



Lake County Health Department and Community Health Center

Week 47
(22-28 Nov 15)*

Tony Beltran, MBA
Executive Director

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report



Weekly Summary: Lake County: During week 47, flu activity continued to remain 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 due to the shortened holiday week. **Schools:** Six school districts conducted surveillance for both ILI and overall general absenteeism. While ILI climbed slightly, general absenteeism increased sharply, mainly due to the Thanksgiving holiday. **Cook County:** Influenza activity is increasing slightly but no influenza outbreaks have been reported. **Wisconsin (SE Region):** There have been no new flu updates reported by Wisconsin since week 45. Last reported information showed flu at low levels in all 5 Wisconsin regions. **Illinois:** Flu activity in Illinois remains “Sporadic” for the 3rd week in a row. Those seeing providers for flu-like symptoms increased very slightly when compared to the previous weeks activity. **Nationwide:** Overall, flu activity is low in the United States, but 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 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.

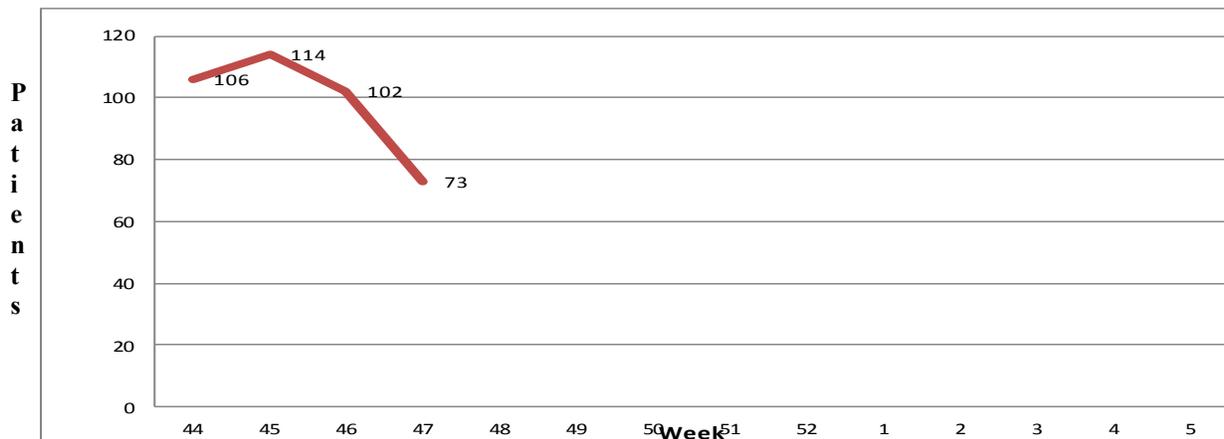
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 47 (22 - 28 Nov 15)



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



LAKE COUNTY: (Cont)



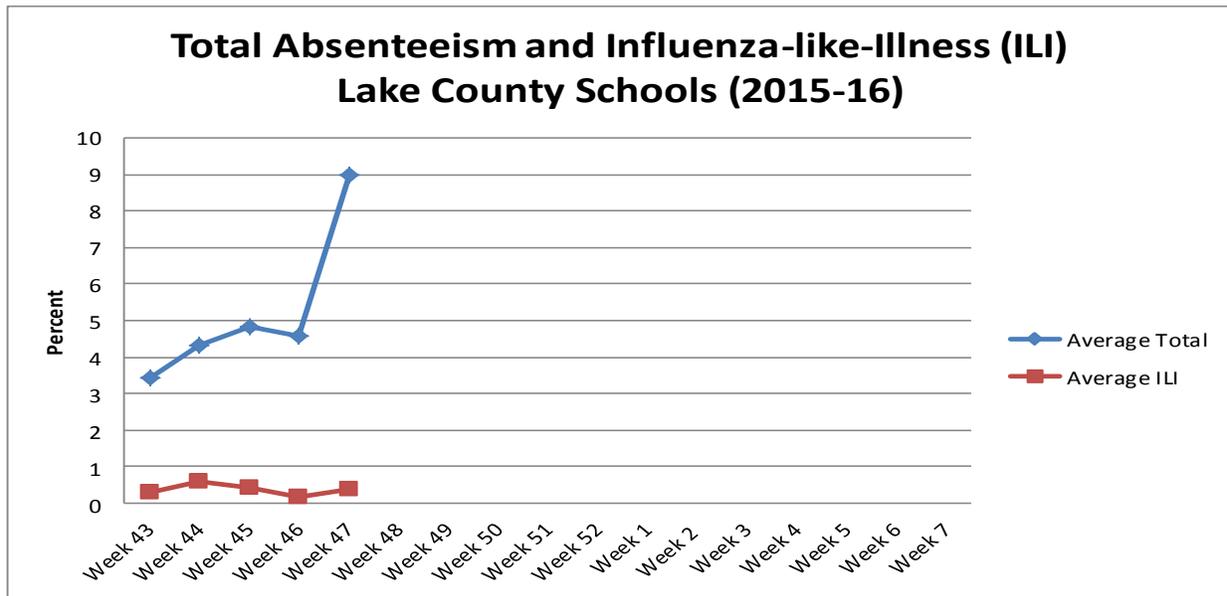
Week 47 (22 - 28 Nov 15)

