



Delaware Weekly Influenza Surveillance Report

Week 51 (December 16-22, 2012)

Delaware Division of Public Health

National Synopsis – 2012 – 2013

Note: National data are updated Friday of each week. Please visit <http://www.cdc.gov/flu/weekly/> for the most current information.

Both national and state data are provisional and subject to change as additional reports are received.

Delaware Influenza Surveillance – 2012 – 2013:

There were 116 confirmed cases of influenza among Delawareans during Week 51.

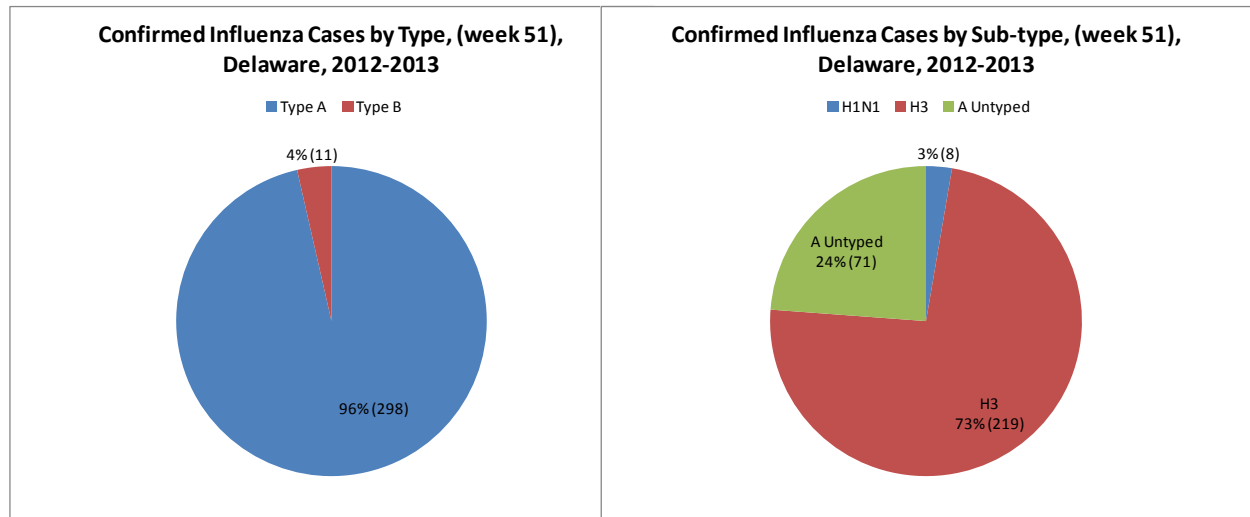
Influenza Positive¹ Cases Reported² through Week 51 (Week ending December 22, 2012)

Confirmed Flu Cases by Subtype		Wks. 40-42	Wks. 43-45	Wk. 46	Wk. 47	Wk. 48	Wk. 49	Wk. 50	Wk. 51	YTD	YTD Total	YTD Cnty %
Statewide	A (2009 H1)	0	0	0	0	0	0	4	4	4	309	
	A (H3)	2	12	12	9	30	33	43	78	141		
	A (subtyping not performed)	0	1	0	1	3	11	25	30	41		
	B	4	0	0	0	1	0	2	4	7		
New Castle County	A (2009 H1)	0	0	0	0	0	0	4	4	8	122	39.5%
	A (H3)	2	0	3	1	10	17	16	41	90		
	A (subtyping not performed)	0	0	0	0	0	2	4	14	20		
	B	1	0	0	0	0	0	2	1	4		
Kent County	A (2009 H1)	0	0	0	0	0	0	0	0	0	108	35.0%
	A (H3)	0	11	8	6	13	4	18	16	76		
	A (subtyping not performed)	0	1	0	1	2	4	9	12	29		
	B	2	0	0	0	0	0	0	1	3		
Sussex County	A (2009 H1)	0	0	0	0	0	0	0	0	0	79	25.6%
	A (H3)	0	1	1	2	7	12	9	21	53		
	A (subtyping not performed)	0	0	0	0	1	5	12	4	22		
	B	1	0	0	0	1	0	0	2	4		
		6	13	12	10	34	44	74	116	309		

