



Delaware Weekly Influenza Surveillance Report

Week 40 (October 4-10, 2009)

Delaware Division of Public Health

National Synopsis-2009-2010:

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

Delaware Influenza Surveillance-2009-2010:

Influenza positive and confirmed cases reported to the Delaware Electronic Surveillance System (DERSS) during week 40, week ending October 10, 2009

	Week 39	Week 40	† Cumulative
*Specimens positive for influenza			
○ Flu type A	75	200	200
· A (H1N1)	0	0	0
· A (H3N2)	0	0	0
· A (Unsubtyped)	6	21	21
· A (Novel H1N1)	69	179	179
○ Flu type B	0	0	0
§§ Total Laboratory Confirmed Cases Stratified by County and Age Group			
Counties:			
○ New Castle	19	77	77
· A (H1N1)	0	0	0
· A (H3N2)	0	0	0
· A (Unsubtyped)	3	6	6
· A (Novel H1N1)	16	71	71
❖ Flu Type B	0	0	0
○ Kent	38	87	87
· A (H1N1)	0	0	0
· A (H3N2)	0	0	0
· A (Unsubtyped)	3	13	13
· A (Novel H1N1)	35	74	74
❖ Flu Type B	0	0	0
○ Sussex	18	36	36
· A (H1N1)	0	0	0
· A (H3N2)	0	0	0
· A (Unsubtype)	0	2	2
· A (Novel H1N1)	18	34	34
❖ Flu Type B	0	0	0

○ New Castle			
<u>Age Range:</u>			
▪ 0-4 yrs	3	19	19
▪ 5-24 yrs	14	49	49
▪ 25-49 yrs	1	8	8
▪ 50-64 yrs	0	1	1
▪ 65+ yrs	1	0	0
○ Kent			
<u>Age Range:</u>			
▪ 0-4 yrs	5	12	12
▪ 5-24 yrs	26	65	65
▪ 25-49 yrs	7	6	6
▪ 50-64 yrs	0	4	4
▪ 65+ yrs	0	0	0
○ Sussex			
<u>Age Range:</u>			
▪ 0-4 yrs	3	8	8
▪ 5-24 yrs	13	25	25
▪ 25-49 yrs	1	2	2
▪ 50-64 yrs	0	1	1
▪ 65+ yrs	1	0	0

Hospitalization (s) Stratified by County and Age Group

○ New Castle	7	1	1
<u>Age Range:</u>			
▪ 0-4 yrs	1	0	0
▪ 5-18 yrs	6	1	1
▪ 19-24 yrs	0	0	0
▪ 25-49 yrs	0	0	0
▪ 50-64 yrs	0	0	0
▪ 65+ yrs	0	0	0
○ Kent	1	3	3
<u>Age Range:</u>			
▪ 0-4 yrs	0	1	1
▪ 5-18 yrs	0	1	1
▪ 19-24 yrs	1	0	0
▪ 25-49 yrs	0	1	1
▪ 50-64 yrs	0	0	0
▪ 65+ yrs	0	0	0
○ Sussex	1	0	0
<u>Age Range:</u>			
▪ 0-4 yrs	0	0	0
▪ 5-18 yrs	0	0	0
▪ 19-24 yrs	0	0	0
▪ 25-49 yrs	0	0	0
▪ 50-64 yrs	0	0	0
▪ 65+ yrs	1	0	0

Deaths	0		0
Annual Seasonal Flu Case Totals			
2004	995		
2005	541		
2006	508		
2007	1401		
2008	738		
*2009	1,422		

* Based on patients with positive nucleic acid and viral culture test results reported to DERSS.

† Cumulative totals DOES NOT include week 39 data, due to the fact that week 40 beginnings the 2009-2010 Season.

§§ Confirmed Influenza cases from all reporting source (including State Lab)

NOTE: The data provided may not be a true reflection of the total number of people who have been infected with influenza virus (including H1N1) in Delaware primarily due to that fact that:

- Many people ill with influenza-like symptoms do not seek medical care
- Many who do seek medical care are not tested for influenza
- Due to delay in reporting (awaiting laboratory test results), case investigation and confirmation, data is preliminary and is subject to change as more reports are received and cases are confirmed. Cumulative totals may change from week to week and therefore might not be consistent with the number of newly reported **and confirmed cases.**

Level of Activity:

Widespread

Outbreaks of influenza or increases in Influenza-like illness (ILI) and recent laboratory confirmed influenza in at least half the regions of the state.