School Influenza-like Illness (ILI) Surveillance

Reporting School Districts:

*Barrington (220), Community (128), Libertyville (70) & Round Lake (116)),
Waukegan (60), and Zion (6)*

	<u>Current Week</u>	<u>Previous Week</u>
Schools tracking and reporting absenteeism data:	46	51
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	1	0
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	27	12



Lake County - "Voluntary" reported positive flu test:

Week 47 (22 - 28 Nov 15)

	<u>Week 47</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 47 (22 - 28 Nov 15)

	<u>Week 47</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.**

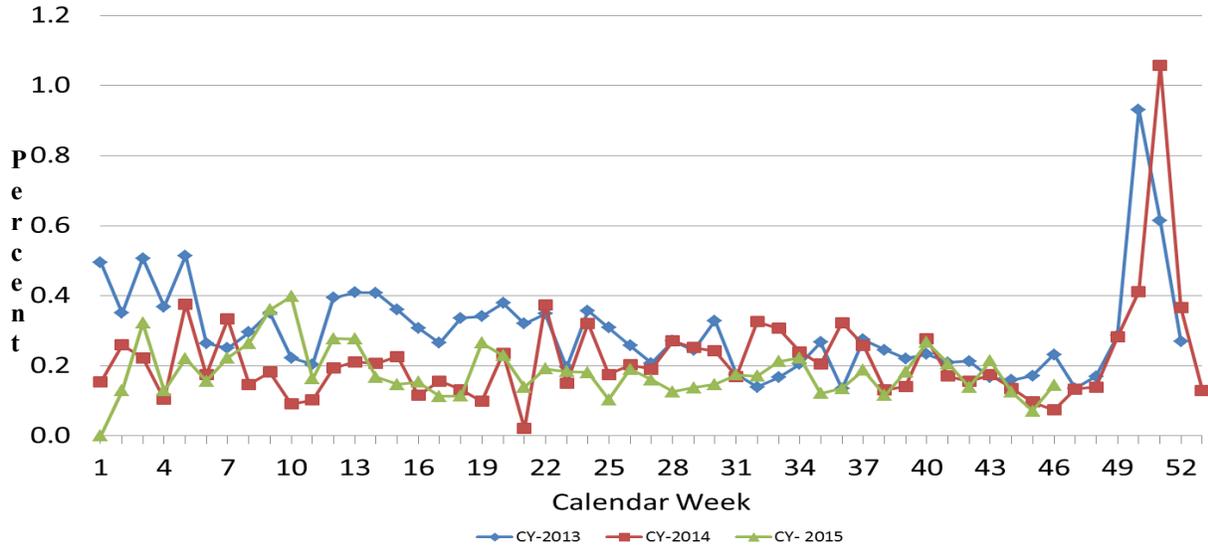
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 46 (15 - 21 Nov 15)



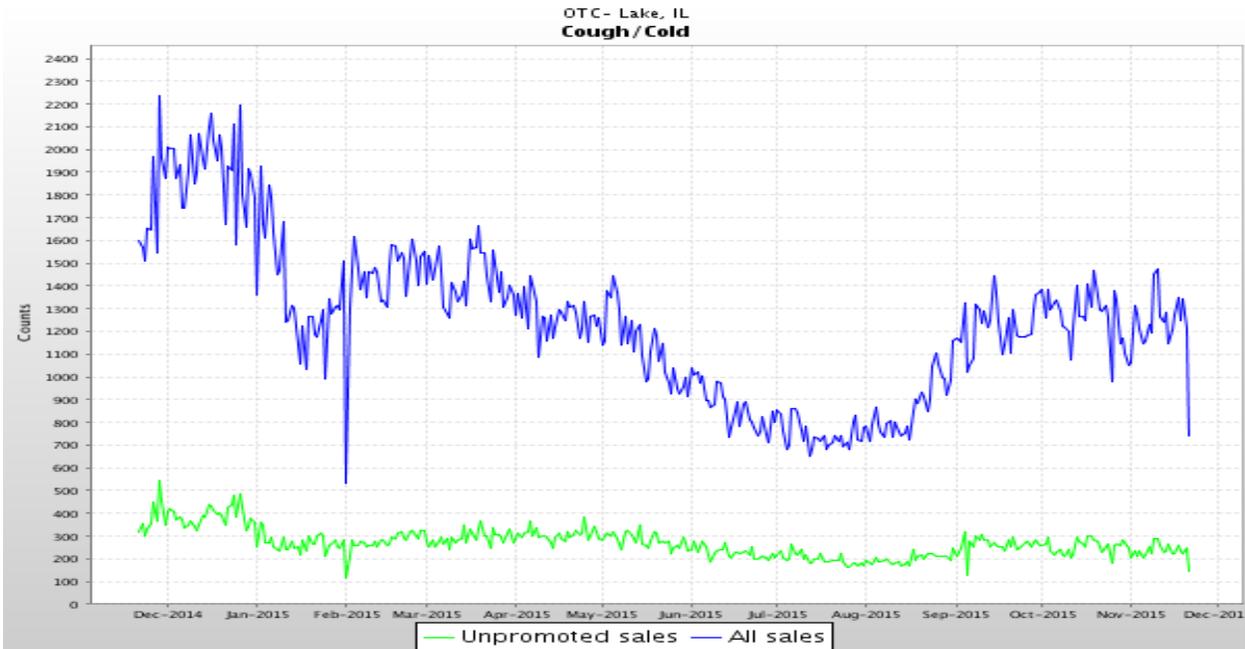
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 12 Months
(29 Nov 14 - 28 Nov 15)*



