

# VERMONT WEEKLY INFLUENZA SURVEILLANCE REPORT

December 18-24, 2016 | MMWR Week 51

## KEY POINTS

Influenza activity was categorized as **sporadic** for MMWR Week 51

- Low levels of Influenza-like Illness (ILI) activity seen in emergency departments
  - Of the total emergency room visits, **1.7% were due to ILI**, an increase from week 50 (1.5%)
- Sentinel providers reported **1% of patients had ILI**, an increase from week 50 (0.8%)
- Vermont Department of Health Laboratory reported **8 positive flu tests** and the National Respiratory and Enteric Virus Surveillance System reported **13 positive flu tests**

**VT Flu Geographic Spread\***

No Activity

**Sporadic**

Local

Regional

Widespread

**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>

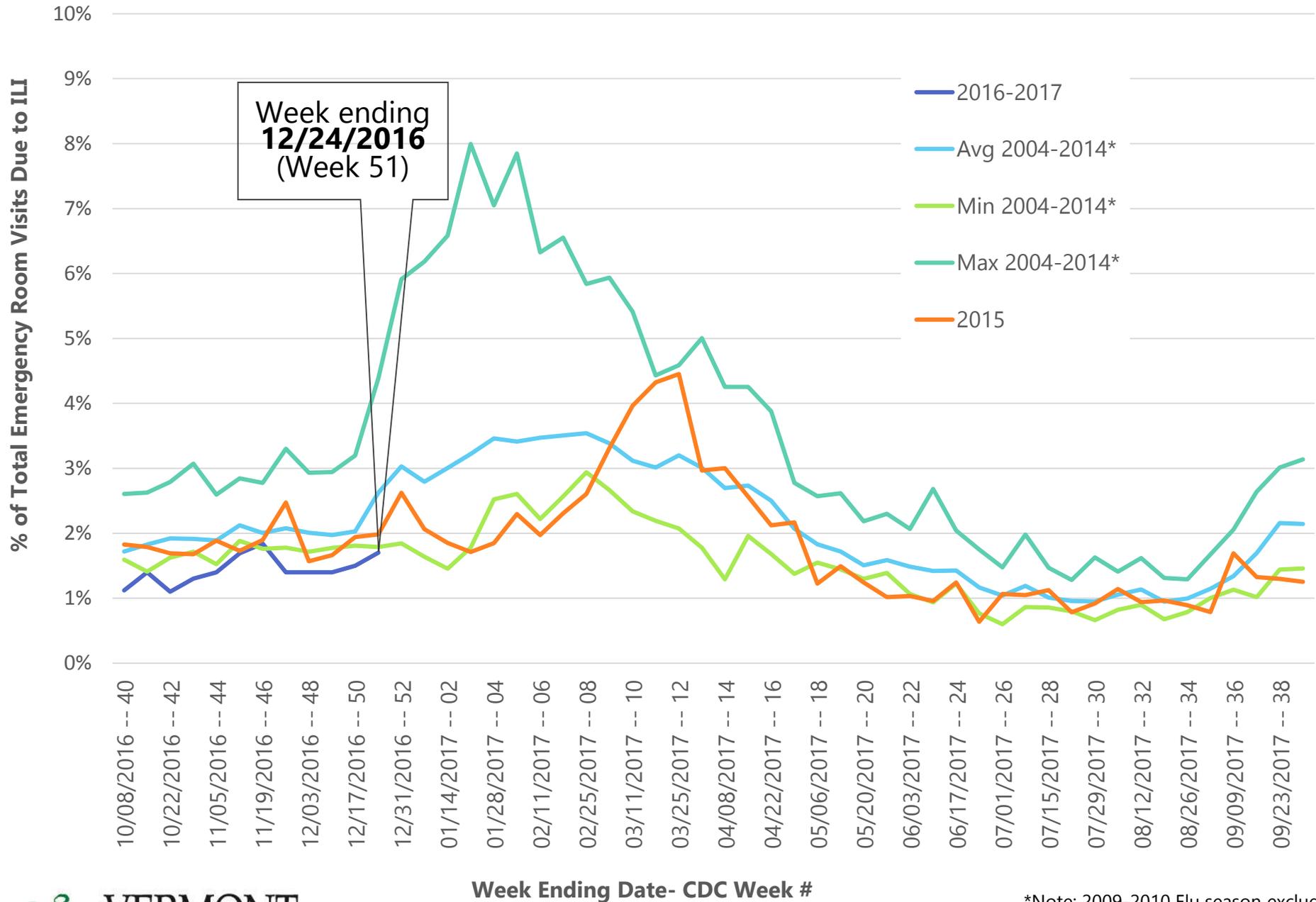
## VERMONT FLU WEBSITE

[www.healthvermont.gov/prevent/flu/flusurveillance.aspx](http://www.healthvermont.gov/prevent/flu/flusurveillance.aspx)

