

COVID-19 Data Update

from the Tennessee Department of Health

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TN

Proposed State or Regional Gating Criteria

(Satisfy Before Proceeding to Phased Opening)

SYMPTOMS

Downward trajectory of influenza-like illnesses (ILI) reported within a 14-day period

AND

Downward trajectory of COVID-like syndromic cases reported within a 14-day period

CASES

Downward trajectory of documented cases within a 14-day period

OR

Downward trajectory of positive tests as a percent of total tests within a 14-day period (flat or increasing volume of tests)

HOSPITALS

Treat all patients without crisis care

AND

Robust testing program in place for at-risk healthcare workers, including emerging antibody testing

Syndromic Surveillance

- **Emergency department data**
 - Chief complaints
 - Discharge diagnoses
- **Deidentified**
- **Received within 24h of patient encounter**
- **Reported from 99 hospitals across TN**
- **Syndromes**
 - **Influenza-like illnesses (ILI)** is defined by terms, free text, or discharge diagnoses that are likely to be related to illness caused by seasonal influenza. The visits counted within these criteria will contain a percentage illnesses caused by conditions other than influenza infection. These results should be considered preliminary in nature and are not all confirmed diagnoses of disease.
 - **COVID-like illnesses (CLI):** is defined as symptom terms, free text, or discharge diagnoses specified by CDC that are likely to be related to illness caused by the 2019 novel Coronavirus. The visits counted within these criteria will contain a percentage illnesses caused by conditions other than novel coronavirus infection. The visits counted within these criteria will contain a percentage illnesses caused by conditions other than novel corona virus infection. These results should be considered preliminary in nature and are not all confirmed diagnoses of disease.

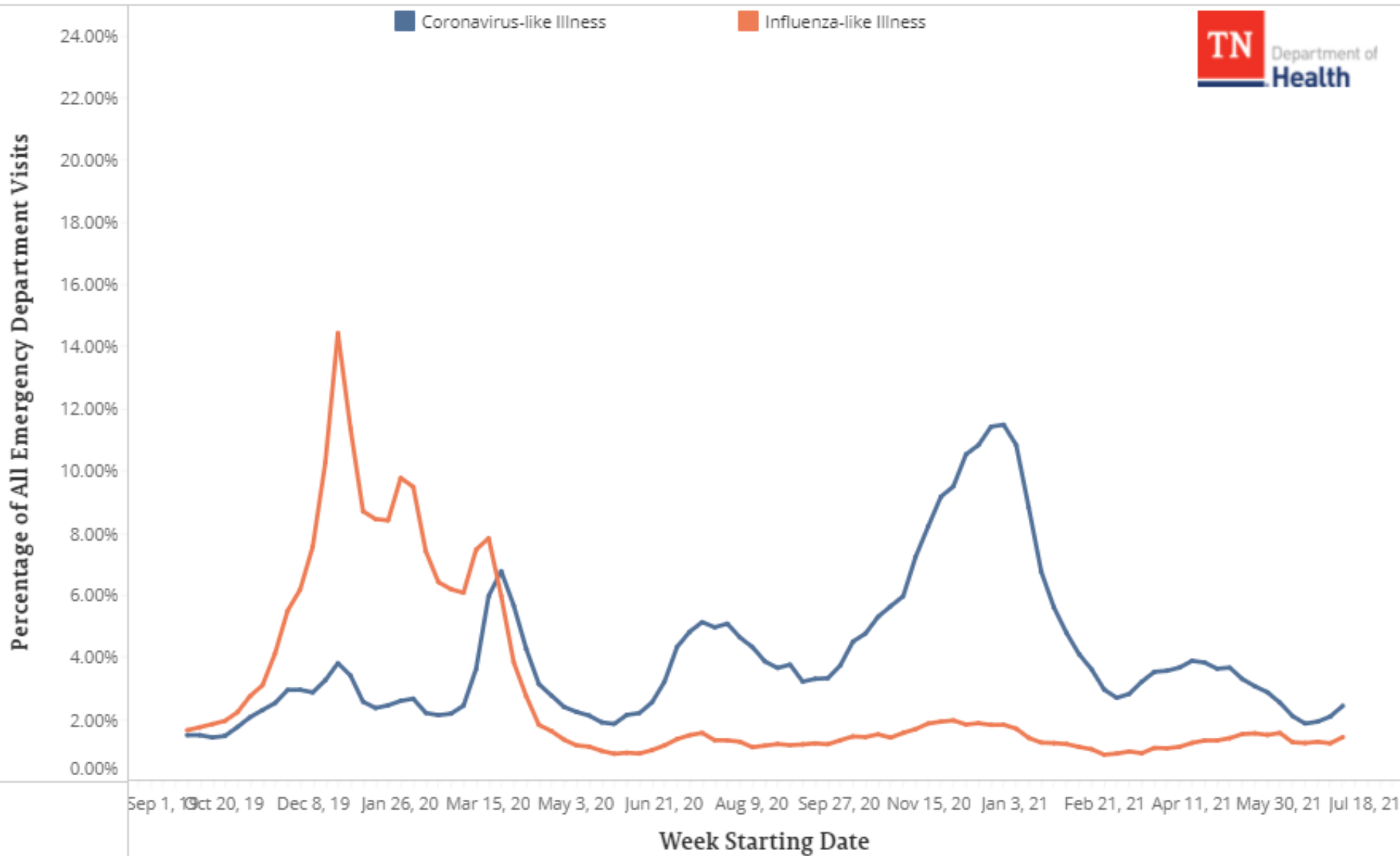
SYMPTOMS

Downward trajectory of influenza-like illnesses (ILI) reported within a 14-day period