- There are 62 sentinel Pharmacies throughout Lake County.

REGIONAL:

Suburban Cook County:

Week 46 (15 - 21 Nov 15)



Flu activity is currently **“Increasing”**

ICU flu-associated admissions for week **46**: **2**

Total since week **35** (24Aug14): **11**

Wisconsin (SE Region):

Week 45 (8 - 14 Nov 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: Rhinoviruses and para-influenza virus are predominate this week.

ILLINOIS:

Week 46 (15 - 21 Nov 15)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **1.18%**, 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 **2.2%** (15/667) of influenza specimens tested by WHO/NREVSS collaborating Illinois laboratories and Illinois Department of Public Health Laboratories. So far this season, **2.1%** (74/3517) of specimens tested positive for Influenza.
- **3** 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.

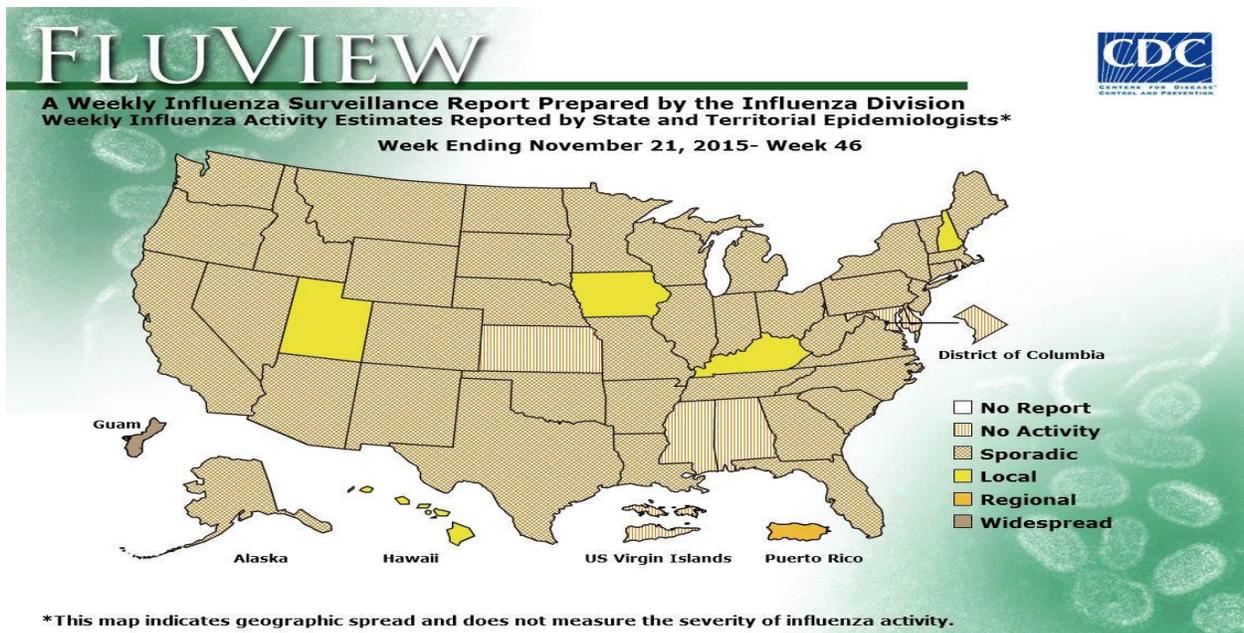
NATIONWIDE:

Week 46 (15 - 21 Nov 15)



During Week 46: Influenza activity increased slightly in the U.S.

- **Viral Surveillance:** The most frequently identified influenza virus type reported by public health labs during week 46 was influenza A viruses, with influenza A (H3) viruses predominating. The percentage of respiratory specimens testing positive for influenza in clinical laboratories 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:** 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; New York City Puerto Rico and 49 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in Guam was reported as widespread; Puerto Rico reported regional activity; five states reported local activity; 39 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 46 (15-21 Nov 15)*

Total flu isolates tested:	<u>10,793</u>	
Number of positive isolates (%)	120	(1.1%)
<u>Influenza A:</u>	58	(48.3%)
<u>Influenza B:</u>	62	(51.7%)