



Lake County Health Department and Community Health Center

Week 50
(13-19 Dec 15)*

Tony Beltran, MBA
Executive Director

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary:

Lake County: Flu activity continues to remain low throughout Lake County. Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI) increased slightly by 10% when compared to the previous week. **Schools:** Seven school districts conducted both ILI and general absenteeism surveillance. General absenteeism continues to show a steady increase over the past 8 weeks while absences due to ILI remain flat. **Cook County:** Influenza activity is increasing slightly but no new intensive care unit admissions for influenza have been reported in the last 3 weeks. **Wisconsin (SE Region):** Flu activity still remains low overall throughout the state except for the Northeastern region which shows “moderate” activity. **Illinois:** Flu activity remains “Sporadic” in Illinois and 32 other states. Those seeing providers for ILI symptoms remain below the regional baseline. **Nationwide:** Overall seasonal influenza activity is just getting started in the United States, while activity is still low across most of the country. Increases in flu activity are expected in the coming weeks. One human infection with a novel influenza A virus was reported by the state of Minnesota, (H1N1) variant, and that person has fully recovered. This season’s flu vaccines have been updated to better match circulating viruses. 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.

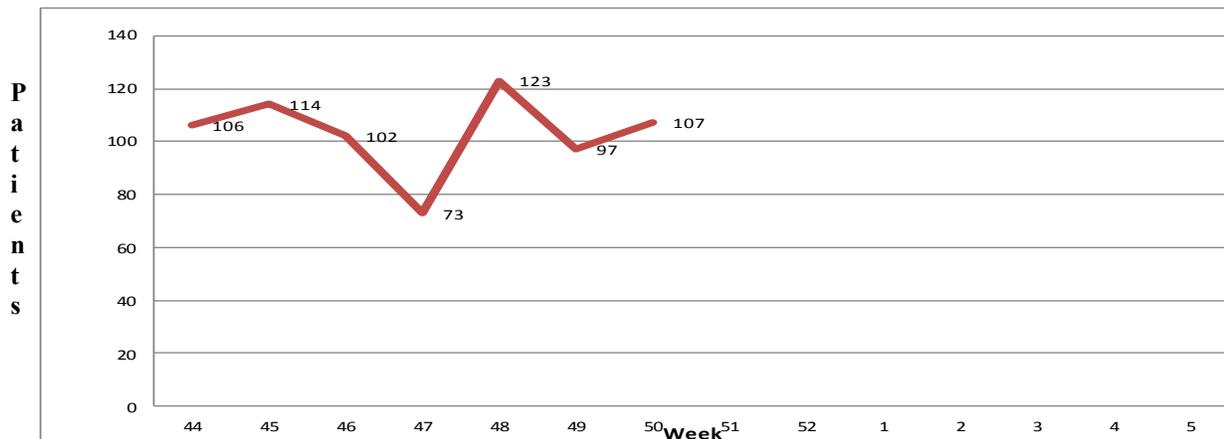
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 50 (13 - 19 Dec 15)



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



LAKE COUNTY: (Cont)