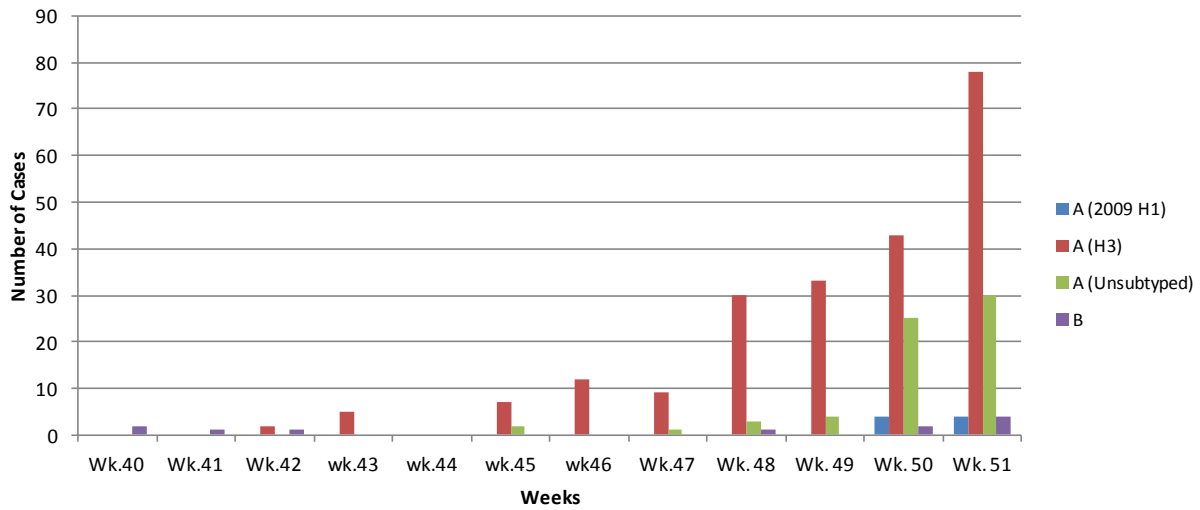
Confirmed Flu Cases by Age Group		Wks. 40-42	Wks. 43-45	Wk. 46	Wk. 47	Wk. 48	Wk. 49	Wk. 50	Wk. 51	YTD	YTD Total	YTD Cnty %
Statewide	0-4 years	1	4	7	5	11	7	13	16	64	309	
	5-24 years	1	6	4	5	11	13	39	53	132		
	25-49 years	1	1	0	0	6	8	15	26	57		
	50-64 years	1	2	1	0	4	6	6	13	33		
	65+ years	2	0	0	0	2	10	1	8	23		
New Castle Co	0-4 years	1	0	3	0	2	3	5	7	21	122	39.5%
	5-24 years	0	0	0	1	6	2	10	22	41		
	25-49 years	0	0	0	0	1	1	7	16	25		
	50-64 years	1	0	0	0	0	5	4	10	20		
	65+ years	1	0	0	0	1	8	0	5	15		
Kent County	0-4 years	0	4	4	4	6	2	4	6	30	108	35.0%
	5-24 years	1	5	3	3	4	5	18	14	53		
	25-49 years	0	1	0	0	2	1	3	6	13		
	50-64 years	0	2	1	0	2	0	2	2	9		
	65+ years	1	0	0	0	1	0	0	1	3		
Sussex County	0-4 years	0	0	0	1	3	2	4	3	13	79	25.6%
	5-24 years	0	1	1	1	1	6	11	17	38		
	25-49 years	1	0	0	0	3	6	5	4	19		
	50-64 years	0	0	0	0	2	1	0	1	4		
	65+ years	0	0	0	0	0	2	1	2	5		
		6	13	12	10	34	44	74	116	309		

¹ Based on patients with positive nucleic acid and viral culture test results reported to the Division of Public Health.

² Reports are by date of specimen collection, not the date the results are obtained. As a result, prior weeks' counts may be adjusted to reflect additional cases received.



Confirmed Influenza Cases by Type and Subtype, (week 51), Delaware, 2012-2013



Flu Related Hospitalizations		Wks. 40-42	Wks. 43-45	Wk. 46	Wk. 47	Wk. 48	Wk. 49	Wk. 50	Wk. 51	YTD	YTD Total	YTD Cnty %
Statewide	0-4 years	0	0	1	0	2	1	1	0	5	41	
	5-24 years	0	0	0	0	0	1	2	1	4		
	25-49 years	0	1	0	0	0	2	2	3	8		
	50-64 years	0	1	0	0	1	2	3	6	13		
	65+ years	1	0	0	0	2	3	1	4	11		
New Castle County	0-4 years	0	0	1	0	2	0	0	0	3	27	11.5%
	5-24 years	0	0	0	0	0	0	0	1	1		
	25-49 years	0	0	0	0	0	1	2	3	6		
	50-64 years	0	0	0	0	0	1	3	6	10		
	65+ years	0	0	0	0	1	2	0	4	7		
Kent County	0-4 years	0	0	0	0	0	1	1	0	2	10	4.3%
	5-24 years	0	0	0	0	0	1	2	0	3		
	25-49 years	0	1	0	0	0	0	0	0	1		
	50-64 years	0	1	0	0	1	0	0	0	2		
	65+ years	1	0	0	0	1	0	0	0	2		
Sussex County	0-4 years	0	0	0	0	0	0	0	0	0	4	1.7%
	5-24 years	0	0	0	0	0	0	0	0	0		
	25-49 years	0	0	0	0	0	1	0	0	1		
	50-64 years	0	0	0	0	0	1	0	0	1		
	65+ years	0	0	0	0	0	1	1	0	2		
		1	2	1	0	5	9	9	14	41		

