

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

MMWR Week 44  
November 1-7, 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 continued elevated levels of confirmed influenza-associated hospitalizations and influenza-like illness from sentinel providers. The percentage of emergency department visits with patients exhibiting constitutional symptoms has decreased for the first time in ten weeks.

Surveillance Data:

- Influenza-like Illness (ILI) Sentinel Providers reported 5.39% 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 two regions.
- Emergency department visits experienced a statistically significant deviation from the expected in five regions.
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (1) influenza A/H1 (total through 11/9/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 11/9/09).
- Six confirmed influenza-associated pediatric mortality reports have been reported in the 2009-2010 season: one from Athens County, three from Cuyahoga County, one from Franklin County, and one from Warren County. Three of these mortalities had confirmed pandemic (H1N1) 2009 infection (through 11/10/09).
- Incidence of confirmed influenza-associated hospitalizations in 2009-2010 season: 2112, of which 925 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza (as of 11/10/09).
- Incidence of year-to-date confirmed influenza-associated hospitalizations: 2921, of which 1053 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza. See Pandemic (H1N1) 2009-related hospitalizations graph (as of 11/12/09).
- Year-to-date confirmed Pandemic (H1N1) 2009 Influenza-related deaths: 26

National Surveillance Data:

- During week 43 (October 25-31, 2009), influenza activity remained elevated in the U.S.
- Nationwide during week 43, 7.7% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This

percentage is above the national baseline of 2.3%. All 10 regions reported ILI above region-specific baseline levels.

- During week 43, 7.4% of all deaths reported through the 122-Cities Mortality Reporting System were due to pneumonia and influenza (P & I). This percentage was above the epidemic threshold of 6.7% for week 43. Including week 43, P & I mortality has been above threshold for five consecutive weeks.

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
Allen					21		15		36
Ashland							3		3
Ashtabula					2		1		3
Athens					7		3		10
Auglaize					10		3		13
Brown					3				3
Butler					2		1	1	4
Champaign							3	1	4
Clark					39		69	1	108
Clermont							4	1	5
Clinton					1				1
Columbiana					15		26	2	43
Coshocton					1				1
Crawford					12		9	2	23
Cuyahoga					205		59	5	269
Darke							3		3
Defiance					1		2	3	6
Delaware					8		5	1	14
Erie					6		1		7
Fairfield					5		5		10
Fayette							1		1
Franklin					118		242	1	361
Fulton					5		3		8
Gallia					4		1		5
Greene					6		2		8
Guernsey					1				1