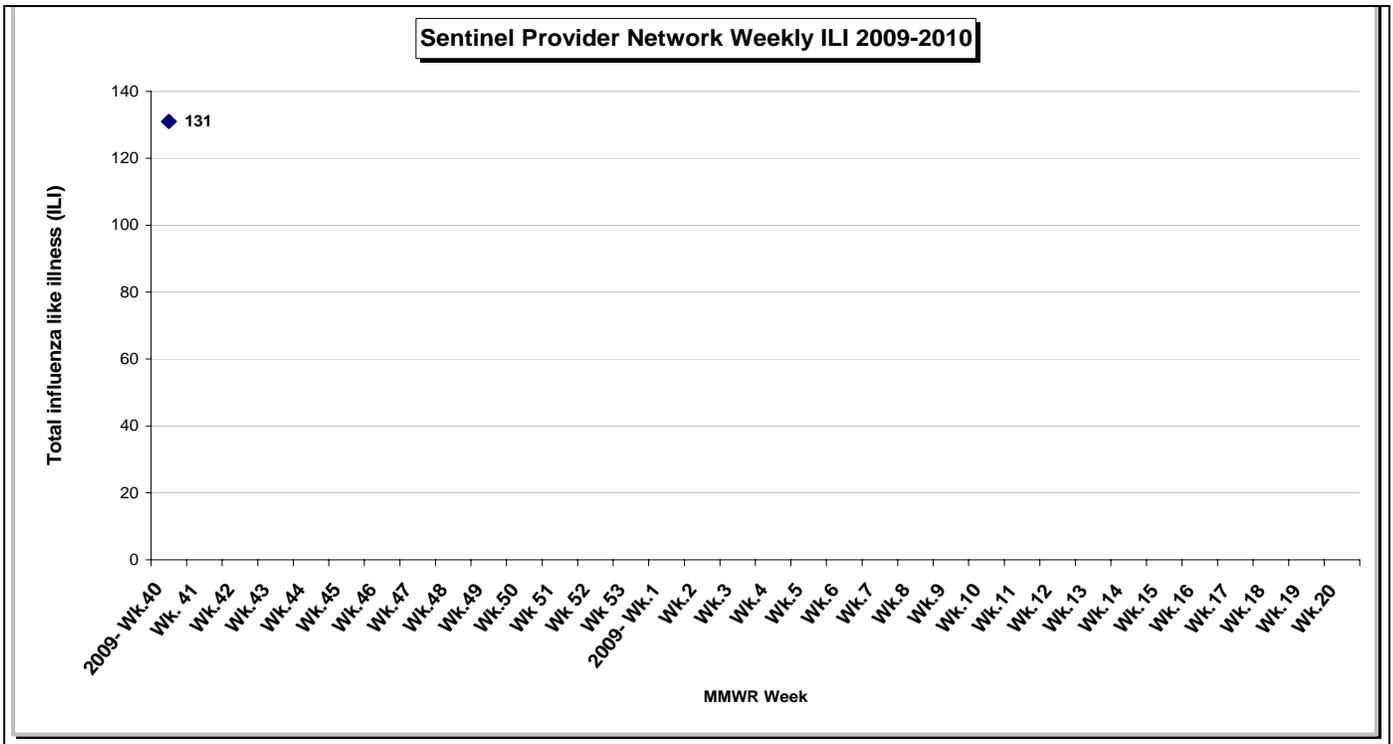
Influenza-like illness is defined as patients presenting with fever over 100° F, cough and/or sore throat in the absence of a known cause other than influenza.

- ◆ **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of ILI.
- ◆ **Sporadic:** Small numbers or isolated cases of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in ILI.
- ◆ **Local:** Outbreaks of influenza or increases in ILI and recent laboratory-confirmed influenza cases in a single region of the state.
- ◆ **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:** Outbreaks of influenza or increases in ILI and recent laboratory-confirmed influenza cases in at least half the regions of the state.

Sentinel Provider Surveillance Network:

An influenza 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 sentinel providers, in combination with other influenza surveillance data, provide a national and statewide picture of influenza virus and ILI activity in the U.S.

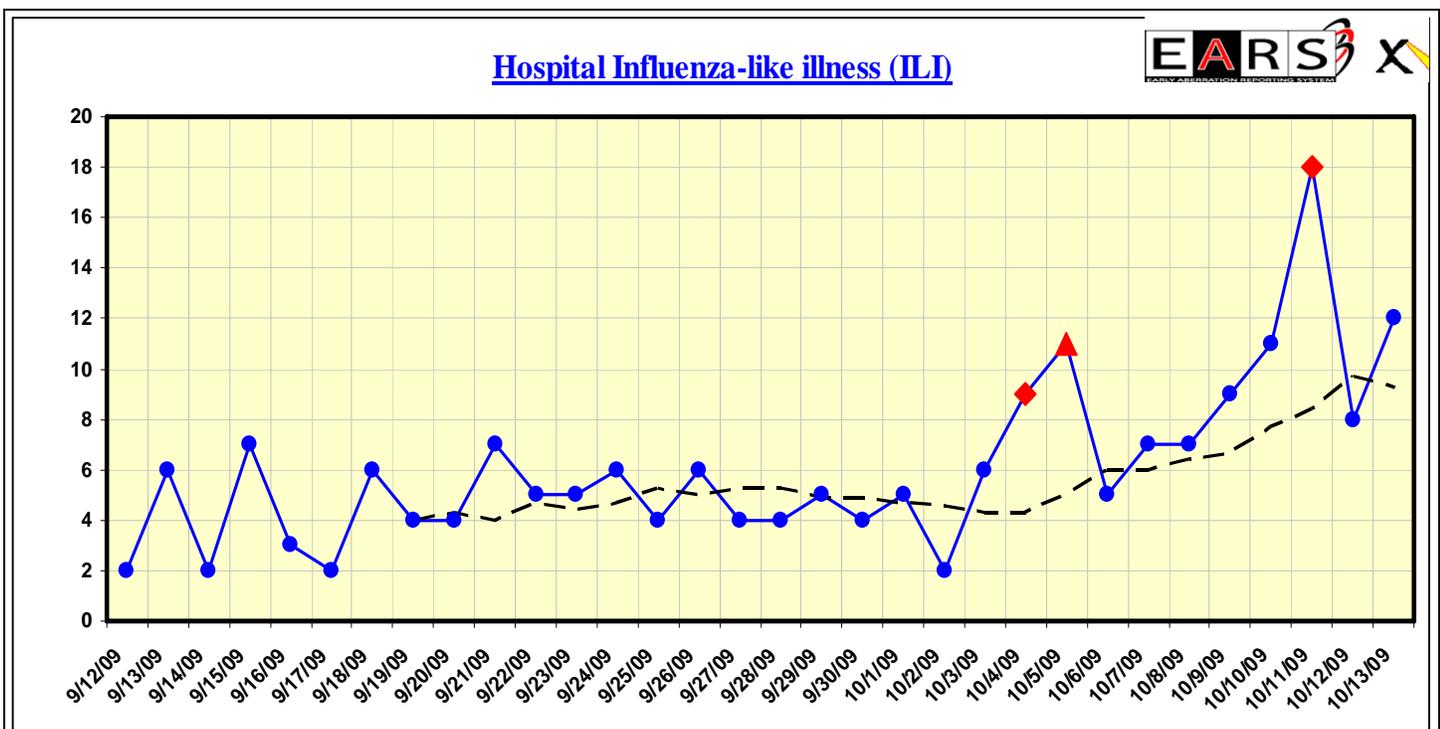
Influenza-like illness reported from Sentinel Providers-Delaware 2009-2010
 17 of 20 Sentinels reporting



