



Delaware Weekly Influenza Report

Week 13 (March 24- March 30, 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 were 45 confirmed cases of influenza among Delawareans during week 13.

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

Influenza Positive¹ Cases Reported² through Week 13 (Week ending March 30, 2013)

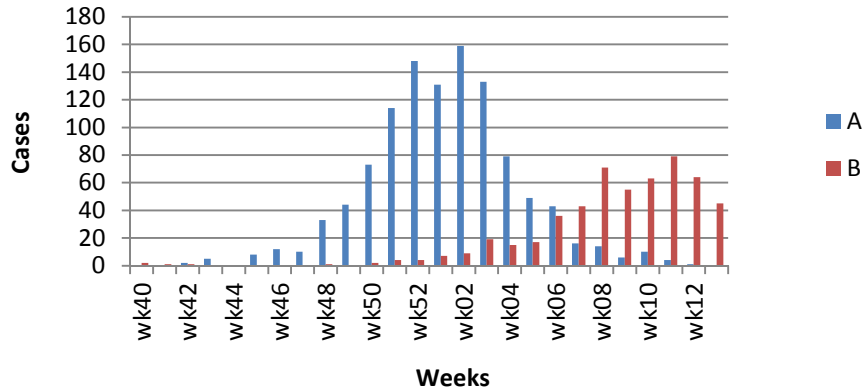
Confirmed Flu Cases by Subtype		Wks 40-52	Wks 01-05	Wk06	Wk07	Wk08	Wk09	Wk10	Wk11	Wk12	Wk13	YTD	YTD Total	YTD Cnty%
Statewide	A (2009 H1)	15	15	2	1	1	0	0	2	0	0	36	1667	
	A (H3)	315	267	27	15	10	5	4	1	1	0	645		
	A (subtyping not performed)	119	273	14	5	3	1	6	1	0	0	422		
	B	16	76	38	57	71	55	63	79	64	45	564		
New Castle County	A (2009 H1)	12	12	2	1	1	0	0	1	0	0	29	765	46%
	A (H3)	139	104	12	7	7	3	3	1	1	0	277		
	A (subtyping not performed)	56	171	10	0	8	0	3	1	0	0	249		
	B	6	30	12	28	18	25	22	30	23	16	210		
Kent County	A (2009 H1)	0	2	0	0	0	0	0	1	0	0	3	400	24%
	A (H3)	87	48	3	0	2	2	0	0	0	0	142		
	A (subtyping not performed)	41	49	2	3	0	0	3	0	0	0	98		
	B	6	14	7	11	19	15	21	29	21	14	157		
Sussex County	A (2009 H1)	3	1	0	0	0	0	0	0	0	0	4	502	30%
	A (H3)	89	115	12	8	1	0	1	0	0	0	226		
	A (subtyping not performed)	22	53	2	2	0	1	0	0	0	0	80		
	B	4	32	19	18	29	15	20	20	20	15	192		

Confirmed Flu Cases by Age Group		Wks 40-52	Wks 01-05	Wk06	Wk07	Wk08	Wk09	Wk10	Wk11	Wk12	Wk13	YTD	YTD Total	YTD Cnty%
Statewide	0-4 years	95	94	9	21	19	20	12	18	17	4	299	1667	
	5-24 years	185	191	35	36	40	23	30	44	28	24	636		
	25-49 years	83	119	9	7	13	14	14	18	5	8	290		
	50-64 years	45	78	13	8	3	1	7	6	9	2	172		
	65+ years	57	149	15	6	10	3	10	7	6	7	270		
New Castle County	0-4 years	36	35	4	11	5	9	4	2	6	1	113	769	46%
	5-24 years	72	76	11	15	14	13	11	19	11	13	255		
	25-49 years	35	61	2	1	4	6	6	5	0	1	121		
	50-64 years	28	47	11	6	2	0	3	3	5	0	105		
	65+ years	42	101	8	3	7	1	5	5	2	1	175		
Kent County	0-4 years	33	17	3	3	4	4	3	2	4	0	73	400	24%
	5-24 years	61	48	6	10	16	7	11	13	9	4	185		
	25-49 years	22	24	2	1	2	3	3	12	3	5	77		
	50-64 years	11	13	0	0	0	1	3	2	2	2	34		
	65+ years	7	12	1	0	0	1	3	1	3	3	31		
Sussex County	0-4 years	27	42	2	7	10	7	5	4	7	3	114	498	30%
	5-24 years	51	67	18	11	10	3	8	12	8	7	195		
	25-49 years	26	34	5	5	7	5	5	1	2	2	92		
	50-64 years	6	18	2	2	1	0	1	1	2	0	33		
	65+ years	8	36	6	3	3	1	2	1	1	3	64		

