



Delaware Weekly Influenza Report

Week 17 (April 21- April 27, 2013)

Delaware Division of Public Health

National Synopsis-2012-2013:

NOTE: National data is 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 was 1 confirmed case of influenza among Delawareans during week 17.

NOTE: The 2012-2013 influenza season begins with week 40.

Influenza Positive¹ Cases Reported² through Week 16 (Week ending April 20, 2013)

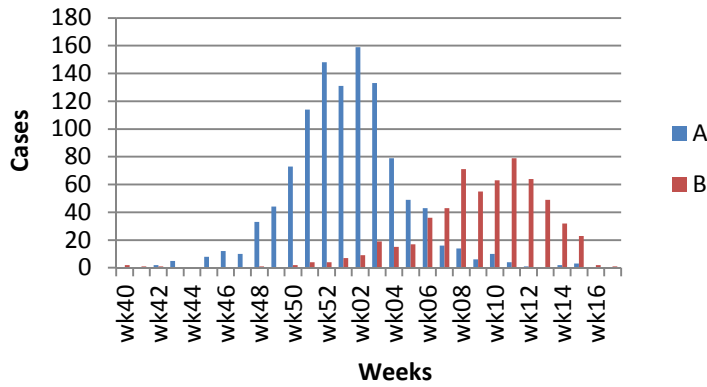
Confirmed Flu Cases by Subtype		Wks 40-52	Wks 01-05	Wk 06-10	Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	YTD	YTD Total	YTD Cnty%
Statewide	A (2009 H1)	15	15	4	2	0	0	1	1	0	0	38	1735	
	A (H3)	315	267	61	1	1	0	1	0	0	0	646		
	A (subtyping not performed)	119	273	29	1	0	0	0	2	0	0	424		
	B	16	76	284	79	64	49	32	23	3	1	627		
New Castle County	A (2009 H1)	12	12	4	1	0	0	1	1	0	0	31	794	46%
	A (H3)	139	104	32	1	1	0	0	0	0	0	277		
	A (subtyping not performed)	56	171	21	1	0	0	0	0	0	0	249		
	B	6	30	105	30	23	19	11	12	1	0	237		
Kent County	A (2009 H1)	0	2	0	1	0	0	0	0	0	0	3	415	24%
	A (H3)	87	48	7	0	0	0	0	0	0	0	142		
	A (subtyping not performed)	41	49	8	0	0	0	0	1	0	0	99		
	B	6	14	73	29	21	15	9	2	1	1	171		
Sussex County	A (2009 H1)	3	1	0	0	0	0	0	1	0	0	5	526	30%
	A (H3)	89	115	22	0	0	0	1	0	0	0	227		
	A (subtyping not performed)	22	53	5	0	0	0	0	0	0	0	80		
	B	4	32	101	20	20	15	12	9	1	0	214		

Confirmed Flu Cases by Age Group		Wks 40-52	Wks 01-05	Wks 06-10	Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	YTD	YTD Total	YTD Cnty%
Statewide	0-4 years	95	94	81	18	17	5	5	5	1	0	311	1735	
	5-24 years	185	191	64	44	28	25	6	5	1	0	649		
	25-49 years	83	119	57	18	5	10	11	3	0	1	307		
	50-64 years	45	78	32	6	9	2	5	10	1	0	188		
	65+ years	57	149	44	7	6	7	7	3	0	0	280		
New Castle County	0-4 years	36	35	33	2	6	1	2	3	0	0	118	798	46%
	5-24 years	72	76	64	19	11	14	4	1	1	0	262		
	25-49 years	35	61	19	5	0	3	1	3	0	0	127		
	50-64 years	28	47	22	3	5	0	4	5	0	0	114		
	65+ years	42	101	24	5	2	1	1	1	0	0	177		
Kent County	0-4 years	33	17	17	2	4	1	1	1	1	0	77	415	24%
	5-24 years	61	48	50	13	9	4	1	0	0	0	186		
	25-49 years	22	24	11	12	3	5	3	0	0	1	81		
	50-64 years	11	13	4	2	2	2	1	1	0	0	36		
	65+ years	7	12	5	1	3	3	3	1	0	0	35		
Sussex County	0-4 years	27	42	31	4	7	3	2	1	0	0	117	522	30%
	5-24 years	51	67	50	12	8	7	1	4	0	0	200		
	25-49 years	26	34	27	1	2	2	7	0	0	0	99		
	50-64 years	6	18	6	1	2	0	0	4	1	0	38		
	65+ years	8	36	15	1	1	3	3	1	0	0	68		

