

COVID-19

Critical Indicators

September 8, 2021



Introduction

As Tennessee (TN) monitors reopening across the state, the Tennessee Department of Health (TDH) will maintain vigilance of critical COVID-19 indicators at the state and county levels to identify 'problem areas' across the state and provide early indication of sustained increases in community transmission.

These metrics were developed in line with the [White House proposed State Gating Criteria](#) and help officials monitor trends in four key areas:

- Trends in COVID-19 Cases (see on page 2)
- Trends in COVID-19 Symptoms (see on page 7)
- Trends in COVID-19 Testing Capabilities (see on page 8)
- Trends in Healthcare System Capacity (see on page 9)

Beginning June 12th, 2020, case trends (beginning on page 2) include both confirmed and probable cases.

COVID-19 in TN at a Glance

1,119,545

Total Number of
COVID-19 Cases

4,200

New COVID-19
Cases Today

78,235

Active COVID-19
Cases Today

13,879

Total Number of
COVID-19 Deaths

Key Definitions

Below are definitions important to understanding this report. In addition to these definitions, each visualization in this report will be explained in further detail in the technical notes (see [page 11](#)):

- In TN, a COVID-19 case is counted in the daily case count, demographics, and outcomes, if it classified as a confirmed or probable case. Please see the COVID-19 case definition found at <https://www.tn.gov/content/dam/tn/health/documents/cedep/novel-coronavirus/COVID-Case-Definition.pdf>.
- A **confirmed case** is someone who tested positive (via PCR test) for the virus that causes COVID-19 (SARS-Cov-2).
- A **probable case** is someone who may have tested negative by PCR, tested positive by another type of test or may not have been tested at all, but has an illness consistent with COVID-19, and may have other risk factors. For example:
 - If a person is a close contact of a COVID-19 case and has a clinically-compatible illness, this person meets the criteria to be a probable case
- The **specimen collection date** is the date someone's COVID-19 lab sample was collected. Due to lab turnaround time there may be delays between when a specimen is collected and a confirmed case is reported to the public. Unless otherwise stated, visualizations in this report use specimen collection date as it more accurately indicates when a patient was sick (and not when their case was reported to the public).

Trends in COVID-19 Cases in TN

The following section will visualize the COVID-19 case trends (both confirmed and probable) in TN, including newly reported cases, the active number of cases, and the number of COVID-19 confirmed deaths.



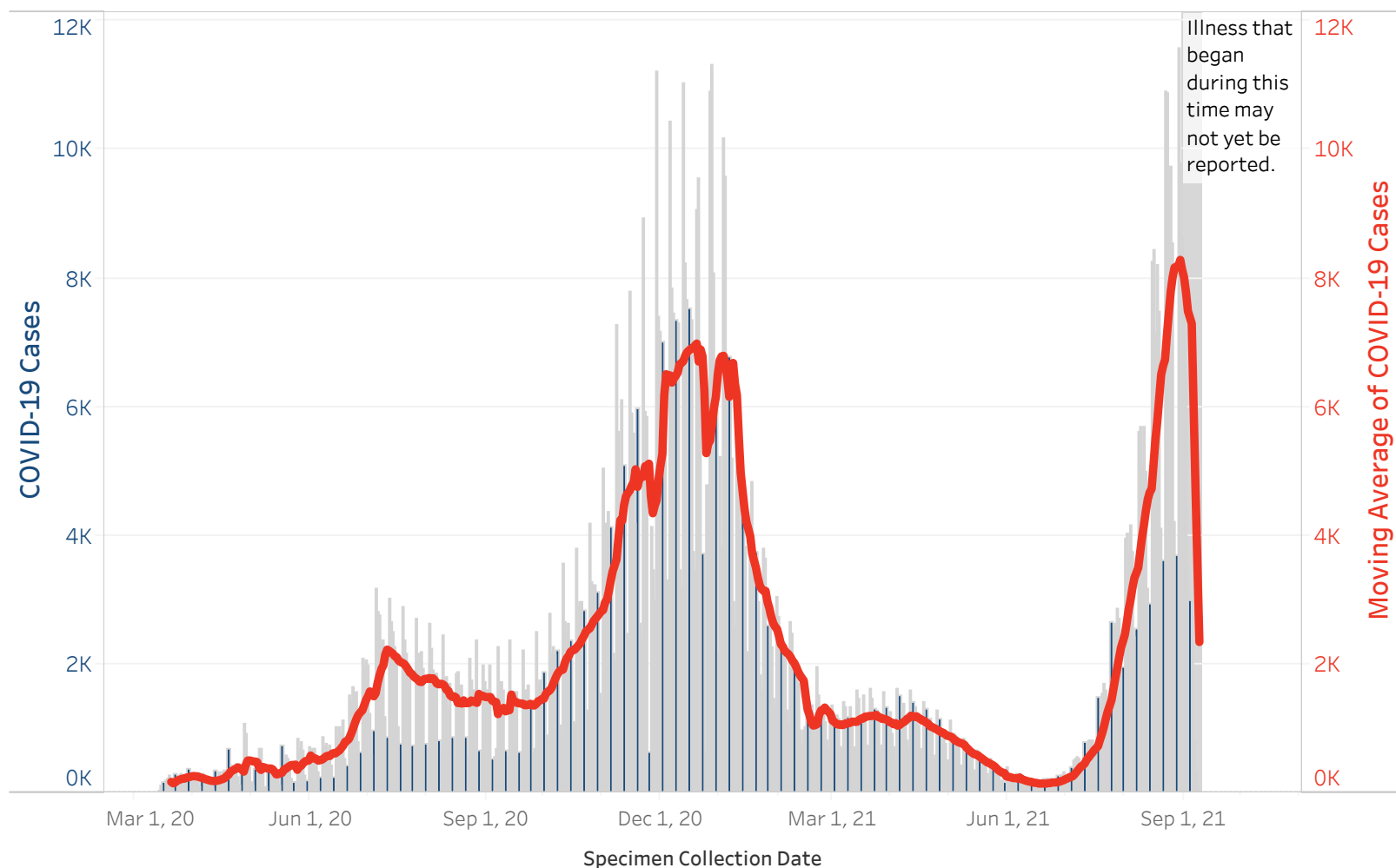
White House State Gating Criteria: COVID-19 Cases