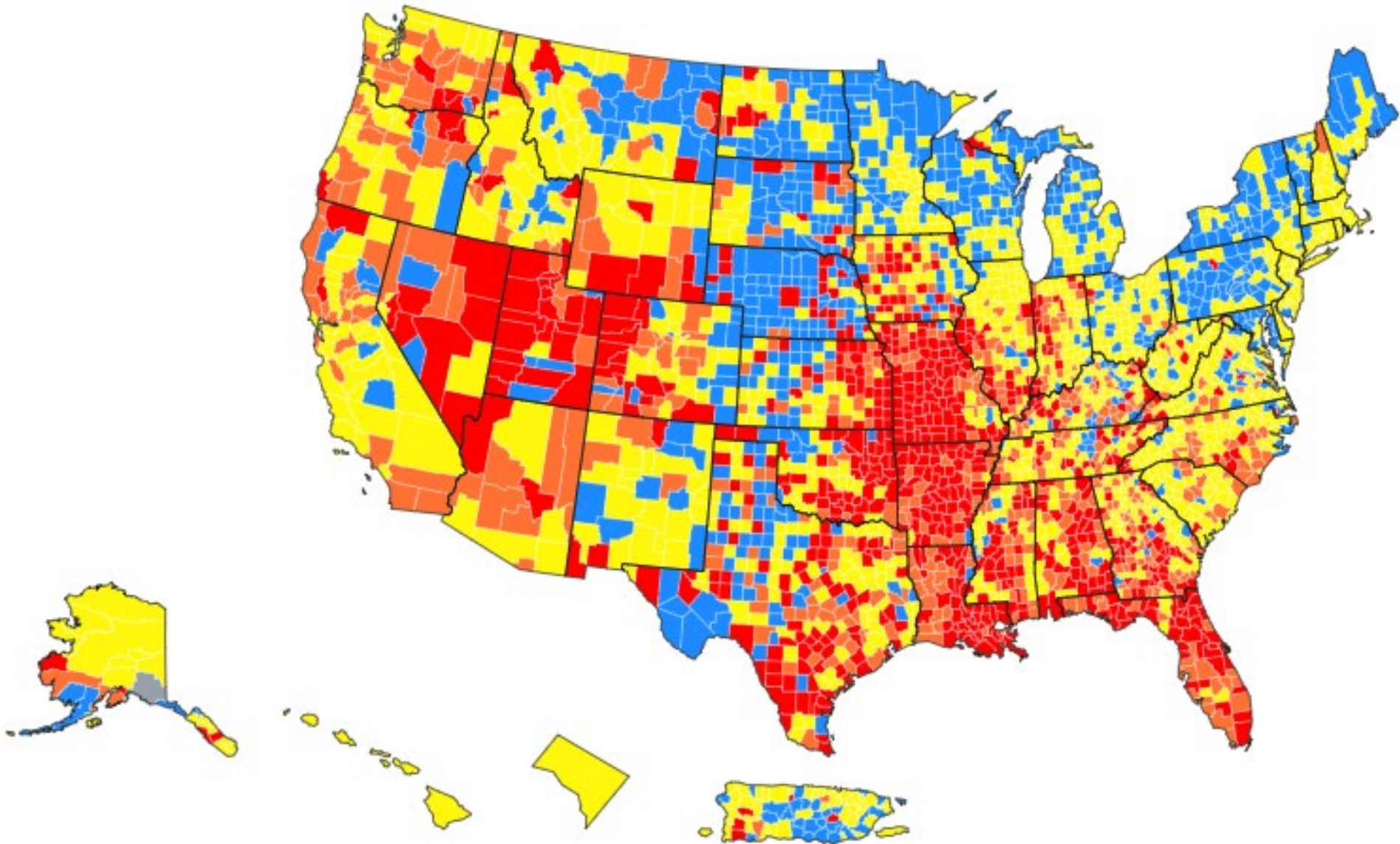
AND

Downward trajectory of COVID-like syndromic cases reported within a 14-day period

Syndromic Surveillance



National Trends (6 July – 12 July)



Case Counts (Weekly)