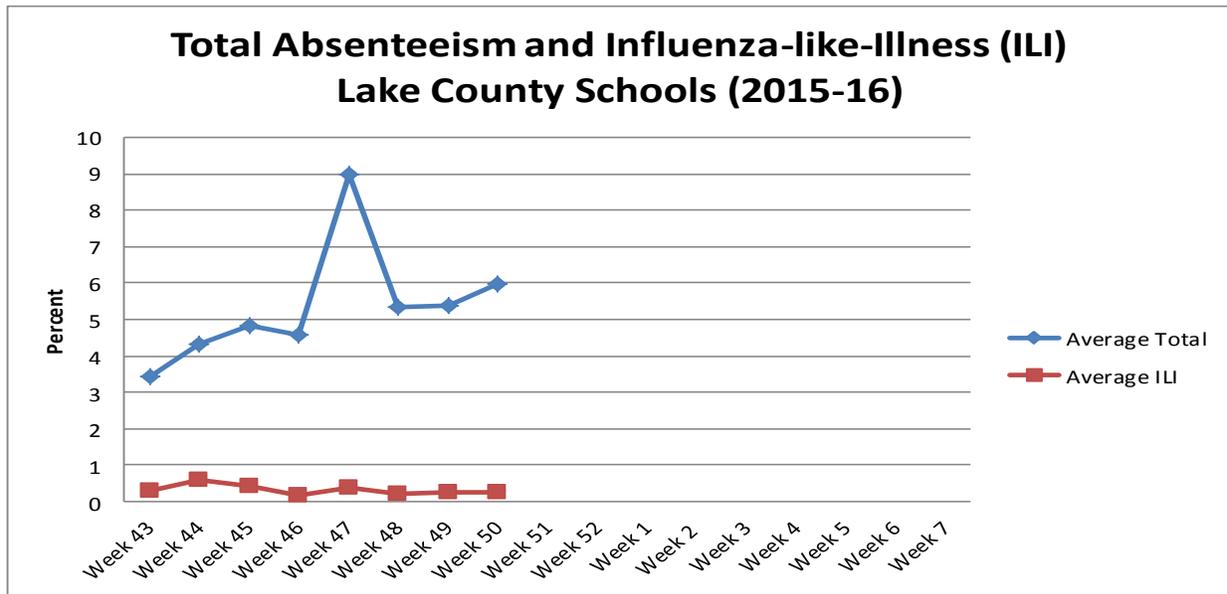
Week 50 (13 - 19 Dec 15)

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:	51	38
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	1	0
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	23	17



Lake County - "Voluntary" reported positive flu test:

Week 50 (13 - 19 Dec 15)

	<u>Week 50</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 50 (13 - 19 Dec 15)

	<u>Week 50</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.**

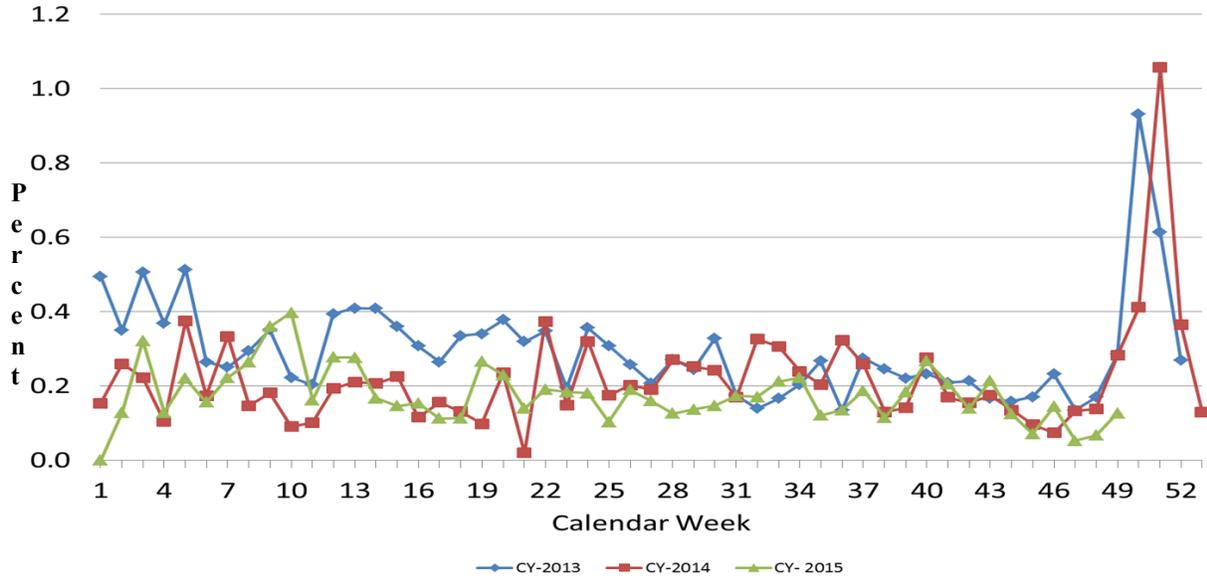
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 49 (6 - 12 Dec 15)