Downward trend of confirmed cases within a 14-day period
OR

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

Epidemic Curve of COVID-19 Cases by Specimen Collection Date

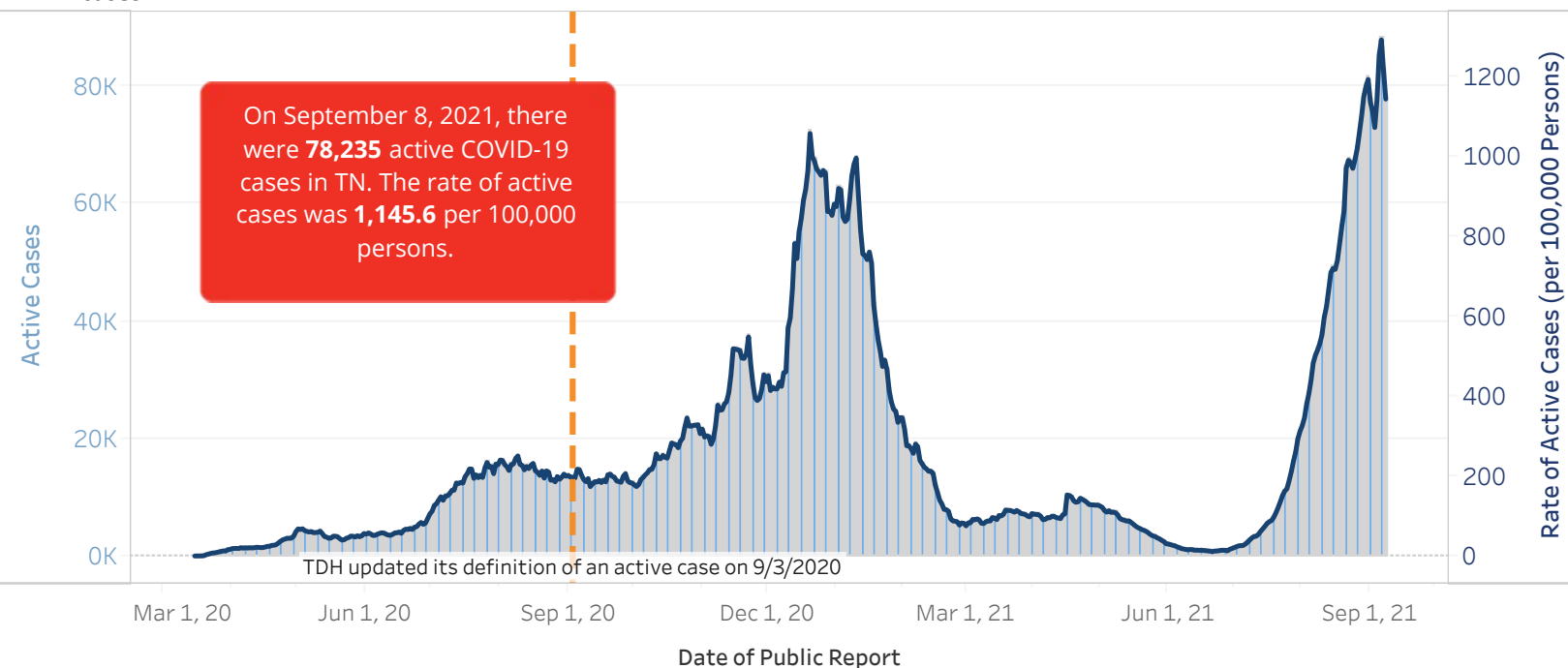
The curve below visualizes the number of new cases each day since the beginning of the COVID-19 outbreak. The number of cases each day are visualized in the blue bars and the moving 7-day average is visualized with the red line. On December 20th, 2020, the moving 7-day average was the highest of the pandemic, averaging 6,946 new cases/day.



The epidemic curve is based on the day the specimen was collected. Therefore, the most recent day's data may not be complete as test results take an average of 2-5 days to be reflected in the visualization. To learn more about this visualization, please reference the technical notes.

Statewide Number and Rate of Active Cases₂

The chart below visualizes the number and rate of active COVID-19 cases in TN. On September 3rd, 2020 (orange line) TDH updated its definition of an active case significantly lowering the number of active cases on that day and moving forward. Since TDH updated its definition of an active case, the number and rate of active cases hit a peak on December 21st, 2020 with 85,406 cases.



Daily Percent of Positive COVID-19 Tests₃

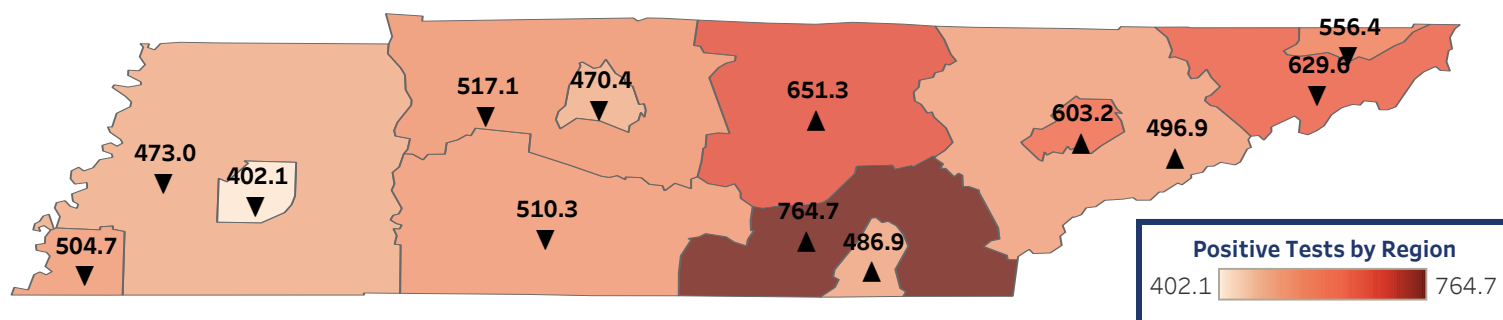
The chart below visualizes the daily percent of positive COVID-19 tests. For today, September 8, 2021, the daily positivity rate was 21.3% and the positivity rate for the last 7 days was 19.2%.



On 5/3/2021, TDH shifted to a more reliable system-generated date, the date the COVID-19 case was added to the surveillance system. Because of this change, this visualization has had a minor shift in the number of new cases reported for each day and therefore, the daily percent of positive COVID-19 tests.

Positive Tests per 100,000 Person by Public Health Region (over last 7 days)⁴

The map below shows the number of new positive tests in the last 7 days per 100,000 persons. The arrow indicators represent the trend (up or down) as compared to the week prior. For the week of September 8, 2021, the highest rate of positive tests was seen in the Southeast Region. Additionally, 8 of the 13 public health regions saw a decrease in the number of positive cases compared to the week prior.



TN SARS-CoV-2 Variant Case Summary⁵

Below is a table summarizing COVID-19 variant cases reported to the Tennessee Department of Health. Because sequencing is not performed by all laboratories, these data are a convenience sample and not indicative of the true prevalence of variants. To learn more about COVID-19 variants, please see the SARS-CoV-2 Variant Classifications and Definitions published by the CDC: <https://www.cdc.gov/coronavirus/2019-ncov/cases-updates/variant-surveillance/variant-info.html>

Additional data on variant proportions nationally and by state are available from the CDC at: <https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

Variants of Concern

TN Region	B.1.1.7 -Alpha	B.1.351 -Beta	AY.1-Delta	AY.2-Delta	B.1.617.2 -Delta	P.1 -Gamma
Blountville-Sullivan Region	31	0	0	0	17	4
Chattanooga-Hamilton Region	81	0	0	0	56	0
East Tennessee Region	231	2	1	0	145	20
Jackson-Madison Region	16	0	0	0	48	1
Knoxville-Knox Region	49	1	0	0	55	4
Memphis-Shelby Region	1,662	4	0	5	1,826	39
Mid-Cumberland Region	580	1	0	1	258	14
Nashville-Davidson Region	353	1	0	2	150	11
Northeast Region	321	5	0	6	65	12
South-Central Region	129	1	0	1	90	0
Southeast Region	168	0	0	0	65	3
Upper-Cumberland Region	317	0	0	0	99	22
West Tennessee Region	344	7	1	0	345	11
Grand Total	4,282	22	2	15	3,219	141

TN SARS-CoV-2 Variant Case Summary Continued⁵

Below is a table summarizing the COVID-19 variants of interest cases reported to the Tennessee Department of Health.

TN Region	B.1.525 -Eta	B.1.526 -Iota	B.1.617.1 -Kappa
Chattanooga-Hamilton Region	0	1	0
East Tennessee Region	0	7	1
Jackson-Madison Region	1	1	6
Knoxville-Knox Region	0	1	2
Memphis-Shelby Region	0	25	5
Mid-Cumberland Region	4	24	29
Nashville-Davidson Region	0	20	1
Northeast Region	1	8	2
South-Central Region	0	4	6
Southeast Region	0	0	1
Upper-Cumberland Region	0	10	0
West Tennessee Region	0	10	21
Grand Total	6	111	74

Vaccine Breakthrough Cases in TN⁶

CDC defines COVID-19 Vaccine Breakthrough Cases as a U.S. resident with SARS-CoV-2 RNA or antigen detected on a respiratory specimen collected ≥ 14 days after completing the primary series of an FDA-authorized COVID-19 vaccine. To learn more about breakthrough cases across the US and how they are being reported to the CDC:

<https://www.cdc.gov/vaccines/covid-19/health-departments/breakthrough-cases.html>

Overall Metrics:

COVID-19 Outcome	Breakthrough	Total	%
Cases	33,847	1,120,685	3.0 %
Hospitalized Cases*	657	31,502	2.1 %
Deceased Cases**	232	13,879	1.7 %

Symptoms:

