



# Influenza Season Update

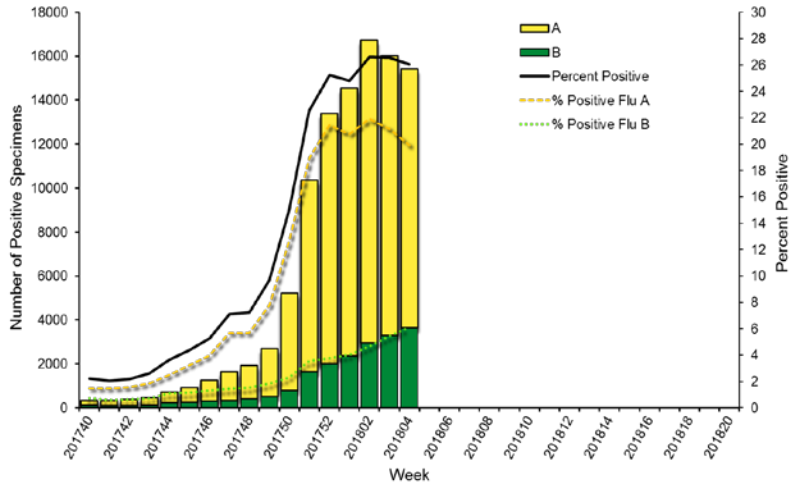
Lynnette Brammer, MPH

National Vaccine Advisory Committee

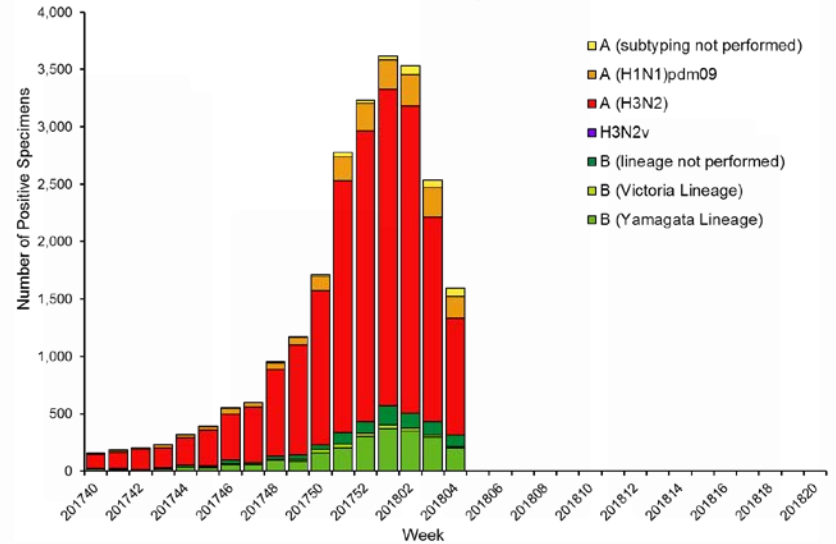
February 8, 2018

# Influenza Virologic Surveillance, 2017-2018 Season

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2017-2018 Season

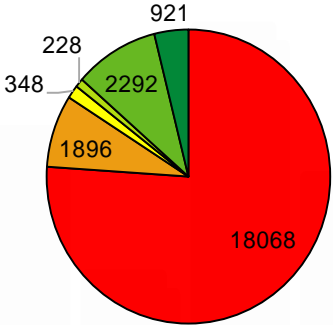


Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2017-2018 Season

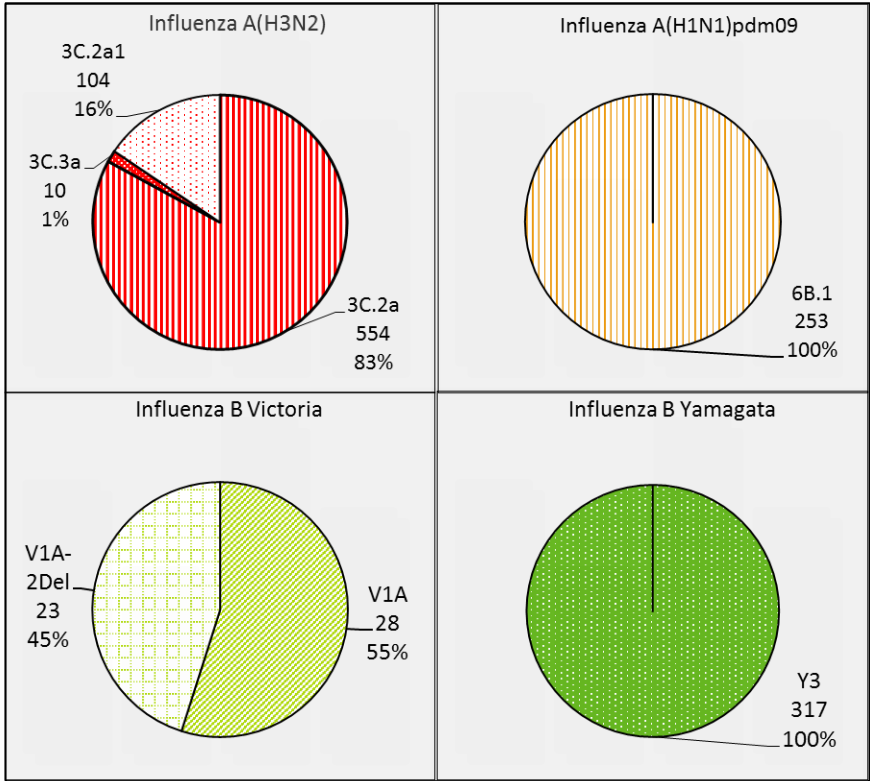


Sequence Results, by Genetic HA Clade/Subclade, of Specimens Submitted to CDC by U.S. Public Health Laboratories, Cumulative, 2017-2018 Season

