

## Sentinel Provider Influenza-Like Illness (ILI) Surveillance Summary For the Week of February 7-13, 2010 (Week 06)

Summary for	# Providers reporting	Total Providers	Total Regional ILI	Total Regional Patients	% ILI	Comparison to State*
Chattanooga-Hamilton County	5	5	0	654	0.0%	lower
East Tennessee Region	5	7	9	1815	0.5%	lower
Jackson-Madison County	1	1	18	824	2.2%	
Knoxville-Knox County	1	4	6	141	4.3%	higher
Mid-Cumberland Region	7	12	23	1007	2.3%	higher
Memphis-Shelby County	4	9	1	597	0.2%	lower
Nashville-Davidson County	5	6	63	1665	3.8%	higher
Northeast Region	2	3	3	256	1.2%	
South Central Region	3	3	0	198	0.0%	
Southeast Region	2	5	3	370	0.8%	
Sullivan County	2	2	2	468	0.4%	
Upper Cumberland Region	4	5	3	621	0.5%	lower
West Tennessee Region	4	6	3	350	0.9%	
State of Tennessee	45	68	134	8966	1.49%	

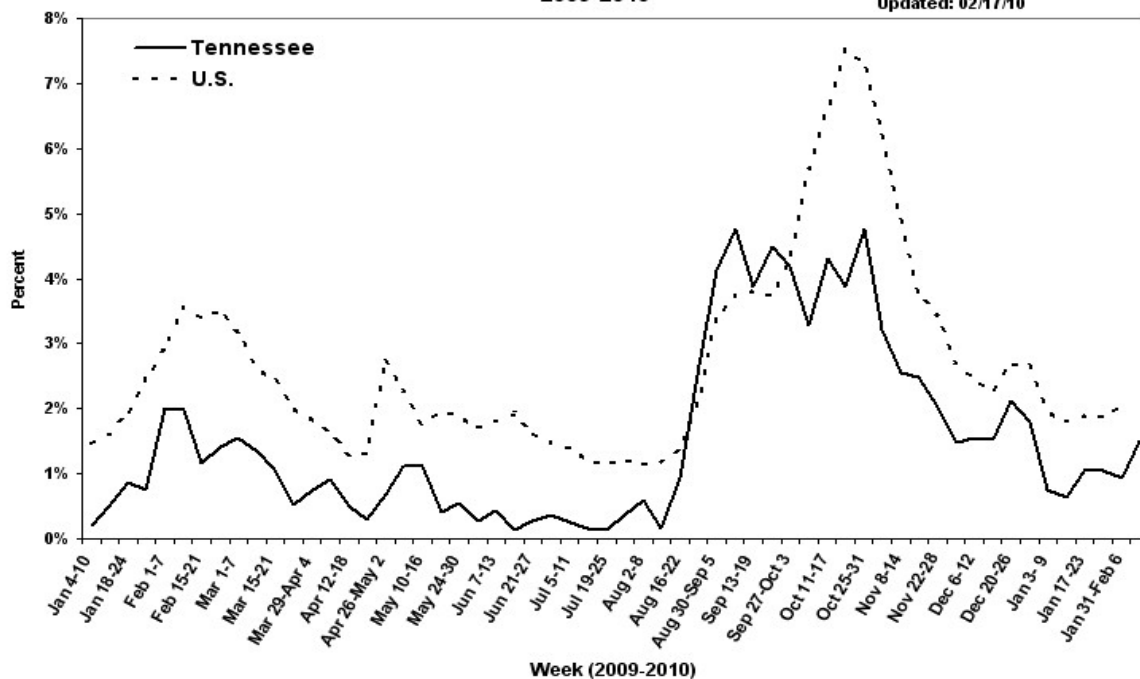
*The percentage of patients with ILI reported by the TN SPN in Week 6 increased to 1.49% as compared to 0.93% reported in Week 5. Of 43 specimens tested, 9 (20.9%) were positive by PCR for influenza virus; 7 (or 77.8%) were subtyped as H1N1 and 2 (22.2%) were seasonal B. ILI is defined as fever > 100°F (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.*

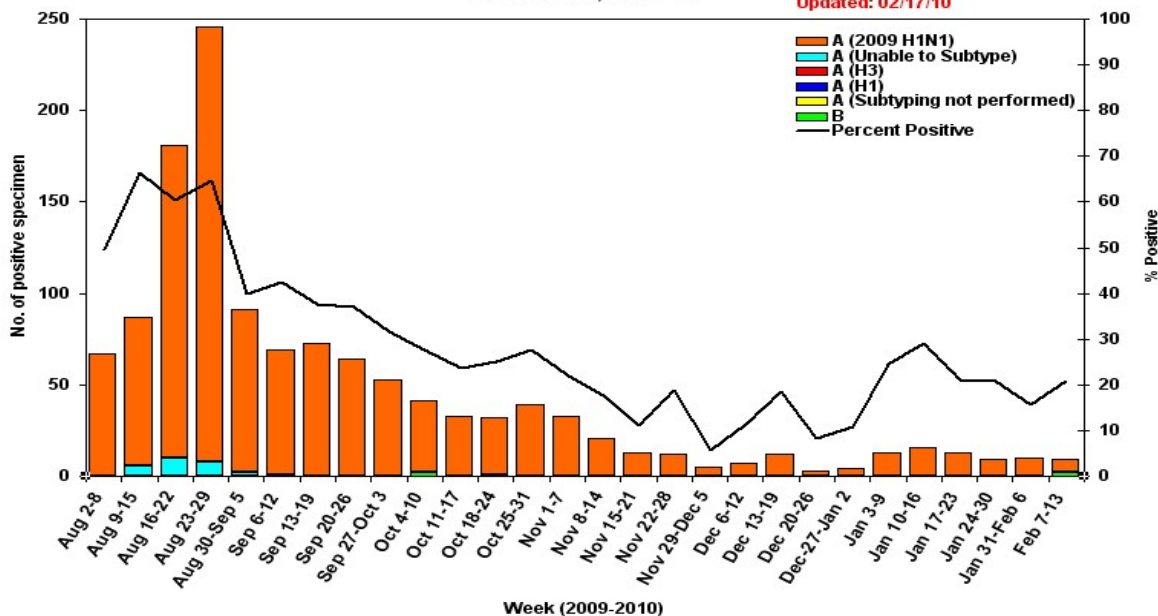
The CDC reports that the percentage of patients visiting outpatient healthcare providers in the Sentinel Provider Network (SPN) with influenza-like-illness (ILI) when influenza viruses are not circulating is expected to fall at or below a specific SPN baseline [nationwide = 2.2%, East South Central region (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."