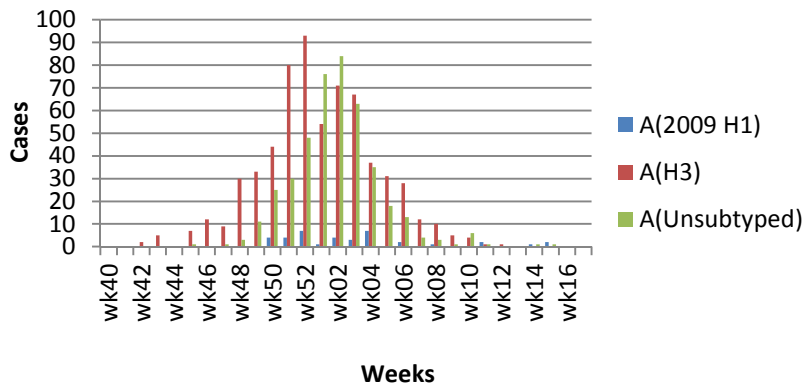
¹ Based on patients with positive nucleic acid or viral culture test results reported to the Division of Public Health.

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 (through week 17)
Delaware 2012-2013**



**Confirmed Influenza A Cases by Subtype (through week 17)
Delaware 2012-2013**



Flu Related Hospitalizations	Wks 40-52	Wks 01-05	Wks 06-10	Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	YTD	YTD Total	YTD Cnty%
Statewide	0-4 years	6	10	5	2	4	1	1	1	0	31	422	
	5-24 years	20	18	14	6	0	1	1	0	0	60		
	25-49 years	18	27	9	2	0	2	1	1	0	60		
	50-64 years	19	34	17	3	5	0	1	0	0	79		
	65+ years	40	107	26	6	4	4	3	2	0	192		
New Castle County	0-4 years	3	4	5	0	0	0	1	1	0	14	308	73%
	5-24 years	14	13	7	5	0	0	1	0	0	40		
	25-49 years	12	22	8	1	0	0	0	1	0	44		
	50-64 years	16	27	14	3	3	0	1	0	0	64		
	65+ years	32	89	16	5	1	1	1	1	0	146		
Kent County	0-4 years	2	2	0	2	3	1	0	0	1	11	68	16%
	5-24 years	3	6	3	0	0	1	0	0	0	13		
	25-49 years	3	5	1	1	0	2	0	0	0	12		
	50-64 years	2	6	1	0	2	0	0	0	0	11		
	65+ years	5	8	3	0	2	1	2	0	0	21		
Sussex County	0-4 years	1	4	0	0	1	0	0	0	0	6	46	11%
	5-24 years	3	0	3	1	0	0	0	0	0	7		
	25-49 years	3	0	0	0	0	0	1	0	0	4		
	50-64 years	1	1	2	0	0	0	0	0	0	4		
	65+ years	3	10	7	1	1	2	0	1	0	25		

Flu Related Deaths	Wks 40-52	Wks 01-05	Wks 06-10	Wks 11-12	WK13	Wk14	Wk15	Wk16	Wk17	Cumulative as of wk13
	0	2	2	0	0	0	0	0	0	4

Annual Seasonal Flu Case Totals	
2004-2005	995
2005-2006	541
2006 -2007	508
2007-2008	1401
2008-2009	738
2009-2010	2247
2010-2011	1470
2011-2012	262
2012-2013 (YTD)	1735

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 17:

Sporadic → Isolated laboratory confirmed cases OR a laboratory confirmed outbreak in one institution but no increase in reports of ILI from the regional baseline¹ for the season

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.)