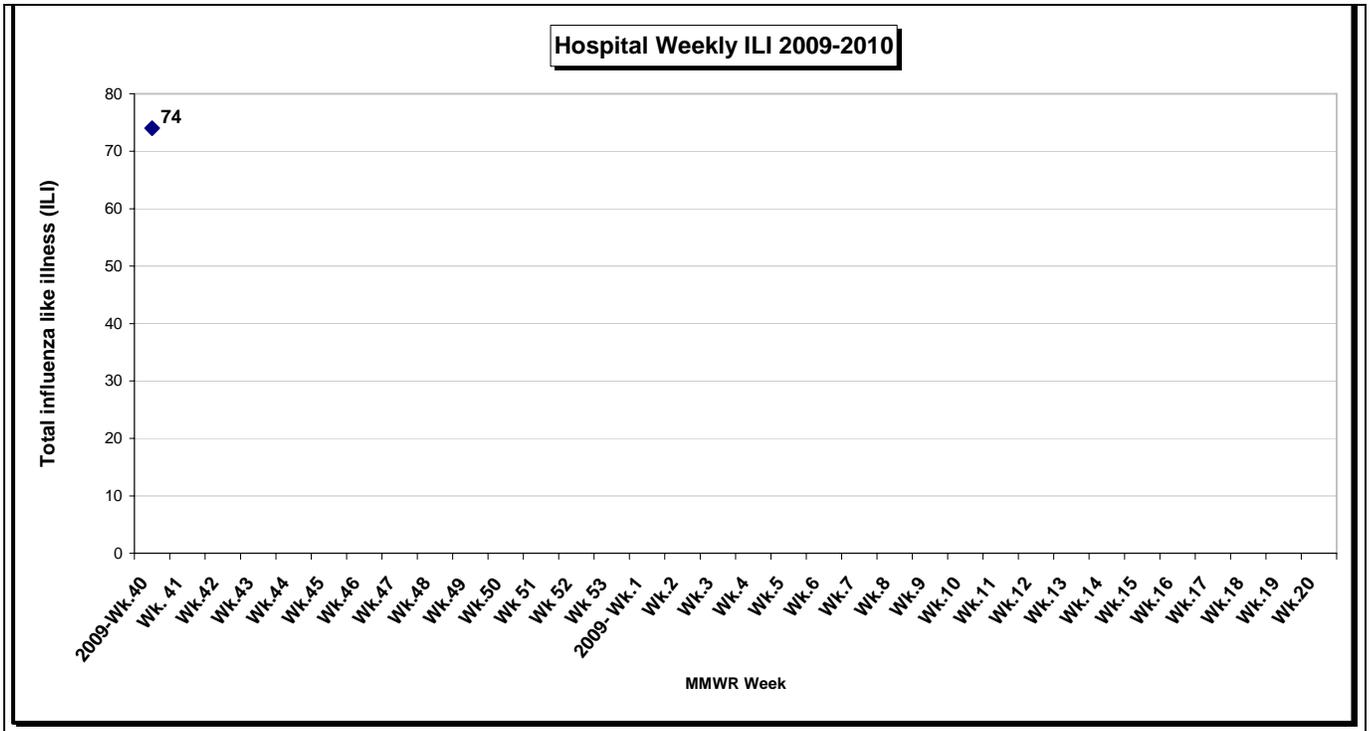
Hospital Electronic Surveillance Data-Delaware 2009-2010