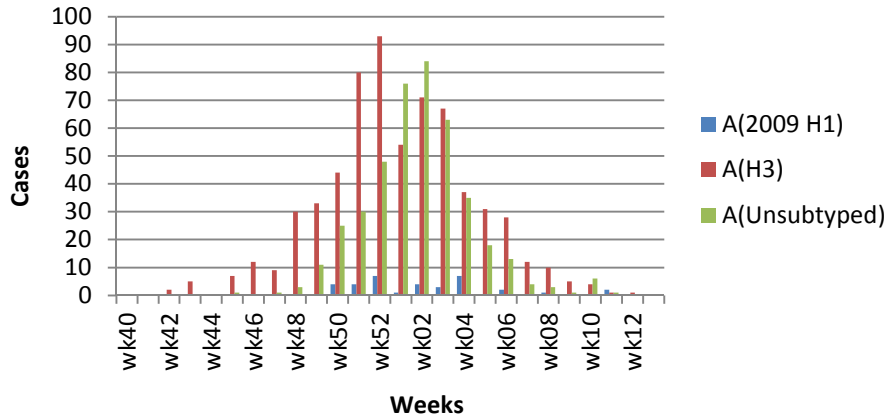
¹ Based on patients with positive nucleic acid or viral culture test results reported to the Division of Public Health.

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 13)
Delaware 2012-2013**



**Confirmed Influenza A Cases by Subtype (through week 13)
Delaware 2012-2013**



Flu Related Hospitalizations	Wks 40-52	Wks 01-05	Wk06	Wk07	Wk08	Wk09	Wk10	Wk11	Wk12	Wk13	YTD	YTD Total	YTD Cnty%	
Statewide	0-4 years	6	10	0	3	0	2	0	2	4	0	27	409	
	5-24 years	20	18	3	3	4	2	2	6	0	1	59		
	25-49 years	18	27	0	0	1	4	4	2	0	2	58		
	50-64 years	19	34	8	6	0	0	3	3	5	0	78		
	65+ years	40	107	9	3	5	2	7	6	4	4	187		
New Castle County	0-4 years	3	4	0	3	0	2	0	0	0	0	12	301	74%
	5-24 years	14	13	2	2	0	1	2	5	0	0	39		
	25-49 years	12	22	0	0	1	3	4	1	0	0	43		
	50-64 years	16	27	8	4	0	0	2	3	3	0	63		
	65+ years	32	89	6	1	5	0	4	5	1	1	144		
Kent County	0-4 years	2	2	0	0	0	0	0	2	3	0	9	64	16%
	5-24 years	3	6	1	0	2	0	0	0	0	1	13		
	25-49 years	3	5	0	0	0	1	0	1	0	2	12		
	50-64 years	2	6	0	0	0	0	1	0	2	0	11		
	65+ years	5	8	0	0	0	1	2	0	2	1	19		
Sussex County	0-4 years	1	4	0	0	0	0	0	0	1	0	6	44	10%
	5-24 years	3	0	0	0	2	1	0	1	0	0	7		
	25-49 years	3	0	0	0	0	0	0	0	0	0	3		
	50-64 years	1	1	0	2	0	0	0	0	0	0	4		
	65+ years	3	10	3	2	0	1	1	1	1	2	24		

Flu Related Deaths	Wks 40-52	Wks 01-05	Wks 06-07	Wk08	Wk09	WK10	Wk11	Wk12	Wk13	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)	1667

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 13:

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.)

