



# Lake County Health Department and Community Health Center

Week 01  
(3 - 9 Jan 16)\*

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## 2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

### Weekly Summary:

**Lake County:** Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI) have increased 66% over the past 2 weeks. **Schools:** Lake County schools are back from winter break and have resumed both ILI and general absenteeism surveillance. While absences for ILI remain low, absenteeism continues to steadily climb when compared to previous weeks. **Cook County:** Influenza activity continues to increase. Cook has reported one cluster of ILI occurring in a school and no outbreaks reported in long term care facilities so far this season. **Wisconsin (SE Region):** Flu activity remains high in northern Wisconsin but low in the southern part of the State. **Illinois:** Illinois influenza/ILI activity remains “Sporadic” despite a 20% decrease in ILI over the previous reported week. **Nationwide:** Seasonal influenza activity increased slightly in the United States. While influenza A (H3N2) viruses have been most common since October 1, in the past 4 weeks influenza A (H1N1)pdm09 viruses have predominated. The vast majority of circulating flu viruses analyzed this season remain similar to the vaccine virus components for this season's flu vaccines. Flu activity most often peaks in February and can last into May. CDC recommends an annual flu vaccine for everyone 6 months of age and older. Getting vaccinated before flu activity begins is best.

*The 2015-16 U.S. Trivalent influenza vaccine contains an A/California/2009 (H1N1) -like virus, an A/Switzerland/2013(H3N2) -like virus and a B/Phuket/2013 -like virus. The Quadrivalent influenza vaccines will also include a B/Brisbane/2008-like virus for this years flu season.*

*\*Our report contains different flu weeks presented due to the different reporting dates of sources.*

### LAKE COUNTY:

Week 01 (3 - 9 Jan 16)



### LCHD/CHC (Federally Qualified Health Center): # of Patients with Upper Respiratory Illness (URI) by Week



**LAKE COUNTY: (Cont)**

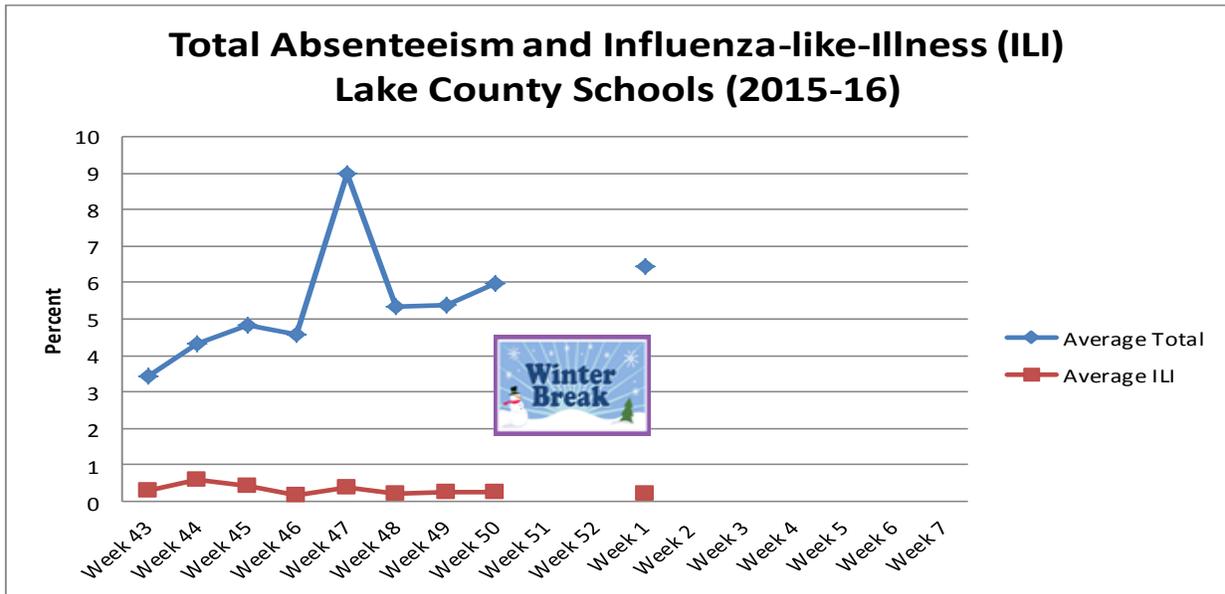


*Week 01 (3 - 9 Jan 16)*

**School Influenza-like Illness (ILI) Surveillance**

Reporting School Districts: *Barrington (220), Community (128), Libertyville (70), Round Lake (116), Wauconda (118), Waukegan (60) and Zion (6)*

