



# COVID-19 Surveillance Update

*Tennessee Department of Health*

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**COVID-19 Surveillance**

**TN Dept of Health**

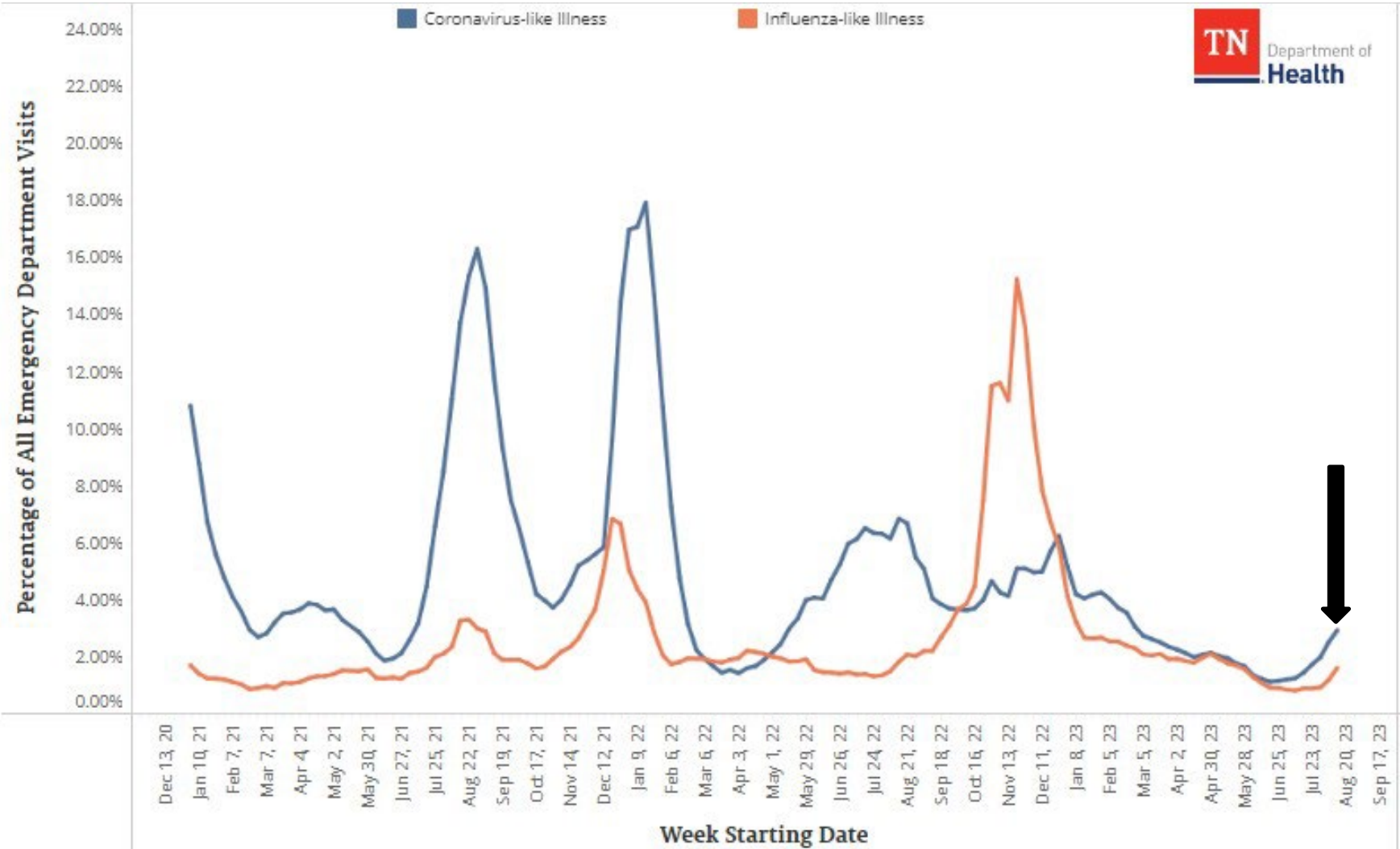
# COVID-19 Trends in TN & US

- **Tennessee**
  - New cases increasing (total ~**5800**/week)
  - Hospitalizations increasing (**239** hospitalized currently)
- **U.S.A.**
  - New hospitalizations increasing
  - Deaths increasing



