

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

MMWR Week 46  
November 15-21, 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 continued elevated levels of confirmed influenza-associated hospitalizations and influenza-like illness from sentinel providers not typical for this time of year, although these levels are decreasing. The percentage of emergency department visits with patients exhibiting constitutional symptoms has decreased for the fourth consecutive week.

Surveillance Data:

- Influenza-like Illness (ILI) Sentinel Providers reported 2.12% 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 four regions.
- ODH lab reported results for those cases that are PCR positive for seasonal influenza. Positive results: (1) influenza A/H1, (1) influenza A/H3 (total through 11/23/09).
- Results obtained from pandemic influenza A H1N1 testing conducted at the ODH laboratory are now included in the chart below (total through 11/23/09).
- Seven confirmed influenza-associated pediatric mortality reports have been reported in the 2009-2010 season: one from Athens County, three from Cuyahoga County, two from Franklin County, and one from Warren County. Three of these mortalities had confirmed pandemic (H1N1) 2009 infection (through 11/25/09).
- Incidence of confirmed influenza-associated hospitalizations in 2009-2010 season: 2754, of which 1226 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza (as of 11/24/09).
- Incidence of year-to-date confirmed influenza-associated hospitalizations: 3447, of which 1341 are laboratory confirmed as Pandemic (H1N1) 2009 Influenza. See Pandemic (H1N1) 2009-related hospitalizations graph (as of 11/25/09).
- Year-to-date confirmed Pandemic (H1N1) 2009 Influenza-related deaths among hospitalized patients: 34
- Cumulative influenza and pneumonia (P & I) deaths reported via the Electronic Death Registration System (EDRS): 1462, of which 73 are presumed to be influenza.

National Surveillance Data:

- During week 45 (November 8-14, 2009), influenza activity decreased slightly in the U.S.

- Nationwide during week 45, 5.5% 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 44, 7.5% 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 6.9% for week 45. Including week 45, P & I mortality has been above threshold for seven 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		21	1	44
Ashland					2		3		5
Ashtabula					4		1		5
Athens					7		3		10
Auglaize					13		4		17
Brown					3				3
Butler					2		1	5	8
Champaign							3	1	4
Clark					46		96	2	144
Clermont							5	2	7
Clinton					1				1
Columbiana					23		35	9	67
Coshocton					1				1
Crawford					12		9	2	23
Cuyahoga					285		71	47	403
Darke							3		3
Defiance					1		2	3	6
Delaware			1		10		7	4	22
Erie					8		3		11
Fairfield					7		5		12
Fayette							1		1
Franklin					129		260	1	390
Fulton					5		3		8
Gallia					4		1		5
Greene					6		4	1	11
Guernsey					4				4

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						27		5	17	49
Hancock								7		7
Harrison										
Henry						3		3		6
Highland						1				1
Hocking						60		5	1	66
Holmes								1		1
Huron						4		2		6
Jackson						1		2	1	4
Jefferson						9		8		17
Knox						1		2		3
Lake								1	1	2
Lawrence										
Licking						5		7	2	14
Logan						2		3		5
Lorain						18		3	1	22
Lucas			1			95		70	24	190
Madison						1		1		2
Mahoning						43		17	4	64
Marion						7		13		20
Medina						6		2		8
Meigs						1				1
Mercer						1		2		3
Miami										
Montgomery						48		54	2	104
Muskingum						4		1		5
Ottawa								1		1
Pickaway						3				3