	<u>Current Week</u>	<u>Previous Week</u>
Schools tracking and reporting absenteeism data:	49	0
Schools reporting "Influenza-like illness (ILI) absenteeism ( $\geq 5\%$ ):	0	0
Schools/Pre-schools reporting general absenteeism ( $\geq 10\%$ ):	23	0



**Lake County - "Voluntary" reported positive flu test:**

*Week 01 (3 - 9 Jan 16)*

	<u>Week 01</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Positive flu tests reported:	0	0	0

**\*Cumulative since week 44.** Positive tests are reported voluntarily by various sources (i.e., sentinel and other hospitals, treatment centers, physician offices, schools etc.)

**"Reportable" to the Lake County Health Department:**

*Week 01 (3 - 9 Jan 16)*

	<u>Week 01</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	0	0	0
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported *(Congregate settings):	0	0	0

**\*Cumulative since week 44. Single positive flu tests are not reportable in Illinois.**

**\*\*Correctional, Long Term Care (LTC) Facilities & Hospitals.**

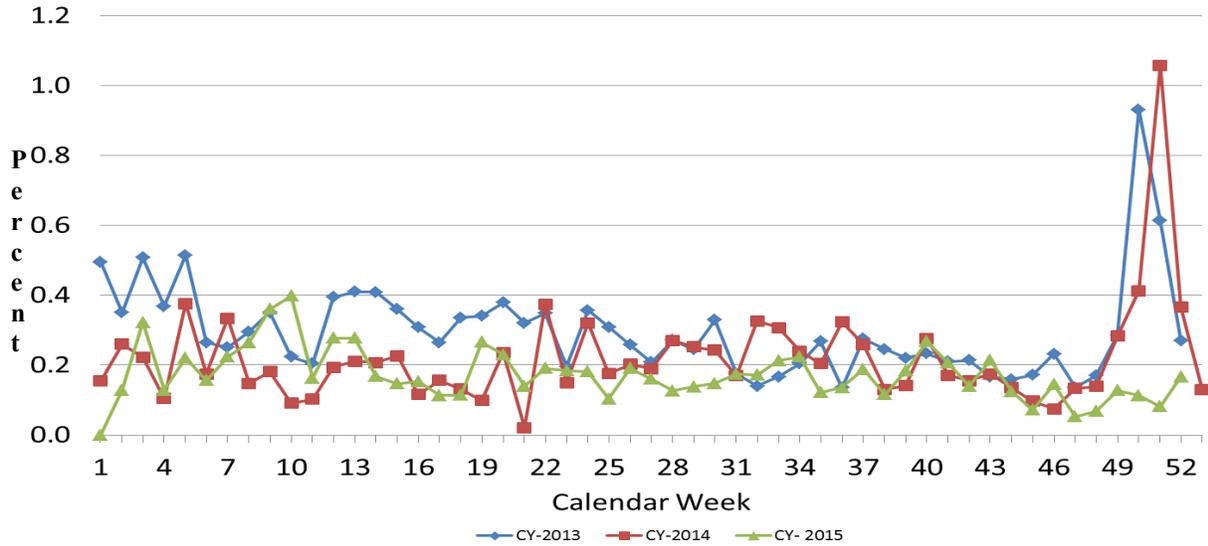
**LAKE COUNTY: (Cont)**

**General Sentinel Site:**

*Week 52 (27 Dec 15 - 2 Jan 16)*



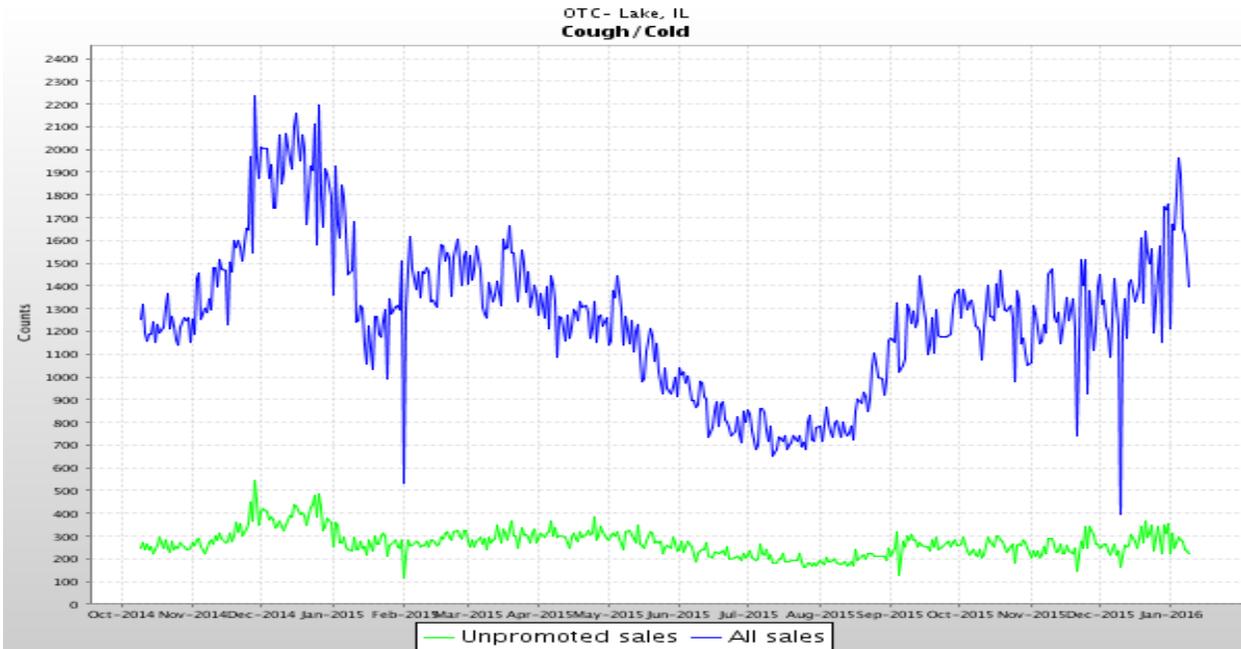
**Febrile Respiratory Illness Rate  
(per 100 Doctor visits)**



**Sentinel Pharmacies:**

***Real Time Outbreak and Disease Surveillance (RODS)***

*Past 15 Months  
(10 Oct 14 - 9 Jan 16)*



- Cough and Cold medicine purchases.
- 53 of 62 (85.5%) of Lake County Pharmacies reporting.

## REGIONAL:

### Suburban Cook County:

*Week 52 (27 Dec 15 - 2 Jan 16)*



Flu activity is currently **“Increasing”**

ICU flu-associated admissions for week 52: **0**

Total since week 35 (24Aug14): **19**