Influenza Positive Specimens Reported by U.S. Public Health Laboratories, Cumulative, 2017-2018 season

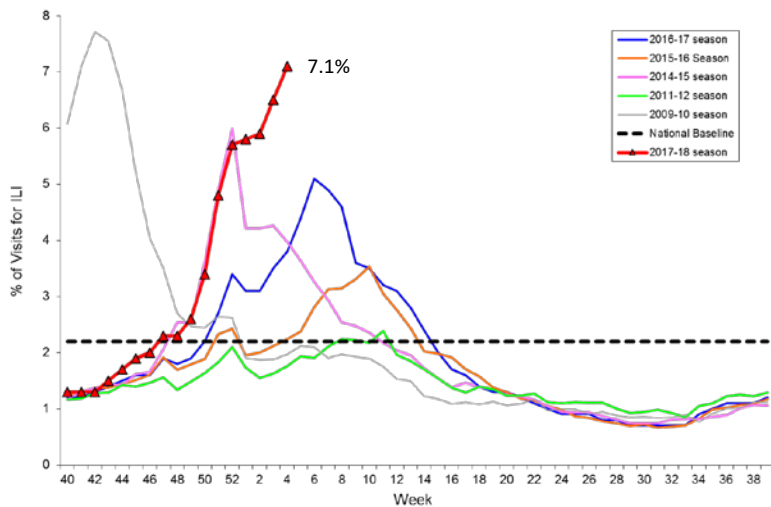


- Influenza A(H3N2)
- Influenza A(H1N1)pdm09
- Influenza A(subtype unknown)
- Influenza B Victoria
- Influenza B Yamagata
- Influenza B (lineage not determined)

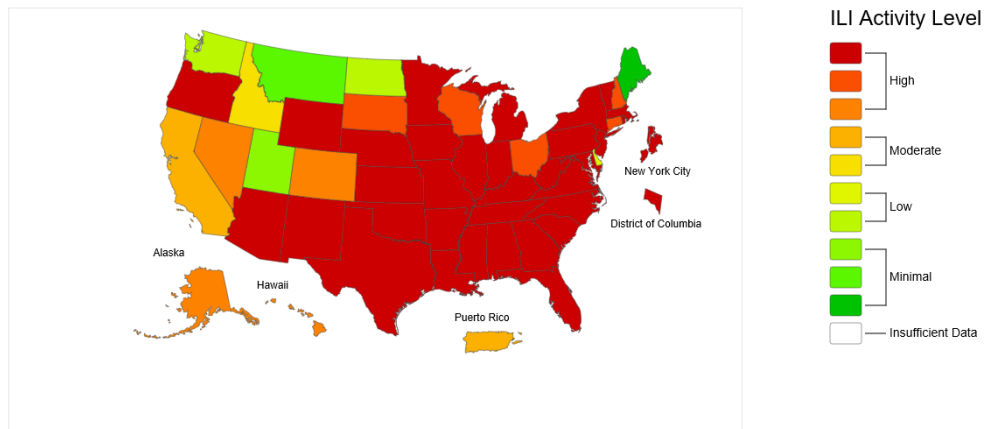


# Outpatient Visits for Influenza-like Illness

Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2017-2018 and Selected Previous Seasons

