COVID-19 Epidemiology Update
from the Tennessee Department of Health

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COVID-19 Surveillance
TN Dept of Health
Map of Confirmed Cases of B.1.1.529 Variant

*From December TICUA Call

Courtesy of BNO News: https://newsnodes.com/nu_tracker
Variant Proportions in US

HHS Region 4: 10/10/2021 – 1/15/2022

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

<table>
<thead>
<tr>
<th>WHO label</th>
<th>Lineage #</th>
<th>US Class</th>
<th>% Total</th>
<th>95% PI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Omicron</td>
<td>B.1.1.529</td>
<td>VOC</td>
<td>99.7%</td>
<td>99.5-99.9%</td>
</tr>
<tr>
<td>Delta</td>
<td>B.1.617.2</td>
<td>VOC</td>
<td>0.3%</td>
<td>0.1-0.5%</td>
</tr>
<tr>
<td>Other</td>
<td>Other*</td>
<td>0.0%</td>
<td>0.0-0.0%</td>
<td></td>
</tr>
</tbody>
</table>

* Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.
** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates.

AY.1-AY.127 and their sublineages are aggregated with B.1.617.2. BA.1, BA.2 and BA.3 are aggregated with B.1.1.529.

https://covid.cdc.gov/covid-data-tracker/#variant-proportions
Case Counts: Rural Counties (through 1/15)
Case Counts: Metro Counties (through 1/15)

Graph showing the new cases over time for different counties.

- Blountville/Sullivan County
- Chattanooga/Hamilton County
- Jackson/Madison County
- Knoxville/Knox County
- Memphis/Shelby County
- Nashville/Davidson County
Current COVID Hospitalizations

3,060 adult hospitalizations
Tennessee Data Online

Weekly Summary: 01/09/22 - 01/15/22

<table>
<thead>
<tr>
<th>Cases</th>
<th>Deaths</th>
<th>Hospitalizations*</th>
<th>Tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>+16,226 per day last week</td>
<td>+86 per day last week</td>
<td>+75 per day last week</td>
<td>+30,916 per day last week</td>
</tr>
<tr>
<td>1,653,144 Total</td>
<td>21,694 Total</td>
<td>2,938 Total</td>
<td>11,679,355 Total</td>
</tr>
</tbody>
</table>

[Links to various COVID-19 data and reports]

www.tn.gov/health/cedep/ncov
Weekly Surveillance Data Updates

- Data updated on Wednesdays
- Include daily data for previous week

- Wednesday Updates
  - Green summary boxes
  - All dashboards
  - Downloadable datasets
  - Data sent to external partners
  - Syndromic data
  - HRTS hospitalization data

- Friday Updates
  - Critical Indicator Report
  - LTCF Cluster Data

CDC Data Tracker offers weekday data updates by county:

https://covid.cdc.gov/covid-data-tracker/#county-view
Vaccine Update (as of 1/10/2022)

• 8,784,232 doses administered

• Tennesseans with at least one dose (% of total population)
  – 4,012,227 or 58.3% (up from 57.9 %) ¹
  – National rate = 74.3% (up from 73.3 %) ²

• Tennesseans fully immunized (% of total population)
  – 3,548,355 or 51.5% (up from 51.3 %) ¹
  – National rate = 62.5% (up from 62.0 %) ²

¹ As reported by TennIIS: https://www.tn.gov/health/cedep/ncov/covid-19-vaccine.html
² As reported by CDC: https://covid.cdc.gov/covid-data-tracker/#vaccinations
Vaccine Uptake Trends

Total Number of COVID-19 Vaccine Doses Administered and Reported to TennIIS
By Week of Administration and Vaccine Manufacturer

~90K doses admin in the last 7 days
Tennessee Ranking

• 42nd for vaccine administration/100K population

• 44th for % of total population with at least one dose

• 44th for % of total population fully vaccinated

https://covid.cdc.gov/covid-data-tracker/#vaccinations
COVID-19 Vaccinations by Age Group

Age Group (Years)

- Percent Vaccinated (at least 1 dose)
- No Vaccine Received
- Fully Vaccinated
- Partially Vaccinated

Count of TN Population (in thousands)

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Count</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-11</td>
<td>505,908</td>
<td>14.0%</td>
</tr>
<tr>
<td>12-15</td>
<td>205,338</td>
<td>40.4%</td>
</tr>
<tr>
<td>16-20</td>
<td>228,189</td>
<td>46.3%</td>
</tr>
<tr>
<td>21-30</td>
<td>478,385</td>
<td>49.7%</td>
</tr>
<tr>
<td>31-40</td>
<td>376,013</td>
<td>57.8%</td>
</tr>
<tr>
<td>41-50</td>
<td>312,474</td>
<td>63.2%</td>
</tr>
<tr>
<td>51-60</td>
<td>274,176</td>
<td>69.5%</td>
</tr>
<tr>
<td>61-70</td>
<td>170,359</td>
<td>78.8%</td>
</tr>
<tr>
<td>71-80</td>
<td>399,366</td>
<td>84.5%</td>
</tr>
<tr>
<td>81+</td>
<td>169,449</td>
<td>79.8%</td>
</tr>
</tbody>
</table>
Do I qualify for a COVID-19 vaccine booster and which one?

<table>
<thead>
<tr>
<th>Which primary vaccine series did you complete?</th>
<th>Pfizer-BioNTech</th>
<th>Moderna</th>
<th>Janssen (J&amp;J)</th>
</tr>
</thead>
<tbody>
<tr>
<td>You can get a booster if:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Age 12+</td>
<td>It’s been at least 5 months since completing a primary series AND you are: Age 12+</td>
<td>It’s been at least 5 months since completing a primary series AND you are: Age 18+</td>
<td>It’s been at least 2 months since completing primary vaccination AND you are: Age 18+</td>
</tr>
</tbody>
</table>
| If eligible, you can get a booster of:       | Pfizer-BioNTech*  
Modern  
Janssen (J&J)  
*Only Pfizer-BioNTech can be used as a booster in those age 12-17. | Moderna  
Pfizer-BioNTech  
Janssen (J&J) | Janssen (J&J)  
Pfizer-BioNTech  
Moderna |

For more information, visit www.fda.gov/covid19vaccines.
Omicron Prevention

• Get vaccinated and boosted

• Order free COVID-19 tests
  – https://www.covidtests.gov/

• Wear a well-fitting mask

• Quarantine/Isolate as appropriate
Isolation and Quarantine Guidance

• CDC released guidance with shorter isolation and quarantine periods

• Case Isolation
  – Isolate at home for 5 days
  – Mask for 5 additional days

Isolation and Quarantine Guidance

- Quarantine recommendations depend on vaccination status
  - Up to date on COVID-19 vaccine
    - Boosted
    - Pfizer/Moderna series complete in last 6mo
    - J&J series complete in last 2 mo
  - Not up to date on COVID-19 vaccine
    - Unvaccinated
    - Pfizer/Moderna series completed >6mo ago, not boosted
    - J&J series completed >2 mo ago, not boosted

<table>
<thead>
<tr>
<th>Up to Date</th>
<th>Not Up to Date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10 days masking around others</strong></td>
<td><strong>5 days quarantine at home</strong></td>
</tr>
<tr>
<td>DAY 0 – Contact begins quarantine</td>
<td>DAY 0 – Contact begins quarantine</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Questions?

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