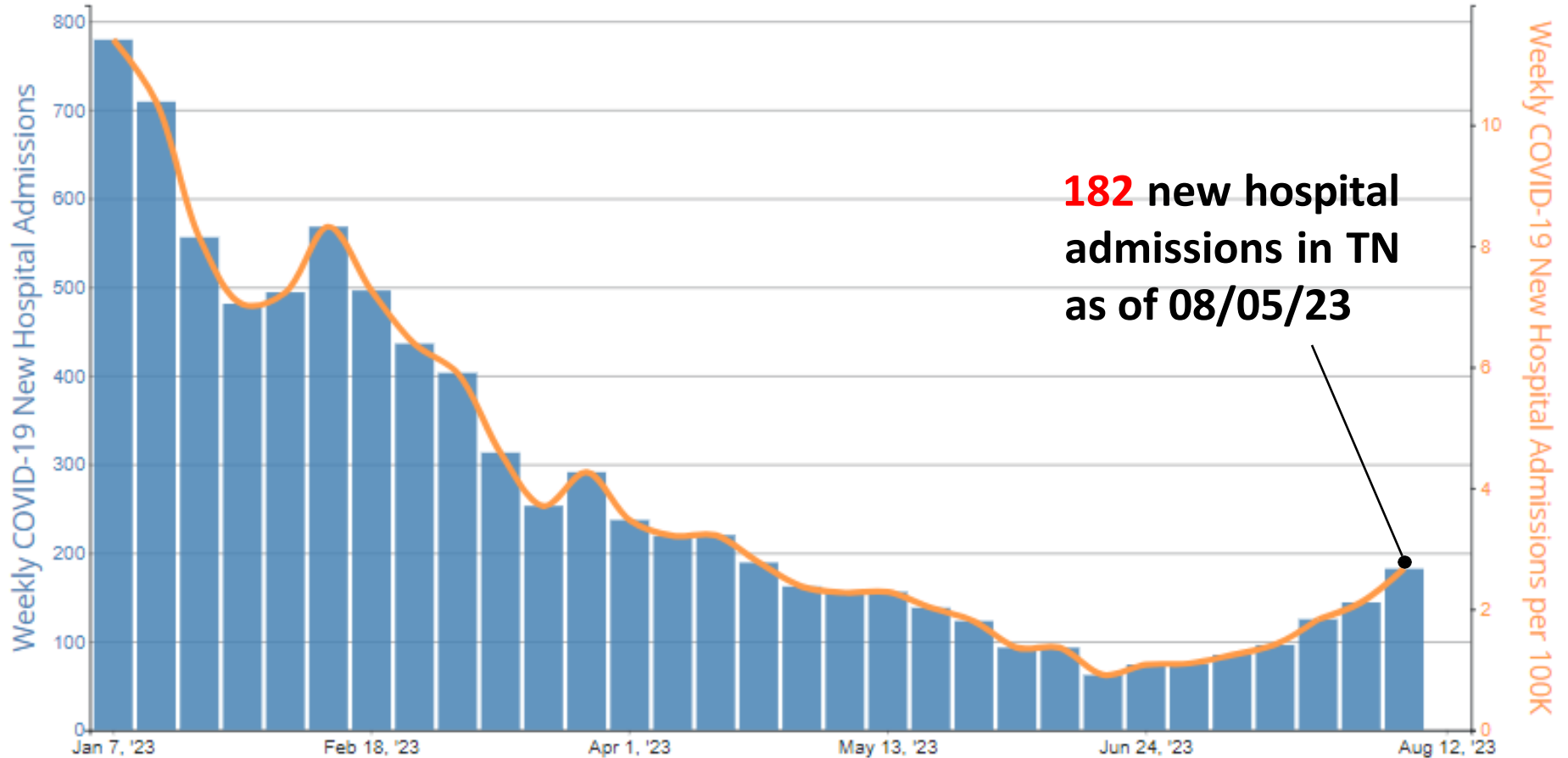
# Syndromic Surveillance

## Emergency Department Data of chief complaint and discharge diagnosis



# New Hospital Admissions

COVID-19 New Hospital Admissions and New COVID-19 Hospital Admissions per 100,000 Population, by Week, in Tennessee, Reported to CDC

