



Lake County Health Department and Community Health Center

Week 10
(6 - 12 Mar 16)*

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Executive Director

2015-16 Flu Season Lake County Weekly Influenza Monitoring Report

Weekly Summary:

Lake County: So far this flu season, there have been three outbreaks of upper respiratory illness (URI)/Influenza reported in Lake County long term care (LTC) facilities. Visits to the Lake County Health Departments Community Health Center clinics (LCHD/CHC) for URI/influenza-like illness (ILI) dropped slightly but remain elevated. School surveillance shows both general absenteeism and ILI activity leveling off over the previous weeks activity. There has been a 36% increase in intensive care unit (ICU) admissions during week 10. **Cook County:** Influenza activity and ICU admissions remain high. So far this flu season, there have been twelve clusters of ILI occurring in schools/daycares and two outbreaks reported in long term care facilities. **Wisconsin:** No new updates have been reported since week 8 when most of the States flu activity was listed as “moderate”. **Illinois:** ILI activity remains “Regional” with outpatient visits for ILI increasing by 20% over the previous week. The majority of ILI is occurring in those aged 24 years and younger with the majority of admissions to the ICU occurring in those 50 and older. **Nationwide:** Flu activity increased in the United States. Influenza-like-illness levels climbed this week over last, and the number of states reporting widespread flu activity increased from 33 to 37. In late February, CDC reported flu vaccine effectiveness of 60% this season. CDC recommends an annual flu vaccine for everyone 6 months of age and older. Vaccination is recommended as long as influenza viruses are still circulating.

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.

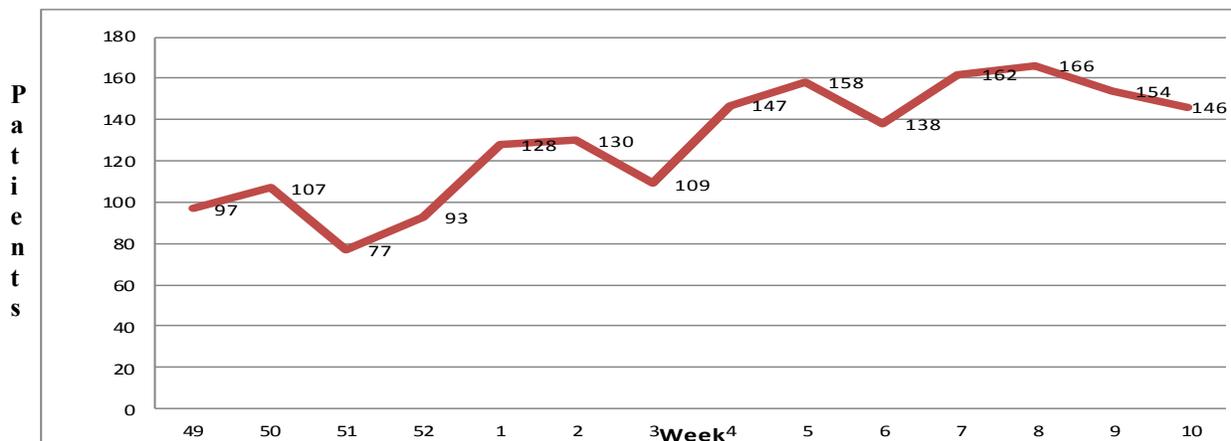
**Our report contains different flu weeks presented due to the different reporting dates of sources.*

LAKE COUNTY:

Week 10 (6 - 12 Mar 16)



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



LAKE COUNTY: (Cont)

