Influenza activity was categorized as **Sporadic** for MMWR Week 42

- Increased levels of Influenza-like Illness (ILI) activity seen in emergency departments
  - Of the total emergency room visits, **1.1% were due to ILI**
- Levels of ILI activity reported by outpatient providers remained the same
  - Sentinel providers reported **0.7% of patients had ILI**
- Vermont Department of Health Laboratory reported **1 positive flu test**
- National Respiratory and Enteric Virus Surveillance System reported **2 positive flu tests**
- One outbreak reported at a LTCF in the southwestern region

*Based on CDC’s Activity Estimates Definitions: [www.cdc.gov/flu/weekly/overview.htm](http://www.cdc.gov/flu/weekly/overview.htm)
Week ending 10/21/2017 (Week 42)

*Note: 2009-2010 flu season excluded
** Note: For the 2017-2018 flu season, VDH switched from using EARS (Early Aberration Reporting System) for syndromic surveillance to using ESSENCE (Electronic Surveillance System for the Early Notification of Community-based Epidemics)
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.

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.
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></th>
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<th></th>
<th></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>2</td>
<td>2</td>
<td>2</td>
<td>49</td>
</tr>
<tr>
<td>Positive Specimens</td>
<td>1</td>
<td>50%</td>
<td>1</td>
<td>50%</td>
</tr>
</tbody>
</table>

Positive Specimens by Type/Subtype

<table>
<thead>
<tr>
<th>Influenza A</th>
<th>1</th>
<th>100%</th>
<th>1</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (2009 H1N1)</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>A (H1)</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>A (H3)</td>
<td>1</td>
<td>100%</td>
<td>1</td>
<td>100%</td>
</tr>
<tr>
<td>A (unsubtyped)</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0%</td>
</tr>
</tbody>
</table>

Influenza B

| 0 | 0% | 0 | 0% |

*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 VDHDL for additional testing, therefore being reported both in NREVSS and VDHL.
Suspected outbreaks of ILI should be reported to the health department.

**ILI OUTBREAK DATA**

**Long-Term Care Facility Outbreaks**
- **Number of Outbreaks**: 1
- **Number of Lab Confirmed Outbreaks**: 0

**Outbreak Regions**
- Central: 0
- Northeastern: 0
- Northwestern: 0
- Southeastern: 0
- Southwestern: 1

**School Outbreaks**
- **Number of Outbreaks**: 0

**Outbreak Regions**
- Central: 0
- Northeastern: 0
- Northwestern: 0
- Southeastern: 0
- Southwestern: 0

**Outbreaks at Other Facilities**
- **Number of Outbreaks**: 0

**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

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.
Flu activity in Vermont

Last 7 days

- **Flu-like symptoms**: 0 %, 0 reports
- **Other symptoms**: 16.39 %, 10 reports
- **No symptoms**: 83.61 %, 51 reports

The percentage of flu-like symptoms reports in Vermont has decreased by 1.5 % since last week.
Resources

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