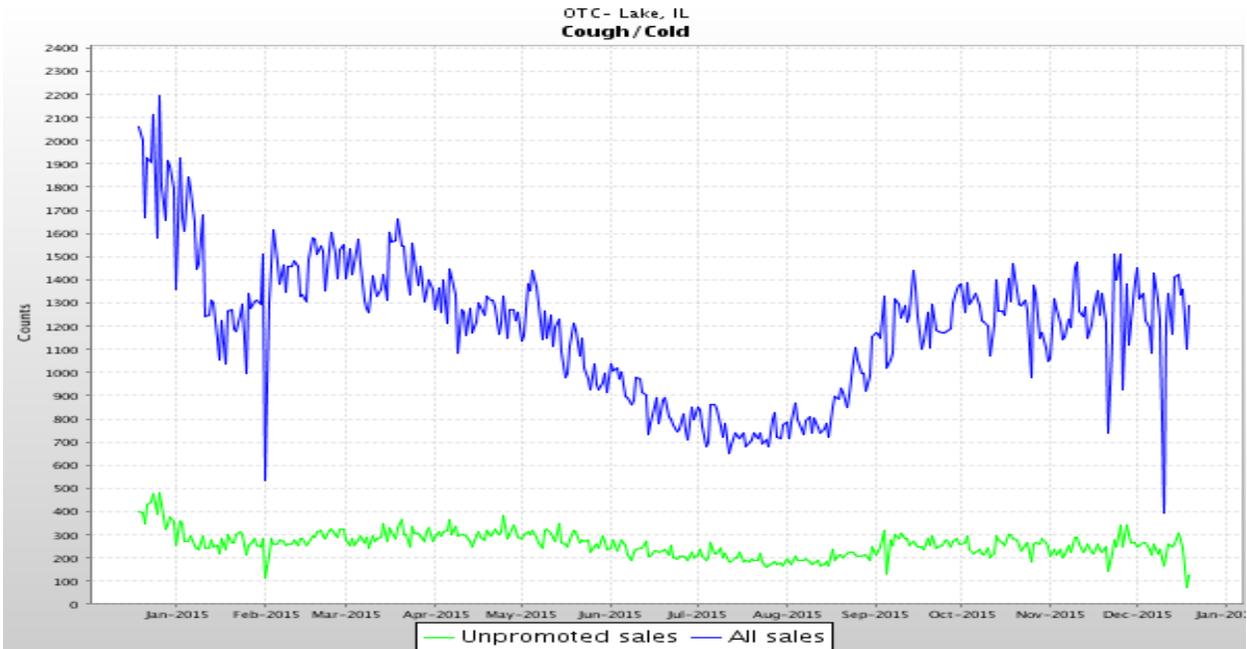
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 12 Months
(21 Dec 14 - 20 Dec 15)*



- 37 of 62 (59.7%) of Lake County Pharmacies reporting.

REGIONAL:

Suburban Cook County:

Week 49 (6 - 12 Dec 15)



Flu activity is currently **“Increasing”**

ICU flu-associated admissions for week 49: **0**

Total since week 35 (24Aug14): **10**

Wisconsin (SE Region):

Week 49 (6 - 12 Dec 15)



	<u>Current Week</u>	<u>Previous Week</u>
Flu/ILI Activity:	Low	Low

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

ILLINOIS:

Week 49 (6 - 12 Dec 15)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.26%**, 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 there were **1.0%** (5/521) of influenza specimens tested by WHO/NREVSS collaborating Illinois laboratories and Illinois Department of Public Health Laboratories. So far this season, **1.8%** (91/5136) of specimens tested positive for Influenza.
- **0** influenza –associated Intensive Care Unit (ICU) admissions were reported for this reporting week. Season total: **31**
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **No** influenza outbreaks were reported. Season total: **2**

No Activity:	No laboratory confirmed cases of influenza.
Sporadic:	Isolated lab-confirmed cases OR Lab confirmed outbreak in one institution.
Local:	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.
Regional:	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.
Widespread:	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.