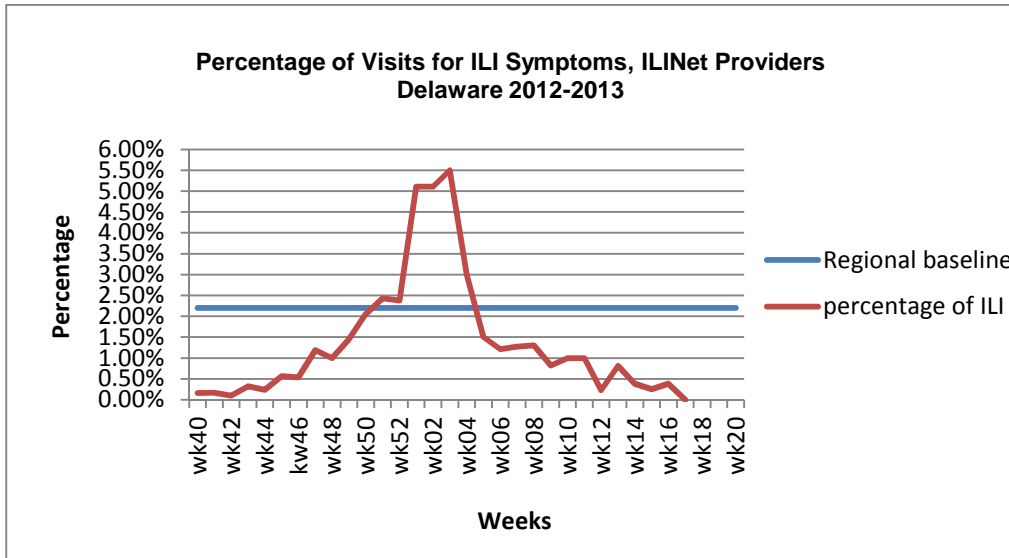
Widespread: Increase in ILI reports above the regional baseline and/or institutional outbreaks of influenza (ILI or lab confirmed) AND recent (within the past 3 weeks) laboratory confirmed influenza in at least two of the three counties.

¹2012-2013 Region 3 (DE, DC, MD, PA, VA & WV) Baseline=2.20%.

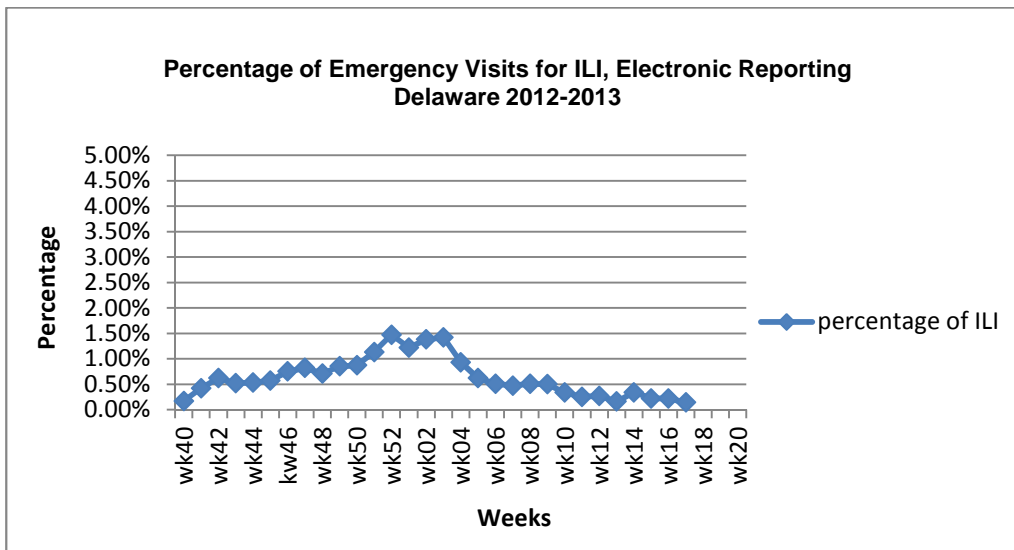
ILINet (Sentinel) Provider Surveillance Network:

An ILINet (Sentinel) provider conducts surveillance for influenza-like illness (ILI) in collaboration with the Division of Public Health and the Centers for Disease Control and Prevention. Data reported by ILINet providers, in combination with other influenza surveillance data, provides a national and statewide picture of influenza activity in the U.S.