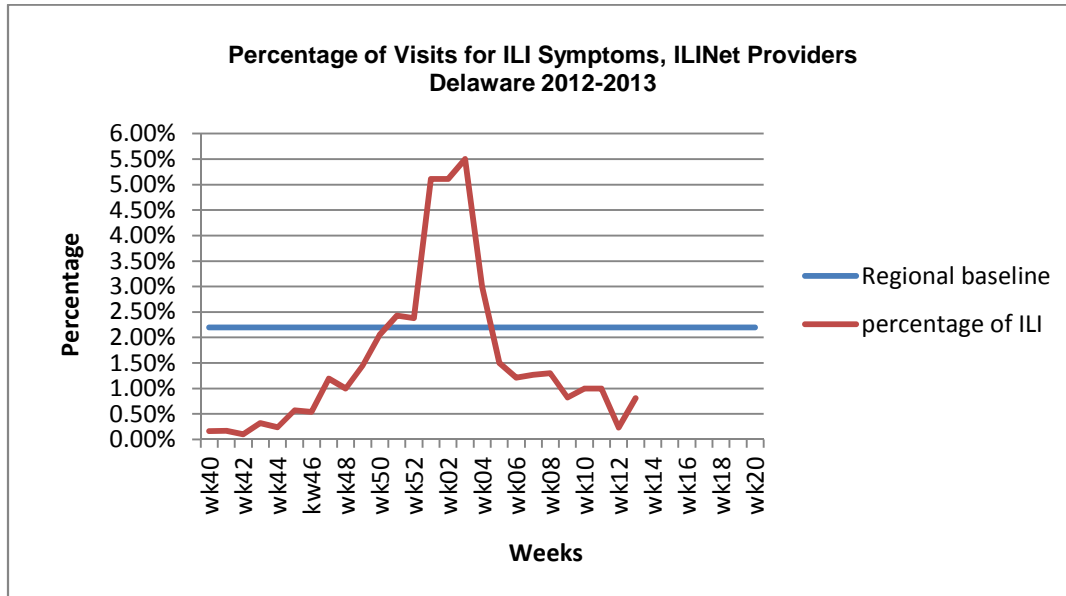
Widespread: Increase in ILI reports above the regional baseline and/or institutional outbreaks of influenza (ILI or lab confirmed) AND recent (within the past 3 weeks) laboratory confirmed influenza in at least two of the three counties.

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

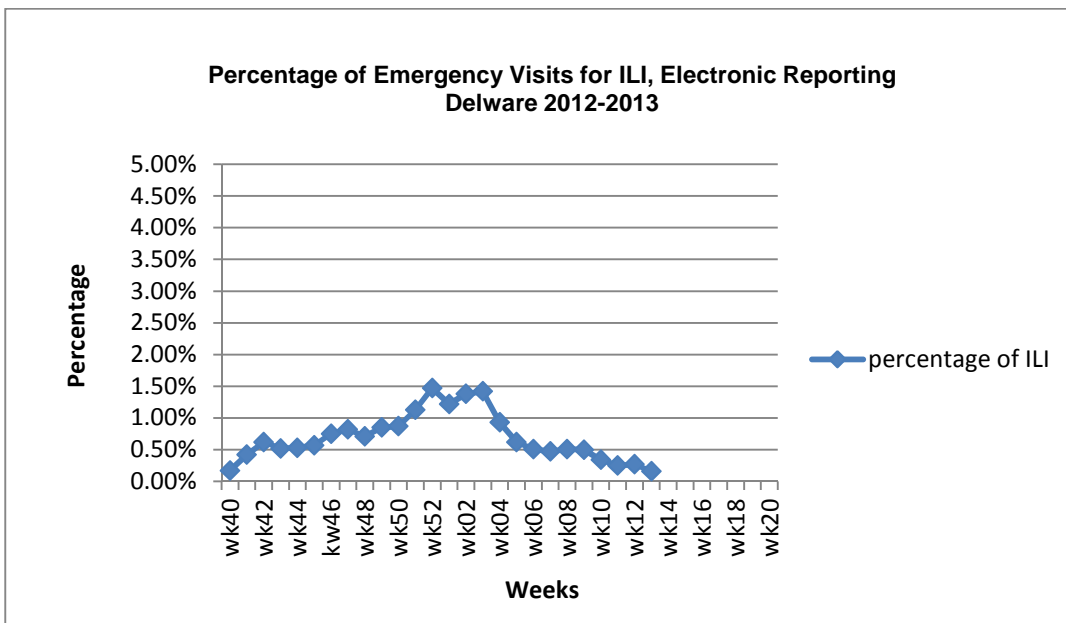
ILINet (Sentinel) Provider Surveillance Network:

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.