Percentage of Outpatient Visits Reported by the U.S. and Tennessee Outpatient Influenza-like Illness Surveillance Network (ILINet) as Influenza-like Illness, 2009-2010 Updated: 02/17/10



Influenza Positive Tests Submitted to TN Dept. of Health Laboratory Services, Tennessee, 2009-10 Updated: 02/17/10



State Public Health Laboratory

Influenza PCR - specimens from all sources

Month 2009	Report Week	# Rec'd	Pan H1N1	A (H1)	A (H3)	B
	50	65	12	0	0	0
	51	36	3	0	0	0
	52	37	4	0	0	0
Jan.	1	53	13	0	0	0
	2	55	16	0	0	0
	3	35	4	0	0	0
	4	28	8	0	0	0
Feb	5	61	10	0	0	0
	6	43	7	0	0	2

Laboratory testing is done specifically for Seasonal A (H1) A(H3) & B virus subtypes, in addition to Pandemic A (H1). Non-subtyped and non-subtypable results are no longer reported in this chart or on the state map.

All Sentinel Provider specimens MUST now be accompanied by the SPN Influenza Submission form dated 8/21/2009, or testing will not be done.

This table shows all specimens tested by the State Lab. The state lab policy for influenza testing is at <http://health.state.tn.us/H1N1.htm#hcp>.

Important Information

[www.cdc.gov](http://www.cdc.gov) AND <http://health.state.tn.us/H1N1.htm>

Submit weekly reports to: <http://www2a.cdc.gov/ilinet/> or Fax 888-232-1322

State Lab:

• Susan McCool 615-262-6351

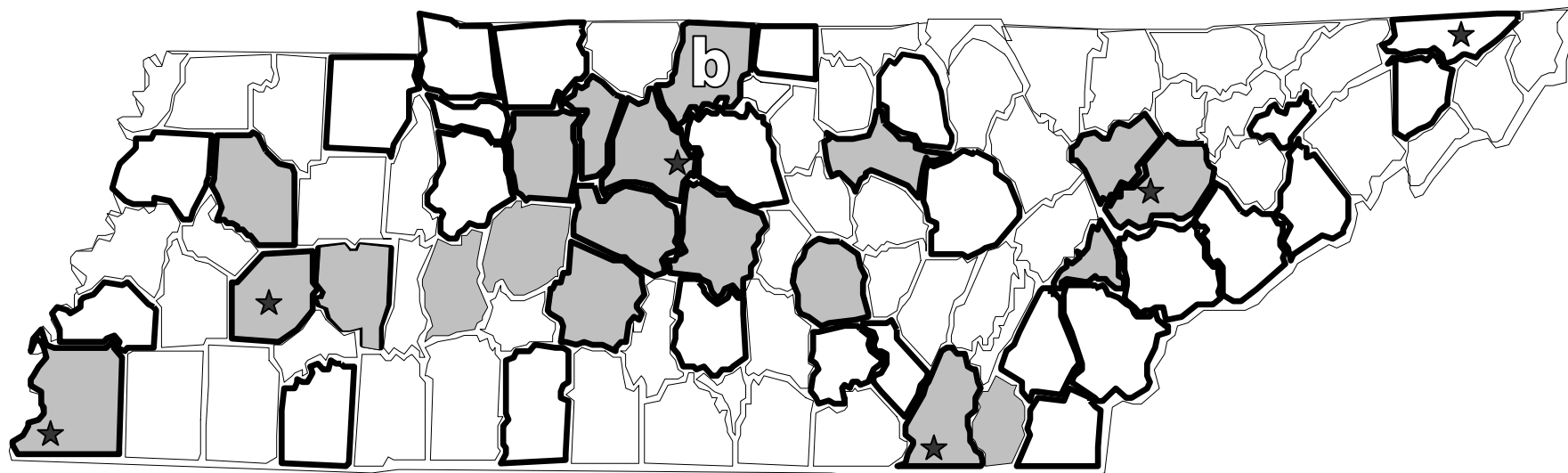
SPN Questions:

• Regional SPN Coordinator (see map)  
 • Robb Garman or Robert Taylor 800-404-3006 or 615-741-7247


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

January 3, 2010 to February 13, 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)

 1<sup>st</sup> Pandemic A (H1N1) in past 6 weeks

 Seasonal A (H1)

 Seasonal A(H3)

 Seasonal B

# TENNESSEE SENTINEL PROVIDER NETWORK