5 of 5 Hospitals

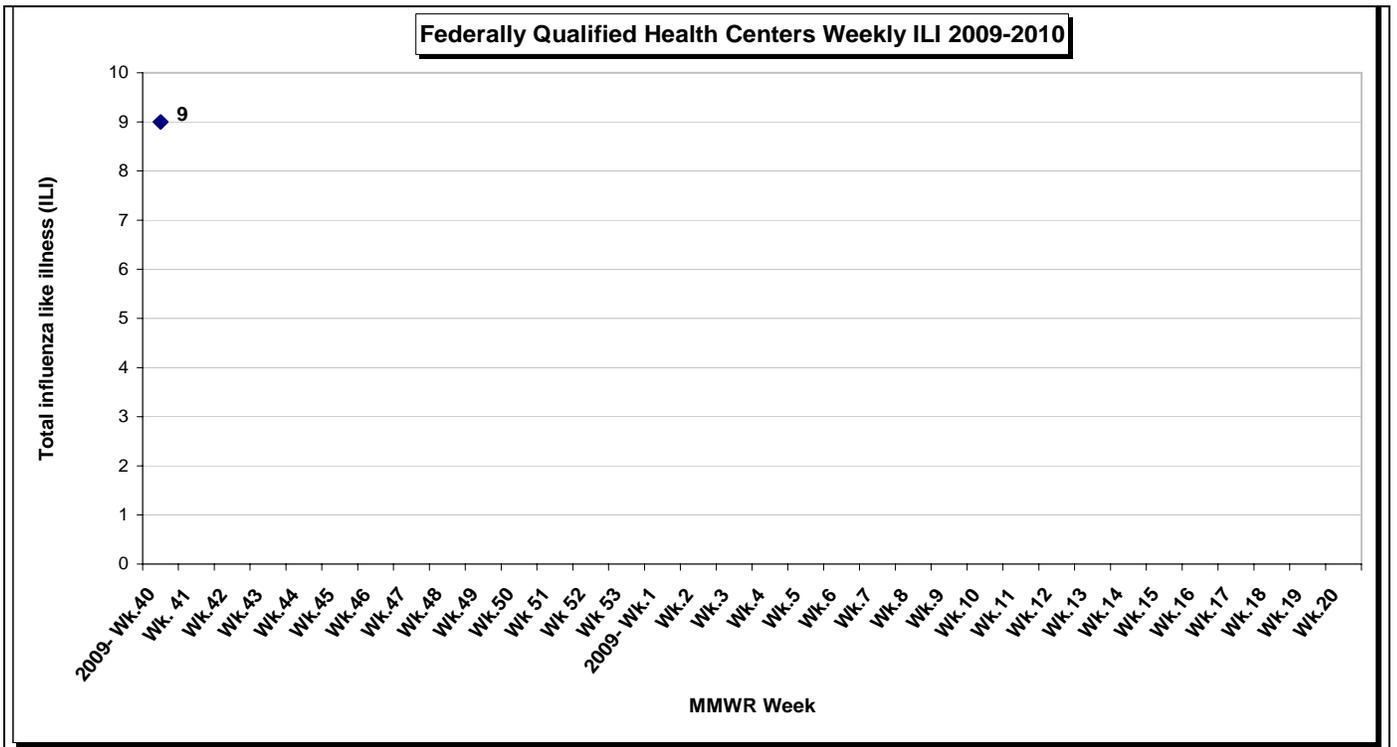
(Beebe, Christiana Care, Bayhealth Kent, Bayhealth Milford, Wilmington)



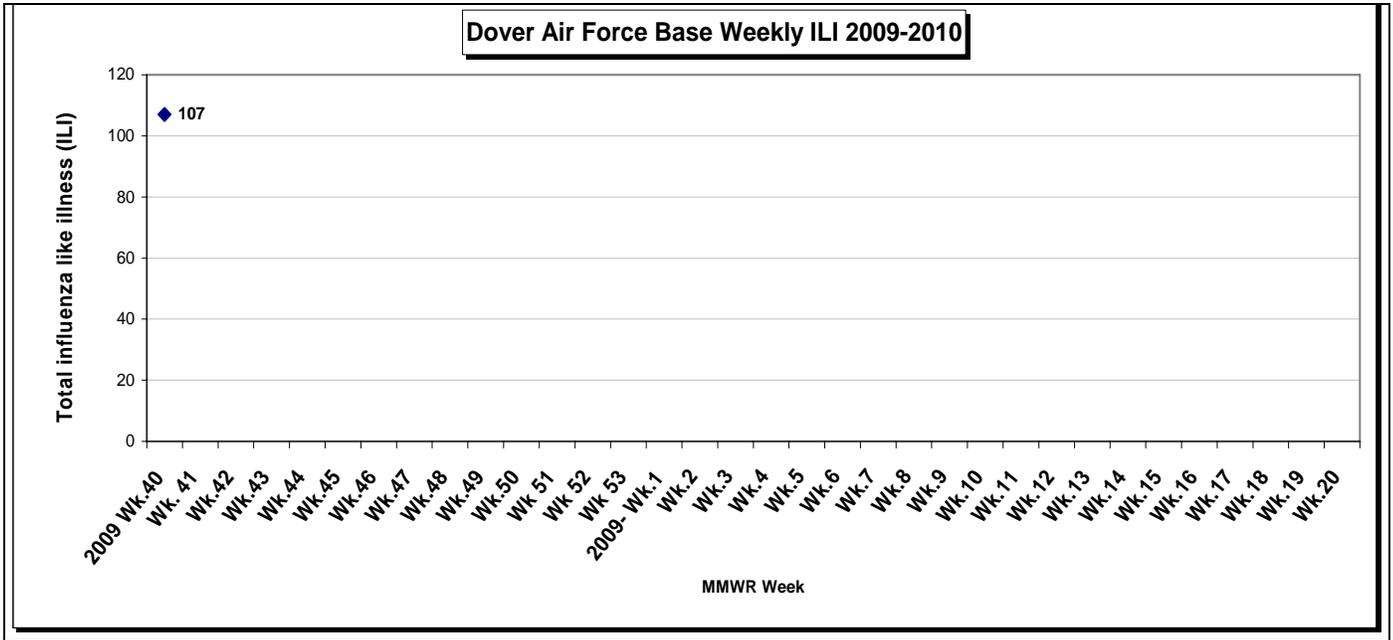
Hospital Paper Surveillance Data-Delaware 2009-2010
 3 of 3 hospitals reporting
 (A.I. DuPont, Nanticoke, St. Francis)



