

**Ohio Seasonal Influenza and Influenza-like Illness Surveillance
2009-2010 Season, beginning August 30, 2009**

MMWR Week 39
September 27-October 3, 2009

Media Talking Points

Activity Level: **Widespread Activity**

- Definition: Increased ILI in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.

Summary: Public health surveillance data sources indicate increases in confirmed influenza-associated hospitalizations in the past few weeks, and the percentage of emergency department visits with patients exhibiting constitutional symptoms has increased for the seventh consecutive week.

Surveillance Data:

- Influenza-like Illness (ILI) Sentinel Providers reported 1.39% of patients had ILI signs and symptoms. Influenza-like Illness is defined as a fever ($\geq 100^{\circ}$ F), **and** cough and/or sore throat. Temperature can be measured in the physician's office or at home.
- Over-the-counter (OTC) sales experienced a statistically significant deviation from the expected in four regions.
- Emergency department visits experienced a statistically significant deviation from the expected in six regions.
- ODH lab has not reported any positive confirmed isolates (through 10/5/09).
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (1) influenza A/H1 (total through 10/5/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 10/5/09).
- No pediatric influenza-associated mortality reports have been made in the 2009-2010 season.
- Incidence of confirmed influenza-associated hospitalizations in 2009-2010 season: 149, of which 75 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza (as of 9/29/09).
- Incidence of year-to-date confirmed influenza-associated hospitalizations: 797, of which 149 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza. See Pandemic (H1N1) 2009-related hospitalizations graph (as of 10/6/09).
- Year-to-date confirmed Pandemic (H1N1) 2009 Influenza-related deaths: 4

National Surveillance Data:

- During week 38 (September 20-26, 2009), influenza activity remained elevated in the U.S.
- The proportion of outpatient visits for influenza-like illness (ILI) was above the national baseline. Regions 2 through 10 reported ILI above region-specific baseline levels. Ohio is in Region 5 (IL, IN, MI, MN, OH, WI).
- During week 38, 6.1% of all deaths reported through the 122-Cities Mortality Reporting System were due to pneumonia and influenza (P & I). This percentage was below the epidemic threshold of 6.4% for week 38.

Analysis Considerations:

- Influenza-associated hospitalization became a reportable condition on 1/1/09. Therefore, only cases that were entered after 1/1/09 will be considered for analysis purposes.

National activity levels and more information can be found at the following CDC pages:

- <http://www.cdc.gov/flu/weekly/usmap.htm>
- <http://www.cdc.gov/flu/>

If you have any further questions or comments about surveillance for seasonal influenza for the State of Ohio, please contact Shannon Page at Shannon.Page@odh.ohio.gov or by telephone at (614) 466-0456.