Total Flu-related Deaths, Delaware 2012-2013 Influenza Season	Wks. 40- 42	Wks. 43- 45	Wks. 46- 48	Wk. 49	Wk. 50	Wk. 51	YTD
	0	0	0	0	0	0	0

<u>Annual Seasonal Influenza Case Totals</u>	
2004-2005	995
2005-2006	541
2006-2007	508
2007-2008	1,401
2008-2009	738
2009-2010	2,247
2010-2011	1,470
2011-2012	262
2012 - 2013 (YTD)	309

NOTE: The data provided is not a true reflection of the total number of individuals who have been infected with the influenza virus in Delaware during the reporting period due to the following factors:

- Many people ill with influenza-like symptoms do not seek medical care
- Many who do seek medical care are not tested for influenza
- The Delaware Public Health Laboratory (DPHL) is limited by capacity to processing a maximum of 5 tests per day from each reporting entity

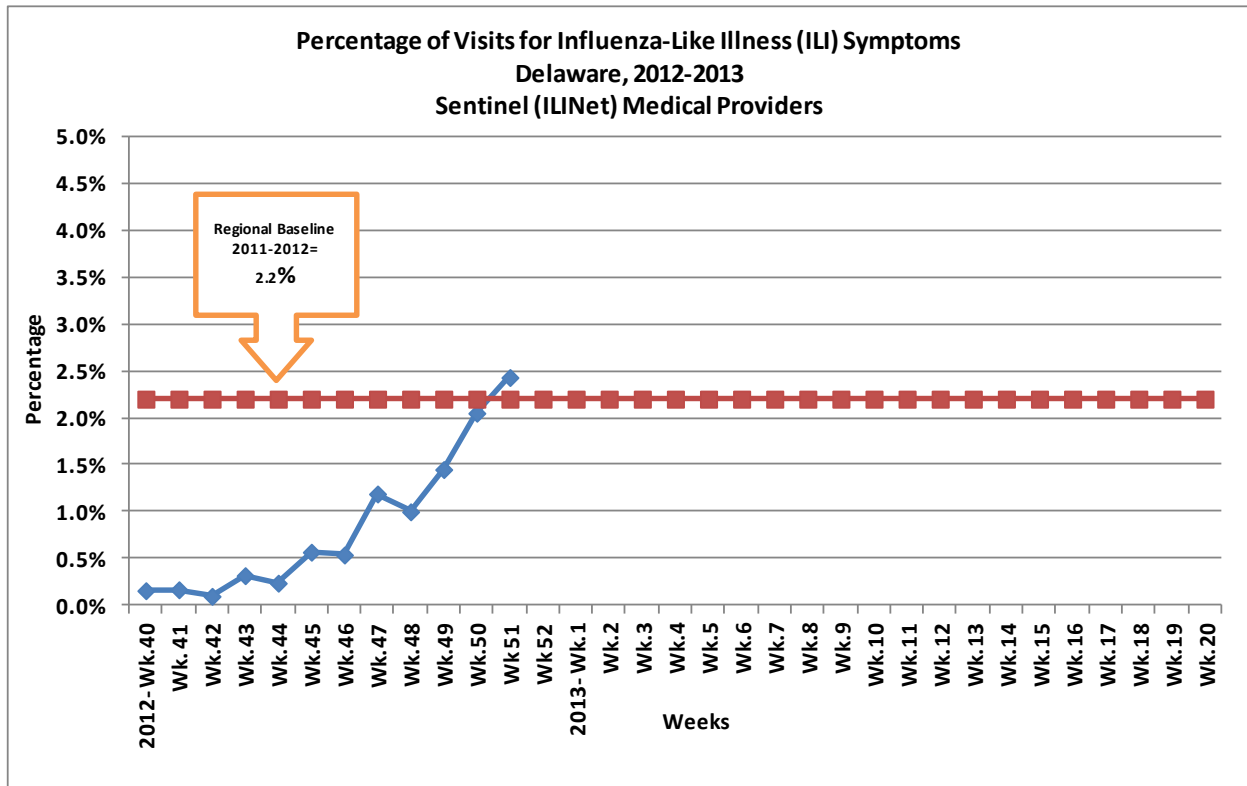
Level of Influenza Activity in Delaware, Week 51:

