



Lake County Health Department and Community Health Center

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Week 46
(15-21 Nov 15)*

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary: Lake County: During week 46, flu activity remained low in Lake County. Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for upper respiratory/influenza-like illness (ILI) were down 10% over the previous week. **Schools:** Seven school districts conducted surveillance for both ILI and overall general absenteeism. Both ILI and absenteeism levels dipped slightly compared with the week before. **Cook County:** Influenza activity is currently increasing but no influenza outbreaks have been reported and ICU admissions for flu have remained the same. **Wisconsin (SE Region):** Flu activity continues to remain low in all 5 Wisconsin regions. Sporadic cases of adenovirus and influenza “A” have been identified throughout the state. **Illinois:** Flu activity in Illinois remains “Sporadic” for its 2nd week in a row. ILI activity is rising slowly as more collected flu specimens test positive. **Nationwide:** Overall seasonal influenza activity increased slightly in the United States but remains low overall. CDC has received reports of early outbreaks in institutions across the country. Most of these outbreaks have been attributed to Flu A (H3N2) viruses. This season’s 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.

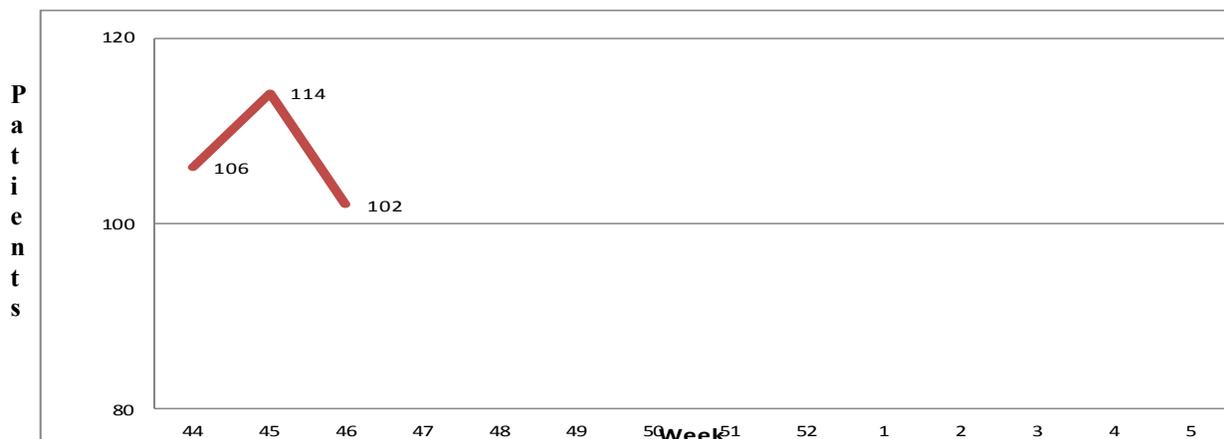
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 46 (15 - 21 Nov 15)



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



LAKE COUNTY: (Cont)



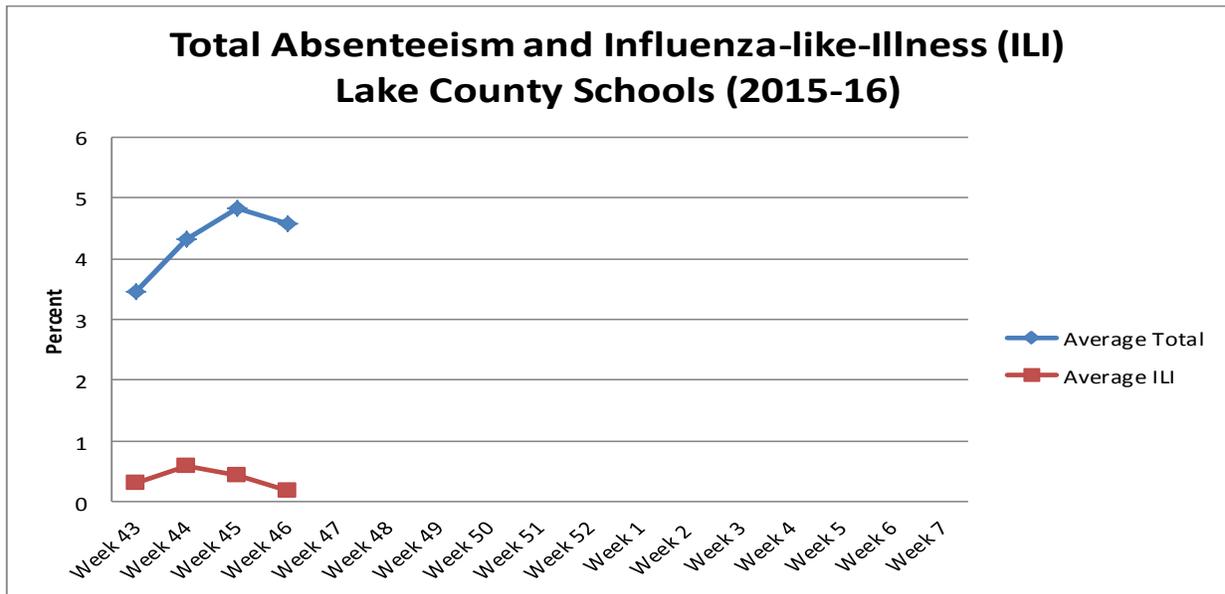
Week 46 (15 - 21 Nov 15)