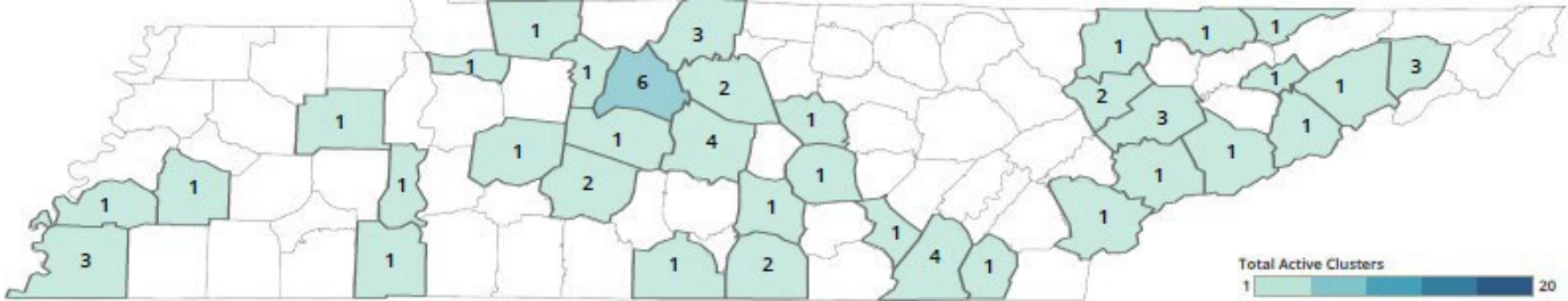


# COVID Cluster in High-Risk Settings

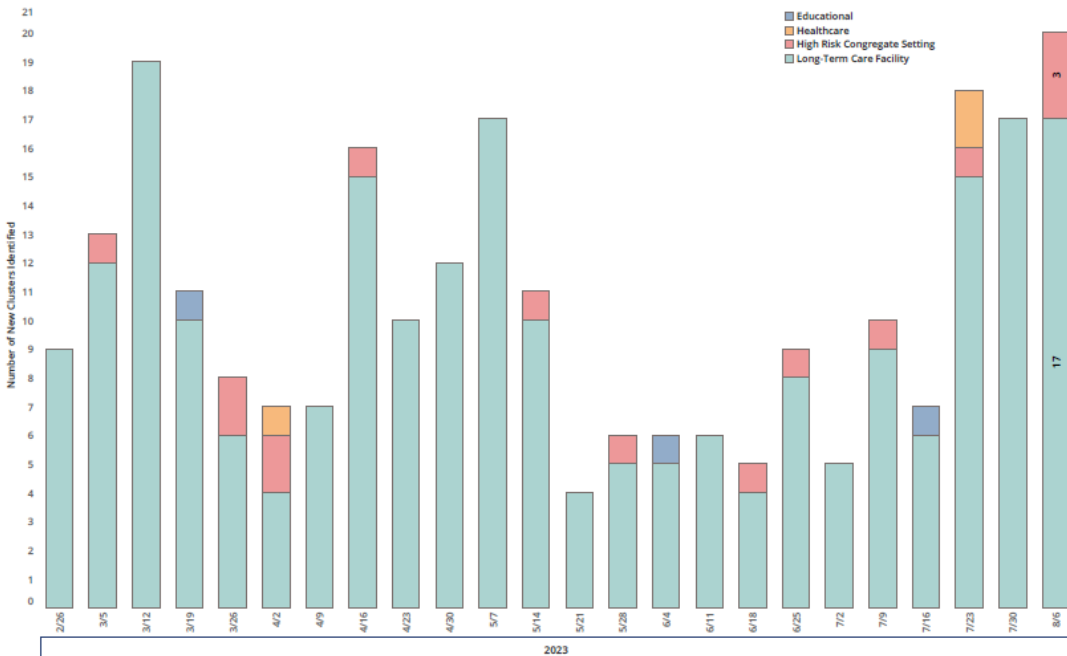
**59  
Total Active  
Clusters**

High-risk settings include long-term care facilities, correctional facilities, shelters, and other congregate settings