\*Based on CDC's Activity Estimates Definitions:  
[www.cdc.gov/flu/weekly/overview.htm](http://www.cdc.gov/flu/weekly/overview.htm)

# Syndromic Surveillance of Influenza-Like Illness (ILI) at Vermont Hospitals, 2016-2017 vs. Historic Data

SYNDROMIC SURVEILLANCE



\*Note: 2009-2010 Flu season excluded

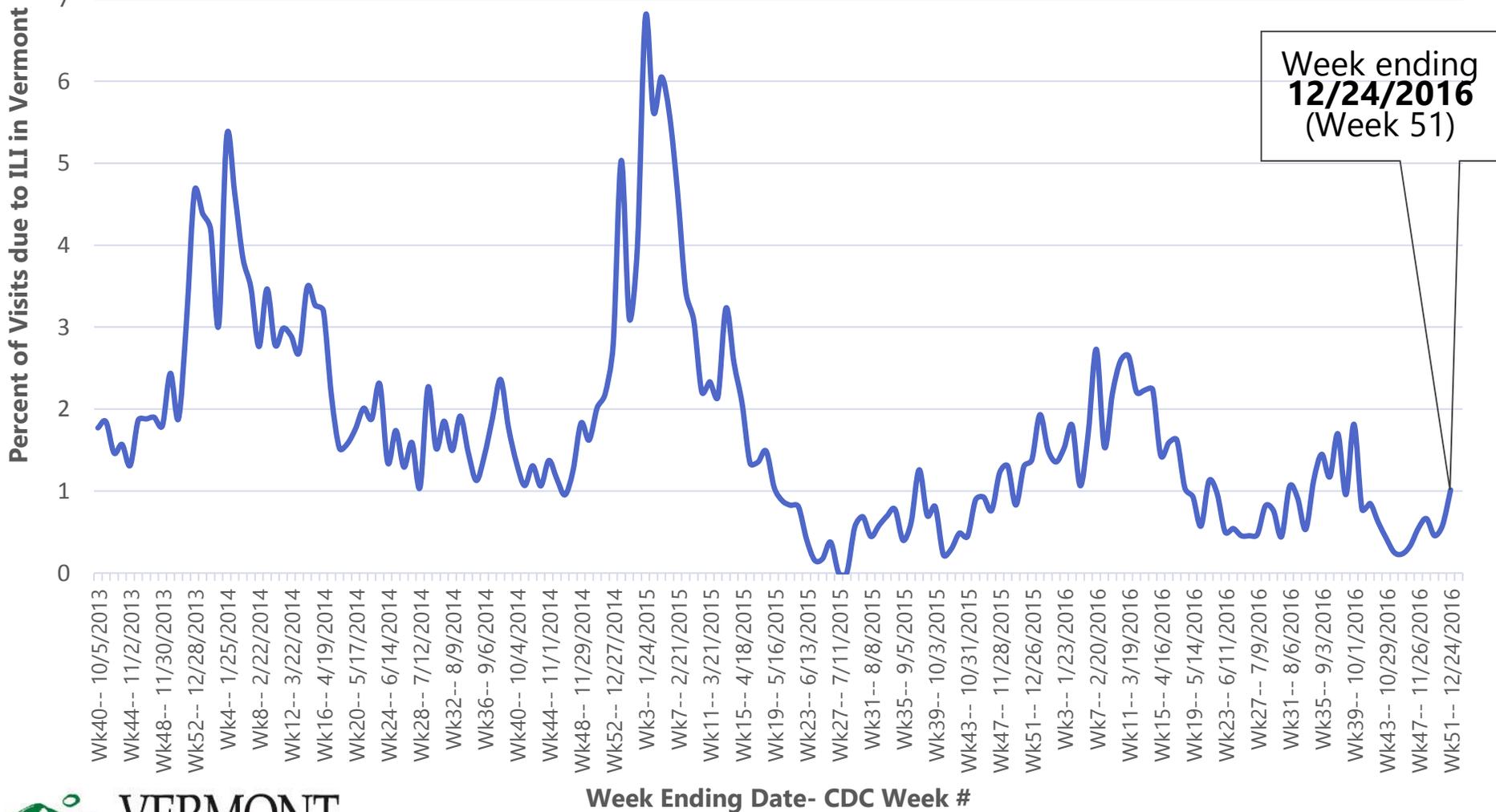
# Sentinel Provider Data From ILINET

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

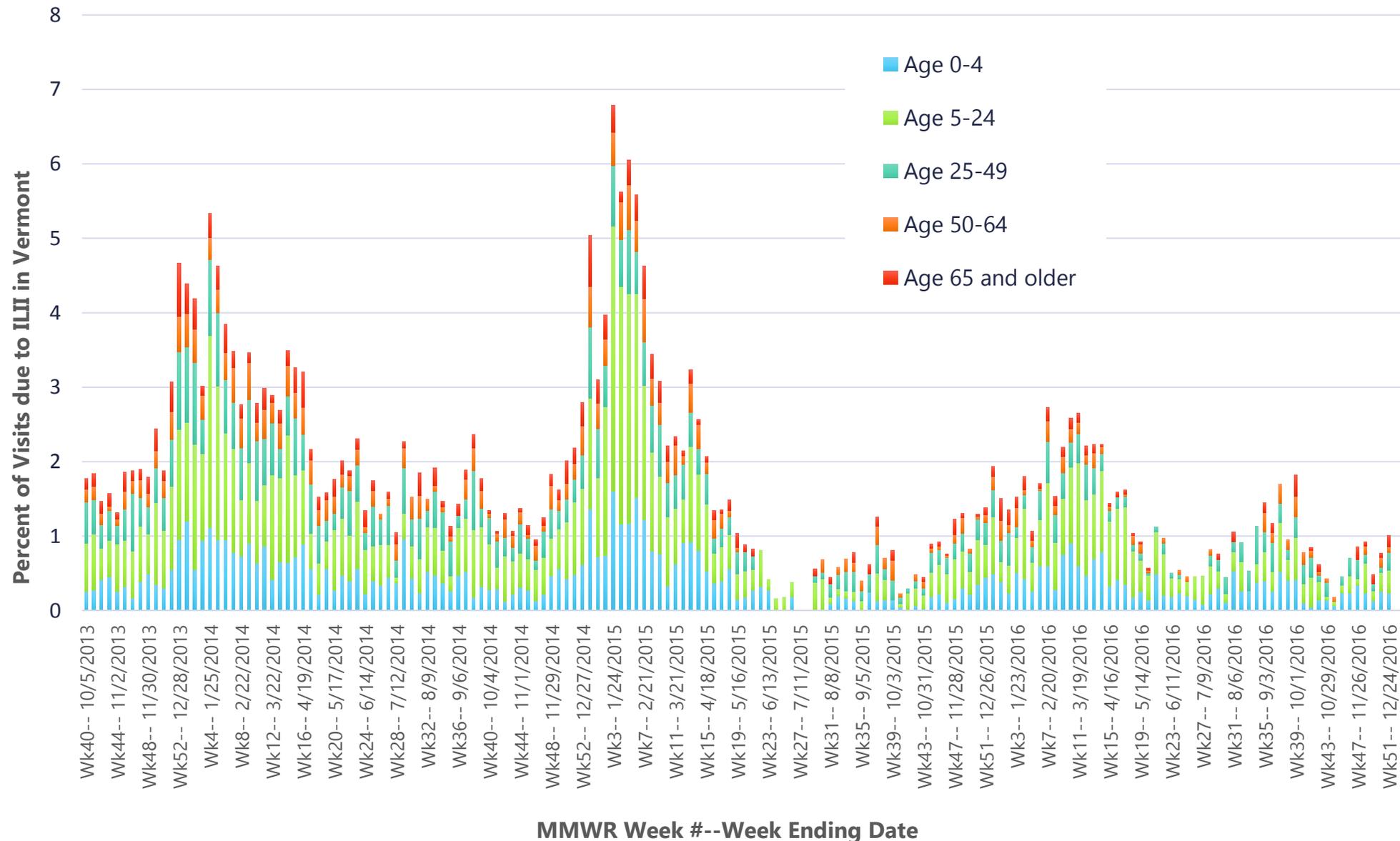
There are 13 medical practices located throughout the state currently partnering with the Health Department as sentinels

