

EXECUTIVE SUMMARY
MMWR Week 1: January 4, 2015-January 10, 2015**Current Trends**

- Influenza-Associated Hospitalizations (IAH)**
 - There were a total of 44 IAH cases reported for this week
 - IAH cases decreased by 42.9% compared to last week (Week 53)
 - Adults aged 45-64, 65-74 and 85 years of age and over each equally accounted for the largest percentage of hospitalizations at 22.7%
 - Males represented the highest percentage of IAH cases at 54.5%
 - Whites represented the highest percentage of IAH cases at 63.6%
 - Cuyahoga County has 22.9% of all IAH cases in Ohio
 - The City of Cleveland has 10.3% of all IAH cases in Ohio
- Influenza Deaths
 - There were 8 influenza deaths (2 were Cleveland residents) reported during Week 1 for Cuyahoga County, for a total of 17 deaths in Cuyahoga County (5 total deaths in Cleveland) over the 2014-2015 influenza season

IAH Cases: Comparison to Previous Years

- State of Ohio
MMWR Week 40-Week 52, 2013: 533
MMWR Week 40-Week 53, 2014: 4487
742% increase in IAH cases
- Northeast Region of Ohio
Week 52, 2013: 101
Week 53, 2014: 279
176% increase 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: 01.20.2015

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



January 4th to January 10th, 2015 (MMWR Week 1) Highlights

Influenza Deaths:

There were a total of 8 influenza deaths reported this week

- Adults aged 85 years and over accounted for 60% of all influenza related deaths
- Influenza deaths accounted for 2.94% of all deaths reported this week
- The number of influenza deaths **increased** (↑) compared to last week (2 deaths)

Influenza Deaths	Age	Sex	Race	Residence
#1	97	Female	White	Rocky River
#2	89	Female	White	Bay Village
#3	89	Female	White	Mayfield Heights
#4	61	Male	White	Broadview Heights
#5	92	Male	White	Chagrin Falls
#6	86	Male	Black	Lyndhurst
#7	88	Female	Black	Cleveland
#8	60	Male	Black	Cleveland

**Underlying medical conditions included: Pneumonia, Chronic Pulmonary Heart Disease, COPD, Sepsis, Cardio Myopathy, and Lung Cancer*

Influenza-Associated Hospitalizations:

There were a total of 44 influenza-associated hospitalizations reported this week

- Adults aged 45-64, 65-74 and 85 years of age and over each equally accounted for the largest percentage of hospitalizations at 22.7%
- Hospitalizations decreased by **42.9%** (↓) compared to last week (77 hospitalizations)
- The average age of influenza-associated hospitalizations was 68 years
- Whites accounted for the largest percentage of hospitalizations at 63.6%
- Males accounted for 54.5% of hospitalizations; compared to 41% for females

Race	Number of Reported Hospitalizations	Percentage of Hospitalizations
African-American	10	22.7%
Asian	1	2.3%
White	28	63.6%
Other	4	9.1%
Unknown	1	2.3%

