INFLUENZA ACTIVITY UPDATE: 2022-2023 Influenza Season

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Virologic Surveillance – Percent Positive for Influenza

Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, October 2, 2022 – December 31, 2022
Virologic Surveillance – Virus Characteristics

Viruses Collected in the U.S. since May 1, 2022

<table>
<thead>
<tr>
<th>Virus</th>
<th>Genetic Characterization</th>
<th>Antigenic Characterization</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Number Tested</td>
<td>Clade/Subclade</td>
</tr>
<tr>
<td>A/H1</td>
<td>368</td>
<td>1.6% - 68.1A.5a.1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>98.4% - 68.1A.5a.2</td>
</tr>
<tr>
<td>A/H3</td>
<td>1,094</td>
<td>99.9% - 3C.2a1b.2a.2</td>
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<tr>
<td></td>
<td></td>
<td>0.1% - 3C.2a1b.2a.1</td>
</tr>
<tr>
<td>B/Victoria</td>
<td>19</td>
<td>5.3% - V1A.3</td>
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<tr>
<td></td>
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<td>94.7% - V1A.3a.2</td>
</tr>
</tbody>
</table>

Antiviral Susceptibility
Viruses Collected since 10/2/22

- Oseltamivir, Peramivir, Zanamivir – 895 tested, 0 resistant
- Baloxavir – 871 tested, 0 resistant

Outpatient Respiratory Illness
Long-term Care Facilities (LTCF) and Hospitals

FluSurv-NET – Cumulative Rate of Influenza Hospitalizations, All Ages, 2015-16 to 2022-23 week 52

FluSurv-NET – Weekly Rate of Influenza Hospitalizations, All Ages, 2015-16 to 2022-23 week 52

Mortality

Influenza-Associated Pediatric Deaths by Week of Death, 2019-2020 season to 2022-2023 season
Preliminary In-Season Burden Estimates, 2022-23

CDC estimates* that, from October 1, 2022 through December 31, 2022, there have been:

- 22 – 43 million flu illnesses
- 10 – 21 million flu medical visits
- 230,000 – 490,000 flu hospitalizations
- 14,000 – 43,000 flu deaths

Estimated Range of Annual Burden of Flu in the U.S. from 2010 – 2020

Deaths 12,000–52,000
Hospitalizations 140,000–710,000
Illnesses 9,000,000–41,000,000

Summary

- Influenza activity remains high but is declining in most areas of the country.
  - H3N2 remains the predominant virus.
  - H1 is also circulating but to a lesser degree.
  - Very little influenza B virus circulation.
- This wave of activity has likely peaked...
  ...but will we see a second wave?
- Key indicators used to classify severity indicate a moderately severe flu season so far...
  ...but the season is ongoing and this may change.
Questions?
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For more information, contact CDC
1-800-CDC-INFO (232-4636)

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.