Local	Increased ILI above the regional baseline for the season in a single county; ILI activity in other counties is not increased above baseline AND recent (within the past three weeks) laboratory evidence of influenza in the county with increased ILI OR two or more institutional outbreaks (ILI or laboratory confirmed flu) in a single county AND recent (within the past three weeks) laboratory evidence of influenza in the county with the outbreaks; virus activity is no greater than sporadic in other counties.
→	Influenza-like illness (ILI) is defined as patients presenting with fever over 100° F, cough and/or sore throat in the absence of a known cause other than influenza.
→	No Activity: No laboratory confirmed cases of influenza and no increase in the number of reports of ILI above regional baseline for the season.
→	Sporadic: Isolated laboratory confirmed cases OR a laboratory confirmed outbreak in one institution but no increase in reports of ILI from the regional baseline for the season.
→	Local: Increased ILI above the regional baseline for the season in a single county; ILI activity in other counties is not increased above baseline AND recent (within the past three weeks) laboratory evidence of influenza in the county with increased ILI OR two or more institutional outbreaks (ILI or laboratory confirmed flu) in a single county AND recent (within the past three weeks) laboratory evidence of influenza in the county with the outbreaks; virus activity is no greater than sporadic in other counties.
→	Regional: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least 2 but less than half the regions of the state. (This level of activity does not apply for small states with 4 or fewer regions.)
→	Widespread: Increase in ILI reports above the regional baseline and/or institutional outbreaks of influenza (ILI or lab confirmed) AND recent (within the past 3 weeks) laboratory confirmed influenza in at least two of the three counties.

ILINet (Sentinel) Provider Surveillance Network:

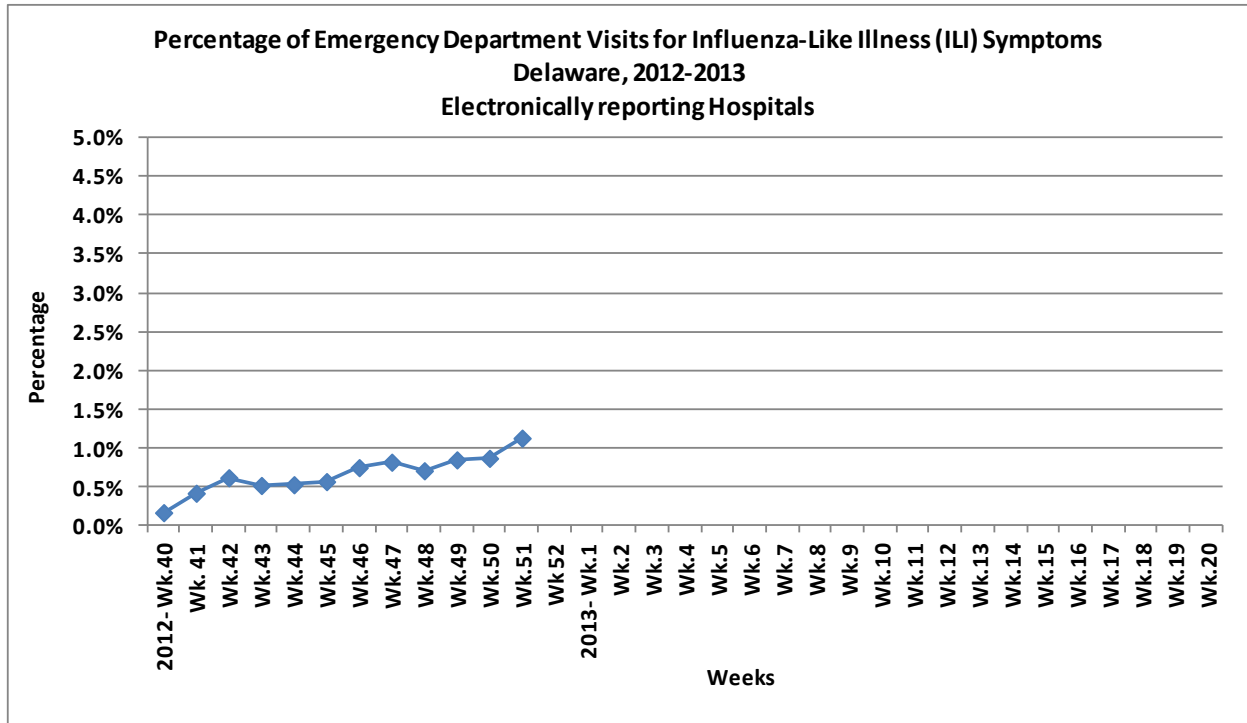
An ILINet (Sentinel) provider conducts surveillance for influenza-like illness (ILI) in collaboration with the state health department and the Centers for Disease Control and Prevention. Data reported by ILINet (Sentinel) provider, in combination with other influenza surveillance data, provide a national and statewide picture of influenza virus and ILI activity in the U.S.