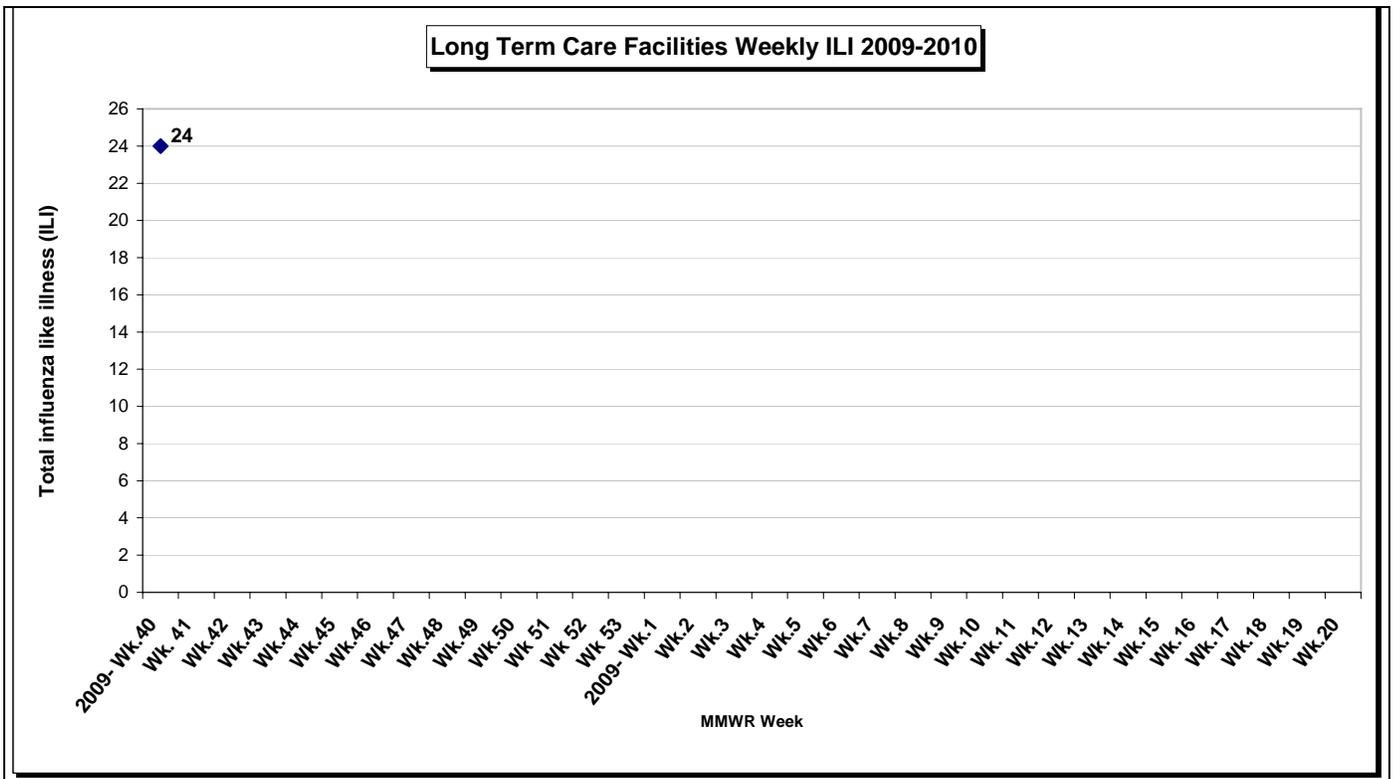
Influenza-like illness reported from Federally Qualified Health Centers (FQHC)-
 Delaware 2009-2010
 2 of 2 reporting
 (Henrietta Johnson Medical Center, LaRed Health Center)



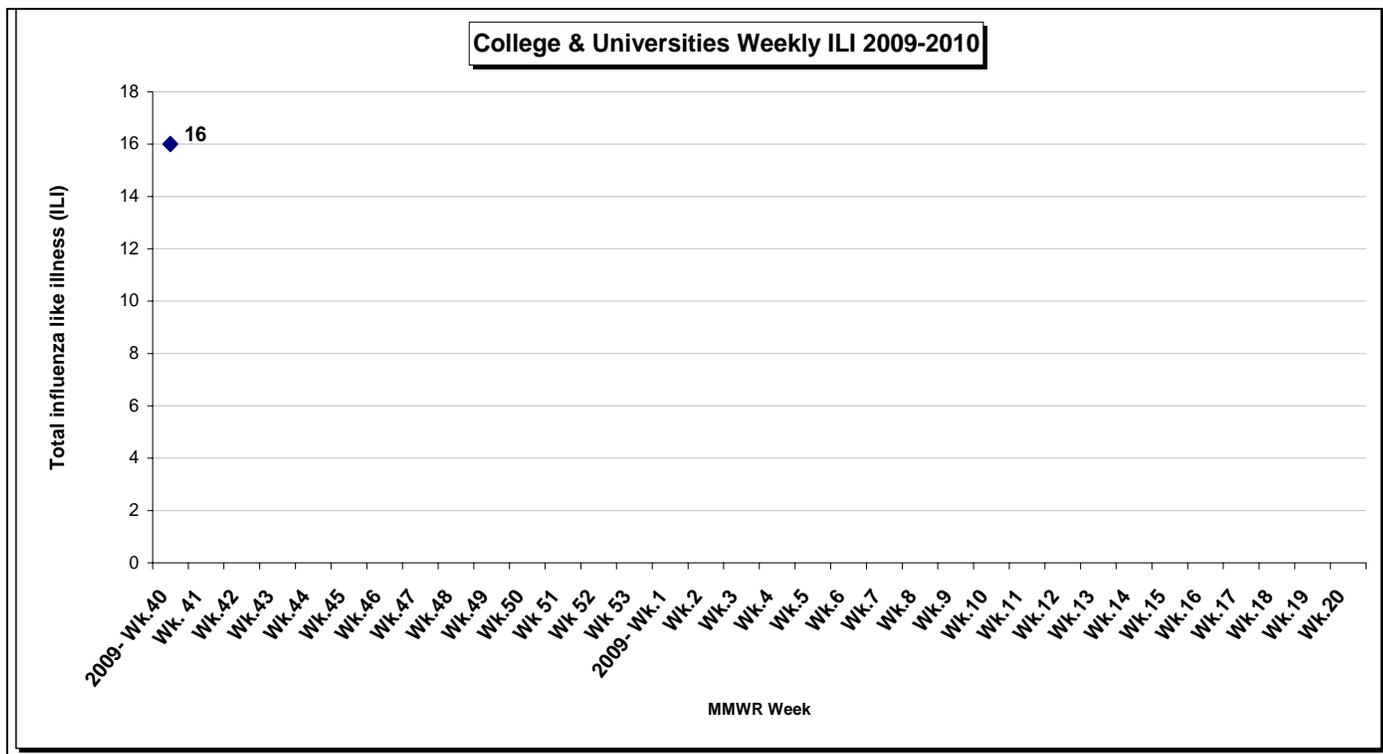
Influenza-like illness reported from Dover Air Force Base (DAFB)-Delaware 2009-2010
Active Duty & Dependents