By Specimen Collection Date

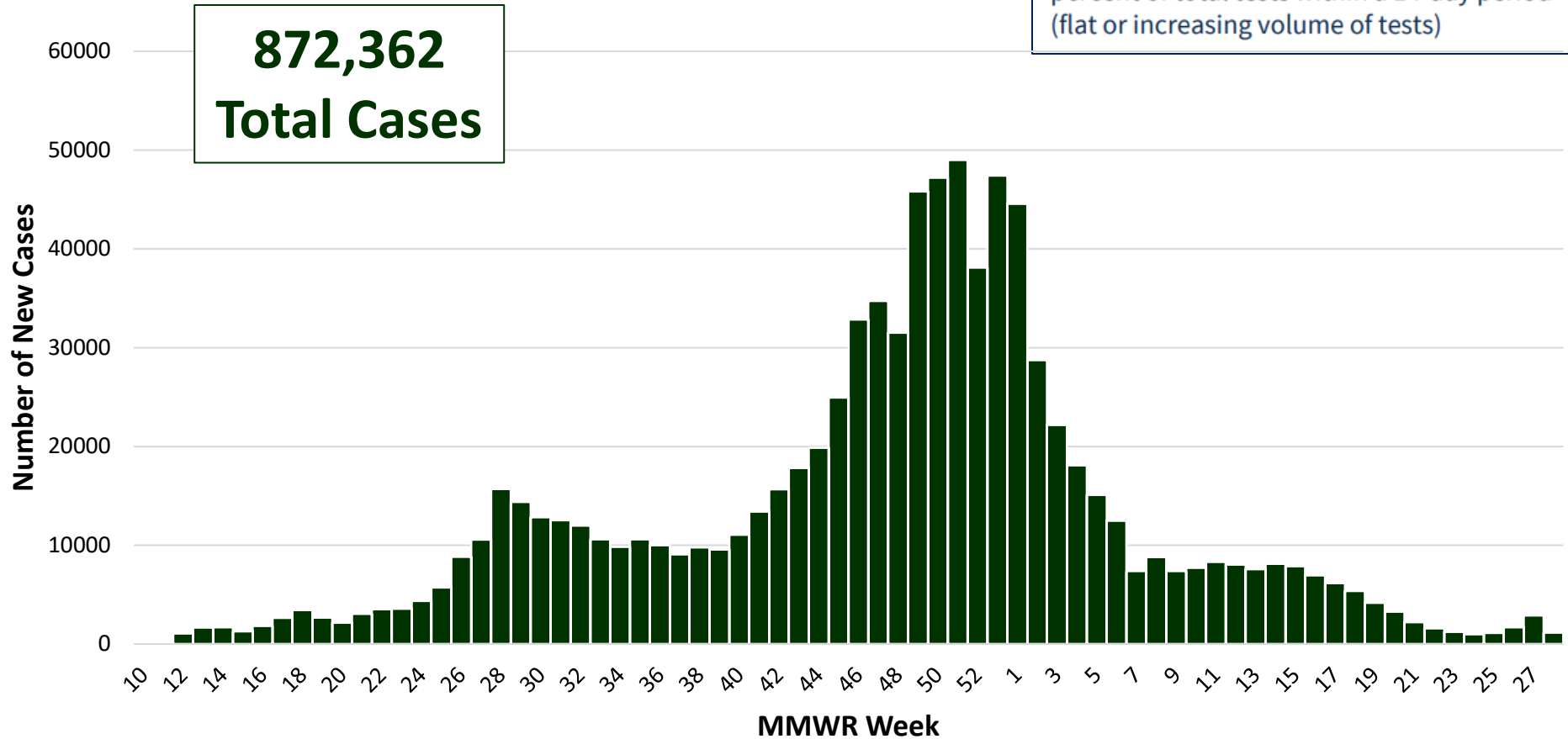
CASES

Downward trajectory of documented cases within a 14-day period

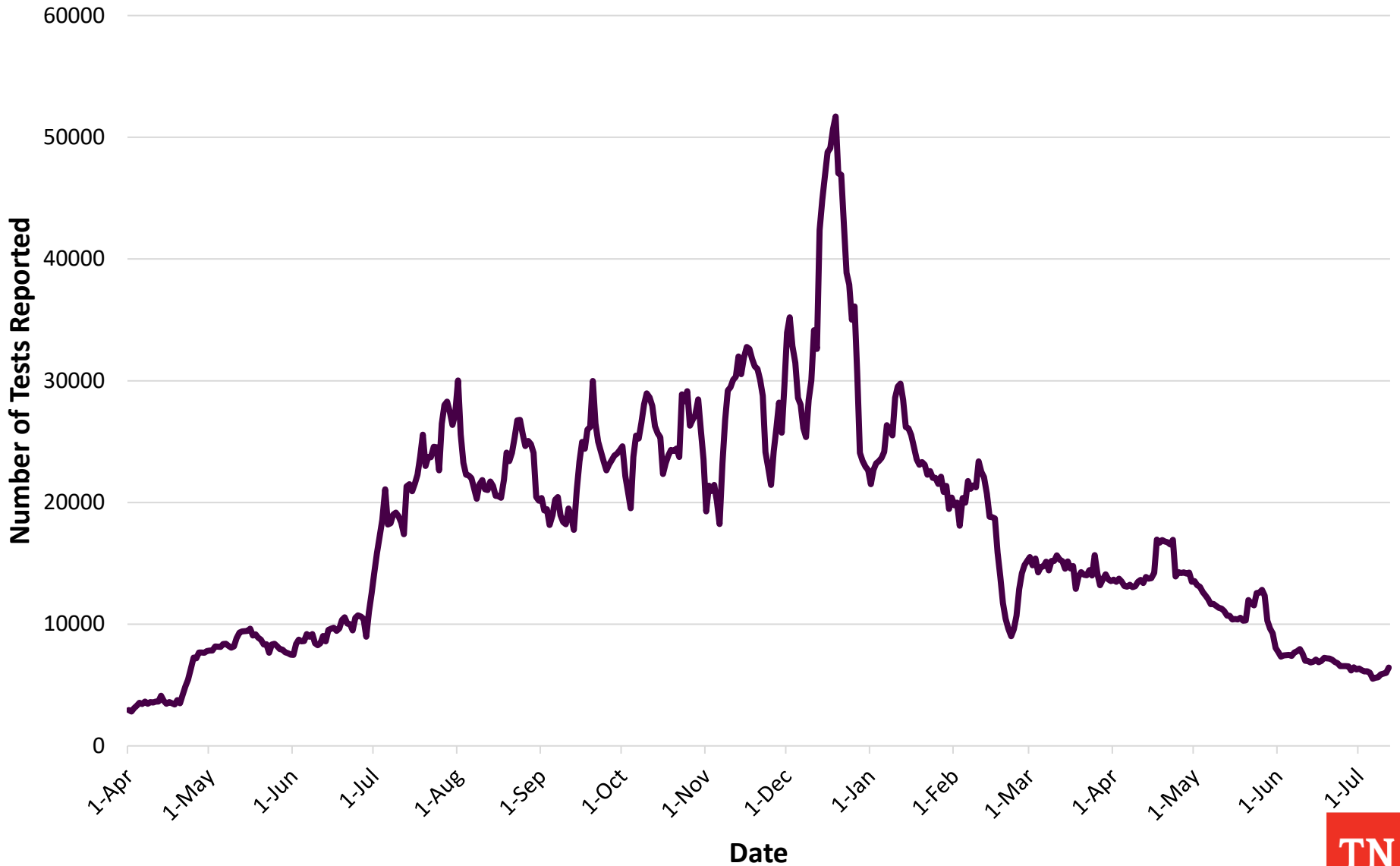
OR

Downward trajectory of positive tests as a percent of total tests within a 14-day period (flat or increasing volume of tests)