Symptoms	Breakthrough Cases
Yes	5,706
No	841
Unknown	27,300

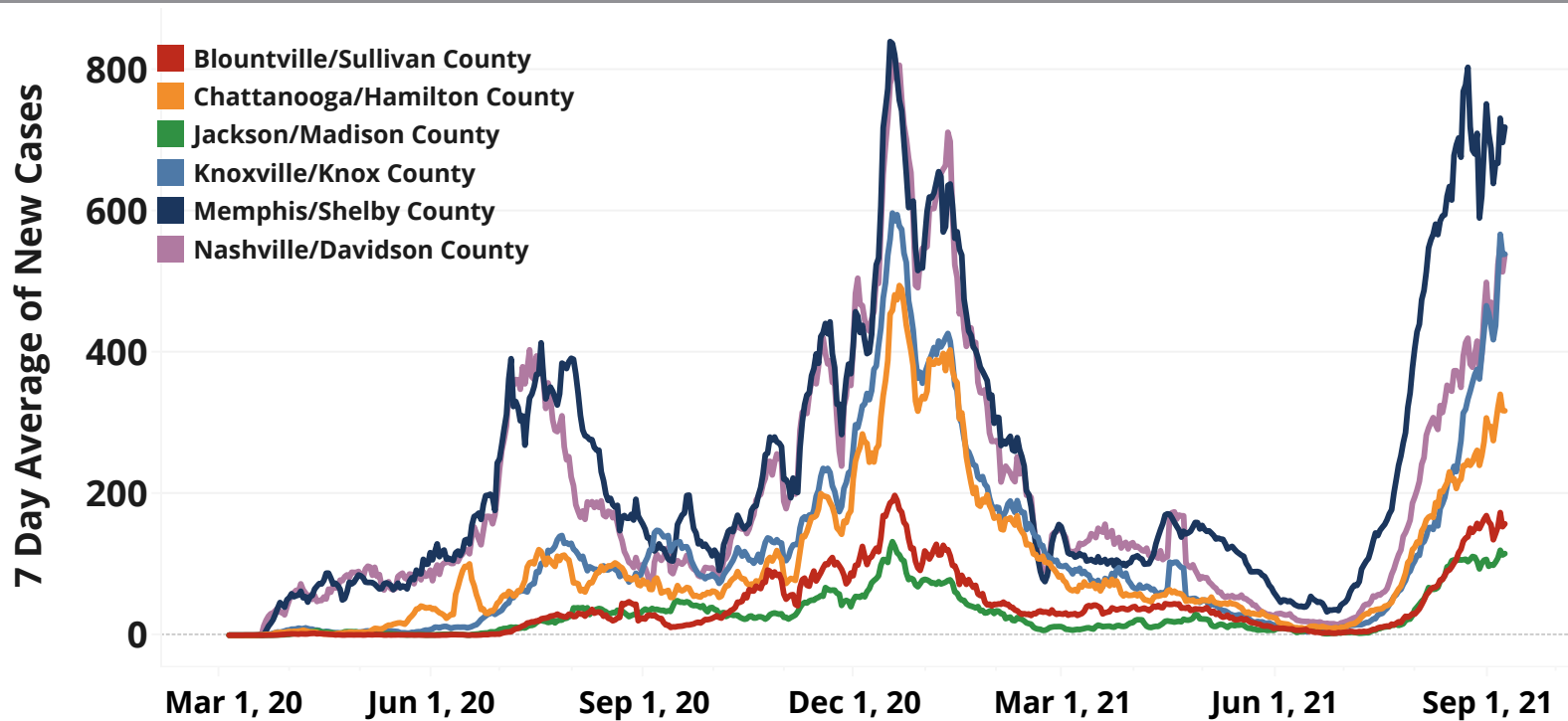
Summary of Recent Breakthrough Cases:

Month	% of Cases Unvaccinated	% of COVID Hospitalizations Unvaccinated*	% of COVID Deaths Unvaccinated**
May- July	90%	88%	94%

* **Hospitalizations:** Hospitalization data is reported from case interviews or via Tennessee Hospital Association data. Please note, TDH currently conducts more robust active surveillance for hospitalized COVID-19 cases that are vaccinated than for those that are unvaccinated; therefore the data for hospitalizations among the unvaccinated may be more incomplete. We are working to improve the completeness of our hospitalization data.

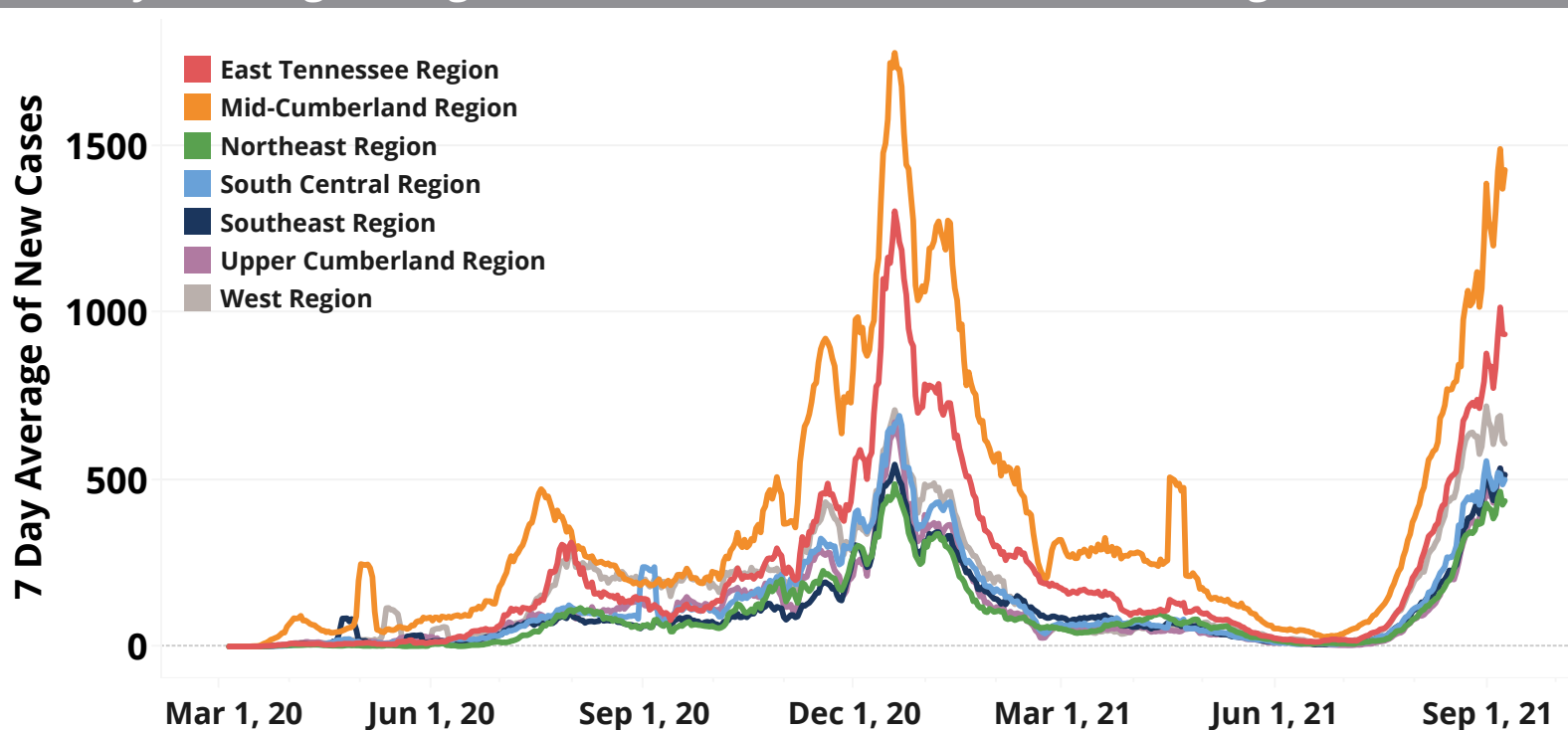
** **Deaths:** Deaths where COVID-19 is a cause or contributing factor listed on the death certificate. Other cases may still be under investigation.