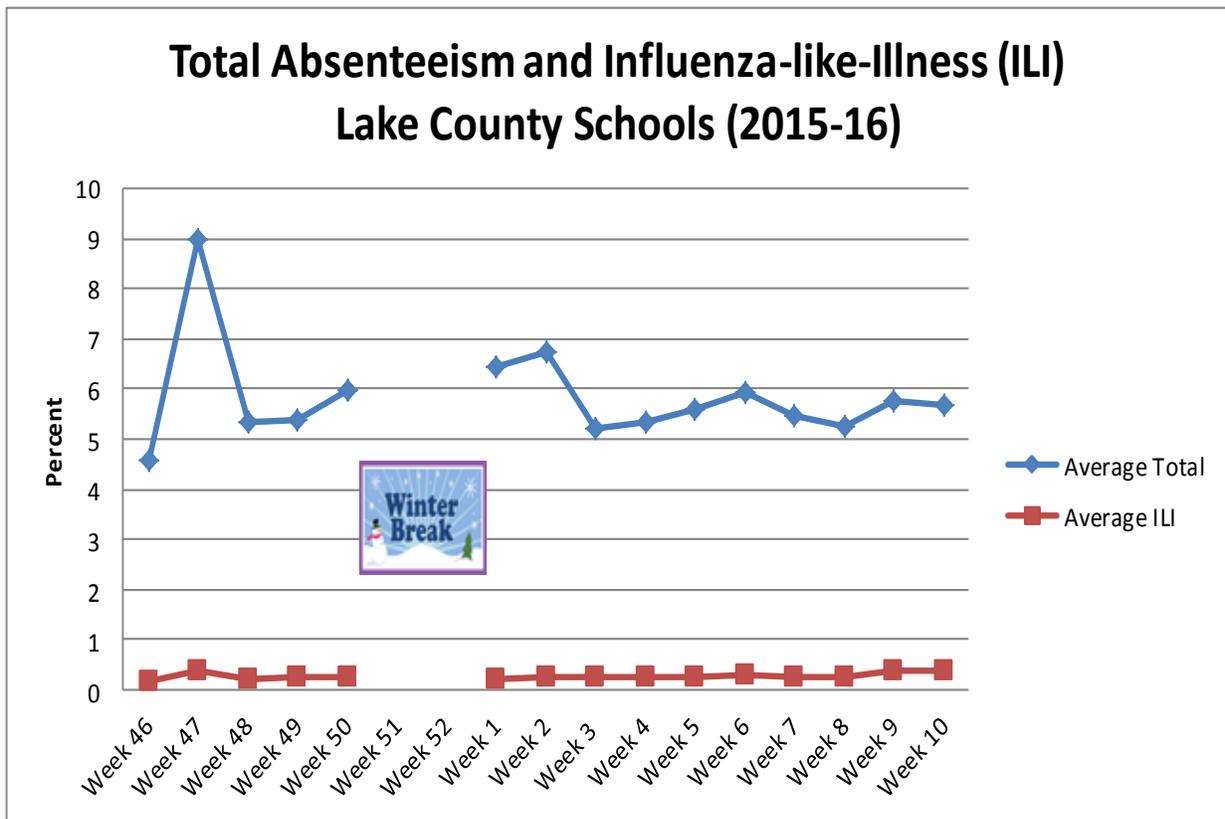


Week 10 (6 - 12 Mar 16)

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	50
Schools reporting "Influenza-like illness (ILI) absenteeism ($\geq 5\%$):	1	1
Schools/Pre-schools reporting general absenteeism ($\geq 10\%$):	17	24



"Reportable" to the Lake County Health Department:

Week 10 (6 - 12 Mar 16)

	<u>Week 10</u>	<u>Prior Week</u>	<u>*Cumulative</u>
Flu - Intensive care unit (ICU) admissions:	5	1	16
Flu - Pediatric Deaths (0-18):	0	0	0
Flu - Outbreaks reported **(Congregate settings):	1	0	3

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

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

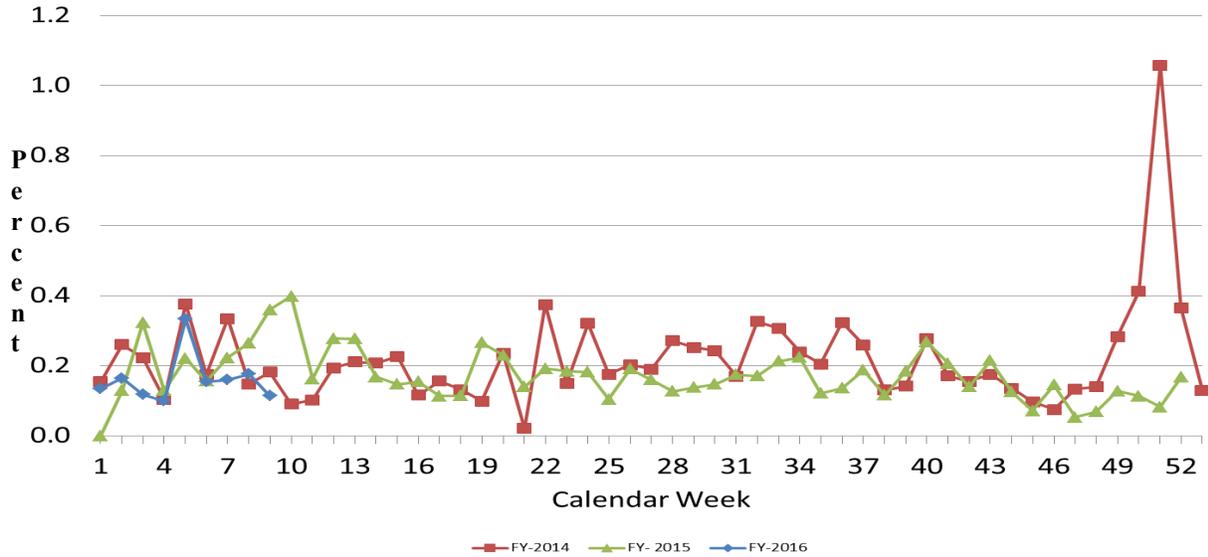
LAKE COUNTY: (Cont)