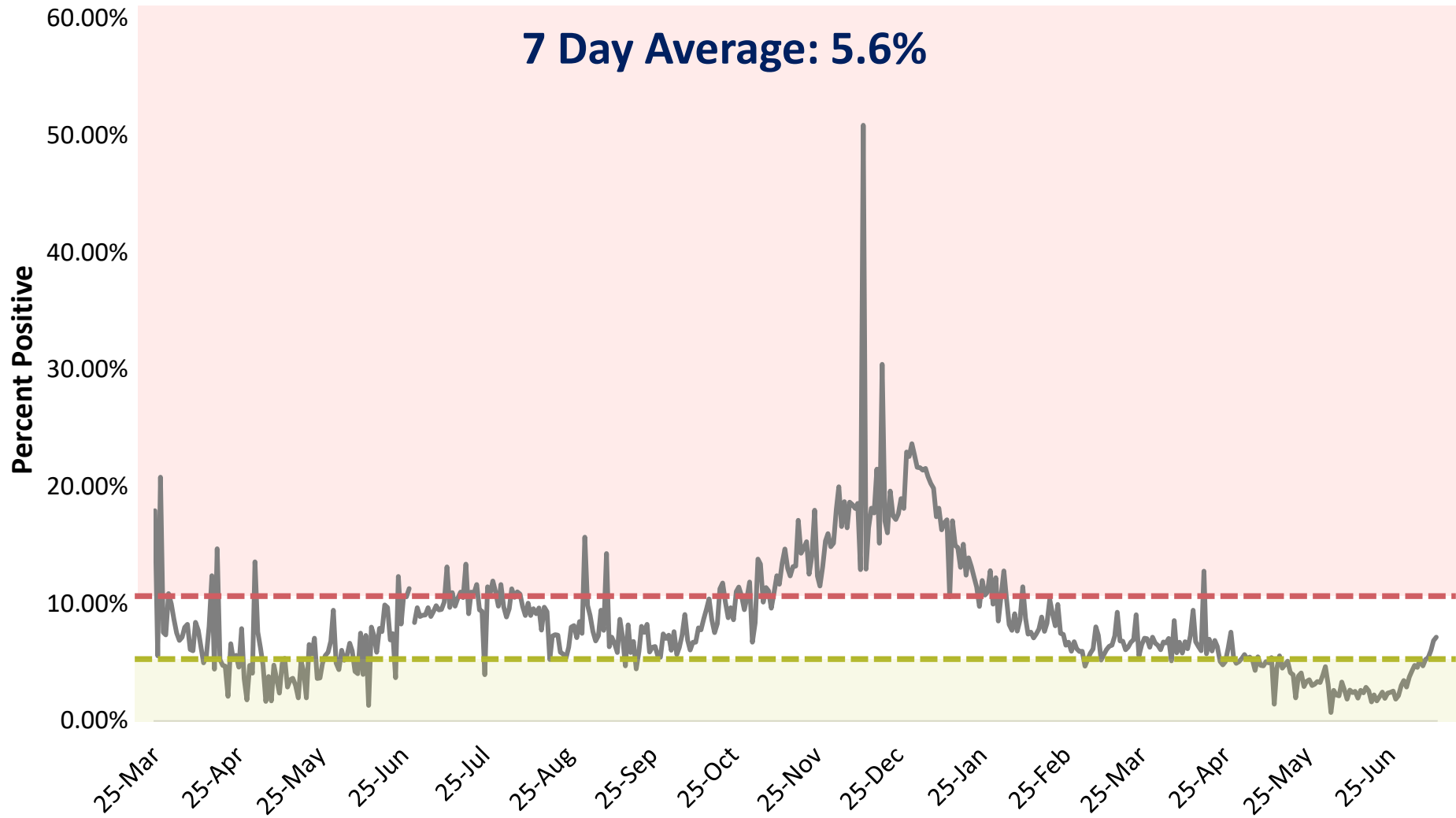
872,362
Total Cases



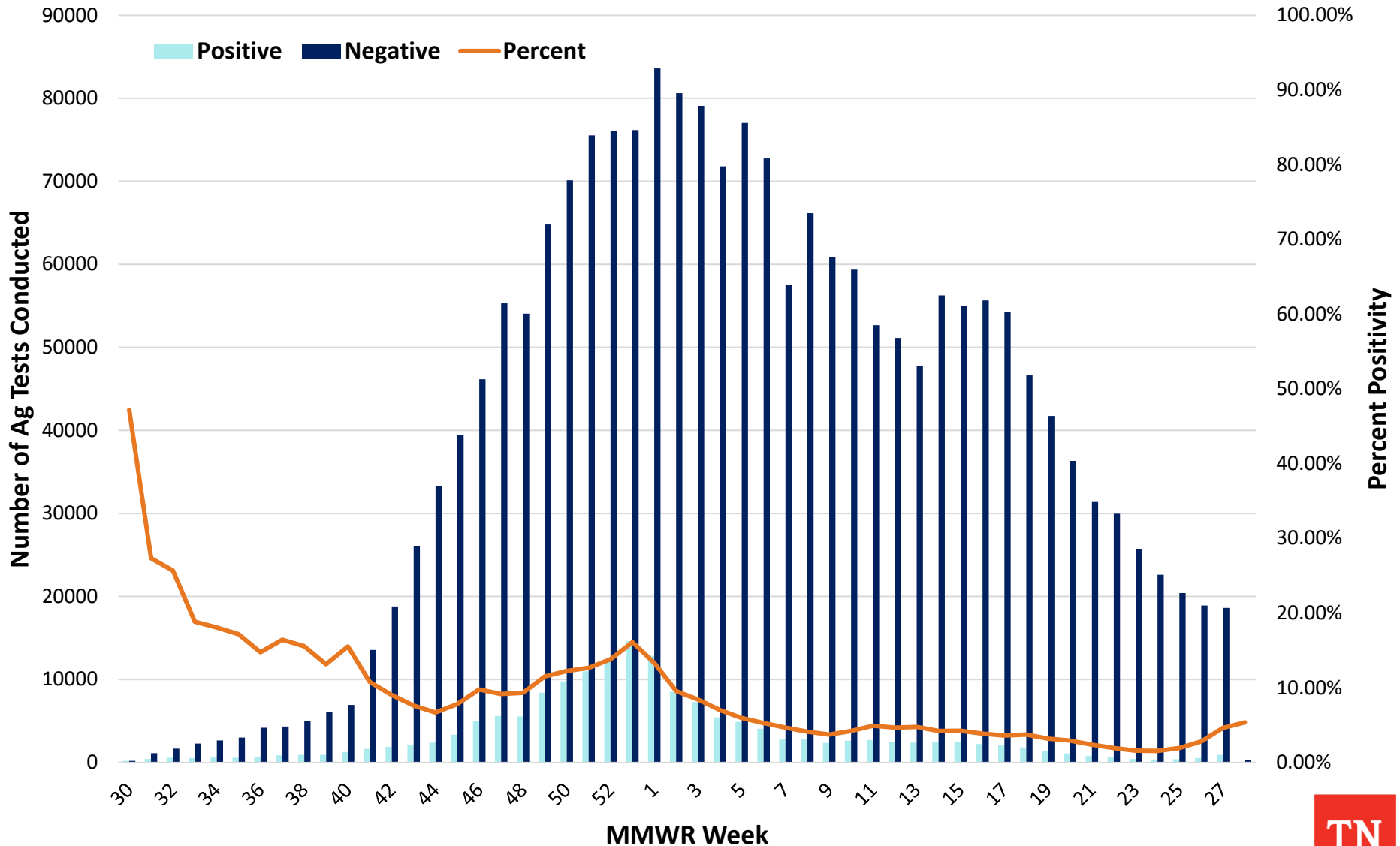
7d Average of New PCR Tests (n=8,273,902)



