

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

MMWR Week 40  
October 4-10, 2009

Media Talking Points

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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 2.50% 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 seven regions.
- Emergency department visits experienced a statistically significant deviation from the expected in seven regions.
- ODH lab has not reported any positive confirmed isolates (through 10/12/09).
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (1) influenza A/H1 (total through 10/12/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 10/12/09).
- Two pediatric influenza-associated mortality reports have been reported in the 2009-2010 season: one from Cuyahoga County, and one from Franklin County. Both of these mortalities had confirmed pandemic (H1N1) 2009 infection (through 10/12/09).
- Incidence of confirmed influenza-associated hospitalizations in 2009-2010 season: 290, of which 125 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza (as of 10/13/09).
- Incidence of year-to-date confirmed influenza-associated hospitalizations: 1018, of which 209 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza. See Pandemic (H1N1) 2009-related hospitalizations graph (as of 10/13/09).
- Year-to-date confirmed Pandemic (H1N1) 2009 Influenza-related deaths: 8

National Surveillance Data:

- During week 39 (September 27-October 3, 2009), influenza activity increased in the U.S.
- The proportion of outpatient visits for influenza-like illness (ILI) was above the national baseline. Regions 3 through 10 reported ILI above region-specific baseline levels. Ohio is in Region 5 (IL, IN, MI, MN, OH, WI).

- During week 39, 6.5% of all deaths reported through the 122-Cities Mortality Reporting System were due to pneumonia and influenza (P & I). This percentage was at the epidemic threshold of 6.5% for week 39.

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](mailto: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		3		5
Auglaize						1				1
Brown						3				3
Butler						1		1		2
Champaign								3	1	4
Clark						13		7		20
Clermont								1		1
Columbiana						3		9		12
Crawford						10		9	2	21
Cuyahoga						13		11	2	26
Defiance						1		1	3	5
Delaware						1		2		3
Erie										
Fairfield										
Fayette								1		1
Franklin						56		128		184
Fulton						1		3		4
Gallia						4				4
Greene						3		2		5
Hamilton						7		1	3	11
Hancock								2		2

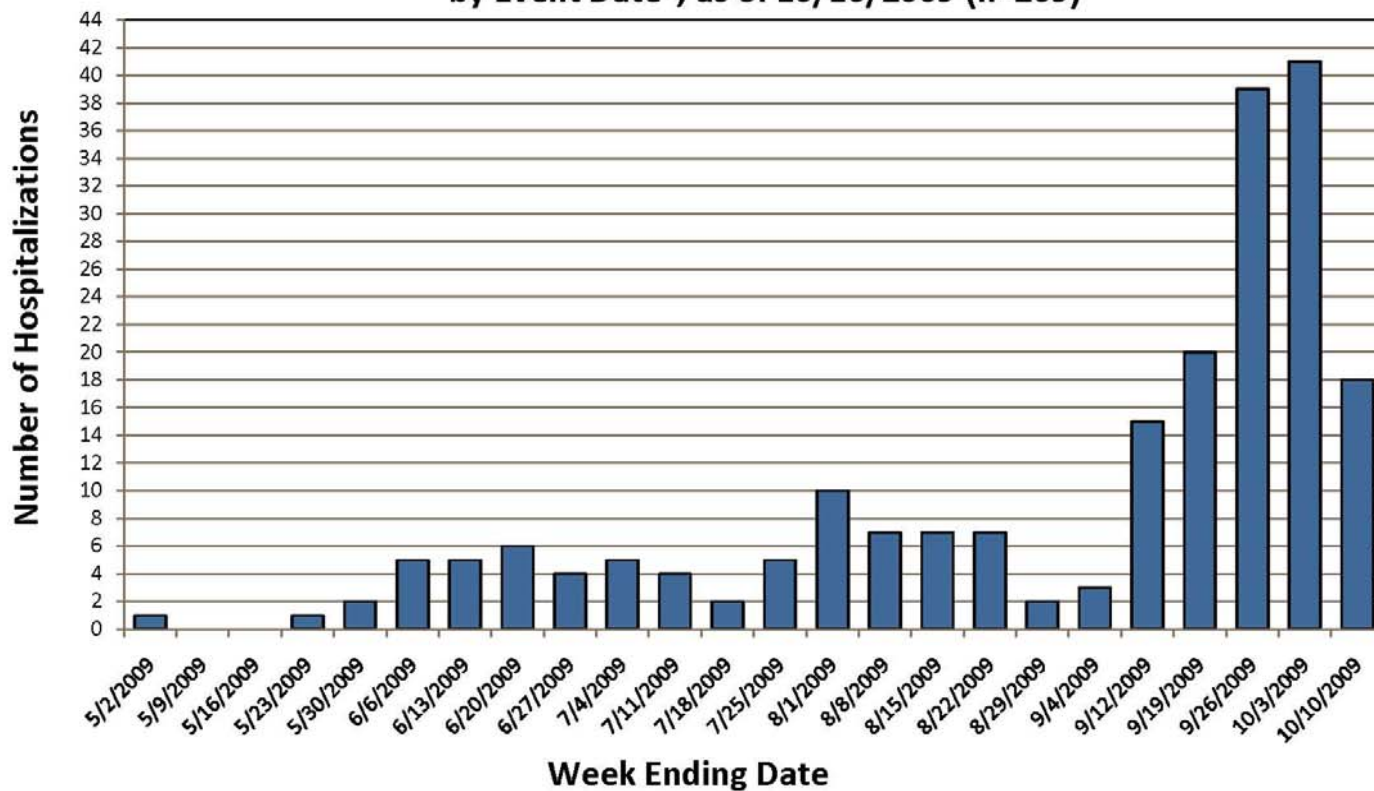


County	# Culture A/(H1N1)	# Culture B/Malaysia-like	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Richland								2	2	4
Ross						2		4	1	7
Sandusky										
Scioto										
Shelby								2		2
Stark								4		4
Summit						4		16		20
Trumbull										
Tuscarawas										
Union						2				2
Van Wert								1		1
Warren										
Washington								1		1
Wayne						1				1
Williams								4		4
Wood										
Wyandot						1				1
Out of State										
Unknown						2			1	3
<b>Season Totals</b>			<b>1</b>			<b>170</b>		<b>302</b>	<b>38</b>	<b>511</b>

\*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 10/10/2009 (n=209)**



Data Source: Ohio Disease Reporting System

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