

Sentinel Provider Influenza-Like Illness (ILI) Surveillance Summary For the Week of February 21-27, 2010 (Week 08)

Summary for	# Providers reporting	Total Providers	Total Regional ILI	Total Regional Patients	% ILI	Comparison to State*
Chattanooga-Hamilton County	4	5	1	642	0.2%	lower
East Tennessee Region	6	7	25	2296	1.1%	
Jackson-Madison County	1	1	14	1020	1.4%	
Knoxville-Knox County	3	4	6	885	0.7%	
Mid-Cumberland Region	8	12	27	1181	2.3%	higher
Memphis-Shelby County	3	9	2	268	0.7%	
Nashville-Davidson County	5	6	49	1831	2.7%	higher
Northeast Region	1	3	1	267	0.4%	
South Central Region	3	3	0	292	0.0%	
Southeast Region	2	5	6	706	0.8%	
Sullivan County	1	2	0	300	0.0%	
Upper Cumberland Region	5	5	6	1134	0.5%	lower
West Tennessee Region	6	6	0	523	0.0%	lower
State of Tennessee	48	68	137	11345	1.21%	

The percentage of patients with ILI reported by the TN SPN in Week 8 increased to 1.21% as compared to 0.96% reported in Week 7. Of 50 specimens tested, 9 (18.0%) were positive by PCR for influenza virus; 100% were subtyped as H1N1. ILI is defined as fever > 100°F (37.8°C) plus cough and/or sore throat, in the absence of a known cause (other than influenza). Classification of ILI is based upon symptoms only and does not require any test. The SPN Protocol (eff. Sept 1, 2009): SPs report ILI by the end of Tuesday following the end of the reporting week; collect and ship specimens from ILI cases on Mondays, Tuesdays and Wednesdays (maximum 10/wk) using the SPN Specimen Collection Form dated 8/21/09. Complete the lab supply order form to receive new specimen collection supplies.

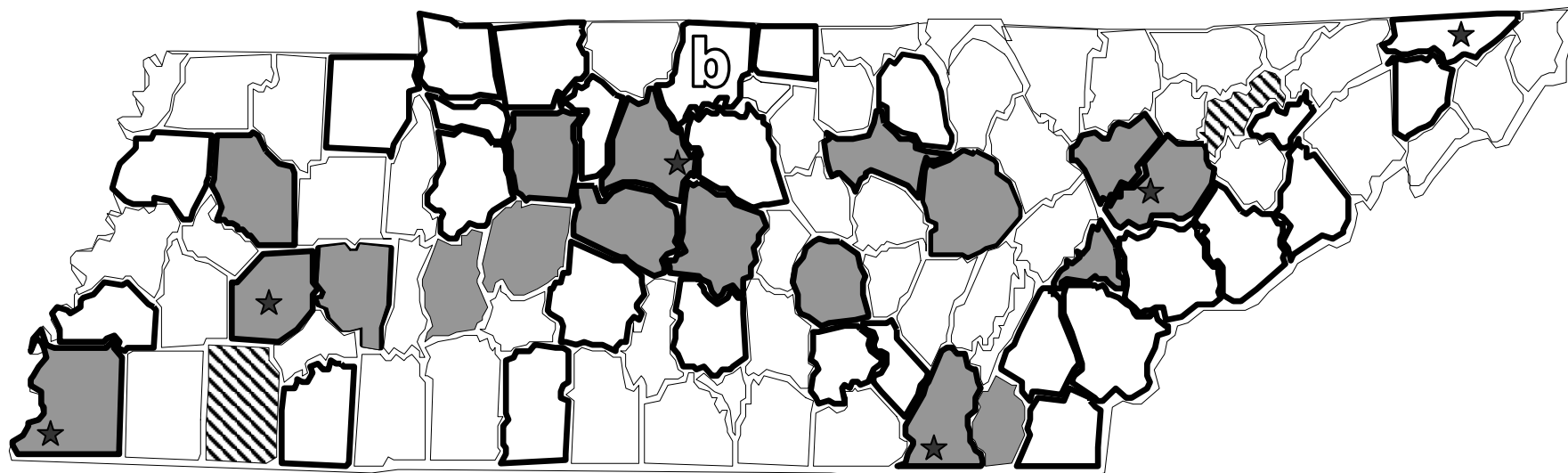
The CDC reports that the percentage of patients visiting outpatient healthcare providers in the Sentinel Provider Network (SPN) with influenza-like-illness (ILI) when influenza viruses are not circulating is expected to fall at or below a specific SPN baseline [nationwide = 2.2%, East South Central region (AL, TN, MS, KY) = 2.4%]. When the percentage of patients with ILI exceeds this baseline, this suggests that influenza viruses may be circulating.

*The percentage of influenza-like-illness patients seen in each region is compared to the statewide average. Regions with percentages statistically-significantly different from the state average are noted as "higher" or "lower."


Influenza confirmed by culture or PCR in Tennessee from specimens collected by any source within the past 6 weeks.

January 17, 2010 to February 27, 2010

- Strains are reported by county of case residence or, if unknown, county where the specimen was collected.
- Counties where influenza sentinel providers are located are identified with bold boundary lines.
- Stars marks counties with large metropolitan populations (Memphis, Jackson, Nashville, Chattanooga, Knoxville, and the Tri-Cities area)
- Novel 2009 H1N1 results are for confirmed cases identified by PCR testing; counties with their first Novel 2009 H1N1 positive result in the past 6 weeks are indicated by diagonal striping.



 Pandemic A (H1N1)

 1st Pandemic A (H1N1) in past 6 weeks

 Seasonal A (H1)

 Seasonal A(H3)

 Seasonal B

TENNESSEE SENTINEL PROVIDER NETWORK