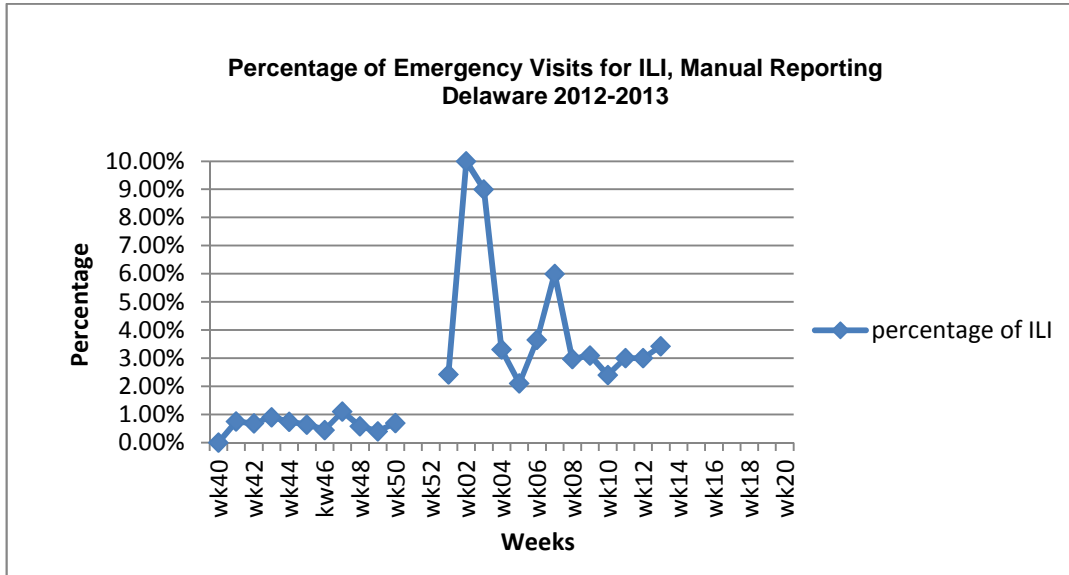
Influenza-Like Illness Reported from ILINet Providers (9 of 19 Reporting)



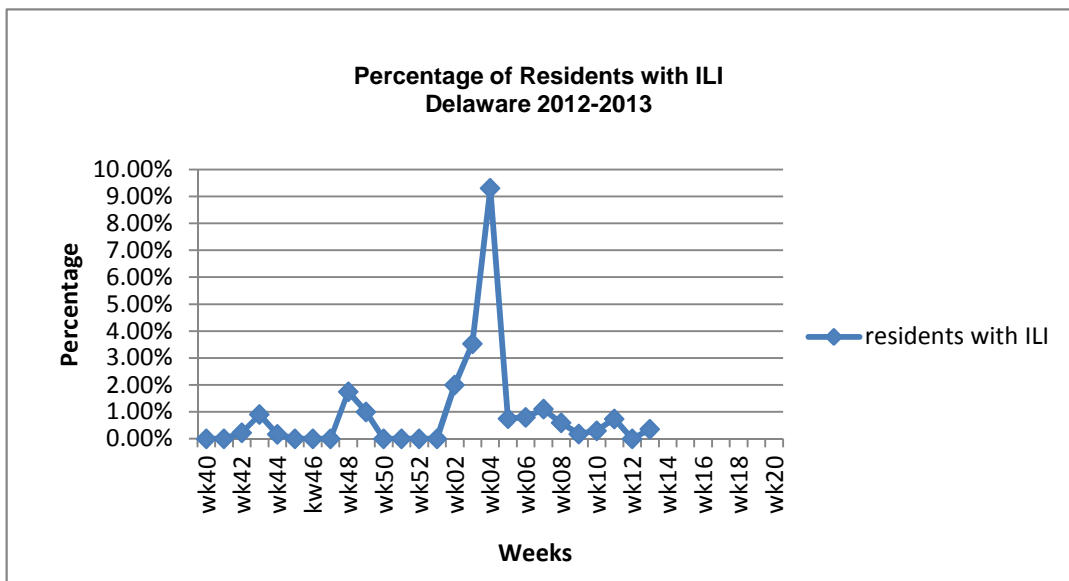
Hospital (Electronic) Surveillance Data: 7 of 7 Hospitals Reporting - Al DuPont, Bayhealth (Kent, Milford, Beebe), CCHS, Wilmington and St. Francis



