KEY POINTS

Influenza activity was categorized as sporadic for MMWR Week 50
- Low levels of Influenza-like Illness (ILI) activity seen in emergency departments
  - Of the total emergency room visits, 1.5% were due to ILI, a slight increase from week 49 (1.4%)
- Sentinel providers reported 0.8% of patients had ILI
- Vermont Department of Health Laboratory reported 4 positive flu tests and the National Respiratory and Enteric Virus Surveillance System reported 7 positive flu tests

VT Flu Geographic Spread*

No Activity

Sporadic

Local

Regional

Widespread

*Based on CDC’s Activity Estimates Definitions: www.cdc.gov/flu/weekly/overview.htm

FLU SURVEILLANCE SEASON

START
MMWR Week 40
(Week End Date 10/08/16)

END
MMWR Week 20
(Week End Date 5/20/17)

NATIONAL WEEKLY FLU REPORT

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

VERMONT FLU WEBSITE

www.healthvermont.gov/prevent/flu/flusurveillance.aspx

| INFECTIOUS DISEASE EPIDEMIOLOGY | 802-863-7240 | WWW.HEALTHVERMONT.GOV/PREVENT/FLU |
Syndromic Surveillance of Influenza-Like Illness (ILI) at Vermont Hospitals, 2016-2017 vs. Historic Data

Week ending 12/17/2016 (Week 50)

*Note: 2009-2010 Flu season excluded
Sentinel providers report the number of patients with an ILI seen by their practices each week.

ILI is defined as a fever of at least 100° F and cough and/or sore throat, without a known cause other than influenza.

There are 13 medical practices located throughout the state currently partnering with the Health Department as sentinels.

The ILI data are more robust when a higher percentage of provider reports are received. Recent data are provisional due to reporting lags.

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**Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by MMWR Week, 2013/14 – 2016/17 Flu Seasons**

*Week ending 12/17/2016 (Week 50)*

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*The ILI data are more robust when a higher percentage of provider reports are received. Recent data are provisional due to reporting lags.*
Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week, 2013/14 – 2016/17 Flu Seasons

*The ILI data are more robust when a higher percentage of provider reports are received. Recent data are provisional due to reporting lags.
Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by Age Group by MMWR Week 2016/2017 Flu Season

*The ILI data are more robust when a higher percentage of provider reports are received. Recent data are provisional due to reporting lags.
Vermont Department of Health Laboratory (VDHL) and National Respiratory and Enteric Virus Surveillance System (NREVSS)

<table>
<thead>
<tr>
<th>Specimens Tested</th>
<th>VDHL* Current Week (Dec 11-17, 2016)</th>
<th>VDHL* 2016-2016 Season Total (Oct 2-Dec 10, 2016)</th>
<th>NREVSS* Current Week (Dec 11-17, 2016)</th>
<th>NREVSS* 2016-2016 Season Total (Oct 2-Dec 10, 2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>Percentage</td>
<td>Number</td>
<td>Percentage</td>
<td>Number</td>
</tr>
<tr>
<td>Specimens Tested</td>
<td>6</td>
<td>30</td>
<td></td>
<td>101</td>
</tr>
<tr>
<td>Positive Specimens</td>
<td>4</td>
<td>66.7%</td>
<td>9</td>
<td>6.9%</td>
</tr>
</tbody>
</table>

Positive Specimens by Type/Subtype

<table>
<thead>
<tr>
<th></th>
<th>Influenza A</th>
<th>A (2009 H1N1)</th>
<th>A (H1)</th>
<th>A (H3)</th>
<th>A (unsubtyped)</th>
<th>Influenza B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Percentage</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
</tr>
</tbody>
</table>

*Laboratory data obtained from VDHL and from NREVSS may include the same specimens tested for flu. They are not mutually exclusive. Facilities that report to NREVSS may submit a specimen to VDHL for additional testing, therefore being reported both in NREVSS and VDHL.*