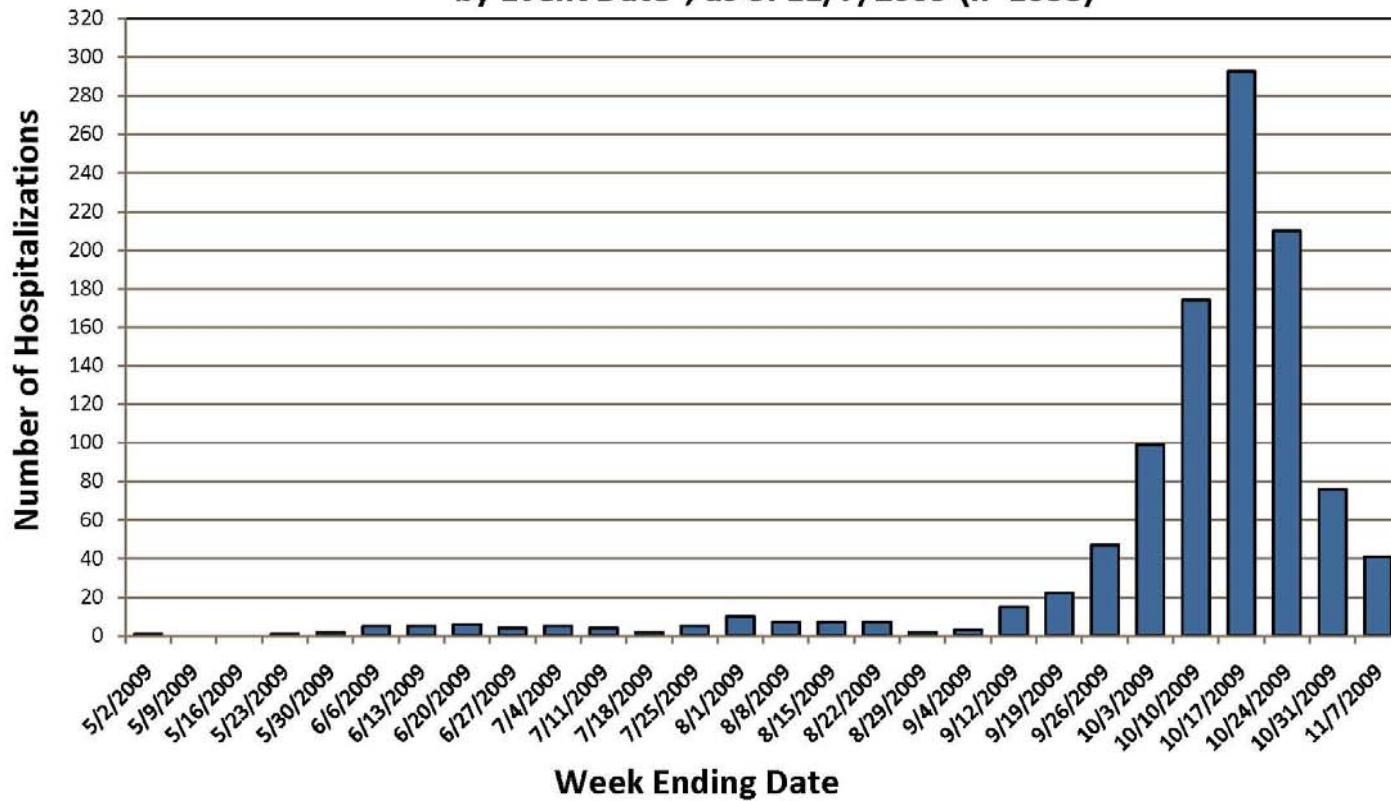
County	# Culture A/(H1N1)	# Culture B/Malaysia-like	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Hamilton						21		4	4	29
Hancock								6		6
Harrison										
Henry						3		3		6
Hocking						40		3	1	44
Holmes								1		1
Huron						4		2		6
Jackson						1		2	1	4
Jefferson						3		5		8
Knox						1		2		3
Lake								1	1	2
Lawrence										
Licking						3		4	2	9
Logan						2		2		4
Lorain						12		3		15
Lucas			1			63		66	24	154
Madison						1		1		2
Mahoning						30		11		41
Marion						7		10		17
Medina						3		2		5
Meigs						1				1
Mercer						1		2		3
Miami										
Montgomery						41		48	1	90
Muskingum						3		1		4
Ottawa								1		1
Pickaway						2				2
County	# Culture	# Culture	# PCR	# PCR	# PCR B	# PCR	# Culture No Virus	# PCR Not	# Test not	Total

	A/(H1N1)	B/Malaysia-like	Seasonal A/(H1)	Seasonal A/(H3)		Pandemic A/(H1)	Isolated/Recovered	Detected	Performed	
Portage						4		2		6
Putnam										
Richland						5		6	2	13
Ross						13		15	2	30
Sandusky						2			1	3
Scioto						4				4
Seneca						1				1
Shelby								3	1	4
Stark						24		12	4	40
Summit						26		57		83
Trumbull						4				4
Tuscarawas						2		3		5
Union						4		1	1	6
Van Wert								1		1
Washington						10		2		12
Wayne						1				1
Williams						1		5		6
Wood								1		1
Wyandot						1		1		2
Unknown						2			1	3
<b>Season Totals</b>			<b>1</b>			<b>818</b>		<b>750</b>	<b>64</b>	<b>1633</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 11/7/2009 (n=1053)**



Data Source: Ohio Disease Reporting System, data pulled 11/12/09 at 2:30 pm  
\*Event date is the first date associated with the case, usually date of illness onset.