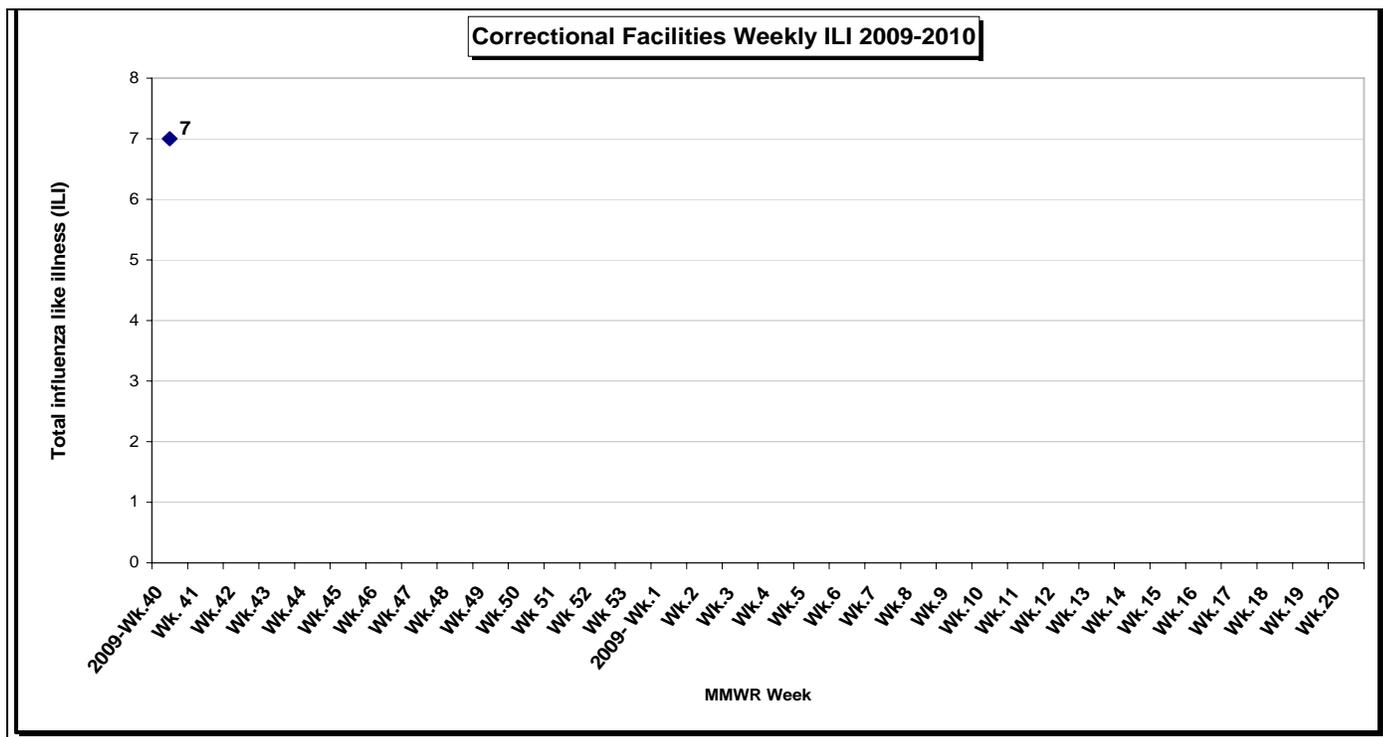
Influenza-like illness reported from Long-Term Care Facilities (LTC)-Delaware 2009-2010
14 of 14 facilities reporting