**Influenza-Like Illness reported from ILINet (Sentinel) Providers
9 of 19 Sentinel Providers reporting**

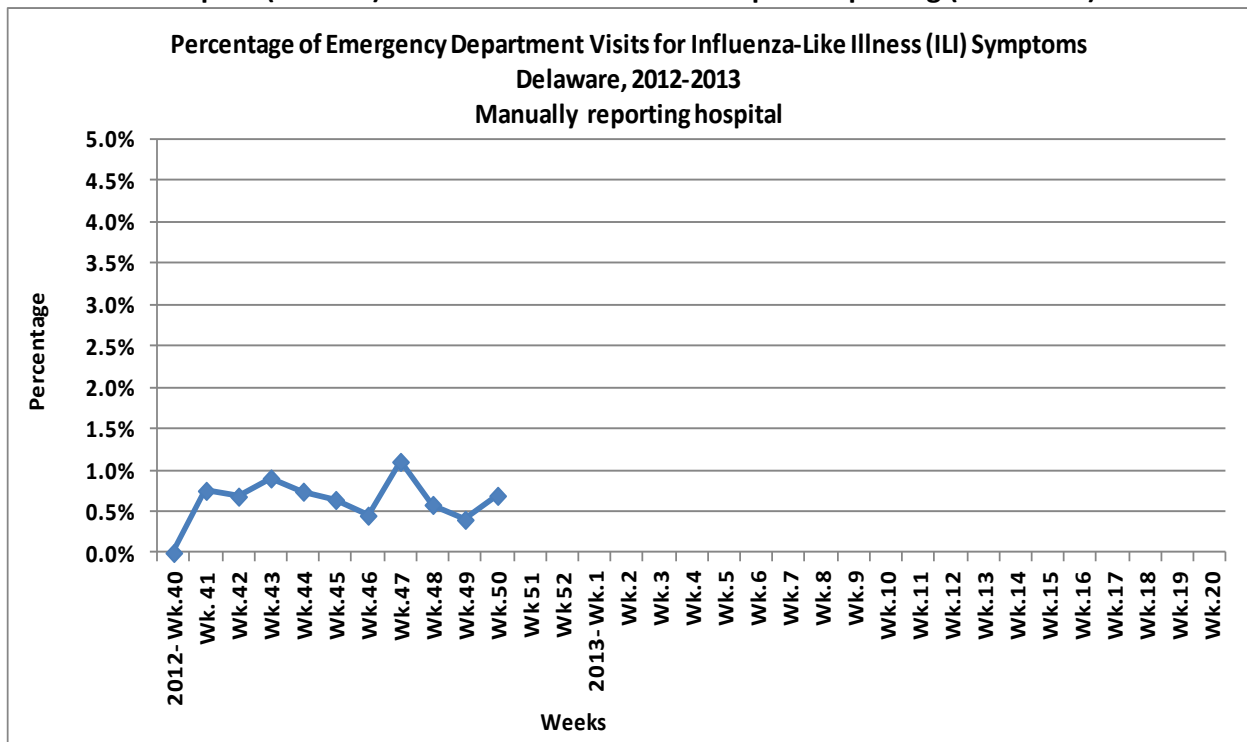


Region 3 (Delaware, District of Columbia, Maryland, Pennsylvania, Virginia & West Virginia); baseline= 2.2%.