7 Day Running Average of New Cases in Metropolitan Public Health Regions⁷



The plot above illustrates the 7 day running average of new COVID-19 cases (based on the date of public report) for the six metropolitan public health regions. The Nashville/Davidson and Memphis/Shelby metropolitan areas have consistently reported higher counts of COVID-19 cases compared to the other four metropolitan areas since the outbreak began.

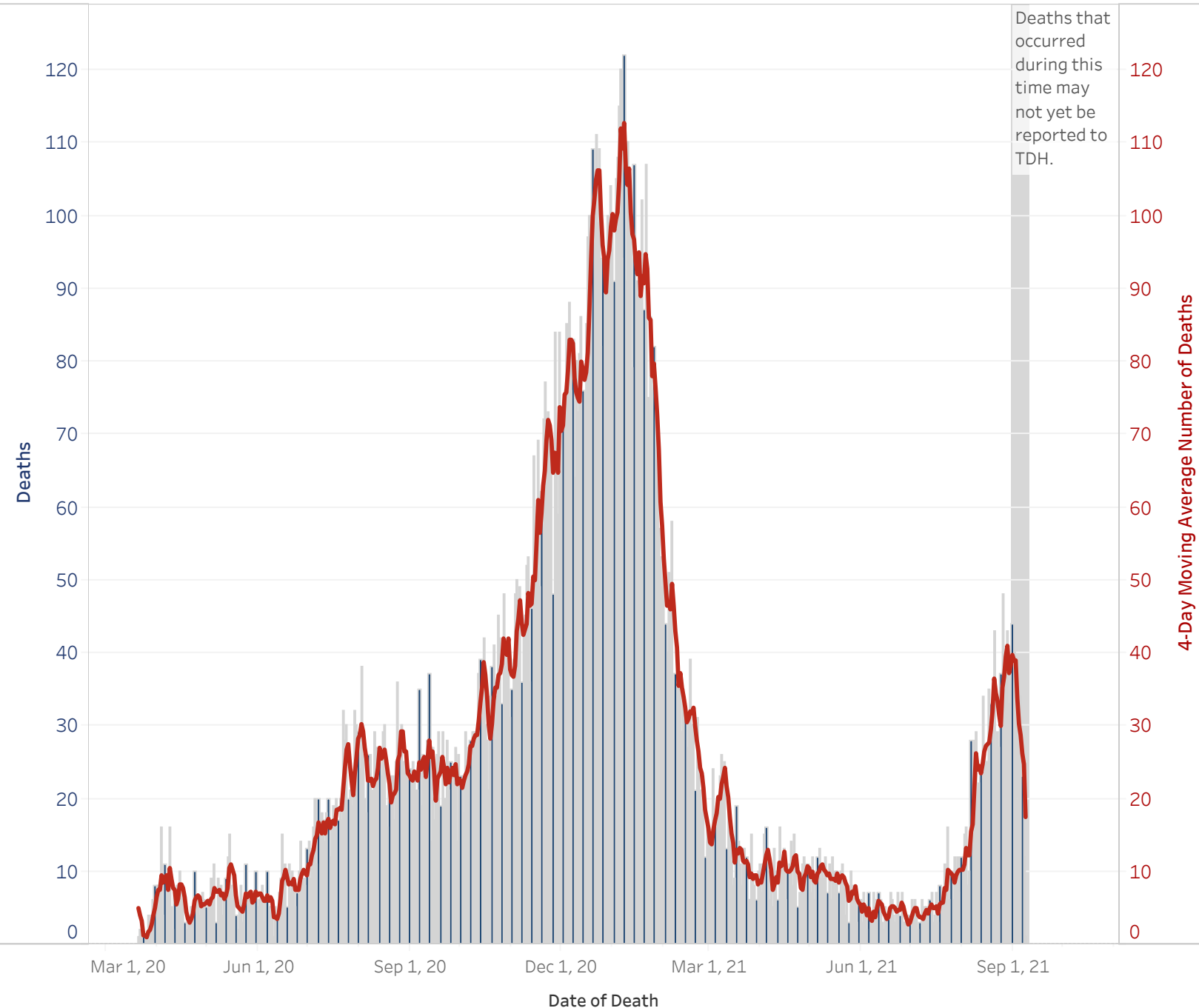
7 Day Running Average of New Cases in Rural Public Health Regions⁷



The plot above illustrates the 7 day running average of new COVID-19 cases (based on the date of public report) for the seven rural public health regions.

Number of Deaths per Day (by date of death)₈

On September 8, 2021, the total number of confirmed COVID-19 deaths was 13,879 (11,175 confirmed and 2,704 probable). Below are the number of COVID-19 deaths by the date of death. The red line represents the 4 day running average number of deaths.



Case Fatality Rate:
1.2%
(13,879/1,119,545)

30-Day Case Fatality Rate:
0.5%
(882/181,022)

COVID-19 Active Cluster Monitoring Table⁹

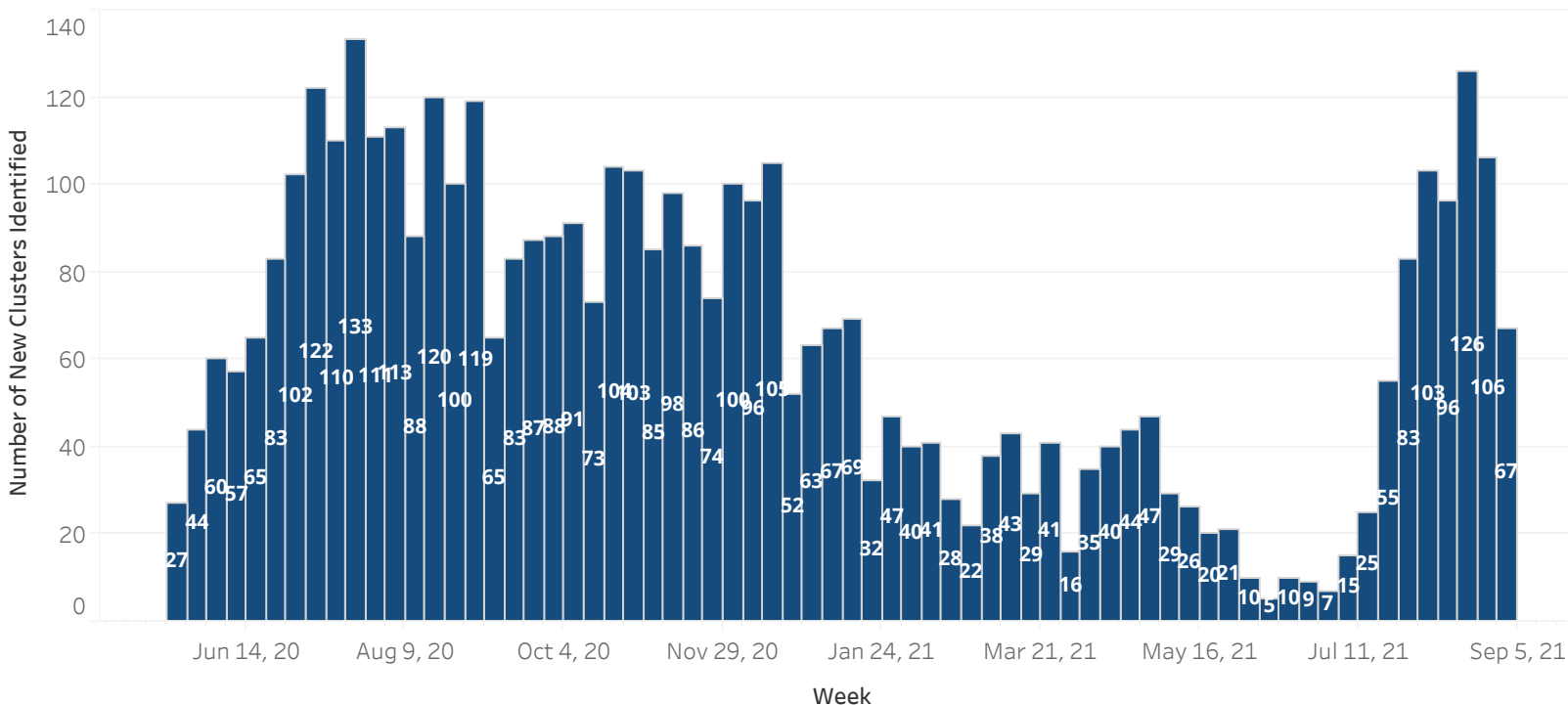
The table below shows the number active COVID-19 clusters that are currently being monitored by region and cluster type. To learn more cluster and cluster types, please reference the endnotes on page 14.

