Weekly Flu Surveillance Report

Timeframe: 04/10/2022 – 04/16/2022

- The CDC-calculated influenza-like illness (ILI) activity level in Vermont this reporting period remains minimal.

- It is not too late to get a flu shot to reduce the risk of seasonal flu and complications from flu illness. CDC has a webpage with important steps to take to prevent flu, like staying home when sick and practicing good hand hygiene.

- The COVID-19 pandemic may influence influenza surveillance through changes to health seeking behaviors, influenza testing capacity, implemented hygiene and physical distancing measures, and staffing/routines in sentinel sites. Current influenza surveillance data should be interpreted with consideration of these factors. Follow these links for up-to-date Vermont and national COVID-19 data.

Syndromic Surveillance

Vermont Emergency Room and Urgent Care Visits for Influenza-like Illness or Diagnosed Influenza

†The definition of Influenza-like Illness (ILI) was updated in September 2021 to no longer exclude patients with another diagnosed non-influenza illness. The 2021-22 season’s ILI data are not directly comparable to previous seasons due to this change.
Definitions

Influenza-like Illness (ILI): determined using the patient’s chief complaint and/or discharge diagnosis. ILI is the presence of a fever equal to or exceeding 100°F with the addition of cough or sore throat. As of 2021, the ILI definition no longer excludes patients with another diagnosed non-influenza illness.

Influenza (Flu): determined by the patient’s chief complaint of a fever with the addition of cough or sore throat and a discharge diagnosis of influenza.

Polymerase Chain Reaction (PCR) test: a fast, highly accurate way to diagnose certain infectious diseases and genetic changes. The test works by finding the DNA or RNA of a pathogen (disease-causing organism) or abnormal cells in a sample (MedlinePlus, National Library of Medicine).

ILINet Sentinel Provider Data

This surveillance data is based upon reports submitted by ILINet, a nationwide group of medical offices that act as influenza sentinels. Sentinel providers report the number of patients with an influenza-like illness (ILI) seen by their practices each week.

1.66% of visits were due to influenza-like illness among Vermont ILINet providers reporting this week, an increase compared to about 1.5% reported during the previous week.

Laboratory Data

The Health Department Lab performs subtype testing to determine the type of flu, for example H3, H1N1, etc. This information helps determine the circulating virus strains.

<table>
<thead>
<tr>
<th>Type and Subtype</th>
<th>Health Department Lab subtype testing: 04/10/22-04/16/22</th>
<th>Season so far: 10/03/21-04/16/22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flu A H3</td>
<td>5</td>
<td>47</td>
</tr>
<tr>
<td>Flu A H1N1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Flu B</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
The National Respiratory and Enteric Virus Surveillance System (NREVSS) collects data on the number of PCR flu tests performed by participating Vermont labs and how many were positive. This helps determine flu activity in the community.

14% of PCR tests run this week were positive, a decrease compared to 17.63% the previous week but continuing a four-week trend of high percent positivity compared to earlier in the season. During the 2021-22 season, 4.96% of flu PCR tests reported through NREVSS have been positive. Most positive results reported through NREVSS this season have been influenza A.

Reported Outbreaks

Institutional outbreaks of flu or influenza-like illness (excluding outbreaks of respiratory illnesses not caused by influenza viruses, e.g. COVID-19) are reportable to the Health Department.

Number of Influenza-like Illness and Influenza Lab Confirmed Outbreaks, 04/10/2022 – 04/16/2022

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