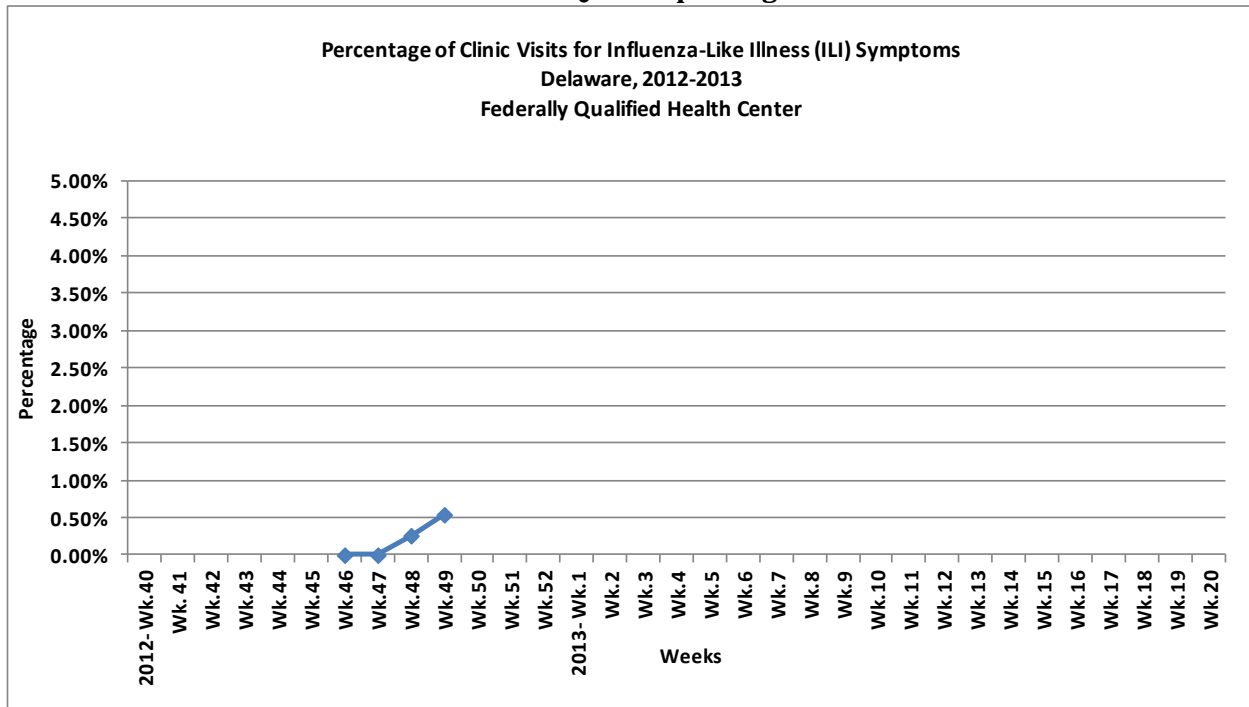
Hospital (Electronic) Surveillance Data: 7 of 7 Hospitals Reporting - Al DuPont, Bayhealth (Kent, Milford, Beebe), CCHS, Wilmington and St. Francis.



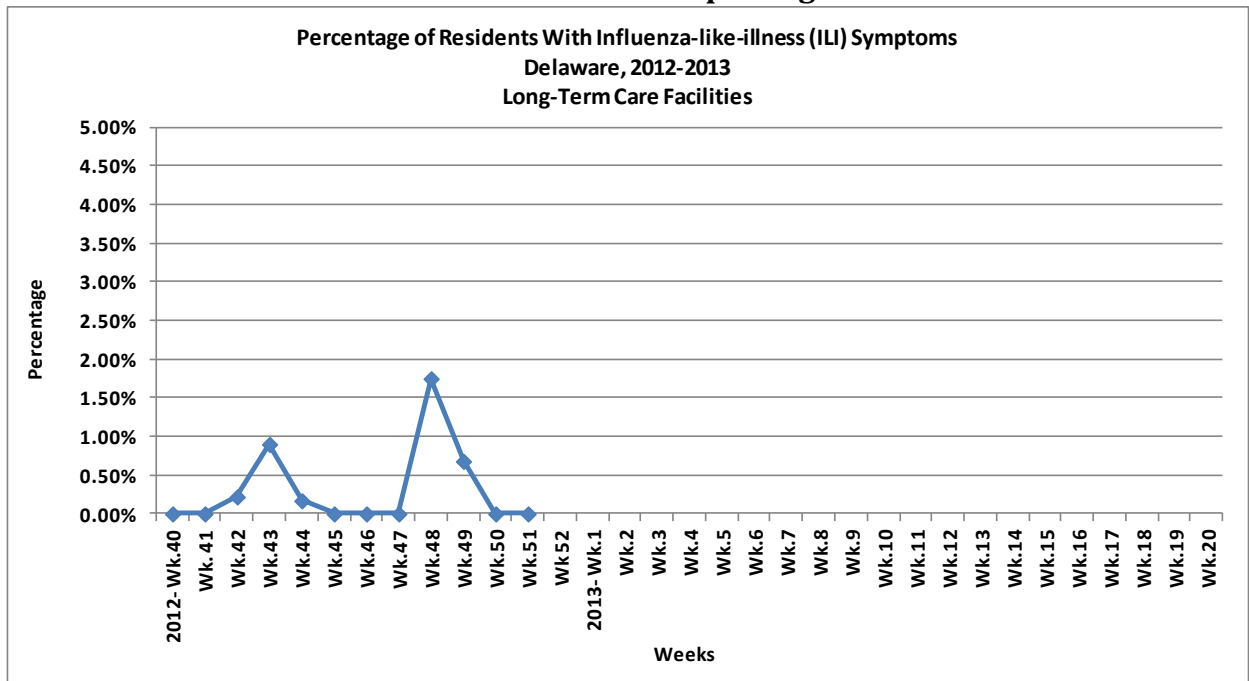
Hospital (Manual) Surveillance Data: 0 of 1 Hospital Reporting (Nanticoke)