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	50
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	0	0
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	12	12



Lake County - "Voluntary" reported positive flu test:

Week 46 (15 - 21 Nov 15)

	<u>Week 46</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 46 (15 - 21 Nov 15)

	<u>Week 46</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.**

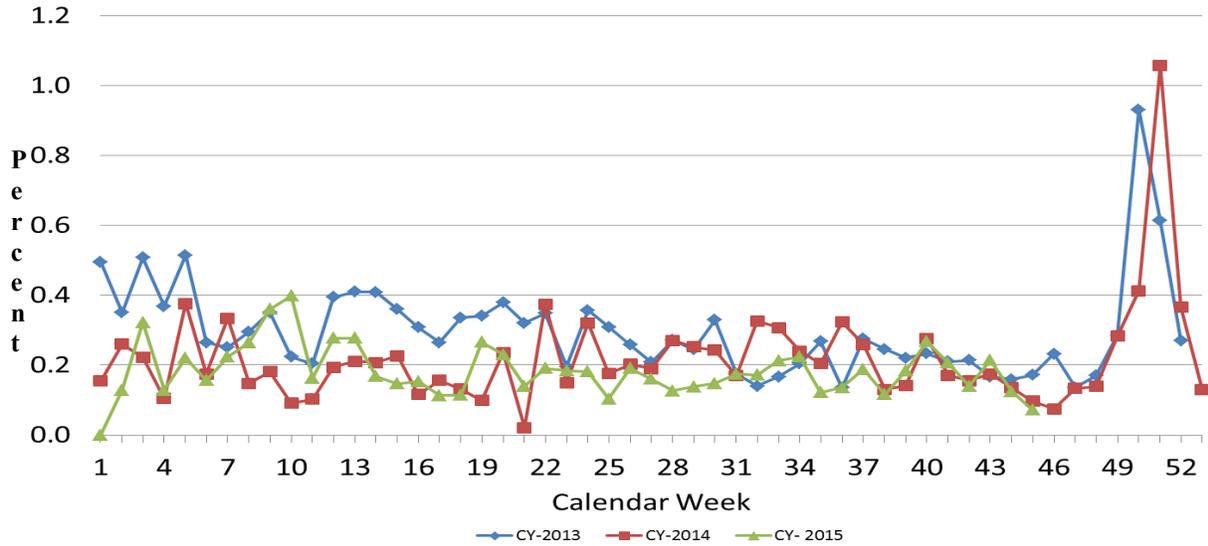
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 45 (8 - 14 Nov 15)



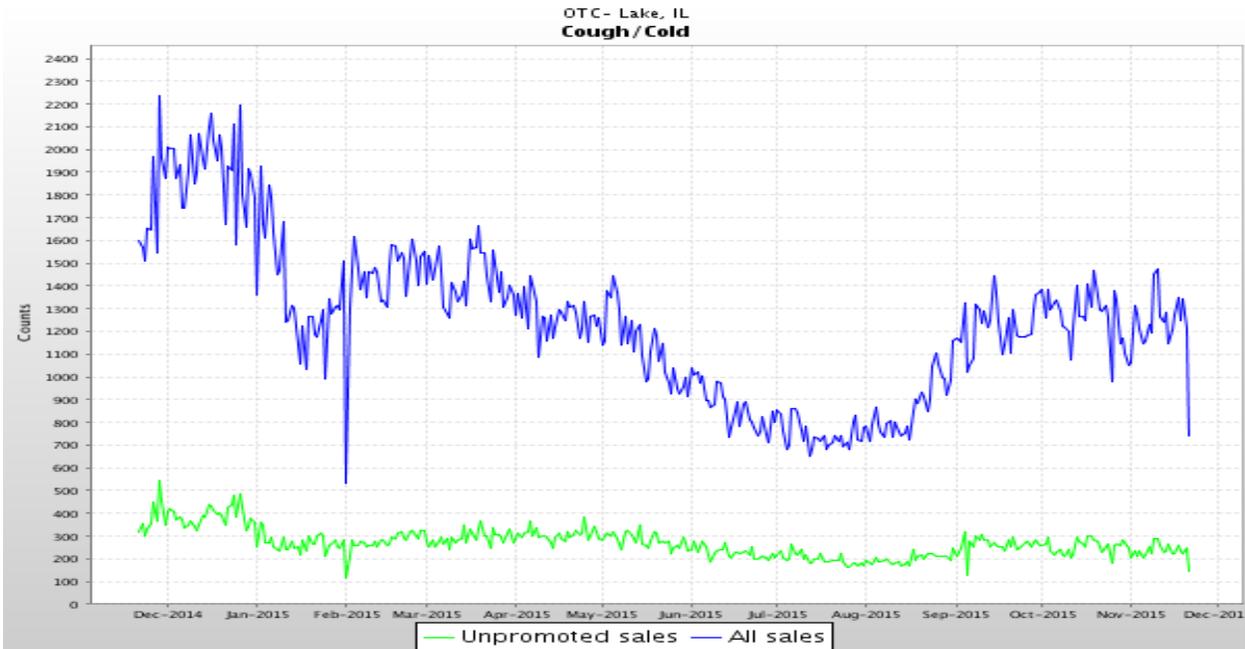
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 12 Months
(22 Nov 14 - 21 Nov 15)*



- There are 62 sentinel Pharmacies throughout Lake County.