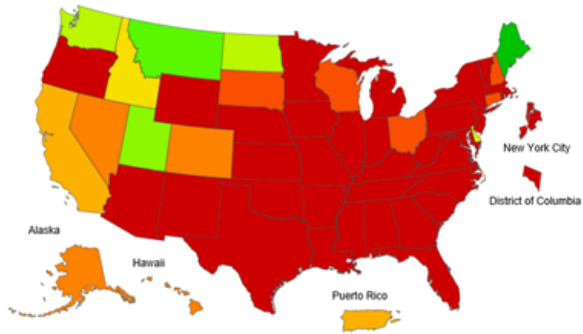


Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2017-18 Influenza Season Week 4 ending Jan 27, 2018



# Geographic Spread of Influenza

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2017-18 Influenza Season Week 4 ending Jan 27, 2018

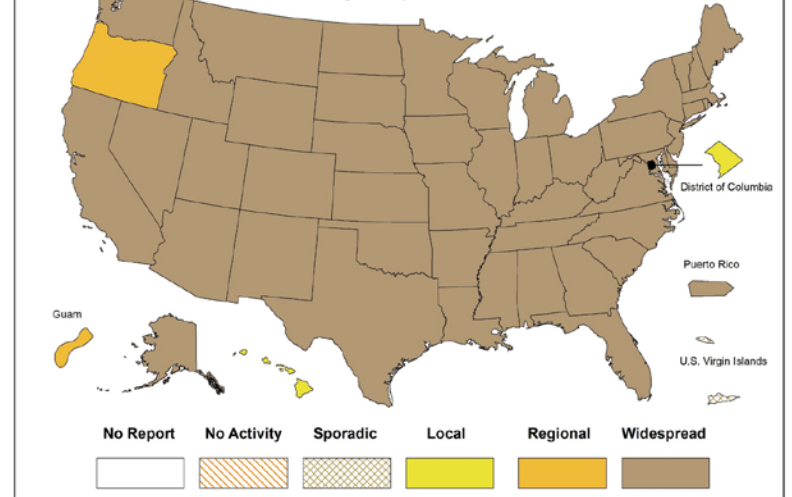


ILI Activity Level



Weekly Influenza Activity Estimates Reported  
by State & Territorial Epidemiologists\*

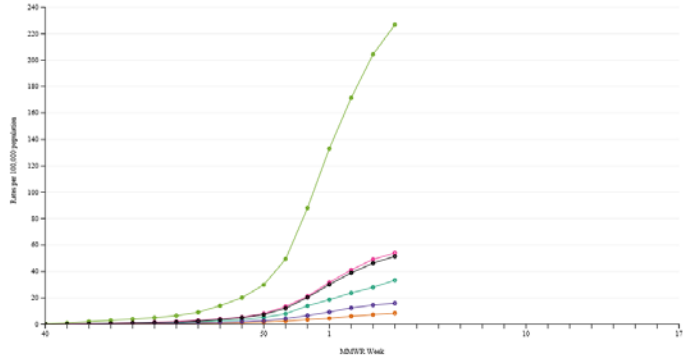
Week ending January 27, 2018 - Week 4



\* This map indicates geographic spread & does not measure the severity of influenza activity

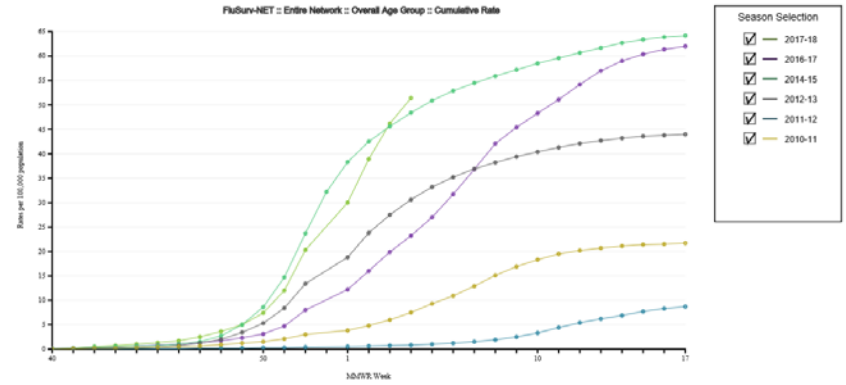
# Laboratory Confirmed Influenza-Associated Hospitalizations, FluSurvNet, 2017-18