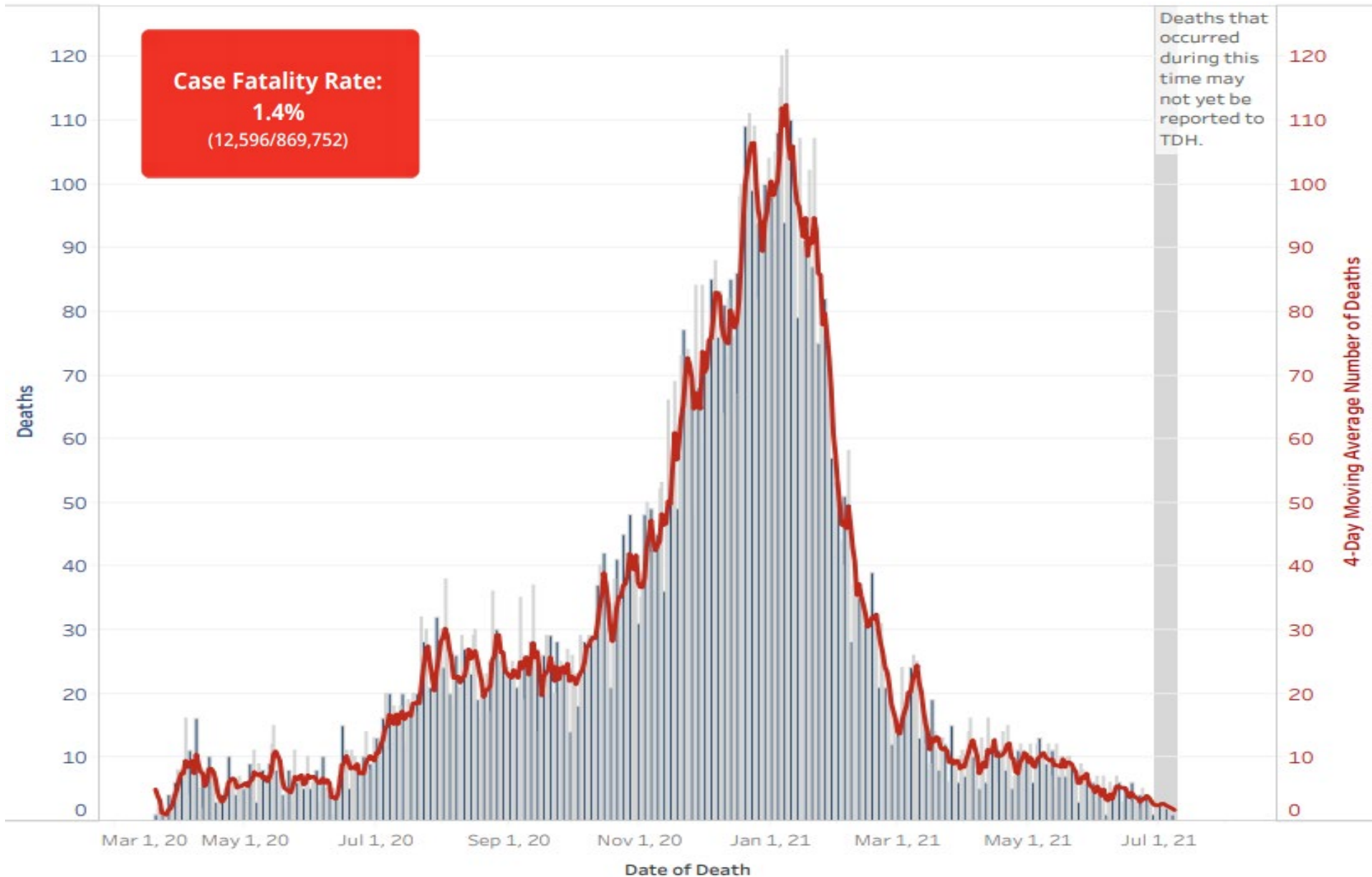
PCR Test Percent Positivity



Antigen Testing Data (n=2,231,339)



Deaths (n=12,625)



Healthcare Resources

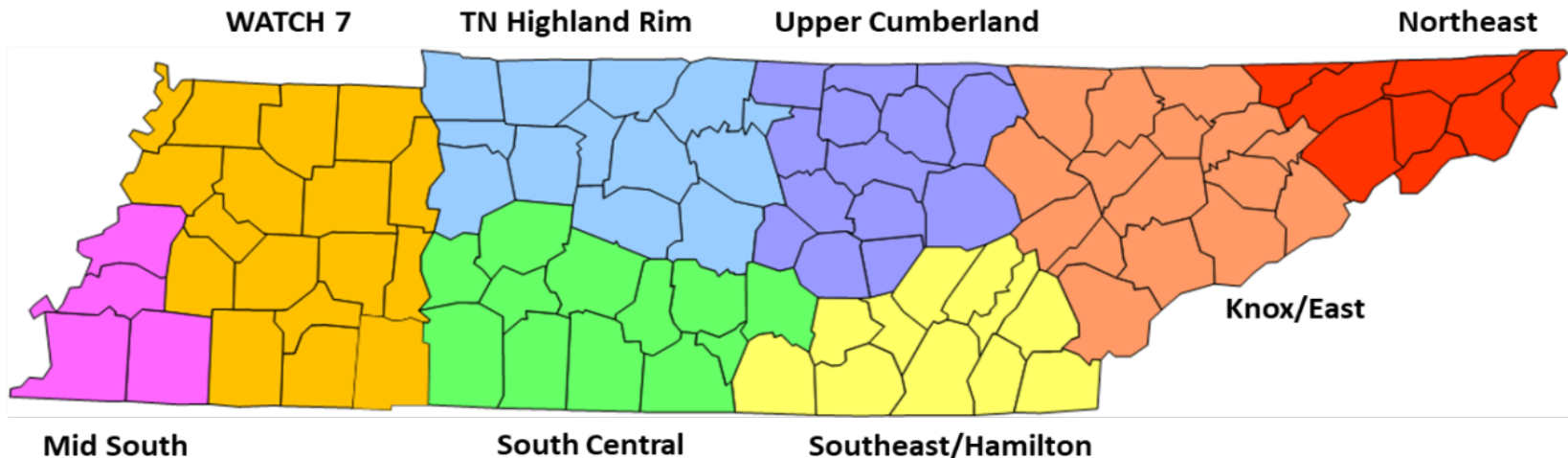
- **Healthcare Resource Tracking System**
 - Established in 2006
- **Acute care hospitals report daily:**
 - Number of beds (floor / ICU / AIIR)
 - Number of ventilators
 - Amount of PPE
 - Number of COVID-19 patients (floor, ICU, ventilated, pending)

