Influenza Activity in the United States
2021 – 2022 Season

Data through the week ending December 25, 2021 (week 51)

https://www.cdc.gov/flu/weekly/index.htm

Influenza Virologic Surveillance – United States,
October 3, 2021, through December 25, 2021

Number of influenza positives = 5,357
### Influenza Virologic Surveillance – United States, October 3, 2021, through December 25, 2021

<table>
<thead>
<tr>
<th>Virus Subtype or Lineage</th>
<th>Total No. of Subtype/Lineage Tested</th>
<th>HA Clade</th>
<th>Number (% of subtype/lineage tested)</th>
<th>HA Subclade</th>
<th>Number (% of subtype/lineage tested)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/H1</td>
<td>3</td>
<td>HA 1A</td>
<td>3 (100%)</td>
<td>5a 1</td>
<td>2 (67%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5a 2</td>
<td>1 (33%)</td>
</tr>
<tr>
<td>A/H3</td>
<td>184</td>
<td>3C 2a/1b</td>
<td>184 (100%)</td>
<td>3a</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2a</td>
<td>0</td>
<td>2a 1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2a 2</td>
<td>183 (99%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B/Victoria</td>
<td>16</td>
<td>B/V1A</td>
<td>16 (100%)</td>
<td>V1A</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>V1A 1</td>
<td>0</td>
<td>V1A 3</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>V1A 3a</td>
<td>9 (62%)</td>
<td>V1A 3a 1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>V1A 3a 2</td>
<td>7 (44%)</td>
</tr>
<tr>
<td>B/Yamagata</td>
<td>0</td>
<td>B/Y2</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Antiviral Resistance
- Oseltamivir, Peramivir, Zanamivir
  - 210 tested
  - No reduced inhibition
- Baloxavir
  - 193 tested
  - No decreased susceptibility

### Outpatient Visits for Respiratory Illness, Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)

*This system monitors visits for respiratory illness that includes fever plus cough or sore throat (referred to as ILI) not laboratory-confirmed influenza, and may capture patient visits due to other respiratory pathogens that cause similar symptoms.*
ILI Activity Level, Determined by Data Reported to ILINet
Week ending December 25, 2021 (Week 51)

*This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.

Percent of Long-Term Care Facilities (LTCF) with at least One Confirmed Influenza Case among Residents, Reported to CDC National Healthcare Safety Network (NHSN), National Summary, October 24, 2021 – December 25, 2021
Influenza Hospitalizations
United States

Influenza Hospital Admissions Reported to HHS Protect
National Summary
October 1, 2021 – December 25, 2021

- Population-based surveillance
- Lab-confirmed influenza-related hospitalizations
- Select counties in 14 states, represents 9% of the U.S. population

535 hospitalizations reported
1.8 hospitalizations per 100,000 population

Influenza-Related Mortality
United States

Pneumonia, Influenza, and COVID-19 Mortality from the National Center for Health Statistics Mortality Surveillance System
Data as of December 30, 2021

Number of Influenza-Associated Pediatric Deaths by Week of Death, 2018-2019 season to 2021-2022 season

2018-2019: Number of Deaths = 144
2019-2020: Number of Deaths = 159
2020-2021: Number of Deaths = 1
2021-2022: Number of Deaths = 1
Summary

- Influenza activity is increasing; level of activity varies by region.
- Majority of viruses detected are A(H3N2).
  - Most are genetically closely related to the vaccine virus but have some antigenic differences
  - No antiviral resistant viruses identified
- Percentage of outpatient visits for respiratory illness is increasing and is above the national baseline.
  - Influenza is contributing but so are other respiratory viruses.
  - Relative contribution of the different viruses varies by location.
- Flu hospitalizations are starting to increase.
- The flu season is just getting started so there is still time to get vaccinated.
Additional Information

Influenza Activity
• FluView
  – https://www.cdc.gov/flu/weekly/index
• FluView Interactive
  – https://www.cdc.gov/flu/weekly/fluviewinteractive.htm
• WHO's FluNet
  – https://www.who.int/tools/flunet

Other Respiratory Virus Activity
• COVID Data Tracker Weekly Review
• COVID Data Tracker
• National Respiratory Virus Surveillance System (NREVSS)