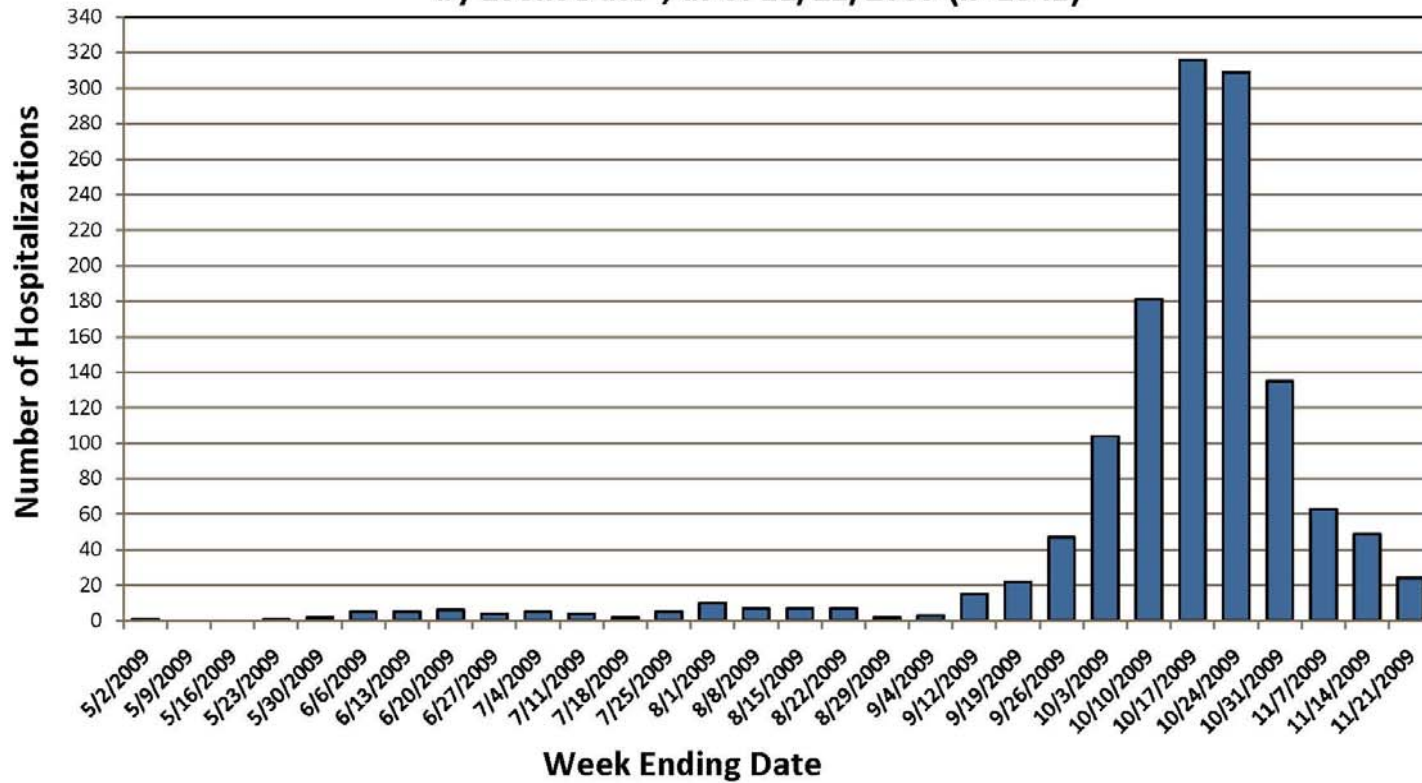
County	# Culture A/(H1N1)	# Culture B/Malaysia-like	# PCR Seasonal A/(H1)	# PCR Seasonal A/(H3)	# PCR B	# PCR Pandemic A/(H1)	# Culture No Virus Isolated/Recovered	# PCR Not Detected	# Test not Performed	Total
Portage						6		4	1	11
Putnam										
Richland						8		6	3	17
Ross						14		18	3	35
Sandusky						3		2	2	7
Scioto						5				5
Seneca						2				2
Shelby								3	2	5
Stark						41		16	6	63
Summit						29		70		99
Trumbull						7				7
Tuscarawas						4		4		8
Union						4		3	1	8
Van Wert								1		1
Vinton						1				1
Washington						11		2		13
Wayne						1				1
Williams						3		7		10
Wood								1		1
Wyandot						1		1		2
Unknown						3		2	1	6
<b>Season Totals</b>			<b>1</b>	<b>1</b>		<b>1077</b>		<b>889</b>	<b>149</b>	<b>2117</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 11/21/2009 (n=1341)**



Data Source: Ohio Disease Reporting System, data pulled 11/25/09 at 12:30 pm  
\*Event date is the first date associated with the case, usually date of illness onset.