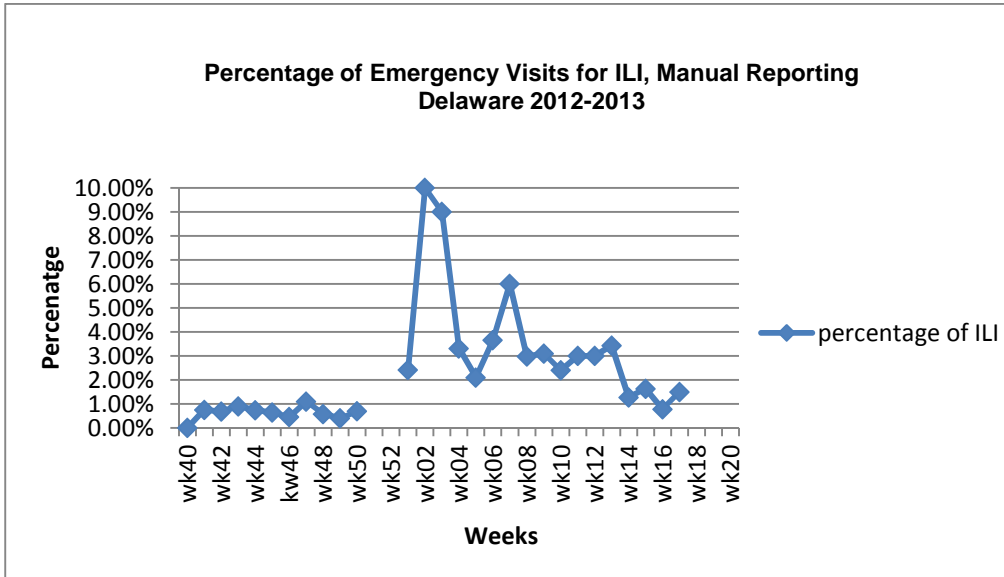
Influenza-Like Illness Reported from ILINet Providers (7 of 19 Reporting)



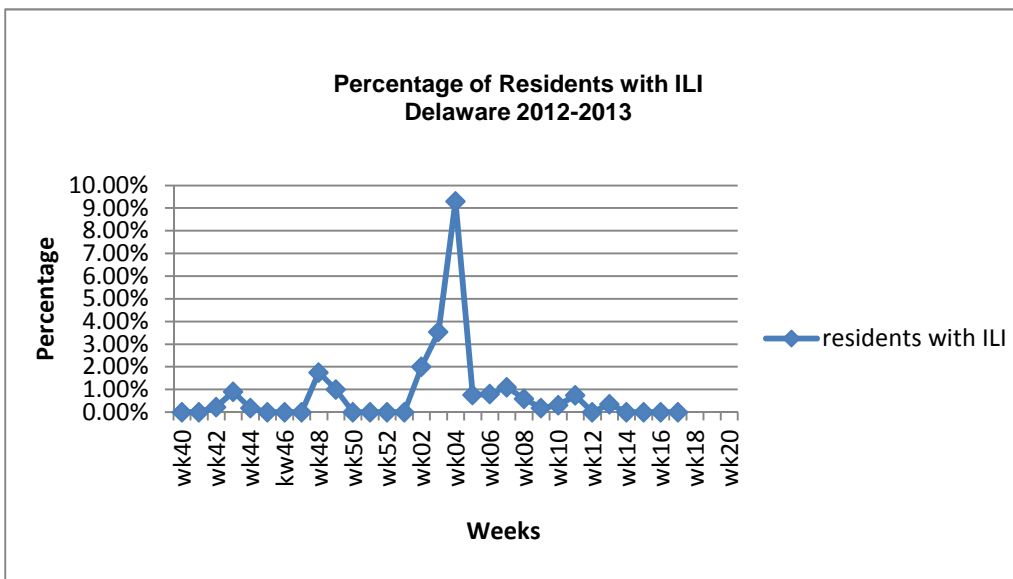
Hospital (Electronic) Surveillance Data: 7 of 7 Hospitals Reporting - Al DuPont, Bayhealth (Kent, Milford, Beebe), CCHS, Wilmington and St. Francis



