Influenza activity was categorized as **Sporadic** for MMWR Week 45

- Decreased levels of Influenza-like Illness (ILI) activity seen in emergency departments
  - Of the total emergency room visits, **0.9% were due to ILI**
- Decreased levels of ILI activity reported by outpatient providers
  - Sentinel providers reported **0.7% of patients had ILI**
- Vermont Department of Health Laboratory reported **0 positive flu tests**
- National Respiratory and Enteric Virus Surveillance System reported **1 positive flu test**

*Based on CDC’s Activity Estimates Definitions: [www.cdc.gov/flu/weekly/overview.htm](http://www.cdc.gov/flu/weekly/overview.htm)
Week Ending 11/11/2017 (Week 45)
Sentinel providers report the number of patients with an ILI seen by their practices each week. ILI is defined as a measured fever of at least 100° F and cough and/or sore throat, without a known cause other than influenza. There are 11 medical practices located throughout the state currently partnering with the Health Department as sentinel sites.

Percent of Visits Reported by Vermont Sentinel Providers* with Influenza-like Illness by MMWR Week, 2015/16 – 2017/18 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, 2015/16 – 2017/18 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 2017/2018 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.
**LABORATORY DATA**

Individual influenza laboratory results are not reported to the Vermont Department of Health. The data below represents an unknown subset of the actual number of flu tests done in Vermont.

Vermont Department of Health Laboratory (VDHL) tests specimens for flu to identify exactly which strains are currently causing illnesses in the state. Flu testing at the state laboratory is for surveillance purposes and completed on specimens submitted to VDHL.

National Respiratory and Enteric Virus Surveillance System (NREVSS) data is collected from collaborating university and community hospital laboratories. These participating laboratories report positive results for a number of viruses, including influenza, on a weekly basis. Three Vermont hospitals contribute data into this system and is voluntary.

<table>
<thead>
<tr>
<th>Specimens Tested</th>
<th>Number</th>
<th>Percentage</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDHL* Current Week (Nov 5-Nov 11, 2017)</td>
<td>1</td>
<td></td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>VDHL* 2017-2018 Season Total (Oct 1, 2017-Nov 11, 2017)</td>
<td>1</td>
<td></td>
<td>94</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Positive Specimens</th>
<th>Number</th>
<th>Percentage</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDHL* Current Week (Nov 5-Nov 11, 2017)</td>
<td>0</td>
<td>0%</td>
<td>1</td>
<td>9.1%</td>
</tr>
<tr>
<td>VDHL* 2017-2018 Season Total (Oct 1, 2017-Nov 11, 2017)</td>
<td>0</td>
<td>0%</td>
<td>1</td>
<td>1.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Positive Specimens by Type/Subtype</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza A</td>
</tr>
<tr>
<td>A (2009 H1N1)</td>
</tr>
<tr>
<td>A (H1)</td>
</tr>
<tr>
<td>A (H3)</td>
</tr>
<tr>
<td>A (unsubtyped)</td>
</tr>
<tr>
<td>Influenza B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NREVSS* Current Week (Nov 5-Nov 11, 2017)</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>100%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NREVSS* 2017-2018 Season Total (Oct 1, 2017-Nov 11, 2017)</th>
<th>Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>100%</td>
<td></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 VHDNL for additional testing, therefore being reported both in NREVSS and VDHL.
### ILI OUTBREAK DATA

Suspected outbreaks of ILI should be reported to the health department.

<table>
<thead>
<tr>
<th>Long-Term Care Facility Outbreaks</th>
<th>School Outbreaks</th>
<th>Outbreaks at Other Facilities</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of Outbreaks</strong></td>
<td><strong>Number of Outbreaks</strong></td>
<td><strong>Number of Outbreaks</strong></td>
</tr>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Number of Lab Confirmed Outbreaks</strong>*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Outbreak Regions</strong></td>
<td><strong>Outbreak Regions</strong></td>
<td><strong>Outbreak Regions</strong></td>
</tr>
<tr>
<td>Central: 0</td>
<td>Central: 0</td>
<td>Central: 0</td>
</tr>
<tr>
<td>Northeastern: 0</td>
<td>Northeastern: 0</td>
<td>Northeastern: 0</td>
</tr>
<tr>
<td>Northwestern: 0</td>
<td>Northwestern: 0</td>
<td>Northwestern: 0</td>
</tr>
<tr>
<td>Southeastern: 0</td>
<td>Southeastern: 0</td>
<td>Southeastern: 0</td>
</tr>
<tr>
<td>Southwestern: 1</td>
<td>Southwestern: 0</td>
<td>Southwestern: 0</td>
</tr>
</tbody>
</table>

**Outbreak Regions**

- Central: 0
- Northeastern: 0
- Northwestern: 0
- Southeastern: 0
- Southwestern: 0

*An outbreak at a LTCF is defined as a single resident with a positive flu test plus other cases of respiratory illness **OR** two or more residents with ILI which includes two or more of the following symptoms: fever, nonproductive cough, myalgia, pharyngitis.

[MAP OF INFLUENZA SURVEILLANCE REGIONS IN VERMONT](http://healthvermont.gov/sites/default/files/documents/2016/11/ID_HS_sentinel_map_16.pdf)
Flu Near You is a website where people can anonymously self-report any symptoms they experienced in the past week or if they were healthy. These reports help us track flu both in Vermont and the US.

Click [here](#) to sign up.

Click [here](#) to go to the interactive map.

The percentage of flu-like symptoms reports in the United States has decreased by 0.6 % since last week.
Flu activity in Vermont

Last 7 days

- **3.64 %**
  - Flu-like symptoms
  - 2 reports

- **7.27 %**
  - Other symptoms
  - 4 reports

- **92.73 %**
  - No symptoms
  - 51 reports

The percentage of flu-like symptoms reports in Vermont has increased by 3.6 % since last week.
NATIONAL WEEKLY FLU REPORT
http://www.cdc.gov/flu/weekly/index.htm

VERMONT FLU WEBSITE
www.healthvermont.gov/prevent/flu/flusurveillance.aspx

CDC SEASONAL INFLUENZA WEBSITE
https://www.cdc.gov/flu/index.htm

KEY FACTS ABOUT SEASONAL FLU VACCINE
https://www.cdc.gov/flu/protect/keyfacts.htm