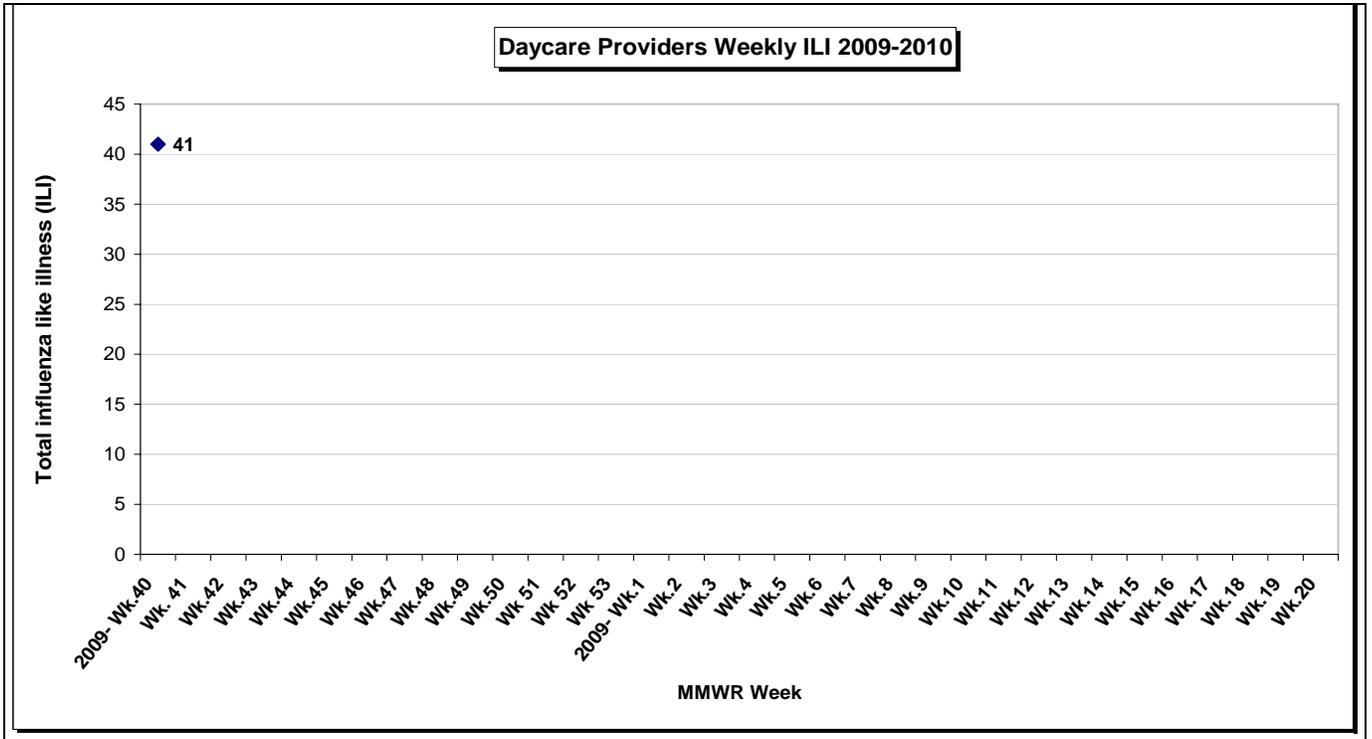
Influenza-like illness reported from Colleges/Universities-Delaware 2009-2010
 3 of 3 reporting
 (Delaware State, University of DE, Wesley College)

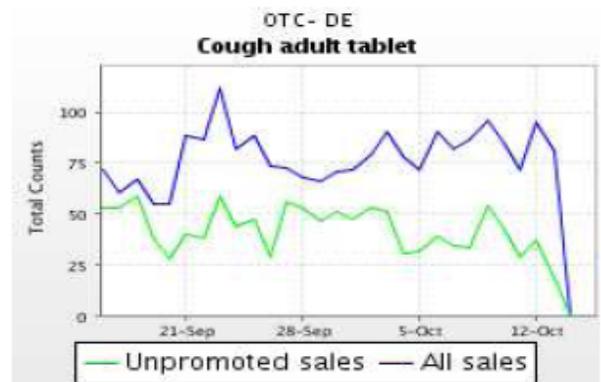
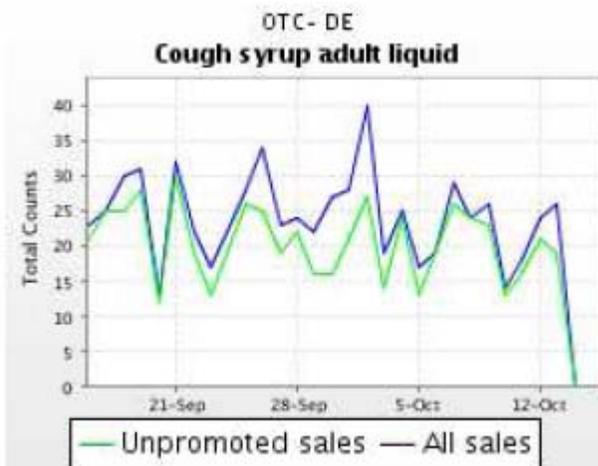
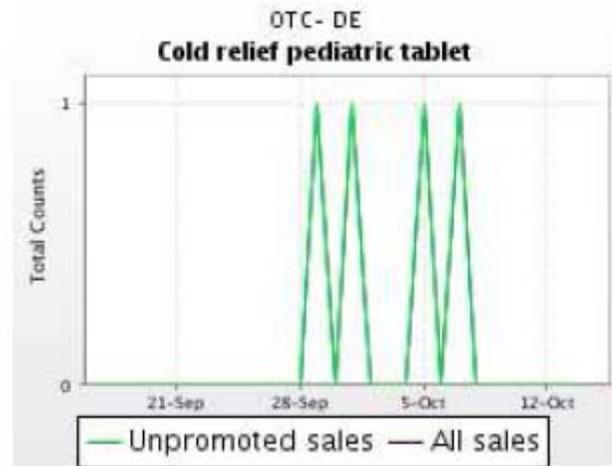
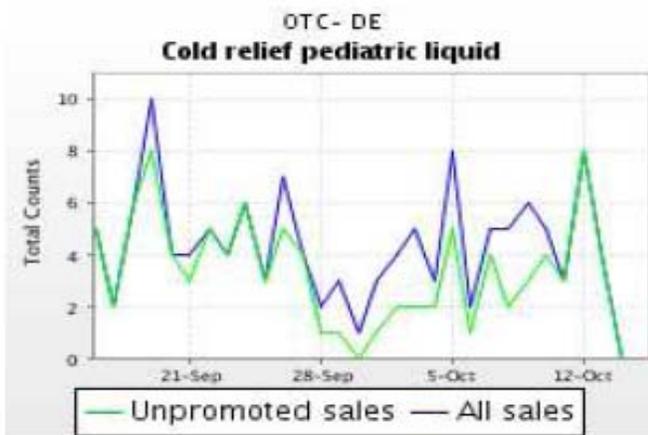
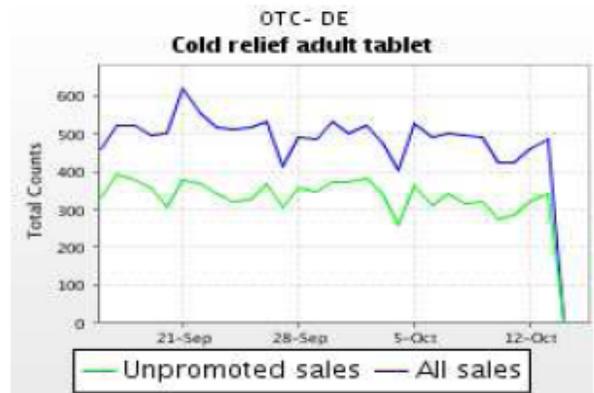
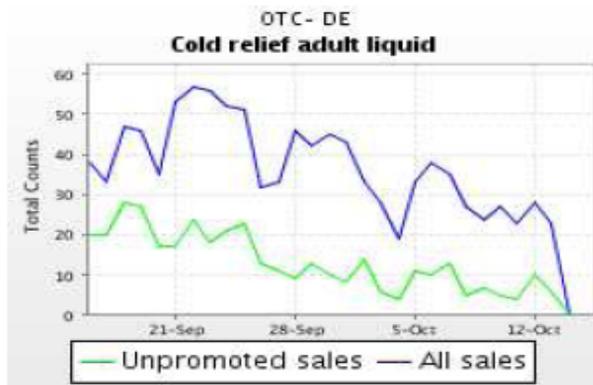