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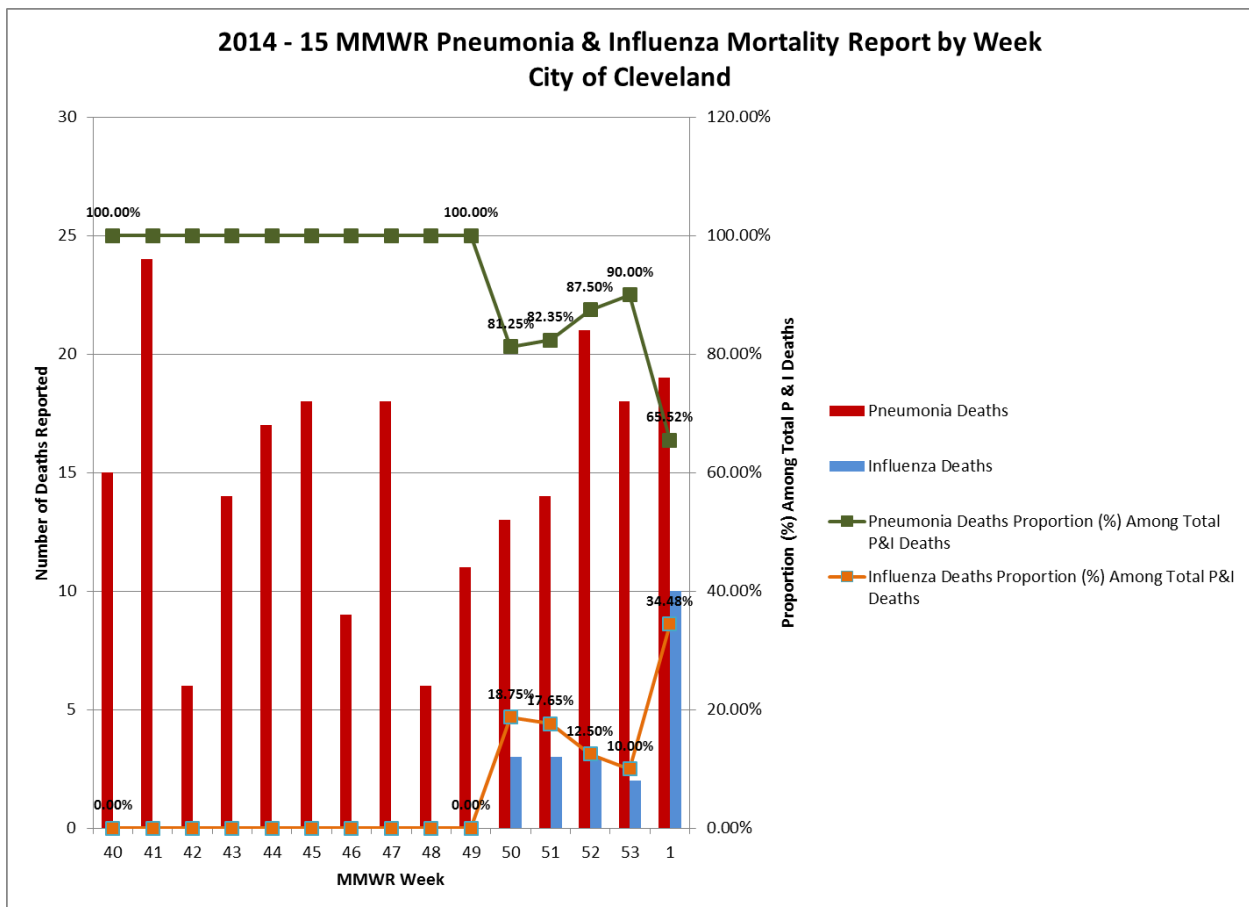
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Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	18	41%
Male	24	54.5%
Unknown	2	4.5%

Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	1	2.3%
15-24 years	0	0%
25-44 years	4	9.1%
45-64 years	10	22.7%
65-74 years	10	22.7%
75-84 years	9	20.5%
85 years and older	10	22.7%
Age not reported	0	0%

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



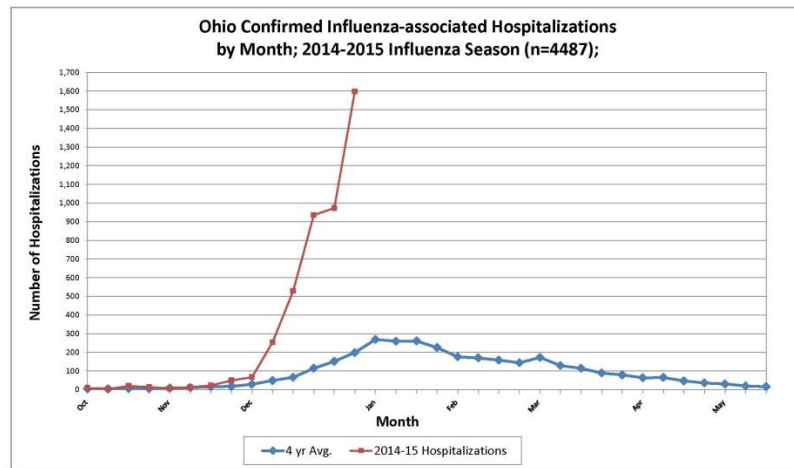
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Confirmed Influenza-Associated Hospitalizations (IAH) by Month for the State of Ohio:

- There have been a total of 4487 influenza associated hospitalizations in the State of Ohio as of January 3rd, 2015
- Cuyahoga County has 1027 out of the 4487 influenza associated hospitalizations (22.9%)
- The City of Cleveland has 463 out of the 4487 influenza associated hospitalizations (10.3%)

**National IAH Data from CDC for MMWR Weeks 40-53 (September 28, 2014 to January 3, 2015)**

- Overall hospitalization rate was 20.1 per 100,000 population
- The highest rate of hospitalization was among adults aged ≥ 65 years (91.6 per 100,000 population), followed by children aged 0-4 years (22 per 100,000 population)
- Among all hospitalizations, 97.1% were associated with influenza A, 2.5% with influenza B, 0.2% with influenza A and B co-infection, and 0.2% had no virus type information
- Among those with influenza A subtype information, 99.6% were H3N2 virus and 0.4% was 2009 H1N1
- The majority (94%) 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, obesity, and immune suppression
- A total of 26 influenza-associated pediatric deaths have been reported during the 2014-2015 season from nine states; Ohio is one of these states with 2 pediatric deaths

National IAH Data from CDC for MMWR Week 53 (December 28, 2014 to January 3, 2015)

- During week 53, 7% of all deaths reported through the 122 Cities Mortality Reporting System were due to Pneumonia & Influenza (P&I)

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