General Sentinel Site:

Week 09 (28 Feb - 5 Mar 16)



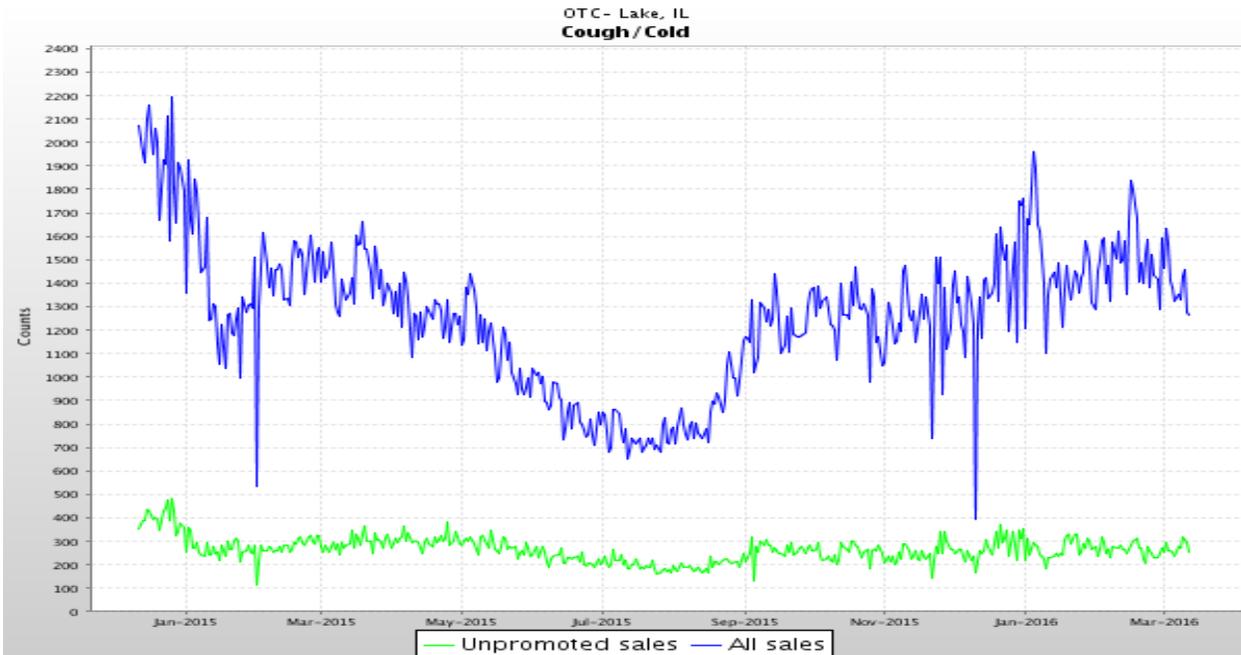
**Febrile Respiratory Illness Rate
(per 100 Doctor visits)**



Sentinel Pharmacies:

Real Time Outbreak and Disease Surveillance (RODS)

*Past 15 Months
(6 Dec 14 - 5 Mar 16)*



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

REGIONAL:

Suburban Cook County:

Week 09 (28 Feb - 5 Mar 16)



Flu activity is currently **“High”**

Intensive care unit flu-associated admissions for week **09**: **23**

Total since week **35** (August 30th, 2015): **134**

Wisconsin (SE Region):

Week 08 (21 - 27 Feb 16)



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

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

ILLINOIS:

Week 09 (28 Feb - 5 Mar 16)



- For this reporting week, the proportion of outpatient visits for influenza-like illness (ILI) was **3.49%**, which is **above** the regional baseline of **1.90%**.
- Based on CDC criteria, Illinois influenza activity is classified as **“Regional”** for this reporting week.
- For this reporting week, **12.7%** (184/1,444) of influenza specimens, tested positive by WHO/NREVSS collaborating Illinois laboratories and the Illinois Department of Public Health Laboratories. So far this flu season, **6.4%** (1,022/16,019) of specimens tested were positive for Influenza.
- 60 Influenza –associated Intensive Care Unit (ICU) admissions were reported for this week.
- Influenza-associated pediatric deaths this flu season: **2**
- For this reporting week, **0** influenza outbreaks were reported throughout the state.
Season total: **20**

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.