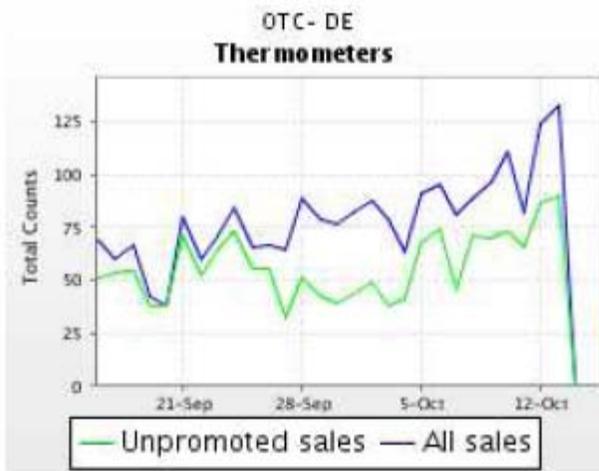
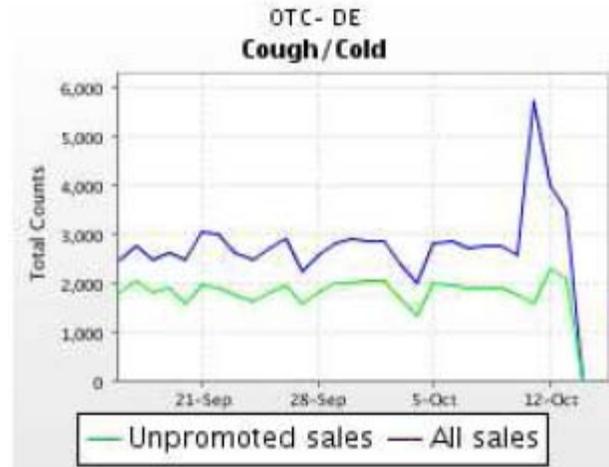
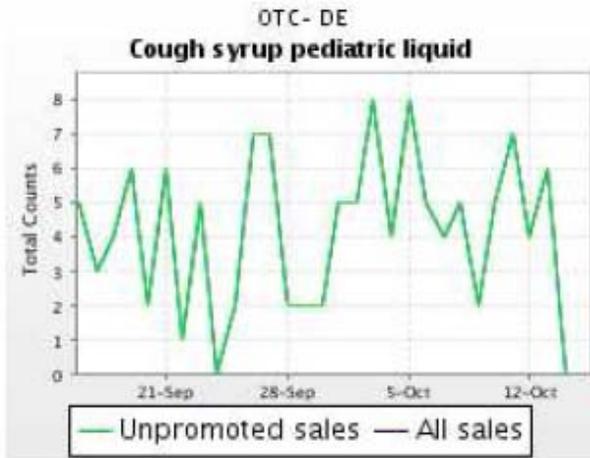
Influenza-like illness reported from DE Correctional Facilities-Delaware 2009-2010
 4 of 4 facilities reporting
 (Baylor, Howard Young, James T Vaughn, Sussex Correctional)



Influenza-like illness reported from Daycare Providers-Delaware 2009-2010
10 of 12 providers reporting







****91.8 % (135/147) Stores Reported for Sales Date 10/13/2009 as of 10/14/2009 12 PM**

***NOTE:** Data is preliminary and is subject to change as the number of reporting facilities varies from week to week.

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.