2009-10 Season Cumulative Influenza Results reported by ODH Lab by County*

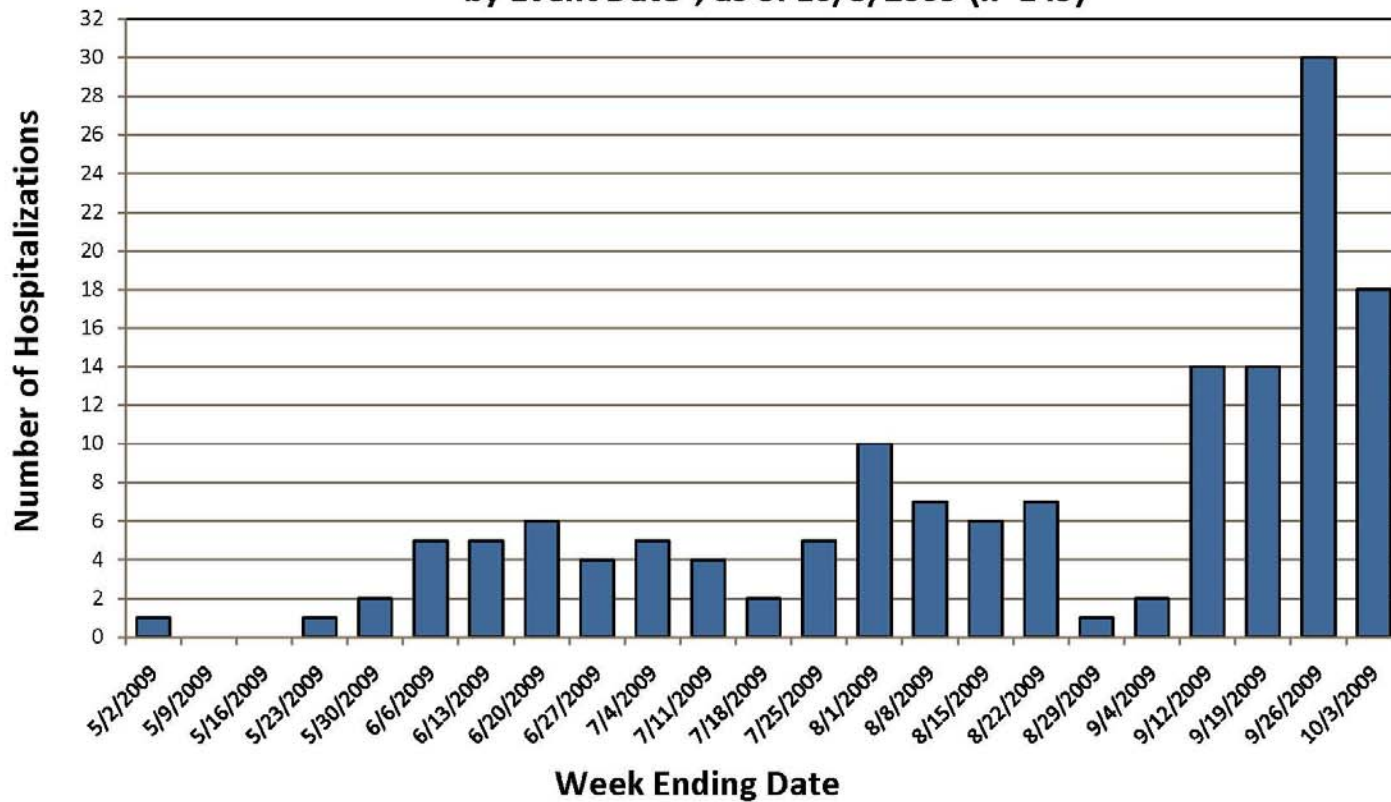
County		# Culture B	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Adams										
Allen								6		6
Ashland								3		3
Ashtabula										
Athens						2				2
Auglaize										
Brown						3				3
Butler						1		1		2
Champaign								3	1	4
Clark						4		2		6
Clermont								1		1
Columbiana						1		7		8
Crawford						10		9	2	21
Cuyahoga						11		10	2	23
Defiance						1		1	3	5
Delaware						1				1
Erie										
Fairfield										
Fayette								1		1
Franklin						40		100		140
Fulton						1		3		4
Gallia						4				4
Greene						3		2		5
Hamilton						3		1	3	7
Hancock								2		2

County	# Culture A/(H1N1)	# Culture B/Malaysia-like	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Richland								2	2	4
Ross						1		3	1	5
Sandusky										
Scioto										
Shelby								2		2
Stark								4		4
Summit						2		11		13
Trumbull										
Tuscarawas										
Union						1				1
Van Wert								1		1
Warren										
Washington								1		1
Wayne						1				1
Williams								4		4
Wood										
Wyandot						1				1
Out of State										
Unknown										
Season Totals			1			115		244	38	398

*Please note:

- Lab data is based on county of provider that submitted specimen.
- Data is from tests conducted at the ODH lab (commercial lab results are not included).
- Cases classified as 'Not a Case' may not have associated lab results.

**Confirmed Pandemic (H1N1) 2009 Influenza-related Hospitalizations,
by Event Date*, as of 10/3/2009 (n=149)**



Data Source: Ohio Disease Reporting System

*Event date is the first date associated with the case, usually date of illness onset.