Laboratory-Confirmed Influenza Hospitalizations  
Preliminary cumulative rates as of Jan 27, 2018



Overall: 51.4  
 ≥65: 226.8    50-64: 54    18-49: 15.9    5-17: 8.3    0-4: 33.3

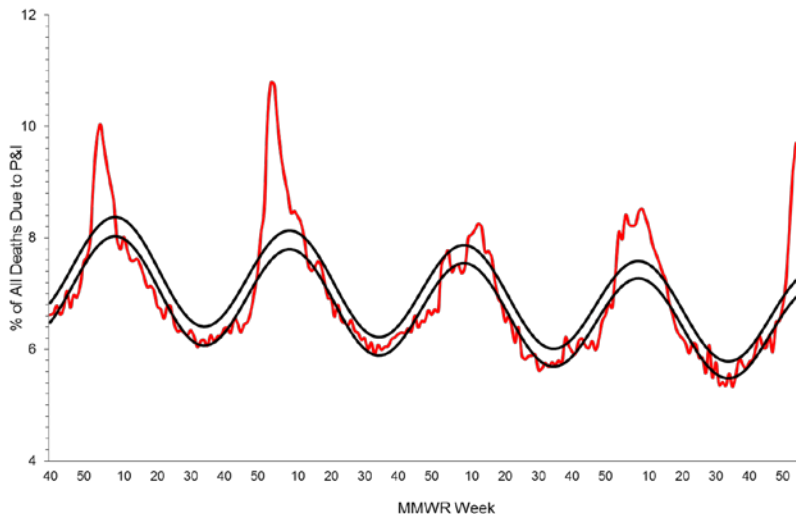
Laboratory-Confirmed Influenza Hospitalizations  
Preliminary cumulative rates as of Jan 27, 2018



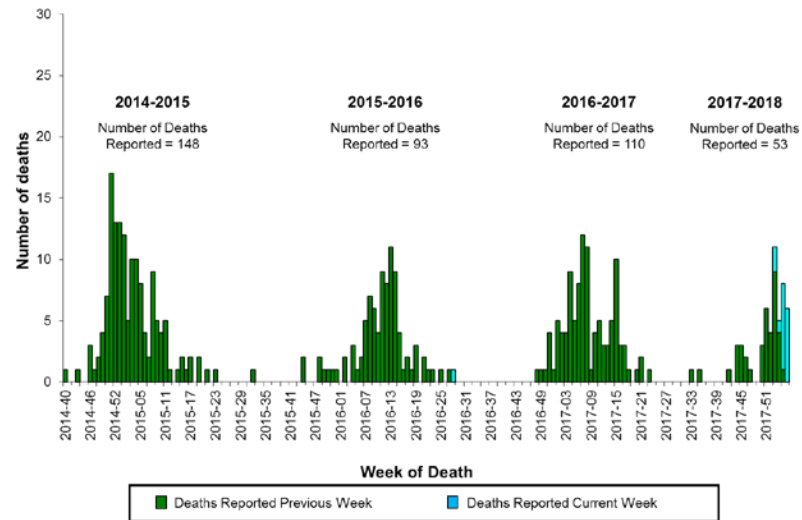
- Season Selection
- 2017-18
  - 2016-17
  - 2014-15
  - 2012-13
  - 2011-12
  - 2010-11

# Influenza-Associated Mortality

Pneumonia and Influenza Mortality from  
the National Center for Health Statistics Mortality Surveillance System  
Data through the week ending January 13, 2018, as of February 1, 2018



Number of Influenza-Associated Pediatric Deaths  
by Week of Death: 2014-2015 season to present



# Summary

- Influenza A(H3N2) viruses have predominated
- ILI activity is the highest we've seen since 2009
- Final severity can't be determined until the end of the season, but for adults, hospitalization rates and mortality could be similar to or exceed those seen during the 2014-15 season



For more information, contact CDC  
1-800-CDC-INFO (232-4636)  
TTY: 1-888-232-6348 [www.cdc.gov](http://www.cdc.gov)

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