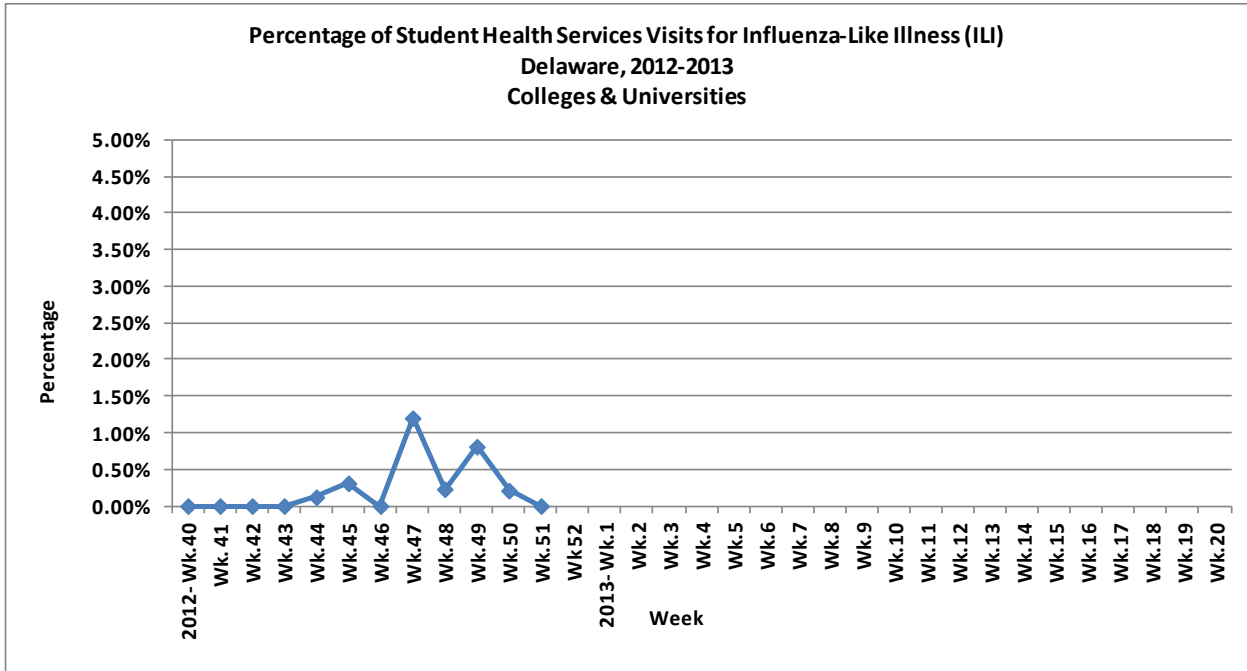
**Influenza-like illness reported from Federally Qualified Health Centers (FQHCs):
0 of 2 FQHCs reporting**