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



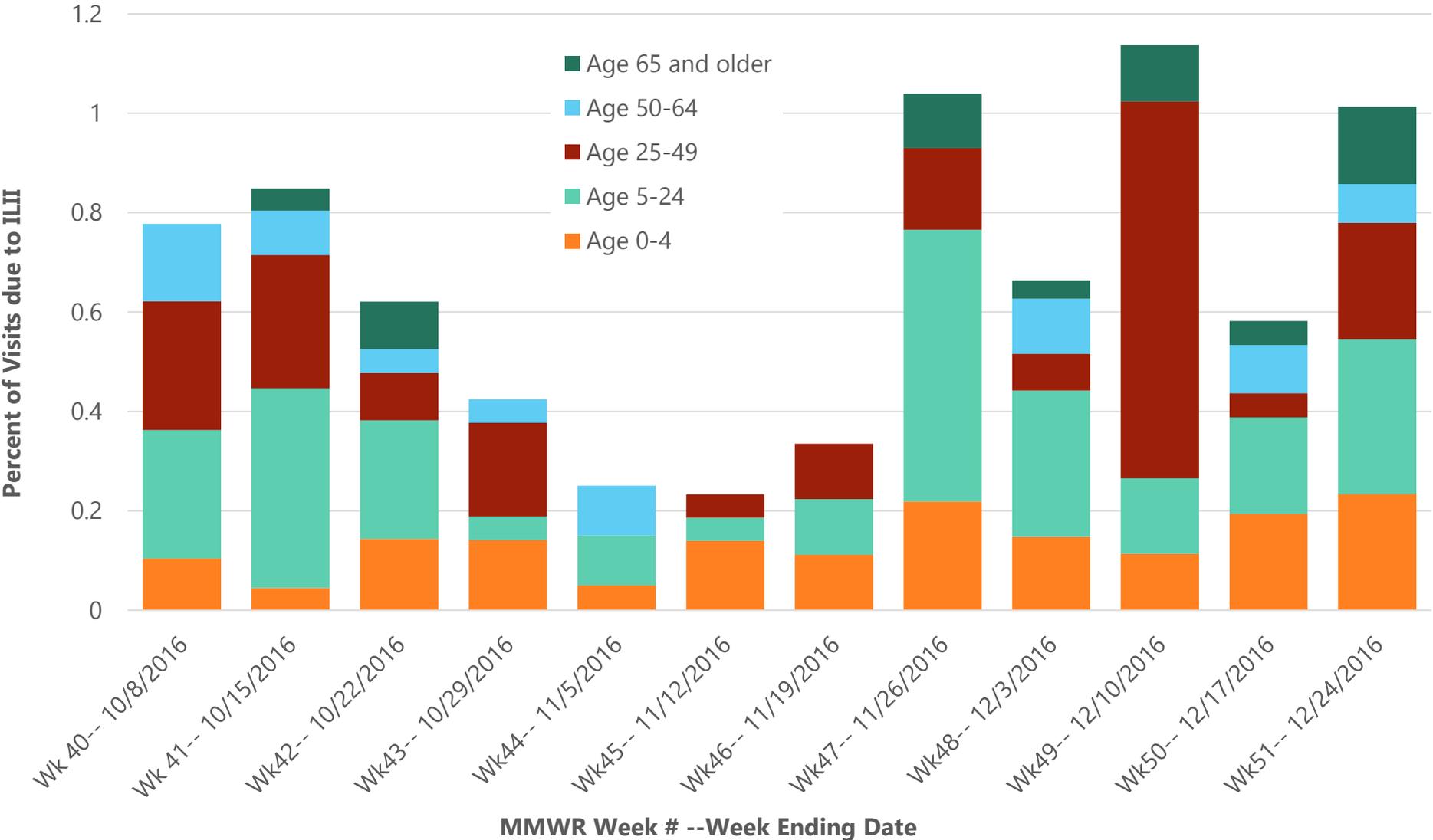
\*The ILI data are more robust when a higher percentage of provider reports are received. Recent data are provisional due to reporting lags.

# Percent of Visits Reported by Vermont Sentinel Providers\* with Influenza-like Illness by Age Group by MMWR Week, 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)

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

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

NRVESS 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

	VDHL* Current Week (Dec 18-24, 2016)		VDHL* 2016-2016 Season Total (Oct 2-Dec 10, 2016)		NREVSS* Current Week (Dec 18-24, 2016)		NREVSS* 2016-2016 Season Total (Oct 2-Dec 10, 2016)	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
<b>Specimens Tested</b>	9		39		145		989	
<b>Positive Specimens</b>	8	88.9%	17	43.6%	13	9%	32	3.2%
<b>Positive Specimens by Type/Subtype</b>								
<b>Influenza A</b>	7	87.5%	16	94.1%	11	84.6%	30	93.8%
<b>A (2009 H1N1)</b>	0	0%	0	0%	0	0%	0	0%
<b>A (H1)</b>	0	0%	0	0%	0	0%	0	0%
<b>A (H3)</b>	7	100%	16	100%	0	0%	0	0%
<b>A (unsubtyped)</b>	0	0%	0	0%	11	100%	30	100%
<b>Influenza B</b>	1	12.5%	1	5.9%	2	15.4%	2	6.2%

\*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.