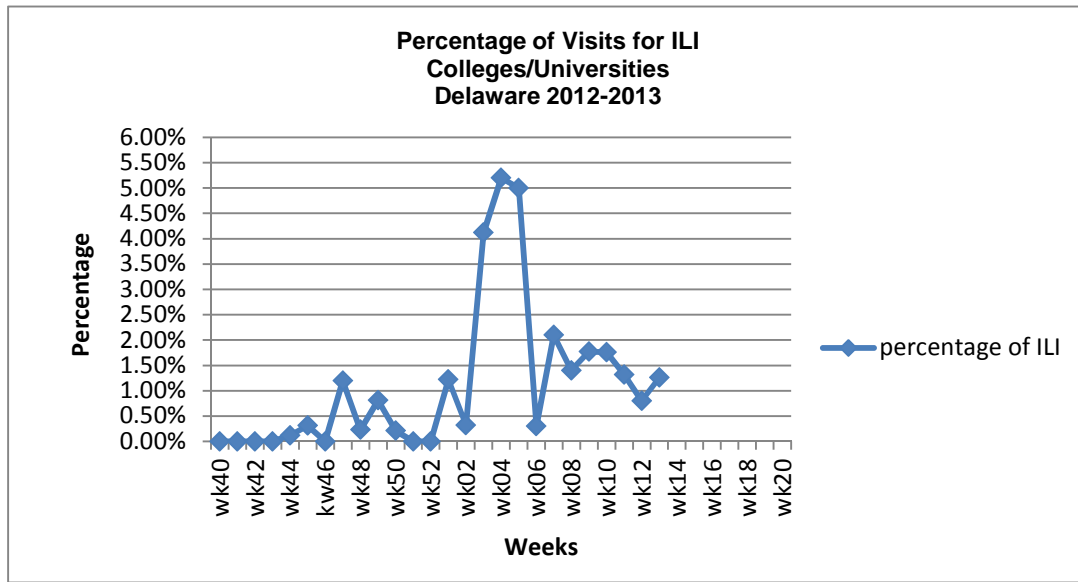
Hospital Manual Surveillance Data-Delaware 2012-2013: Nanticoke Memorial Hospital



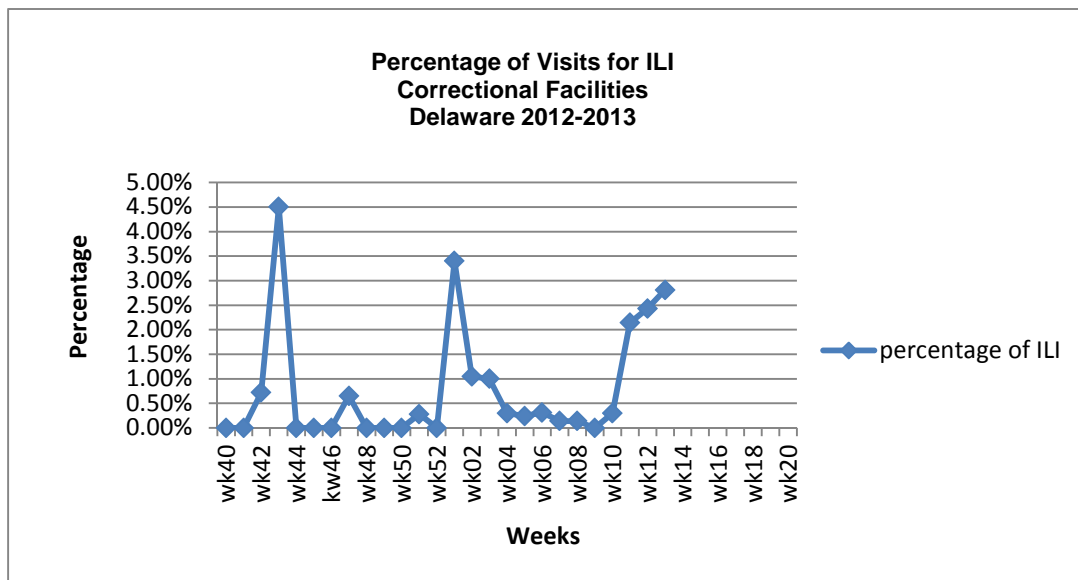
Influenza-Like Illness (ILI) reported by Long Term Care Facilities (LTCFs) – Delaware 2012-2013
7 of 19 reporting