## Active Clusters by County





























## Confirmed Clusters by Week and Facility Type



# Variant Proportions for HHS Region 4

## Nowcast Estimates in HHS Region 4 for 8/6/2023 – 8/19/2023

Region 4 - Alabama, Florida, Georgia, Kentucky,  
Mississippi, North Carolina, South Carolina, and  
Tennessee

WHO label	Lineage #	%Total	95%PI	
Omicron	EG.5	16.5%	13.7-19.6%	
	FL.1.5.1	14.9%	10.8-20.1%	
	XBB.1.16.6	12.5%	10.2-15.2%	
	XBB.1.16	10.3%	8.3-12.6%	
	XBB.2.3	7.5%	6.4-8.7%	
	XBB	6.2%	4.5-8.5%	
	XBB.1.16.1	5.3%	4.3-6.6%	
	XBB.1.5	5.1%	4.2-6.2%	
	XBB.1.9.1	3.3%	2.8-3.9%	
	XBB.1.5.70	2.8%	2.0-4.0%	
	GE.1	2.7%	1.7-4.4%	
	XBB.1.16.11	2.2%	1.1-4.4%	
	XBB.1.5.72	2.2%	1.4-3.3%	
	EG.6.1	1.5%	0.7-2.9%	
	XBB.1.9.2	1.5%	1.1-1.9%	
	XBB.1.5.10	1.3%	0.9-1.7%	
	FD.1.1	1.1%	0.7-1.8%	
	FE.1.1	0.8%	0.6-1.3%	
	CH.1.1	0.8%	0.4-1.5%	
	XBB.1.5.68	0.7%	0.4-1.2%	
	XBB.1.5.59	0.4%	0.2-0.8%	
	EU.1.1	0.3%	0.1-0.4%	
	XBB.1.5.1	0.1%	0.1-0.1%	
	BA.2	0.0%	0.0-0.1%	
	BA.5	0.0%	0.0-0.0%	
	FD.2	0.0%	0.0-0.0%	
	BQ.1.1	0.0%	0.0-0.0%	
	BQ.1	0.0%	0.0-0.0%	
	BA.2.12.1	0.0%	0.0-0.0%	
Other	Other*	0.1%	0.0-0.2%	

## Key Points:

- All SARS-CoV-2 strains currently circulating are all Omicron subvariants
- EG.5 strain represents a greater percentage (16.5%) of Covid case in region 4 than other Omicron subvariants

# COVID-19 Surveillance Summary

## Tennessee

## United States

Coronavirus-Like Illness



New Cases



Hospitalizations



### **Bottom line:**

COVID activity is up in TN



# COVID-19 Reporting Requirements

- Tennessee state law and reportable conditions did not change with the expiration of the PHE
  - The law continues to require reporting of positive SARS-CoV-2 results
  - Information on required reporting for reportable conditions including SARS-CoV-2, is found here: <https://www.tn.gov/health/cedep/reportable-diseases.html>



# COVID-19 Reporting Mechanisms

- **Reporting mechanisms**

- **Report via fax:**

PH-1600 may be faxed or emailed directly to the local or regional health office at <https://www.tn.gov/health/health-program-areas/localdepartments.html>, or to the (CEDEP) Division at TDH at (615) 741-3857

- **Report online:**

National Electronic Disease Surveillance System (NEDSS) Base System (NBS):  
<https://hssi.tn.gov/auth/login>.

Reporters can request an account at <https://redcap.health.tn.gov/redcap/surveys/?s=8L7CMWHN4M>. If you encounter problems, email [ceds.informatics@tn.gov](mailto:ceds.informatics@tn.gov)

- **Report POC tests using NHSN:**

Pathway reporting only includes summary data and does not meet reporting requirements.

- **Work with the Cluster Team to report cases:**

If you are working directly with public health staff to monitor and report current cases and clusters at your facility, line lists or forms that are completed per public health instructions will meet state reporting requirements

# Central Office Support

- **Test Kits**

- Facilities (Health Departments, LTCFs, Community Partners, etc.) can request free test kits from [covid19.testing@tn.gov](mailto:covid19.testing@tn.gov)

- **Cluster Surveillance & Response**

- The CO team manages the statewide cluster database and offers support for outbreak response for regional and metro health departments.
- Contact [COVID19.Cluster@tn.gov](mailto:COVID19.Cluster@tn.gov) for information.