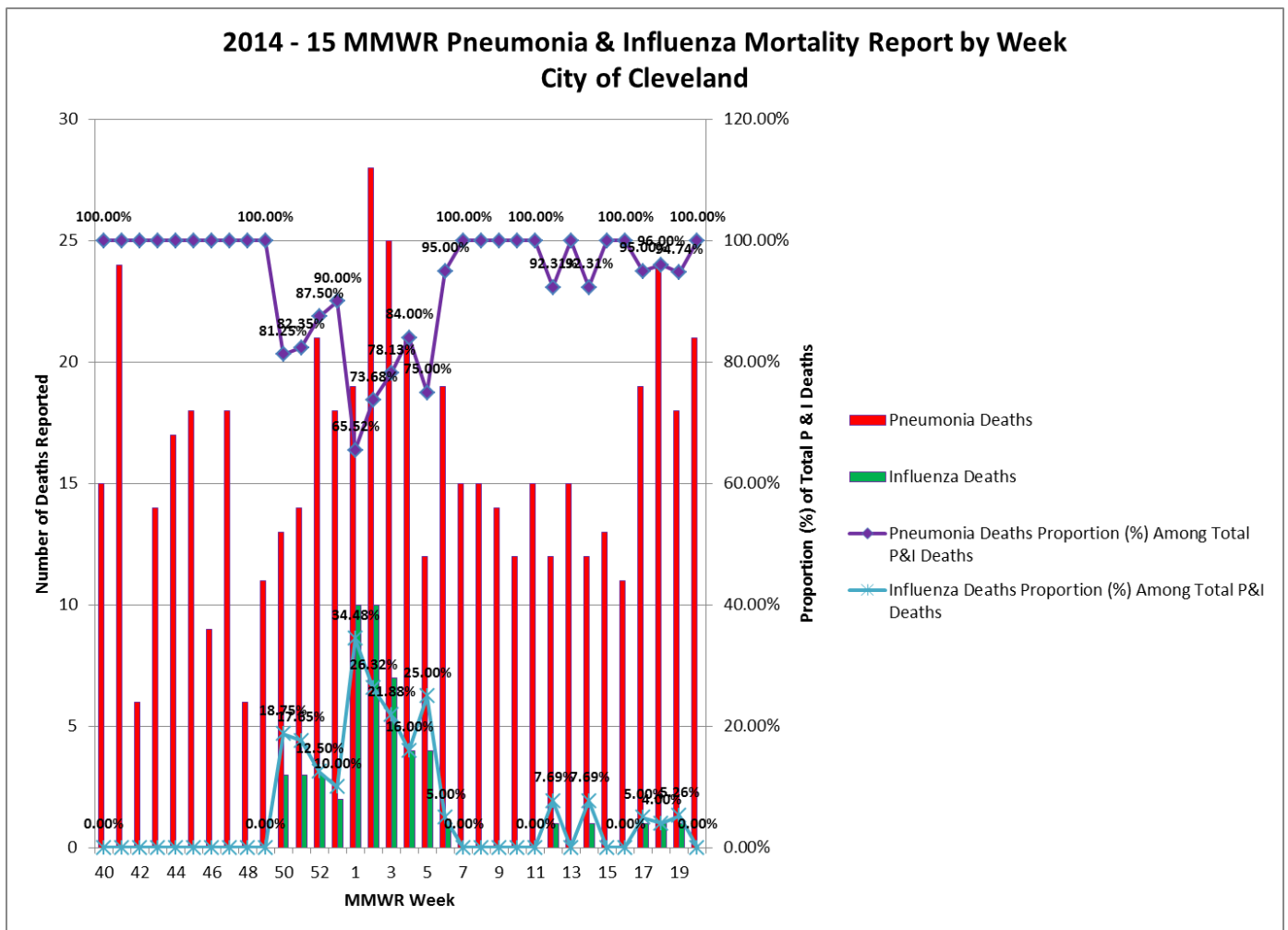
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Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	3	75%
15-24 years	1	25%
25-44 years	0	0%
45-64 years	0	0%
65-74 years	0	0%
75-84 years	0	0%
85 years and older	0	0%
Age not reported	0	0%

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



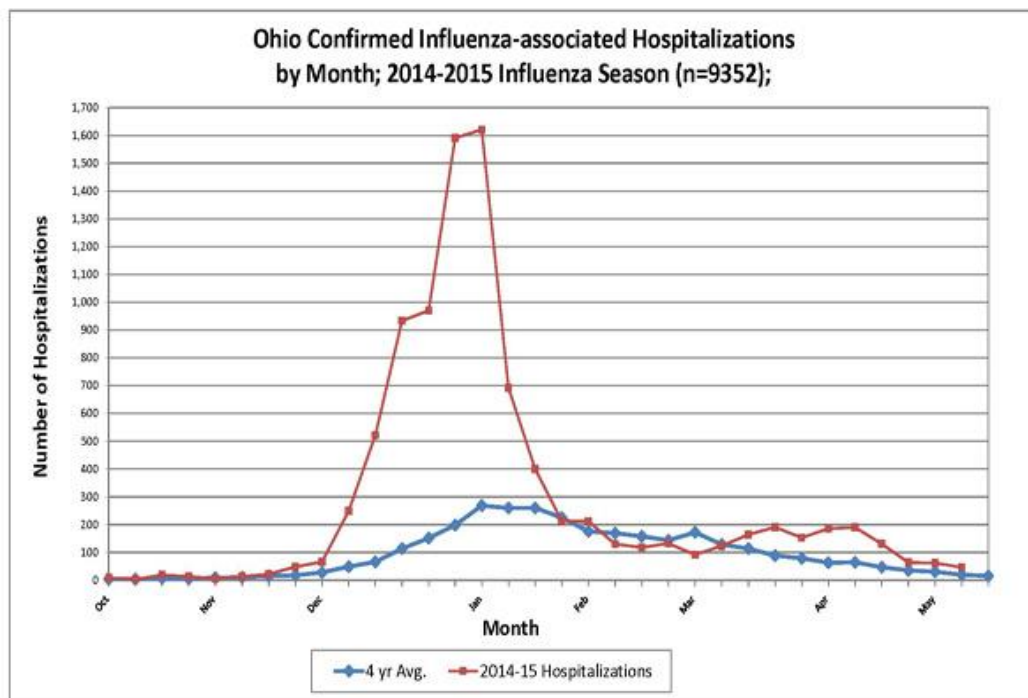
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**Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:**

- There have been a total of 9352 influenza associated hospitalizations in the State of Ohio as of May 16<sup>th</sup>, 2015
- Cuyahoga County has 1580 out of the 9352 influenza associated hospitalizations (16.9%)
- The City of Cleveland has 675 out of the 9352 influenza associated hospitalizations (7.2%)

**National IAH Data from CDC for MMWR Weeks 40-19 (May 10, 2015 to May 16, 2015)**

- Overall hospitalization rate was 65.5 per 100,000 population
- The highest rate of hospitalization was among adults aged  $\geq 65$  years (322.8 per 100,000 population), followed by children aged 0-4 years (57.2 per 100,000 population)
- Among all hospitalizations, 85.3% were associated with influenza A, 13.7% with influenza B, 0.6% with influenza A and B co-infection, and 0.3% 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 139 influenza-associated pediatric deaths have been reported during the 2014-2015 season from 40 states; Ohio is one of these states with 6 pediatric deaths

**National IAH Data from CDC for MMWR Week 19 (May 10, 2015 to May 16, 2015)**

- During week 19, 6.0% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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