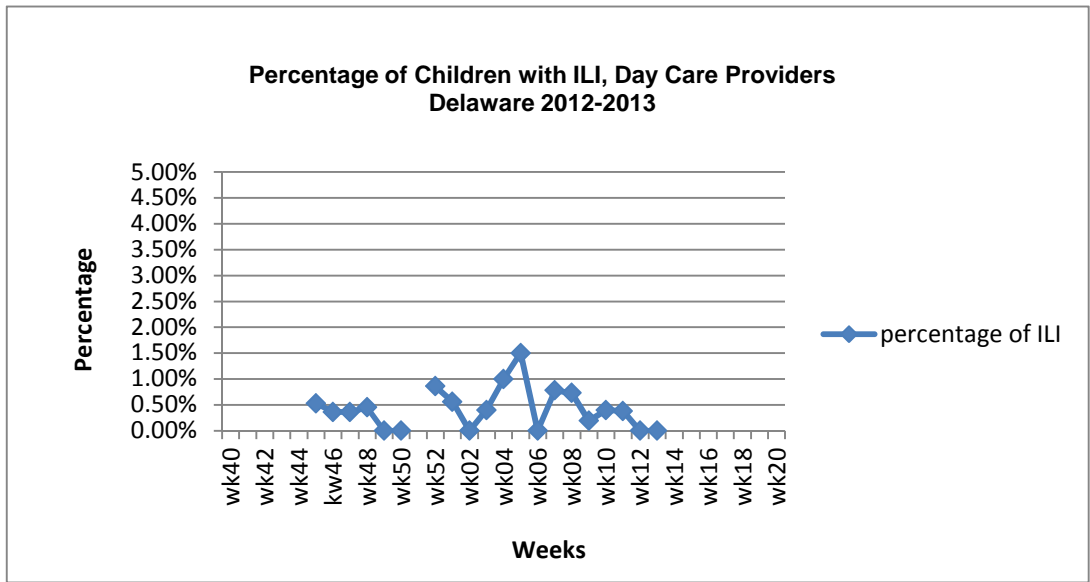
**Influenza-Like Illness (ILI) reported by Colleges/Universities—Delaware 2012-2013:
2 of 3 schools reporting (University of Delaware, and Wesley College)**



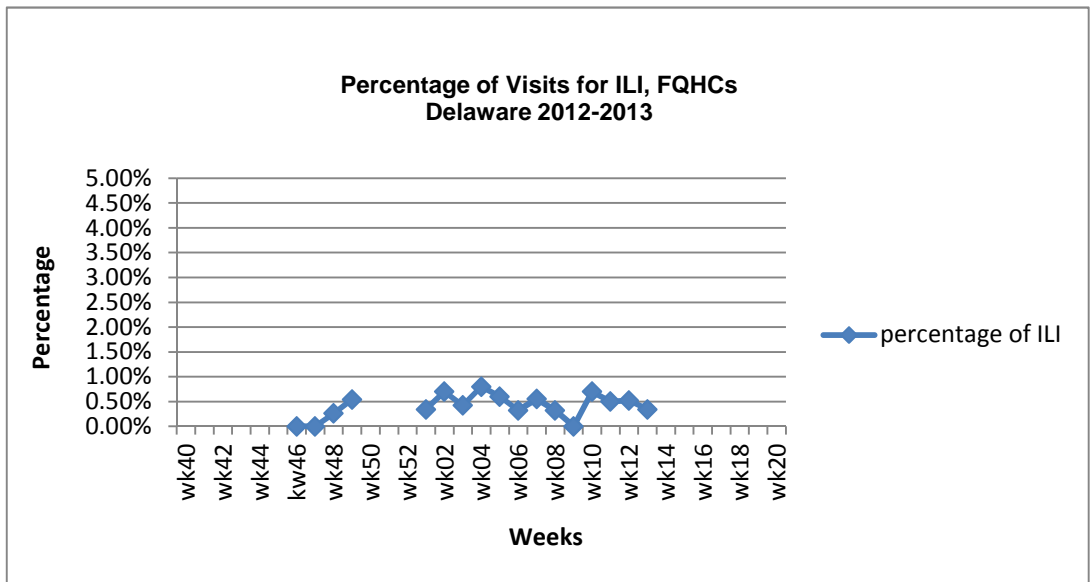
**Influenza-Like Illness (ILI) reported by Correctional Facilities—Delaware 2012-2013:
10 of 10 reporting**



**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
1 of 2 reporting (LARED)**



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.