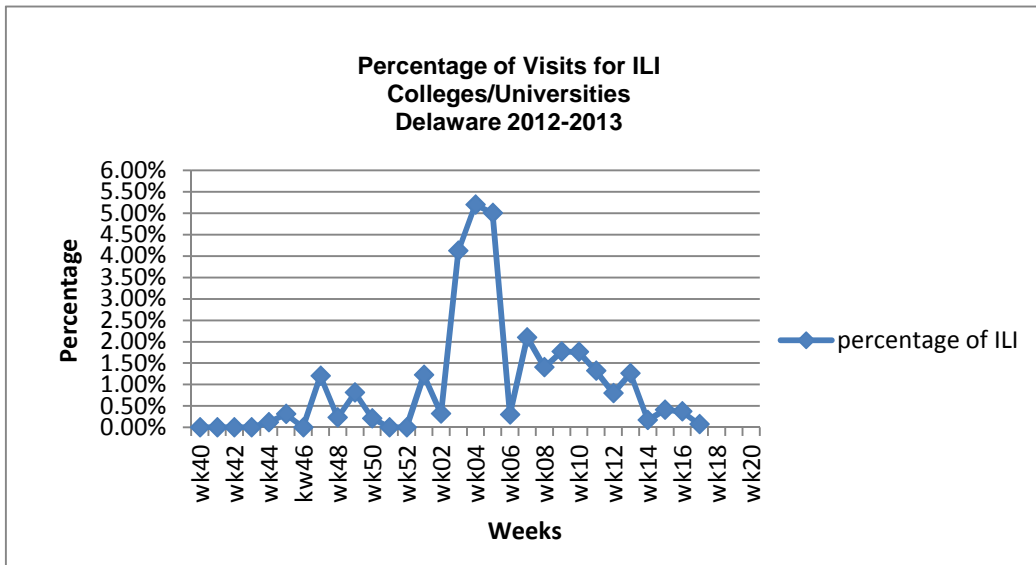
Hospital Manual Surveillance Data-Delaware 2012-2013: Nanticoke Memorial Hospital



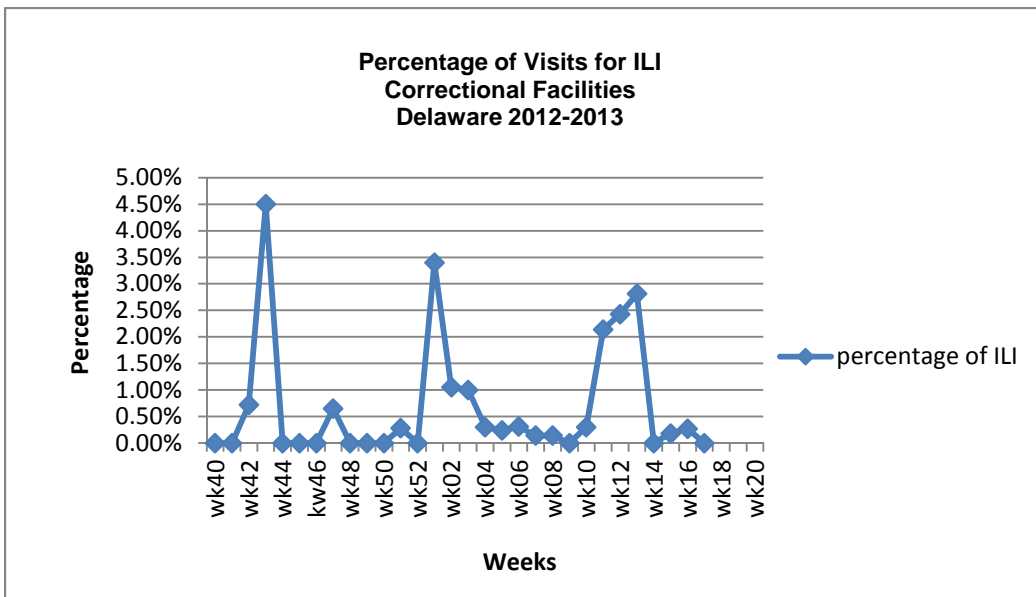
Influenza-Like Illness (ILI) reported by Long Term Care Facilities (LTCFs) – Delaware 2012-2013
5 of 19 reporting