Facility Type	CHR	ETR	JMR	KKR	MCR	MSR	NDR	NER	SCR	SER	SUL	UCR	WTR	Total
Assisted Care Living Facility	1	9	1	13	15	2	4		1	5	2	5	6	64
Bar							3							3
Community	20	5	5	70	6	27	28	5			5	11	3	186
Construction/Building					1									1
Correctional	1	4	1	1	3	1	5	2		3	1	2	8	32
Farm												1	1	2
Homeless Shelter						1	1							2
Industrial	2		3		1	1				2		3	8	20
Nursing Home	7	27	2	15	29	6	12	2	8	17	5	15	24	169
Other facility	7	10	5	15	7	9	5		1		1	3	6	69
Other Healthcare	1			2										3
Restaurant	1				1	2	1							5
Summer Camp										1				1
Total	40	55	17	116	63	49	59	9	10	28	14	40	56	557

For more information on the metro and regional health departments, please [click here](#) or see page 15.

COVID-19 Confirmed Clusters by Week¹⁰

The visualization below shows the number of new clusters identified in Tennessee each week.



Trends in COVID-19 Symptoms in TN

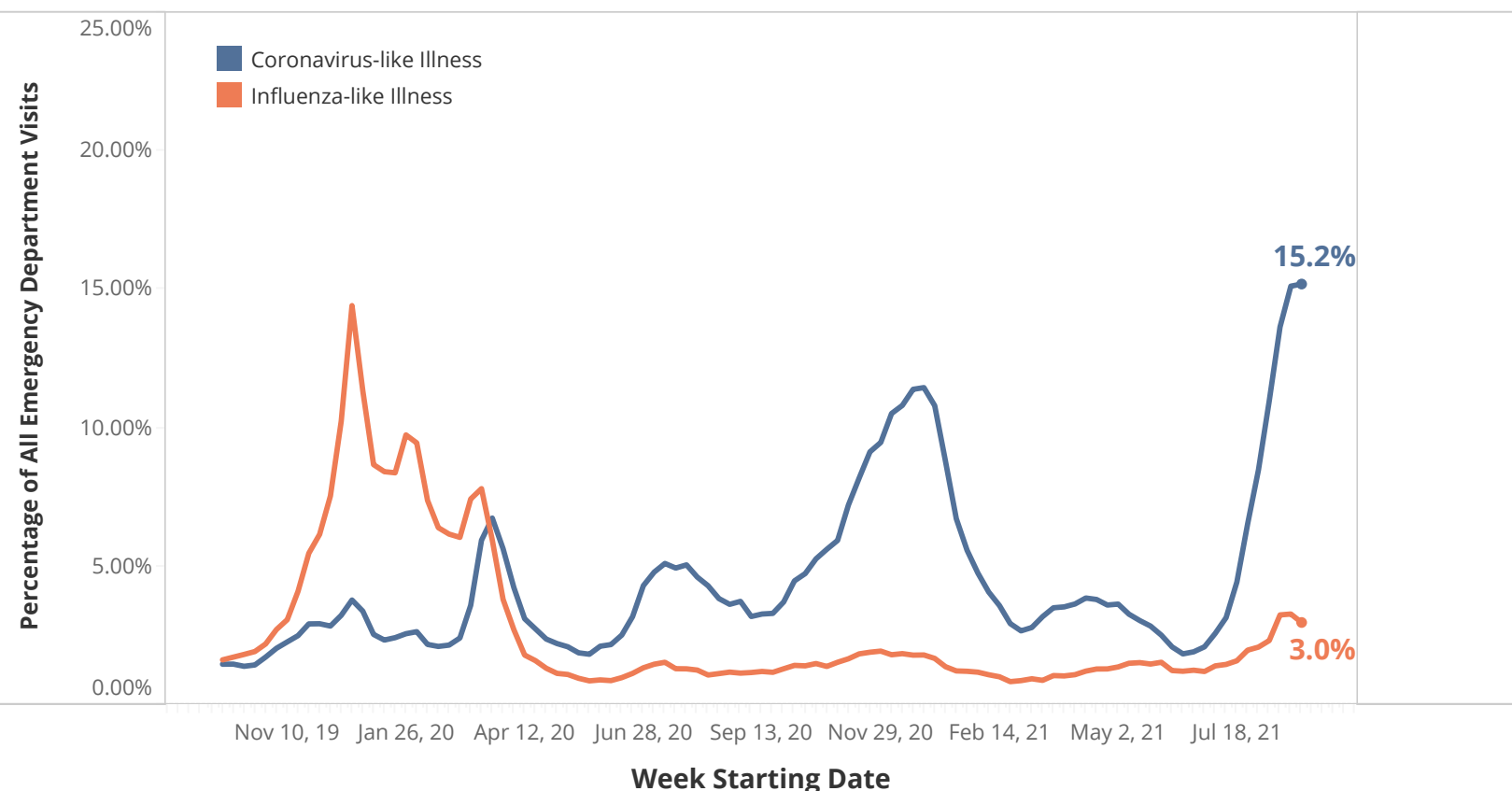
The following section will visualize the trends in COVID-19 symptoms based on data collected through TN's syndromic surveillance system, ESSENCE. ESSENCE tracks patient chief complaints and discharge diagnoses from 95 emergency departments across the state. The data are typically received from participating EDs within 24 hours of a patient encounter. These data are used to get pre-diagnostic estimates of health conditions (like COVID-19) being reported from emergency departments.



White House State Gating Criteria: Symptoms

Downward trajectory of ILI reported within a 14-day period
AND
 Downward trajectory of COVID- like (CLI) syndromic cases reported within a 14 day period

Syndromic Surveillance (Emergency Room) Data¹¹



Coronavirus like illness (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.

Influenza like illness (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.

Trends in COVID-19 Testing Capabilities

The following section will visualize the COVID-19 testing trends in TN, including laboratory testing turnaround time and the rates of testing across the state.