### Wisconsin (SE Region):

*Week 52 (27 Dec 15 - 2 Jan 16)*



Flu/ILI Activity: 

<u>Current Week</u>	<u>Previous Week</u>
<b>Low</b>	Low

ILI activity in Region V: (WI, MN, IL, MI, OH, IN) is **Below** baseline levels.  
Current circulating viruses: Rhinovirus and RSV are the predominate viruses this week.

## ILLINOIS:

*Week 52 (27 Dec 15 - 2 Jan 16)*



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.45%**, which is **below** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Sporadic”** for this reporting week.
- For this reporting week, **1.0%** (5/482) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **1.6%** (112/6981) of specimens tested were positive for Influenza.
- There were 4 influenza –associated Intensive Care Unit (ICU) admissions that occurred during this reporting week. Season total: **56**
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **No** influenza outbreaks were reported. Season total: **2**

<b>No Activity:</b>	No laboratory confirmed cases of influenza.
<b>Sporadic:</b>	Isolated lab-confirmed cases OR Lab confirmed outbreak in one institution.
<b>Local:</b>	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI OR Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions.
<b>Regional:</b>	Increased ILI in >2 but less than half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the affected regions. OR Institutional outbreaks (ILI or lab confirmed) in >2 and less than half of the regions AND recent lab confirmed influenza in the affected regions. A region is defined as the regions States use for public health purposes.
<b>Widespread:</b>	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.

