

Join the Sentinels Provider Network!

- Want to impact state, national, and global influenza data?
Join Tennessee's Sentinel Provider Network!!

- Tennessee's SPN helps to:
 - Track geographic spread and intensity of seasonal influenza virus
 - Detect the emergence of novel influenza viruses or of antiviral resistance in circulating viral strains
 - Select future vaccine strains by providing data

- What's required?
 - Weekly reporting of the number of patients seen with influenza-like illness
 - Specimen submission for virologic surveillance

Interested? Contact Cassandra.Jones@tn.gov



Sentinel Provider influenza-Like Illness (ILI)¹ Surveillance Summary
for the Week of January 5-11, 2020 (Week 2)

<https://www.tn.gov/health/cde/cdp/immunization-program/flu-in-tennessee.html>

Summary for	# Sites reporting	Total Sites	Total Regional ILI	Total Regional Patients	% ILI Compared to State ²
Hamilton County (Chattanooga)	2	2	178	2131	8.4%
East Tennessee Region	8	10	295	4530	6.5% lower
Lackson-Madison County	2	2	107	2550	4.2% lower
Knoxville-Knox County	3	5	156	2874	5.4% lower
Mt-Cumberland Region	14	18	358	8100	4.4% lower
Shelby County (Memphis)	14	17	1809	10050	18.0% higher
Nashville-Davidson County	12	13	444	2820	6.5% lower
Northeast Region	4	5	72	1521	4.7% lower
South Central Region	2	3	3	119	0.7% lower
Southeast Region	5	5	100	1004	7.1% lower
Sevier County (Tri-Cities)	3	4	127	1020	6.2% lower
Upper Cumberland Region	3	4	4	300	1.4% lower
West Tennessee Region	5	8	2	183	1.0% lower
State of Tennessee	81	100	3658	43236	8.42%

Influenza activity in Tennessee

- The percentage of outpatients with ILI visiting the state's Sentinel clinic sites was 8.42. The CDC's baseline rate is 2.4%.
- 15.1% of specimens tested positive for influenza viruses.
- 46 of 95 Tennessee counties have had at least one confirmed influenza-positive result in recent weeks.
- Influenza-related deaths reported in 2019-2020 season: 6 pediatric

The percentage of patients with ILI reported in Week 2 was 8.42% as compared to 11.22% in Week 1. To date, 285 specimens from Week 2 have been tested by TDH Laboratory Services and one commercial laboratory that serves clinics across Tennessee; 43 were positive for influenza virus.

SPN sites should submit specimens year-round from ALL patients meeting the ILI case definition: Fever > 100°F (37.8°C) plus cough and/or sore throat, in the absence of a known cause (other than influenza). Case definition is not dependent on any test. If you have questions, contact your regional or state SPN representative. The TDH specimen submission form dated September 2015 should be used.

Specimens are critical to be able to track the geographic spread and intensity of seasonal influenza viruses, to detect the emergence of novel virus and/or antiviral resistance and provide data for vaccine strain selections.

Respiratory Viral Panel

Number of Positive Specimens, by week

Month/Week	#	Flu A (H1N1)	Flu A (H3)	Unsub. Flu A	Flu B	RSV A	Paratub 4	Rhino	Meta-pneumo	Corona HKU1
January										
Current	285	21	0	0	22	0	0	1	0	1
1	250	25	1	0	12	0	1	0	0	0
December										
52	219	27	0	1	18	0	0	0	0	0
51	377	37	0	1	33	0	0	0	0	0
50	363	22	0	0	19	0	0	0	1	0
49	416	15	0	1	20	1	0	3	0	1