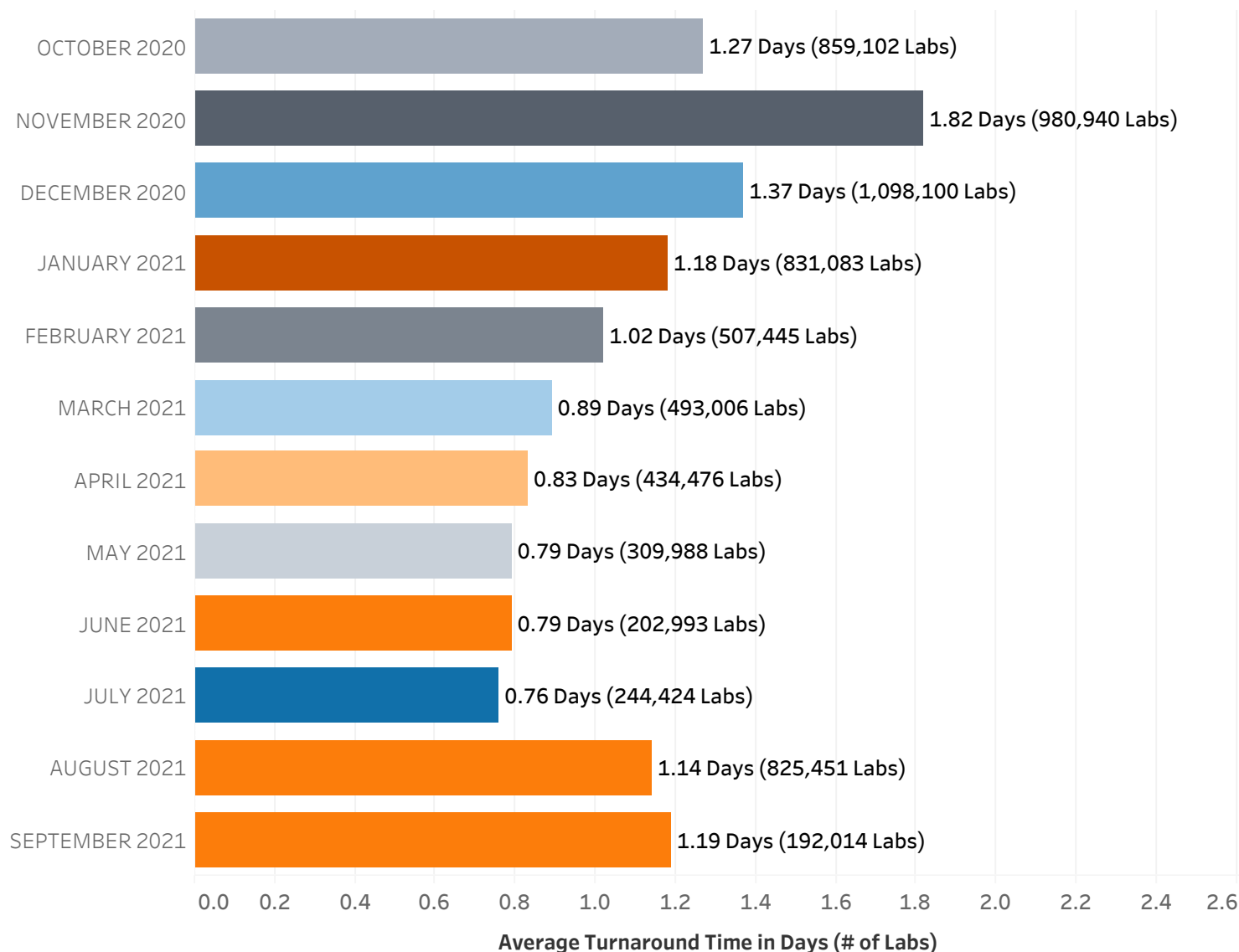


White House State Gating Criteria: Testing Capabilities

- * Ability to quickly set up safe and efficient screening and testing sites for symptomatic individuals and trace contacts of COVID+ results
- * Ensure sentinel surveillance sites are screening for asymptomatic cases and contacts for COVID+ results are traced

Laboratory Testing & Turnaround Time¹²

Below is the number of COVID-19 laboratory tests conducted in TN over the last year as well as the average laboratory turnaround time by month.



Trends in COVID-19 Hospital Capacity

The following section will visualize trends in hospital capacity, including the number of COVID-19 positive patients currently admitted, hospital bed utilization, and bed/ventilator availability. All of the visualizations below were created using data from the TN Healthcare Resource Tracking System (HRTS), a tool developed by TDH that manages healthcare facility bed, service and asset availability. These data are reported by hospitals across TN daily.