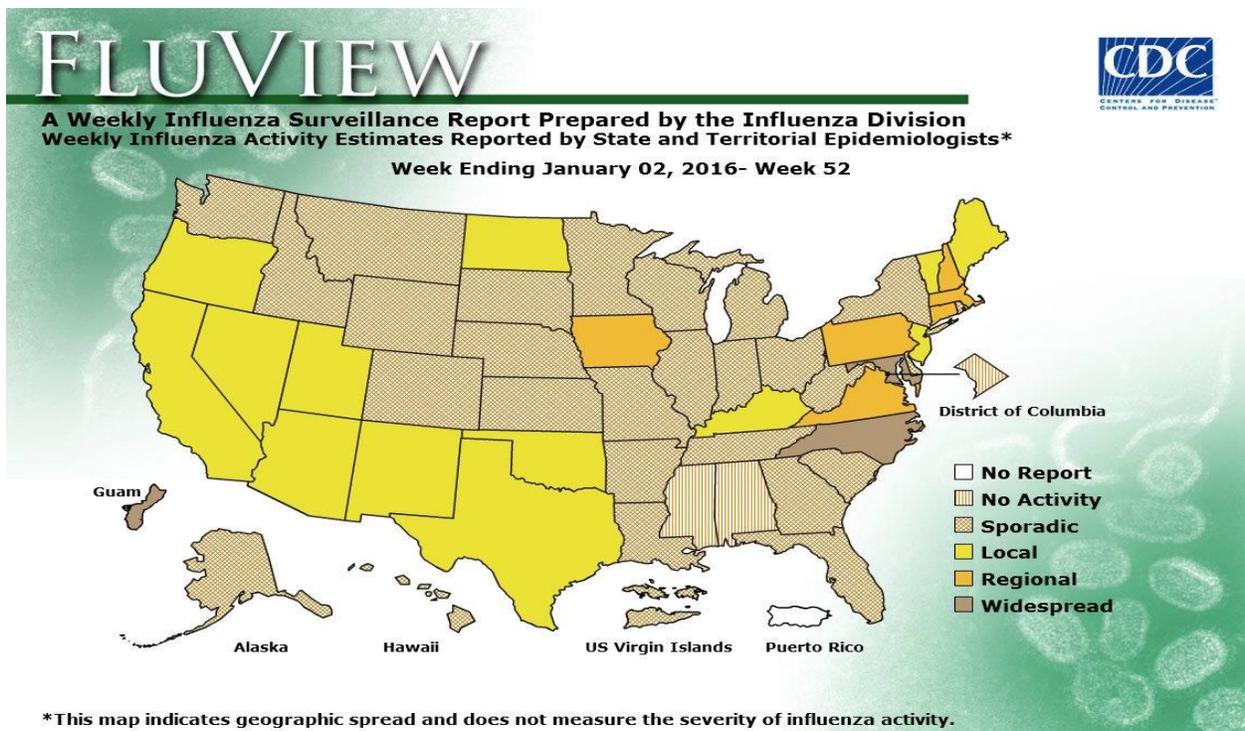
## NATIONWIDE:

*Week 52 (27 Dec 15 - 2 Jan 16)*



**During Week 52:** Influenza activity increased slightly in the United States.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories during week 52 was influenza A, with influenza A (H1N1)pdm09 viruses predominating. The % of respiratory specimens testing positive for flu in clinical labs was low.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** Two flu-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.8%, which is above the national baseline of 2.1%. Seven of 10 regions reported ILI at or above region-specific baseline levels. Puerto Rico and two states experienced high ILI activity; New York City and two states experienced moderate ILI activity; seven states experienced low ILI activity; 39 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam and two states were reported as widespread; six states reported regional activity; 13 states reported local activity; the U.S. Virgin Islands and 27 states reported sporadic activity; the District of Columbia and two states reported no influenza activity; and Puerto Rico did not report.



## U.S. Virologic Surveillance: (WHO and NREVSS collaborating labs) *Week 52 (27 Dec 15 - 2 Jan 16)*

<b>Total flu isolates tested:</b>	<b><u>13,373</u></b>	
<b>Number of positive isolates (%)</b>	<b>247</b>	<b>(1.8%)</b>
<b><u>Influenza A:</u></b>	<b>157</b>	<b>(63.6%)</b>
<b><u>Influenza B:</u></b>	<b>90</b>	<b>(36.4%)</b>