HOSPITALS

Treat all patients without crisis care

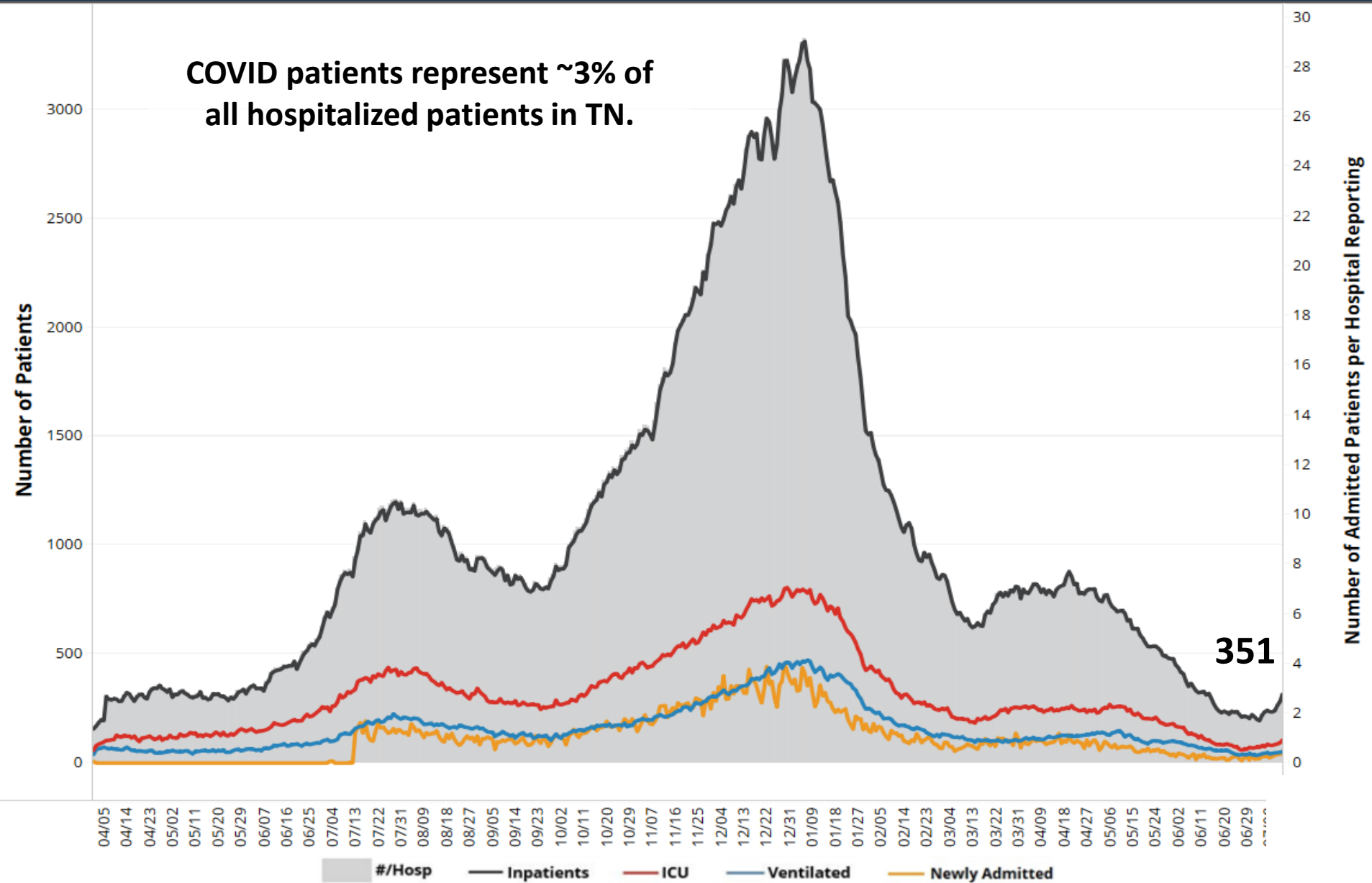
AND

Robust testing program in place for at-risk healthcare workers, including