Influenza Activity in the United States
2021 – 2022 Season

Data through the week ending March 12 (week 10)

Influenza Virologic Surveillance – United States,
October 3, 2021 through March 12, 2022

Number of influenza positives = 14,456

Number of influenza positives = 14,456
**Influenza Virologic Surveillance – United States, October 3, 2021, through March 12, 2022**

### Antigenic Characterization

<table>
<thead>
<tr>
<th>Virus Subtype/Lineage</th>
<th>Number (%) antigenically similar to vaccine reference virus</th>
</tr>
</thead>
<tbody>
<tr>
<td>A/H3N2</td>
<td>2 (3%) similar to cell-grown reference virus, 18 (31%) similar to egg-grown reference virus</td>
</tr>
<tr>
<td>A/H1N1</td>
<td>1 (50%) similar to cell-grown reference virus, 1 (50%) similar to egg-grown reference virus</td>
</tr>
<tr>
<td>B/Victoria</td>
<td>11 (79%) similar to cell-grown reference virus, 11 (79%) similar to egg-grown reference virus</td>
</tr>
<tr>
<td>B/Yamagata</td>
<td>0</td>
</tr>
</tbody>
</table>

**No antiviral resistance virus detected.**

- Oseltamivir, Peramivir, Zanamivir: 833 tested
- Baloxavir: 819 tested

### Genetic Characterization

<table>
<thead>
<tr>
<th>Virus Subtype/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/H3</td>
<td>3</td>
<td>6.1A</td>
<td>3 (100%)</td>
<td>5a.1</td>
<td>2 (66.7%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5a.2</td>
<td>1 (33.3%)</td>
</tr>
<tr>
<td>A/H1</td>
<td>791</td>
<td>3C.2a1b</td>
<td>791 (100%)</td>
<td>1a</td>
<td>1 (0.1%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1b</td>
<td>1 (0.1%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3a</td>
<td></td>
<td>2a.1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2a.2</td>
<td>789 (99.9%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3C.3a</td>
<td>0</td>
<td>3a</td>
<td>0</td>
</tr>
<tr>
<td>B/Victoria</td>
<td>23</td>
<td>V1A</td>
<td>23 (100%)</td>
<td>V1A</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>V1A.1</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>V1A.3</td>
<td>9 (39.1%)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>V1A.3a</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></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>14 (60.9%)</td>
</tr>
<tr>
<td>B/Yamagata</td>
<td>0</td>
<td>Y1</td>
<td>0</td>
<td>Y1</td>
<td>0</td>
</tr>
</tbody>
</table>

**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 March 12, 2022 (Week 10)

*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 4, 2021 – March 12, 2022
Influenza Hospitalizations
United States

Influenza Hospital Admissions Reported to HHS Protect
National Summary
October 3, 2021 – March 12, 2022

FluSurv-NET
Cumulative Rate of Laboratory-Confirmed Influenza-Associated Hospitalizations Among Cases of All Ages as of MMWR Week 10, 2015-16 to 2021-22

Influenza-Related Mortality
United States

Pneumonia, Influenza, and COVID-19 Mortality from the National Center for Health Statistics Mortality Surveillance System
Data as of March 17, 2022

Influenza-Associated Pediatric Deaths
by Week of Death, 2018-2019 season to 2021-2022 season
International Influenza Activity:
Number of Influenza Positives Reported to WHO’s FluNet
October 2018 – March 12, 2022

Southern Hemisphere

Highly Pathogenic Avian Influenza (HPAI) A(H5N1):
U.S. Status as of March 23, 2022

• Continued detections of HPAI H5N1 in birds
  – Wild birds - 25 states
  – Commercial poultry and backyard flocks – 54 outbreaks in 17 states

• No human cases in the U.S.
HPAI A(H5N1):
Take Home Points

• No human infections with HPAI H5 in the U.S. at this time
• Risk to general public is low
• Risk to poultry workers, outbreak responders and waterfowl hunters may be increased as wild bird and poultry outbreaks continue
  – A human case may occur
• It is safe to eat properly handled and cooked poultry
• More information