EXECUTIVE SUMMARY MMWR Week 14: April 5, 2015-April 11, 2015

Current Trends

- Influenza-Associated Hospitalizations (IAH)**
 - > There were a total of 22 IAH cases reported for this week
 - > IAH cases increased by 38% compared to last week (Week 13)
 - Adults aged 45-64 and adults aged 65-74 each equally accounted for 41% of all reported hospitalizations
 - ➤ Males accounted for the highest percentage of all IAH cases at 55%
 - ➤ African-Americans accounted for 68% of all IAH cases
 - Cuyahoga County has 16.1% of all IAH cases in Ohio
 - The City of Cleveland has 6.9% of all IAH cases in Ohio
- Influenza Deaths
 - ➤ There was 1 influenza death reported during Week 14 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 13, 2014: 3146 MMWR Week 40-Week 13, 2015: 8699

177% increase in IAH cases

• Northeast Region of Ohio

Week 13, 2014: Not available

Week 13, 2015: 34

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

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



April 5th to April 11th, 2015 (MMWR Week 14) Highlights

Influenza Deaths:

There was a total of 1 influenza death reported this week

- Adults aged 85 and over accounted for 100% of all influenza related deaths reported
- Influenza deaths accounted for 0.37% of all deaths reported this week
- The number of influenza deaths increased compared to last week (0 deaths)

Influenza Deaths	Age	Sex	Race	Residence
#1	92	Female	White	Cleveland

^{*}Underlying medical conditions will not be provided due to the low number of deaths reported.

Influenza-Associated Hospitalizations:

There were a total of 22 influenza-associated hospitalizations reported this week

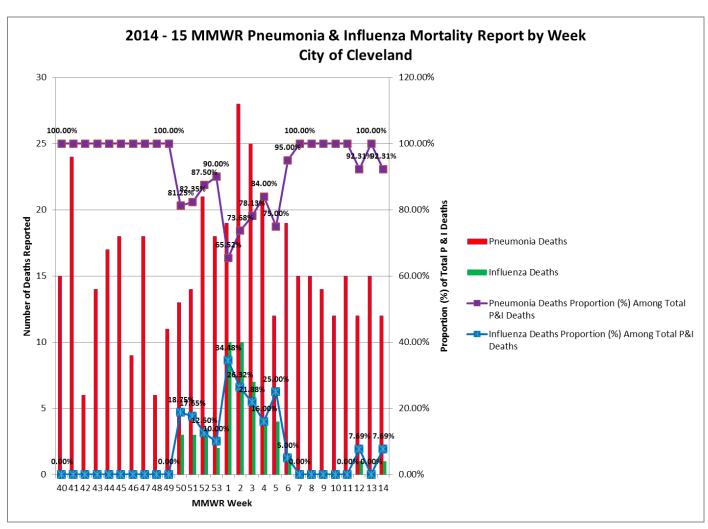
- Adults aged 45-64 and adults aged 65-74 each equally accounted for 41% of all reported hospitalizations
- Hospitalizations increased by 38% (†)compared to last week (16 hospitalizations)
- The average age of influenza-associated hospitalizations was 57 years
- African-Americans accounted for 68% of all reported hospitalizations
- Males accounted for 55% of all reported hospitalizations; compared to 45% for females

Race	Number of Reported	Percentage of Hospitalizations	
	Hospitalizations		
African-American	15	68%	
Asian	0	0%	
White	4	18%	
Other	2	9%	
Unknown	1	5%	

Sex	Number of Reported Hospitalizations	Percentage of Hospitalizations
Female	10	45%
Male	12	55%
Unknown	0	0%

Age	Number of Reported Hospitalizations	Percentage of Hospitalizations
0-14 years	0	0%
15-24 years	2	9%
25-44 years	2	9%
45-64 years	9	41%
65-74 years	9	41%
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:



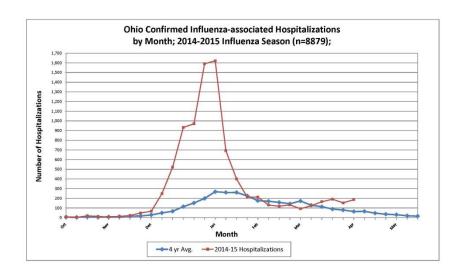
Created by: CDPH Office of Communicable Disease Surveillance and Epidemiology

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

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

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

- There have been a total of 8699 influenza associated hospitalizations in the State of Ohio as of April 4th, 2015
- Cuyahoga County has 1399 out of the 8699 influenza associated hospitalizations (16.1%)
- The City of Cleveland has 604 out of the 8699 influenza associated hospitalizations (6.9%)
 *Please note that the graph and data below reflects Week 14 data. The Week 13 graph and data are not available.



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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