White House State Gating Criteria: Hospital Capacity

Treat all patients without crisis care

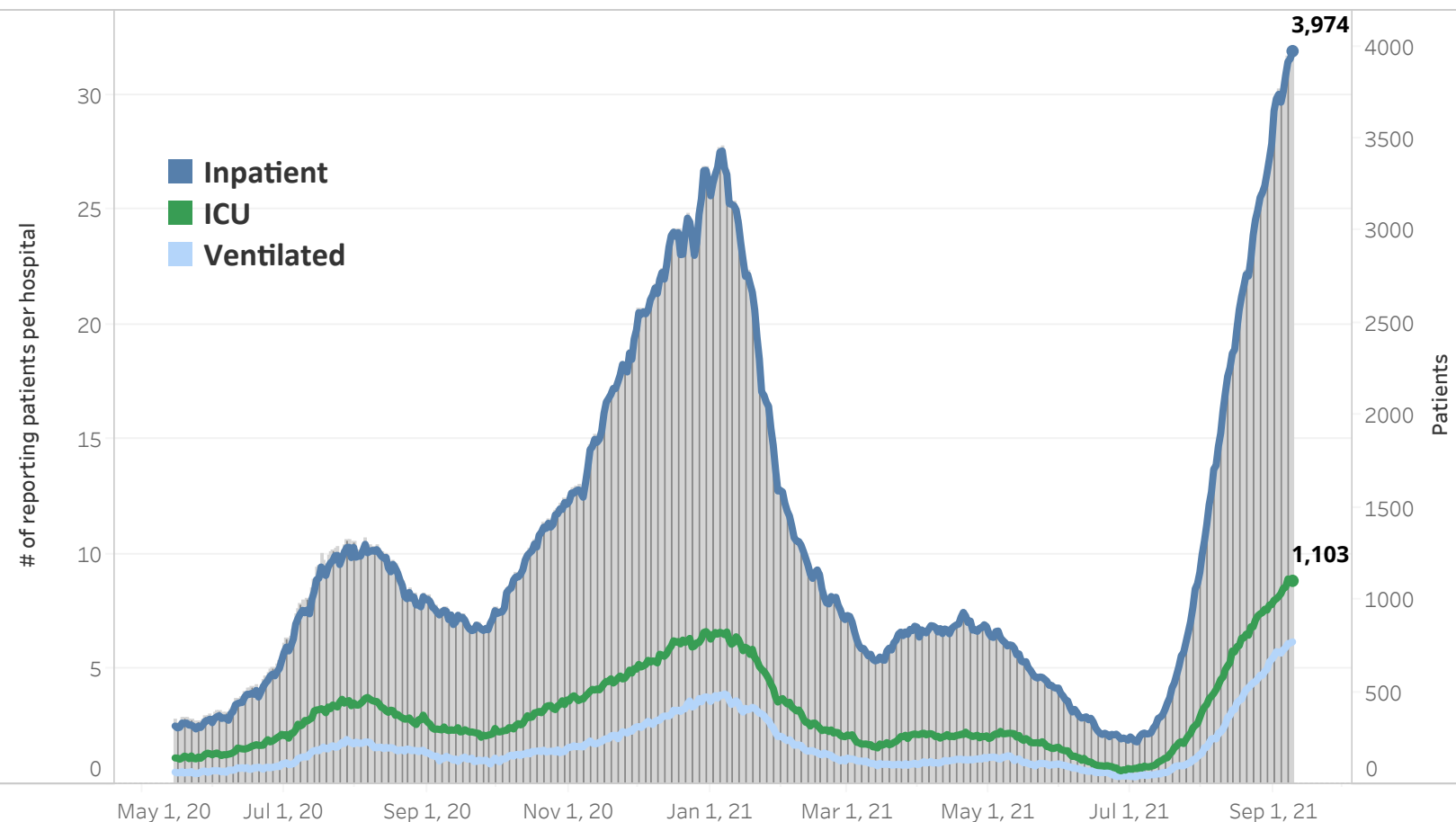
AND

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

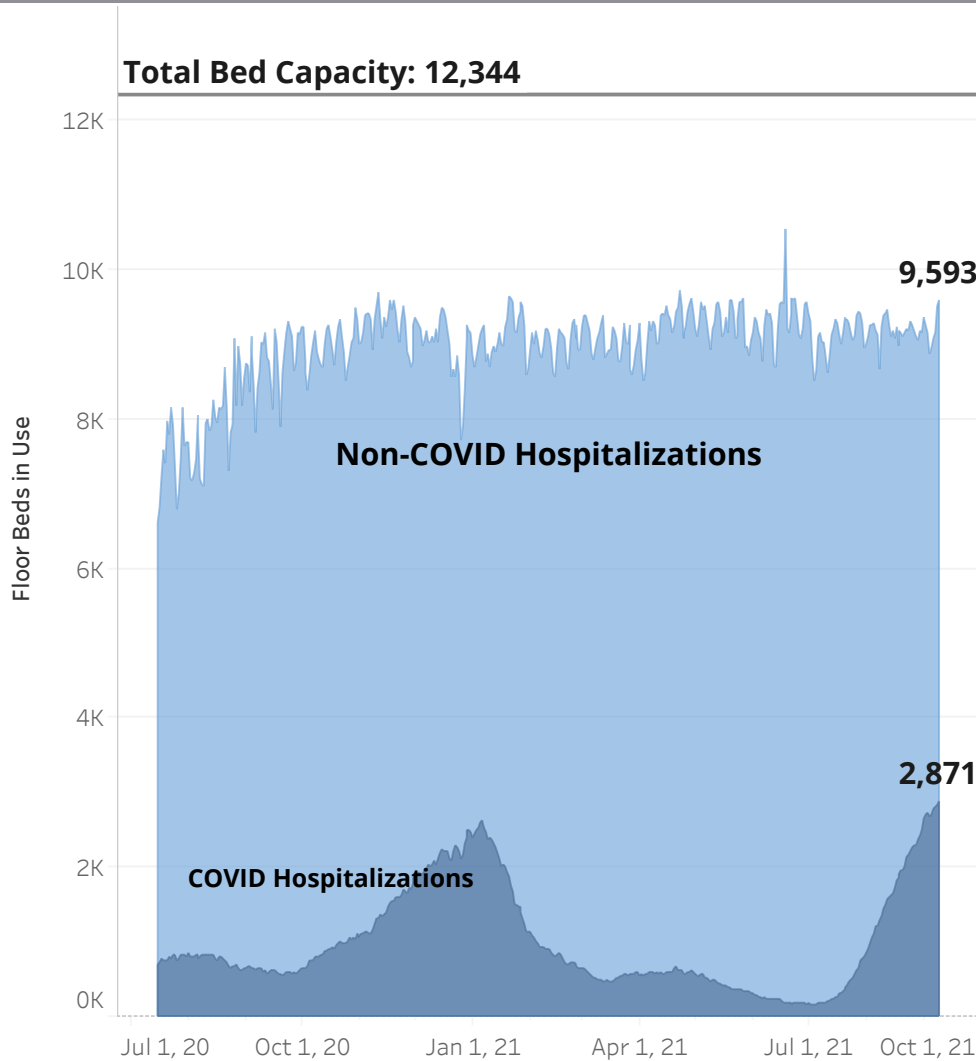
Number/Rate of COVID-19 Hospitalized Patients¹³

Below is the number of COVID-19 patients currently hospitalized (dark blue), and of those hospitalized who are in the ICU (green) and are using ventilators (light blue). The grey bar represents the number of patients per reporting hospital, a rate that can help us better interpret changes in COVID-19 hospitalizations (as not all hospitals report each day).

The total number of COVID-19 positive patients hospitalized across TN on September 09, 2021 was **3,974**. There are 1,103 COVID-19 patients currently in the ICU and 772 utilizing ventilators. The number of admitted patients per hospital reporting was 31.29 (with 114 hospitals reporting).



Hospital Utilization and Confirmed COVID Hospitalizations in TN¹³



This visual illustrates the total number of hospital beds (adult floor beds) occupied by non-COVID-19 (light blue) and confirmed COVID-19 patients (darker blue) since July 15th, 2020.

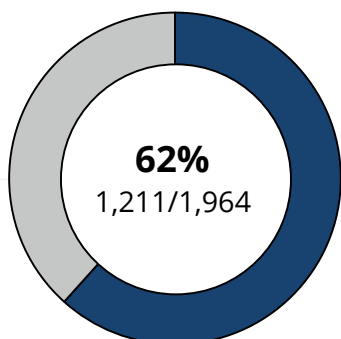
Additionally, please note the following:

- On December 18, 2020 this visualization was changed to compare the number of hospital beds (adult floor beds) occupied by non-COVID-19 patients and confirmed COVID-19 patients (excluding COVID-19 patients using ICU beds) across TN.

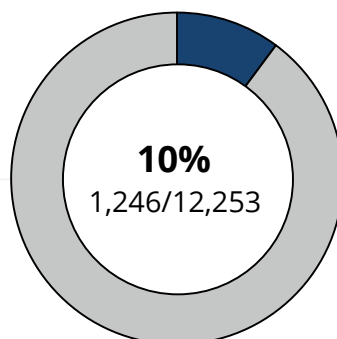
- On September 9, 2021, 29.9% (2,871/9,593) of floor bed hospitalizations in Tennessee were COVID-19 patients.

Quick Glance at Hospital Bed & Ventilator Availability¹³

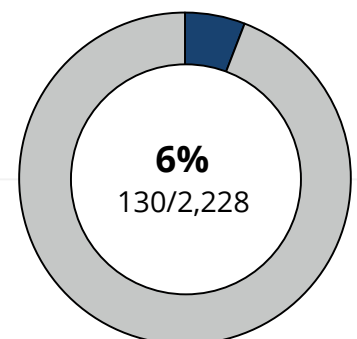
Below is a brief snapshot of the currently available floor beds, ICU beds and ventilators across TN.



Available Adult Ventilators



Available Floor Beds



Available ICU Beds

Technical Notes

1. Epidemic Curve for COVID-19 Cases by Specimen Collection Date (page 2)

The visualization on page 2 shows the daily new COVID-19 cases (blue bars) and 7-day moving average of new cases (red line). A seven day moving average is the average of one data point and the six preceding data points. Looking at the moving average helps to understand trends and account for fluctuations in the data.

Are probable cases included in the Epidemic Curve?

Probable cases are included in the epidemic curve in this report. For the probable cases where specimen collection date is not available, the date the patient's illness or symptoms began is used.

Can I recreate this with TDH publicly available data?

Not exactly. The public downloadable datasets (**Daily Case Information**) present COVID-19 case counts based on the day they were publicly reported, not specimen collection date. However, using the column New_Cases one can create a similar visualization. The primary difference between the visualization using the public dataset method and the one in this report would be that the trends seen in this report should align with trends seen roughly 2-5 days later in the public dataset visualization. Again, this would be because of the 2-5 day lag between specimen collection date and public report date.

2. Statewide Number and Rate of Active Cases (page 3)

The visualization on page 3 shows the number (light blue bars) and rate (dark blue line) of active cases each day in TN.

How does TDH count recovered COVID-19 Cases?

The number of active COVID-19 cases are determined by: total number of cases - inactive/recovered cases. TDH considers a case "inactive/recovered" when: 1) they are at least 14 days beyond their symptom onset date, or are at least 14 days beyond the first test confirming illness if asymptomatic, and 2) are not deceased.

How is the rate of active cases calculated?

The active rate is the total number of individuals who actively have COVID-19 in TN divided by the state population, see example calculation and interpretation below. The population of the state is from the 2018 projected population estimate for Tennessee.

Can I recreate this with TDH publicly available data?

Yes. Using the public downloadable datasets (Daily Case Information) you can use the column Total_Active to get the daily number of active cases and the instructions above to calculate the rate. If you want to understand how TDH calculates "Total Active" you can calculate it yourself by subtracting the number of recovered cases (Total_Recovered) and the number of cases who have died (Total_Deaths) from the total number of cases (Total_Cases).

3. Daily Percent of Positive COVID-19 tests (page 3)

The visualization on page 3 shows the daily positivity rate (blue line) as well as two thresholds that indicate if the positivity rate was above either 5% or 10%.

How is the daily percent of positive tests calculated?

The daily percent of positive tests is calculated by taking the number of new positive tests for that day divided by the total number of new tests for that day. These numbers are publicly available in the downloadable data- Daily Case Info. While the number of new tests conducted that day can be found in the column New_Tests, the new positive number of tests can be calculated by subtracting yesterdays total Pos_Tests from today's total Pos_Test.

Daily Percent of Positive COVID-19 tests (page 3) continued

Can I recreate this with TDH publicly available data?

Yes. Using the public downloadable datasets (Daily Case Information) and the instructions above one is able to recreate the visualization.

4. TN SARS-CoV-2 Variant Case Summary (page 4)

The table on page 4 summarizes the COVID-19 variant cases identified in TN (learn more about variants at https://www.cdc.gov/coronavirus/2019-ncov/variants/variant-info.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fcases-updates%2Fvariant-surveillance%2Fvariant-info.html).

Can I recreate this with TDH publicly available data?

No. The count of variant cases is not currently available in the TDH provided public data sets.