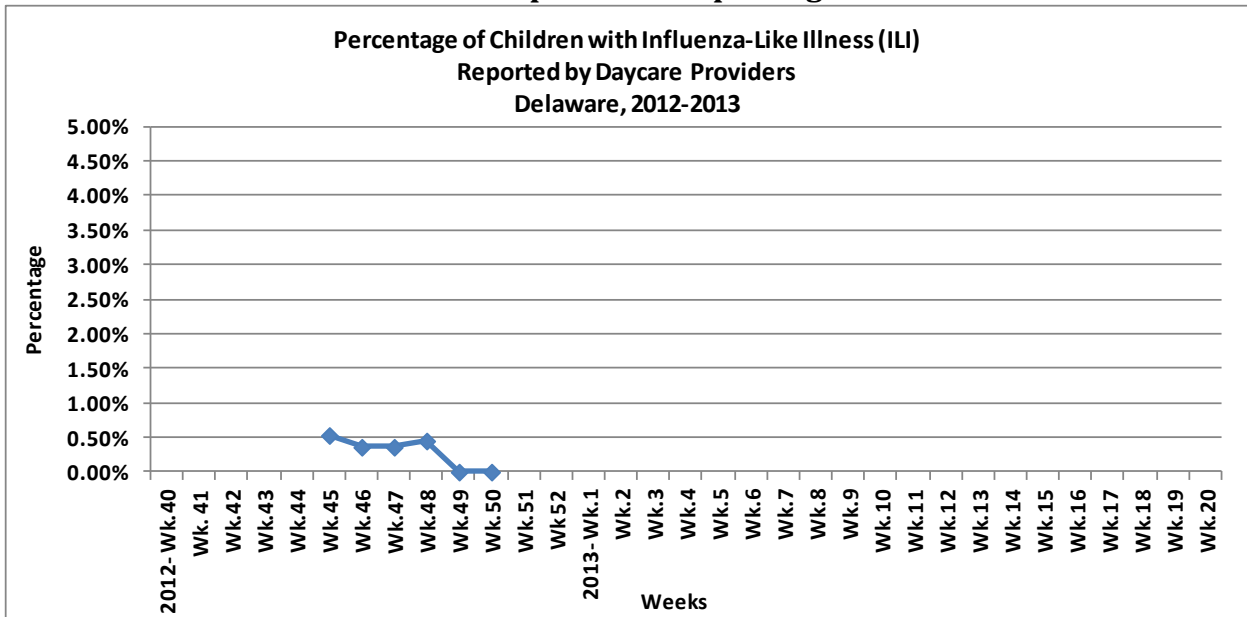
**Influenza-like-illness (ILI) reported by Long-Term Care Facilities (LTCFs):
3 of 19 facilities reporting**



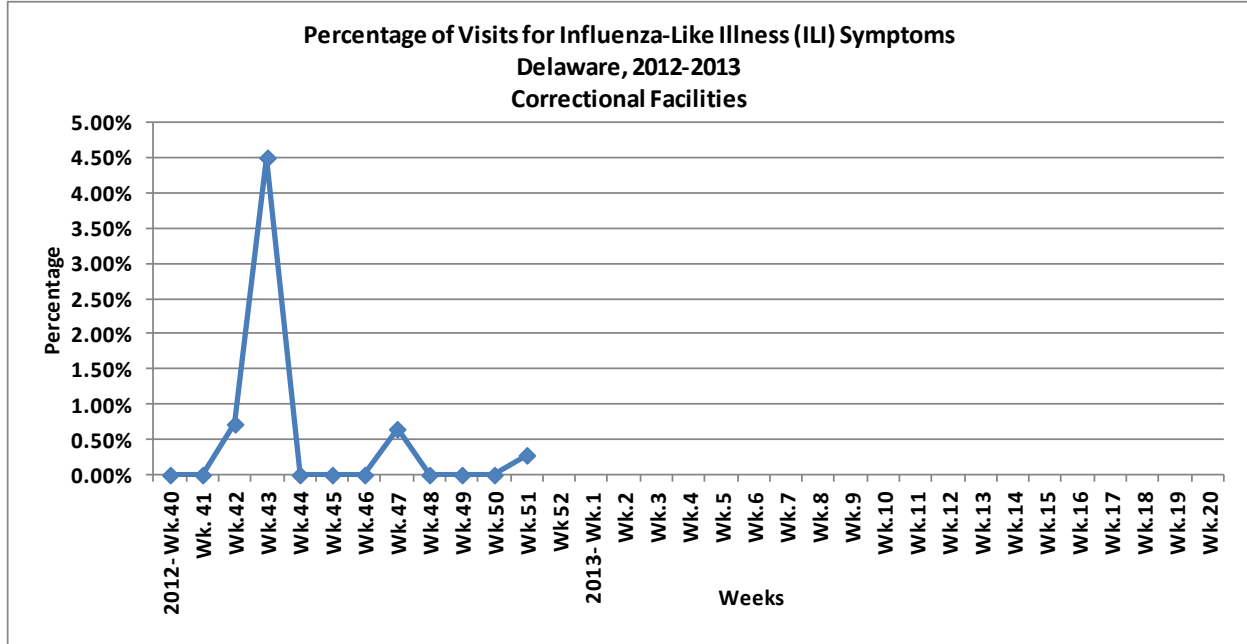
**Influenza-like-illness (ILI) reported by Colleges/Universities:
1 of 3 schools reporting (University of Delaware)**



**Influenza-like-illness (ILI) reported by Daycare Providers:
0 of 14 providers reporting**



**Influenza-like-illness (ILI) reported by Correctional Facilities:
3 of 10 facilities reporting**



The Division of Public Health is committed to serving you better. If you have not found the answers to your questions, please visit flu.delaware.gov or call (302) 744-4704.