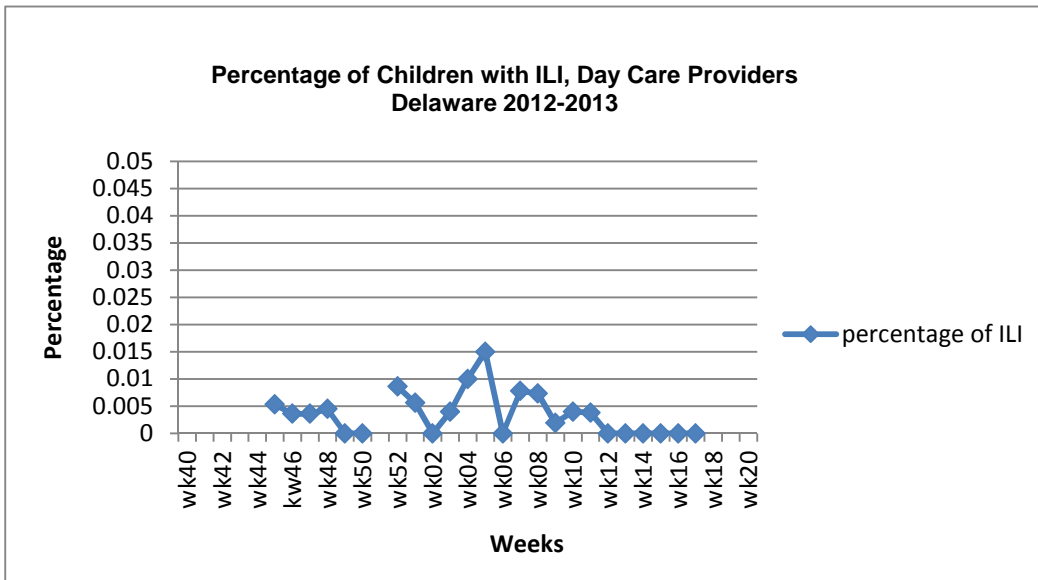
**Influenza-Like Illness (ILI) reported by Colleges/Universities—Delaware 2012-2013:
3 of 3 schools reporting (University of Delaware, Delaware State University, and Wesley College)**



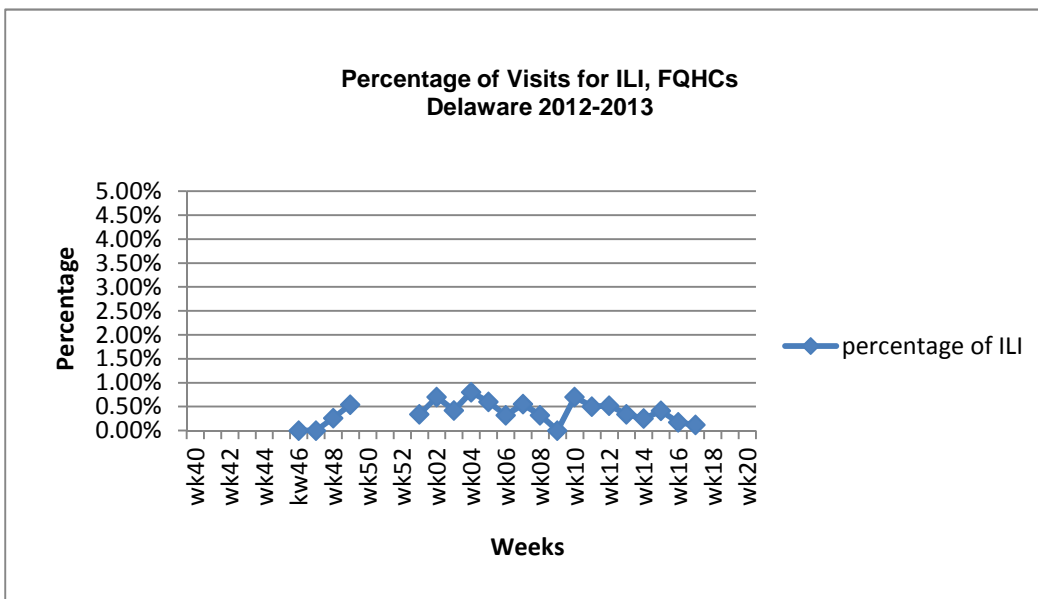
**Influenza-Like Illness (ILI) reported by Correctional Facilities—Delaware 2012-2013:
5 of 10 reporting**



**Influenza-Like Illness (ILI) reported by Daycare Providers- Delaware 2012-2013:
3 of 15 reporting**



**Influenza-Like Illness (ILI) reported by Federally Qualified Health Centers (FQHCs)-Delaware 2012-2013
2 of 2 reporting (LARED and Henrietta Johnson Medical Center)**



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.