5. Positive Tests per 100,000 Persons by Public Health Region (Over the last 7 Days) (page 4)

The regional level map shows the number of new positive tests per 100,000 persons by public health region in the last 7 days. The arrows indicate trends (up or down) of the new positive tests rate compared to the week prior.

How is the number of positive tests per 100,000 persons calculated in the map?

These rates are calculated by taking the number of new positive tests for the region divided by the region's population. This is then multiplied by 100,000 to have the number per 100,000 persons.

Are the number of cases the same as the number of positive tests?

No, not necessarily. The number of positive tests is the total number of PCR-positive laboratory results that have been reported to TDH, while the number of cases are individual people who are either confirmed or probable COVID-19 cases. Individuals are only counted once in this number, no matter how many positive tests they might have had. Therefore, if an individual tested positive multiple times in a given week in the same area they would be counted multiple times in this map (but would only be counted once in the case counts).

Can I recreate this with TDH publicly available data?

Yes. The numbers required to create the calculation explained above are publicly available in the County New dataset but only at the county level. In order to recreate this visualization one will need to group the counties (and county populations) by their public health region (can be found at <https://www.tn.gov/content/dam/tn/health/program-areas/oral-health/dental-regional-metro-areas.jpg>).

6. Vaccine Breakthrough Cases in TN (page 5)

The table on page 5 shows some demographic, hospitalization, and death metrics for the COVID-19 vaccine breakthrough cases identified in TN. To learn more about breakthrough cases and how they are reported see <https://www.cdc.gov/vaccines/covid-19/health-departments/breakthrough-cases.html>.

What is a breakthrough case?

CDC defines COVID-19 Breakthrough Cases as a U.S. resident with SARS-CoV-2 RNA or antigen detected on a respiratory specimen collected ≥ 14 days after completing the primary series of an FDA-authorized COVID-19 vaccine. All cases meeting this definition through April 30th are reported. As of May 1st, CDC asked that only cases with severe outcomes (hospitalization or death) be reported.

Can I recreate this with TDH publicly available data?

No, vaccine breakthrough information is not publicly available.

7.7 Day Running Average of New Cases in Metropolitan and Rural Public Health Regions (see page 6)

The visualizations on page 6 show the 7 day running average of new COVID-19 cases for all of the metropolitan and rural public health regions. These new case counts are based on their public report date and not specimen collection date. A 7 day moving average is the average of one data point and the six preceding data points. Looking at the moving average helps to understand trends and account for fluctuations in the data.

7 Day Running Average of New Cases (page 6 & 7) continued

Can I recreate this with TDH publicly available data?

Yes, using the downloadable dataset- County New and the column New_Case, one is able to see the daily counts at the county level. These counts can be added together to create the daily new case counts for each public health region. The 7 day average of new cases can be then calculated by totaling the daily new case counts (by region) for today and the previous 6 days and then dividing by 7.

8. Number of Deaths per Day (by date of death) (page 7)

The visualizations on page 7 show the number of COVID-19 deaths by date of death (blue bars) and the 4-day moving average of the number of deaths. A four day moving average is the average of one data point and the three preceding data points. Looking at the moving average helps to understand trends and account for fluctuations in the data.

What is a probable death?

A probable COVID-19 death is if a person dies and the health care provider that signed their death certificate determined that COVID-19 disease was their cause of death or a significant condition contributing to death, then the person meets the probable case criteria and would be considered a probable death.

Is date of the death the same day it is publicly reported?

No, similarly to specimen collection date, the date of death frequently occurs 2-5 days before the death is reported to the public due to lag time in reporting. Therefore, the most recent day's data may not be complete.

How can I calculate the Case Fatality Rate? What about the 30-Day Case Fatality Rate?

A case fatality rate is calculated by taking the total number of COVID-19 deaths divided by the total number of COVID-19 cases. A 30-day case fatality rate would only look at the total number of deaths and number of cases for the last 30 days. Both of these rates can be produced using the publicly downloadable datasets (Daily Case Information).

Can I recreate this with TDH publicly available data?

Not exactly. The public downloadable datasets-Daily Case Information presents COVID-19 deaths based on the day they were publicly reported, not the date of death. However, using the New_Deaths column one can create a similar visualization. The primary difference between the visualization using the public dataset method and the one in this report would be the trends seen in this report should align with trends seen roughly 2-5 days later with the public dataset visualization. Again, this would be because of the 2-5 day lag between date of death and public report date.

9. COVID-19 Active Cluster Monitoring Table (page 8)

The table on page 8 displays the number of active COVID-19 clusters that are currently being monitored by region and cluster type.

What the definition of a COVID-19 Cluster?

A COVID-19 cluster is two (2) or more confirmed cases (with positive lab results) of COVID-19 that are linked by the same location of exposure (for example a hospital, nursing home, grocery store, corrections facility, etc.) or exposure event (for example a work party, vacation, etc.) that is not a household exposure. In TN, the most commonly reported clusters have been in corrections facilities and nursing homes.

Cluster Types Quick Definitions-

Community clusters include those associated with:

- First Responders
- Religious/spiritual organizations
- Daycares, educational settings
- Apartment complexes

COVID-19 Active Cluster Monitoring Table (page 8) continued

Businesses
Shopping facilities
Sports/fitness facilities
Other facilities clusters include facilities such as camps.
Other Healthcare clusters include provider types such as:
Mental health institutions
Pharmacies
Home health agencies
Dentist offices

Metro/Regional Health Department Abbreviations:

CHR	Chattanooga Hamilton County Health Department
ETR	East Tennessee Regional Health Department
JMR	Jackson Madison County Health Department
KKR	Knoxville Knox County Health Department
MCR	Mid Cumberland Regional Health Department
MSR	Memphis Shelby County Health Department
NDR	Nashville Davidson County Health Department
NER	Northeast Regional Health Department
SCR	South Central Regional Health Department
SER	Southeast Regional Health Department
SUL	Sullivan County Health Department
UCR	Upper Cumberland Regional Health Department
WTR	West Tennessee Regional Health Department

Can I recreate this with TDH publicly available data?

No, cluster information is not publicly available.

10. COVID-19 Confirmed Clusters by Week (page 8)

The visualization on page 8 shows the new clusters identified in Tennessee each week.

What the definition of a COVID-19 Cluster?

A COVID-19 cluster is two (2) or more confirmed cases (with positive lab results) of COVID-19 that are linked by the same location of exposure (for example a hospital, nursing home, grocery store, corrections facility, etc.) or exposure event (for example a work party, vacation, etc.) that is not a household exposure. In TN, the most commonly reported clusters have been in corrections facilities and nursing homes.

Can I recreate this with TDH publicly available data?

No, cluster information is not publicly available.

11. Syndromic Surveillance (Emergency Room) Data (page 9)

The visualizations on page 9 shows the percent of all emergency room visits in that are reporting both Coronavirus like Illness (CLI) and Influenza like Illness (ILI) in TN. This dashboard can also be found online here.

Can I recreate this with TDH publicly available data?

Yes and no. While ESSENCE data is not included in the publicly available datasets, the dashboard above does provide the weekly percent of ILI and CLI symptoms in the tool tips. Therefore, one could recreate the visualization if desired.

Can I recreate this with TDH publicly available data?

Yes and no, while lab turnaround time is not publicly reported, the lab testing volume can determined using the New_Tests column of the Daily Case Information public dataset.

The visualization on page 10 shows the volume of COVID-19 lab testing and average turnaround time for the months of March through October (so far) in 2020.

Can I recreate this with TDH publicly available data?

Yes and no, while lab turnaround time is not publicly reported, the lab testing volume can be determined using the New_Tests column of the Daily Case Information public dataset. This dataset can be found at <https://www.tn.gov/health/cedep/ncov/data/downloadable-datasets.html>.

13. HRTS-Reported Hospitalizations & Bed Capacity (page 11 and 12)

The visualizations see on pages 11 and 12 shows TN's hospital capacity through active hospitalizations, current bed utilization, and bed availability.

Can I recreate this with TDH publicly available data?

No, HRTS data is not publically available.

To access all the downloadable datasets mentioned in the technical notes, please see:
<https://www.tn.gov/health/cedep/ncov/data/downloadable-datasets.html>