REGIONAL:

Suburban Cook County:

Week 45 (8 - 14 Nov 15)



Flu activity is currently **“Increasing”**

ICU flu-associated admissions for week 45: **0**

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

Wisconsin (SE Region):

Week 45 (8 - 14 Nov 15)



Flu/ILI Activity:

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

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

ILLINOIS:

Week 45 (8 - 14 Nov 15)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.13%**, 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 **3.5%** (17/485) of influenza specimens tested by WHO/NREVSS collaborating Illinois laboratories and Illinois Department of Public Health Laboratories. So far this season, **2.1%** (58/2,733) of specimens tested positive for Influenza.
- **5** influenza –associated Intensive Care Unit (ICU) admissions were reported for this reporting week.
- There were **0** influenza-associated pediatric deaths reported this week.
- For this reporting week, **No** influenza outbreaks were reported.

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.

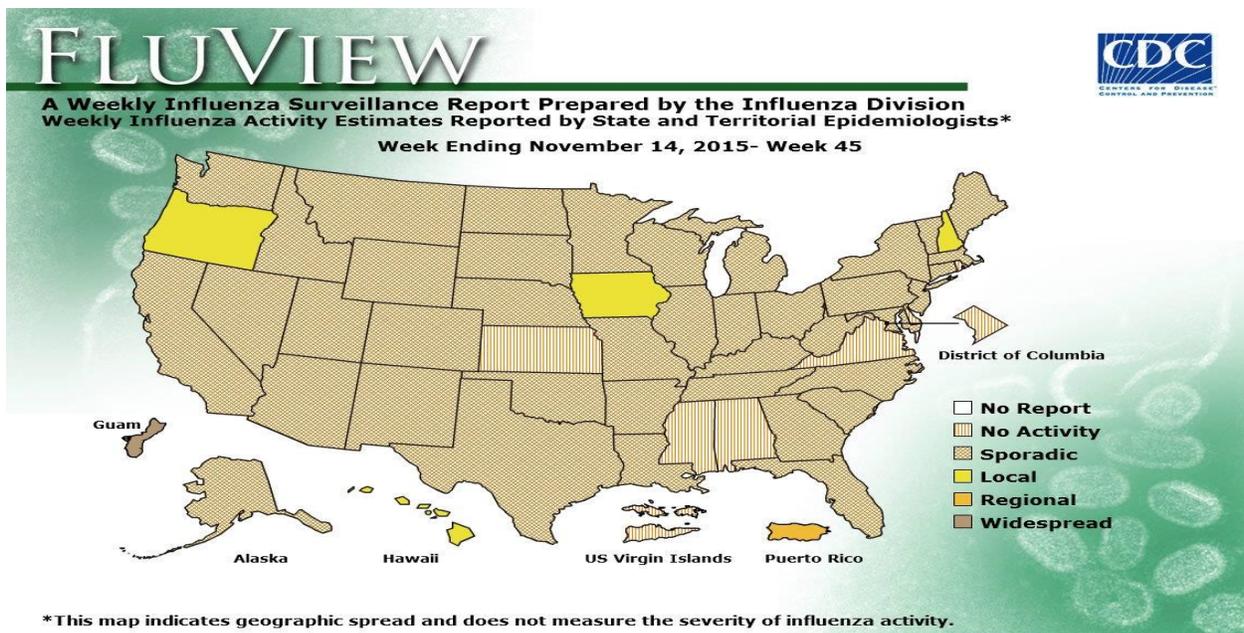
NATIONWIDE:

Week 45 (8 - 14 Nov 15)



During Week 45: Influenza activity increased slightly in the U.S.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health laboratories in week 45 was influenza A viruses, with influenza A (H3) viruses predominating. The percentage of respiratory specimens testing positive for flu in clinical laboratories is 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:** One influenza-associated pediatric death was reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.6%, which is below the national baseline of 2.1%. Two of 10 regions reported ILI at or above region-specific baseline levels. One state experienced moderate ILI activity; Puerto Rico and two states experienced low ILI activity; New York City and 47 states experienced minimal ILI activity; and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as widespread; Puerto Rico reported regional activity; four states reported local activity; 40 states reported sporadic activity; and the District of Columbia, the U.S. Virgin Islands, and six states reported no influenza activity.



U.S. Virologic Surveillance: (WHO and NREVSS collaborating laboratories) *Week 45 (8 - 14 Nov 15)*

Total flu isolates tested:	<u>11,899</u>	
Number of positive isolates (%)	194	(1.6%)
<u>Influenza A:</u>	111	(57.2%)
<u>Influenza B:</u>	83	(42.8%)