emerging antibody testing

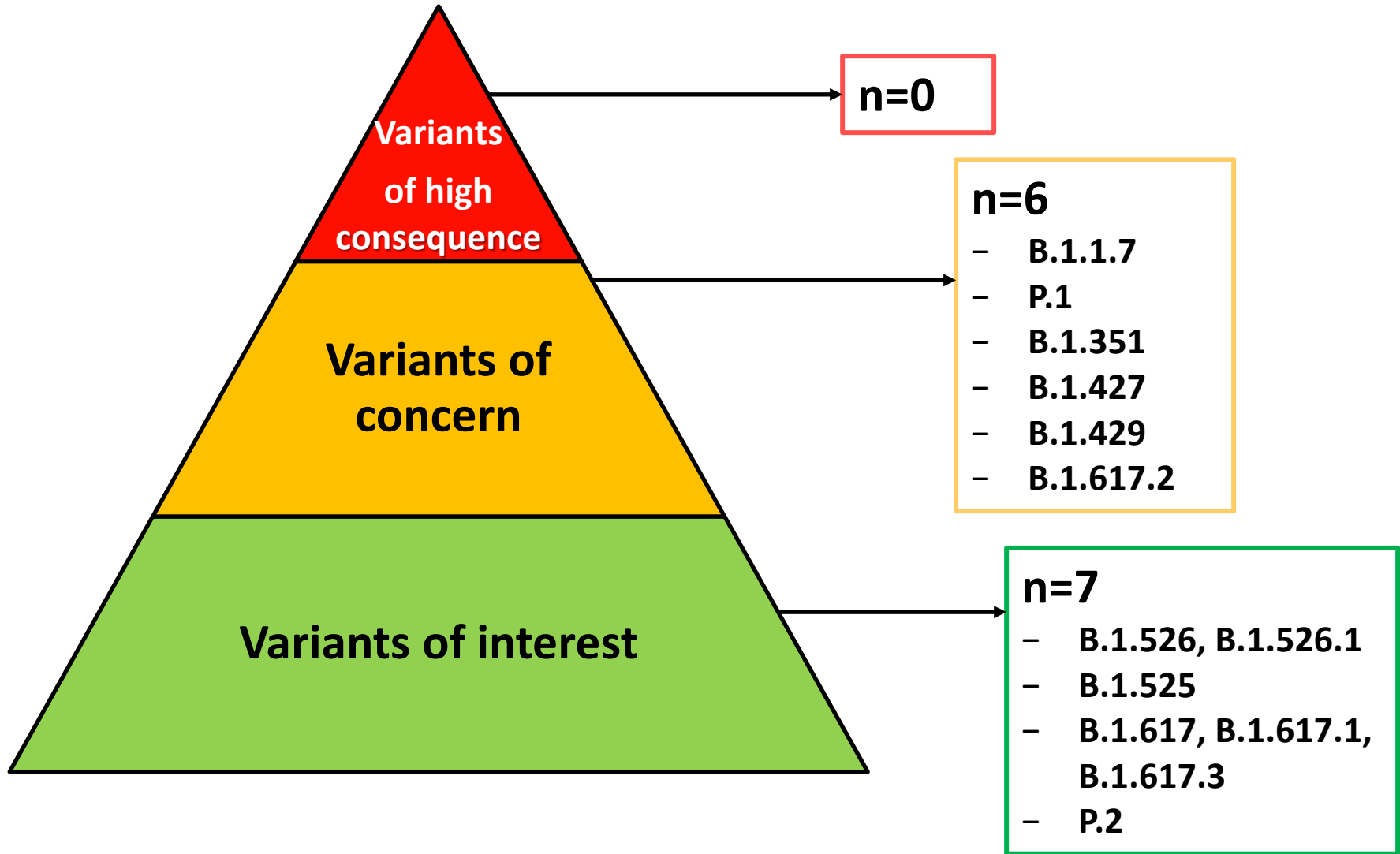


Current COVID Hospitalizations

COVID patients represent ~3% of all hospitalized patients in TN.