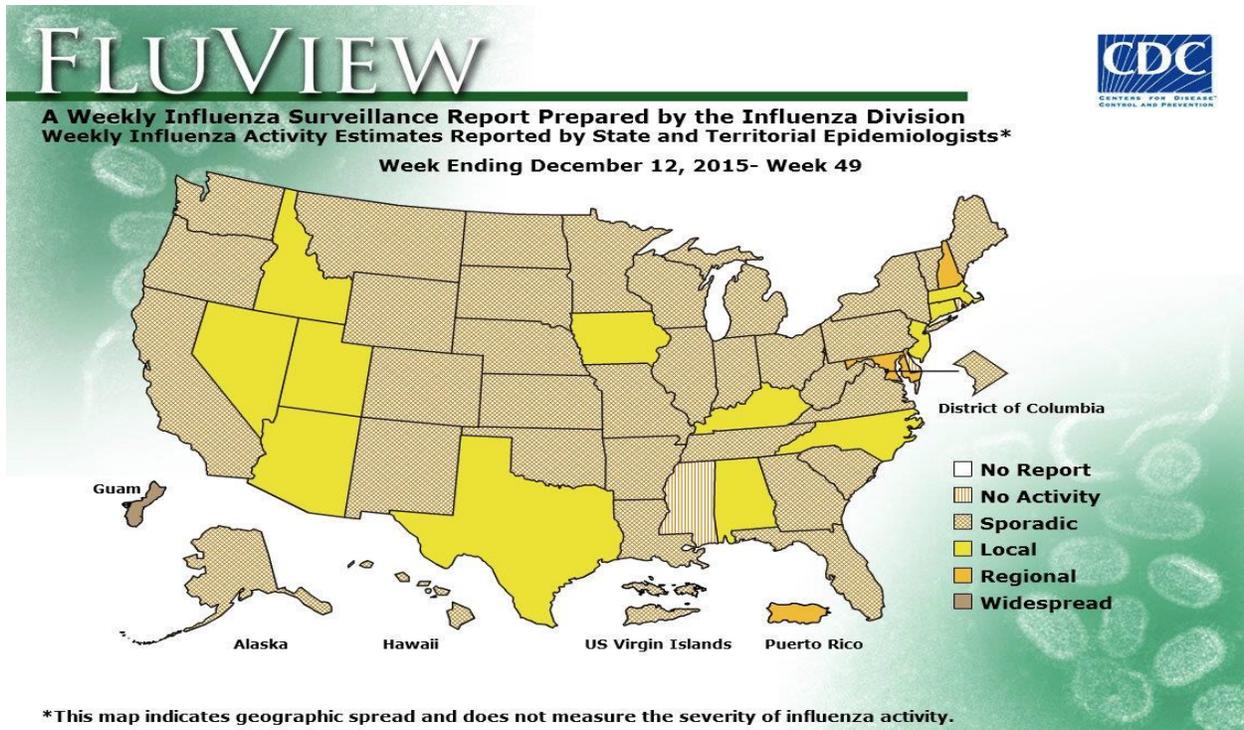
NATIONWIDE:

Week 49 (6 - 12 Dec 15)



During Week 49: Influenza activity increased slightly in the United States but remained low overall.

- **Viral Surveillance:** The most frequently identified flu virus type reported by public health laboratories during week 49 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:** No flu-associated pediatric deaths were reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.9%, which is below the national baseline of 2.1%. Four of 10 regions reported ILI at or above region-specific baseline levels. One state experienced high ILI activity; Puerto Rico and one state experienced moderate ILI activity; New York City and two states experienced low ILI activity; 46 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as widespread; Puerto Rico and two states reported regional activity; 12 states reported local activity; the District of Columbia, the U.S. Virgin Islands, and 33 states reported sporadic activity; and three states reported no influenza activity.



U.S. Virologic Surveillance: (WHO and NREVSS collaborating labs)

Week 49 (6 - 12 Dec 15)

Total flu isolates tested:	<u>12,525</u>	
Number of positive isolates (%)	208	(1.7%)
<u>Influenza A:</u>	117	(56.3%)
<u>Influenza B:</u>	91	(43.8%)