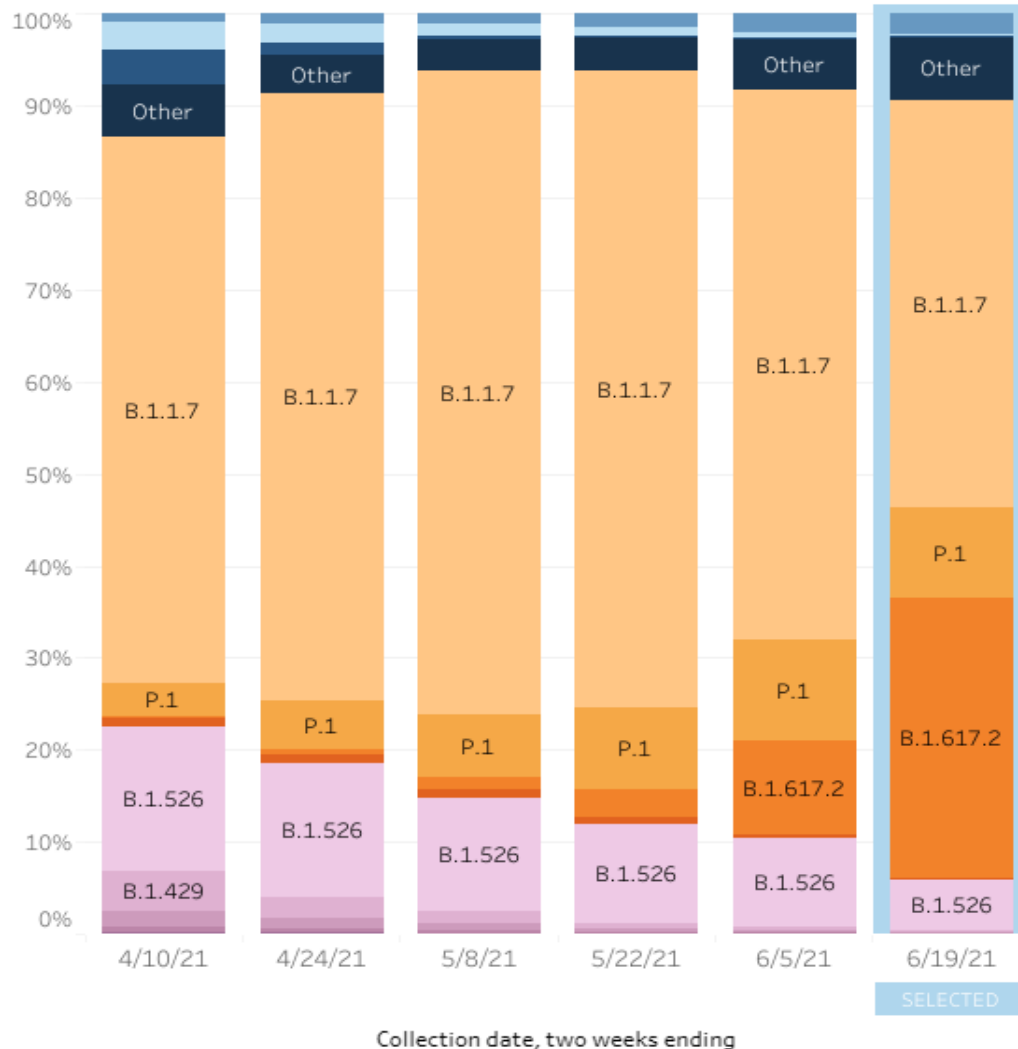
SARS-CoV-2 Variant Classification



CDC Variant Proportions (National)

United States: 3/28/2021 – 6/19/2021

United States: 6/6/2021 – 6/19/2021



USA						
	Lineage	Type	%Total	95%CI		
Most common lineages #	B.1.1.7	Alpha	VOC	44.2%	39.8-48.8%	
	B.1.617.2	Delta	VOC	30.4%	24.1-37.7%	
	P.1	Gamma	VOC	9.9%	7.6-13.0%	
	B.1.526	Iota	VOI	5.5%	4.3-6.9%	
	B.1			2.2%	1.4-3.5%	
	B.1.1.519			0.2%	0.1-0.4%	
Additional VOI/VOC lineages #	B.1.2		†	0.0%	0.0-0.1%	
	B.1.351	Beta	VOC	0.2%	0.1-0.5%	
	B.1.429	Epsilon	VOI	0.1%	0.0-0.4%	
	B.1.525	Eta	† VOI	0.1%	0.0-0.4%	
	B.1.427	Epsilon	VOI	0.1%	0.0-0.3%	
	B.1.617.1	Kappa	† VOI	0.0%	0.0-0.1%	
	B.1.617.3		† VOI	0.0%	NA	
	P.2	Zeta	† VOI	0.0%	NA	
Other*	Other		6.9%	5.3-8.9%		

* Other represents >200 additional lineages, which are each circulating at <1% of viruses

† Fewer than 10 observations of this variant during the selected time/location context

Sublineages of P.1 and B.1.351 (P.1.1, P.1.2, B.1.351.2, B.1.351.3) are aggregated with the parent lineage and included in parent lineage's proportion. AY.1 and AY.2 are aggregated with B.1.617.2.

Recent Trends Among Vaccinated

- **In the first 4 weeks of May (5/2-5/29):**
 - **97% of cases were unvaccinated**
 - **95% of people hospitalized for COVID were unvaccinated¹**
 - **98.5% of COVID deaths were unvaccinated**

Questions?



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