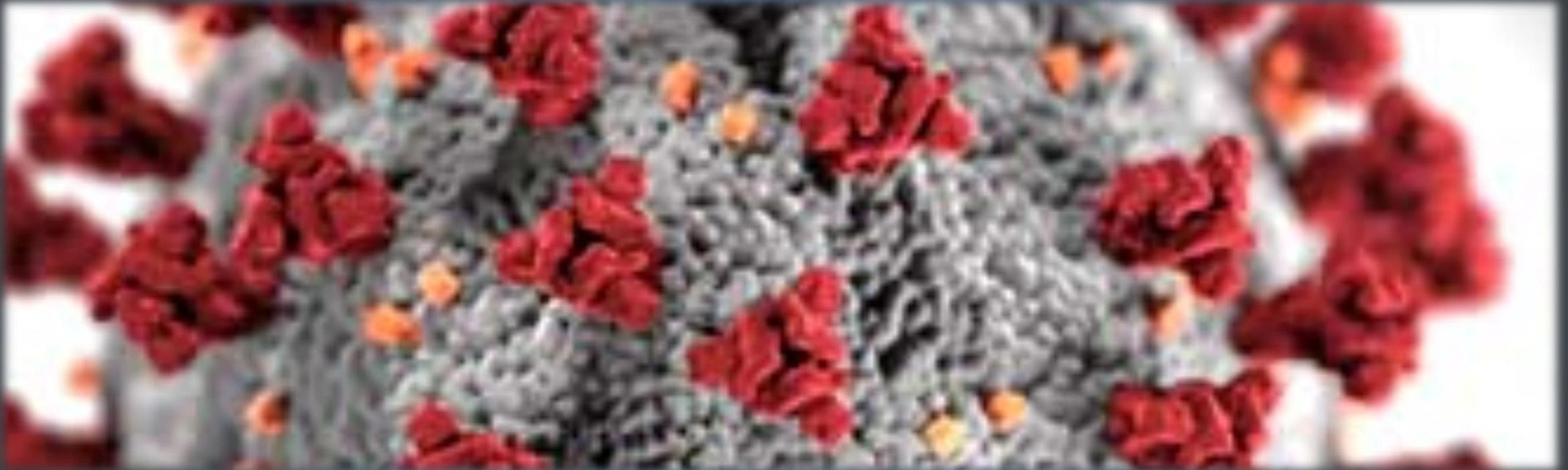




TEXAS
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Services

**Texas Department of State
Health Services**

COVID-19 Update

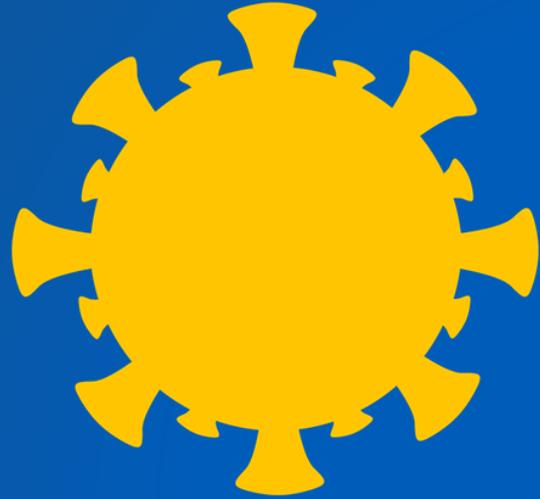


December 2, 2021

John W. Hellerstedt, MD, Commissioner

Jennifer Shuford, MD, MPH, Chief State Epidemiologist

Texas Department of State Health Services



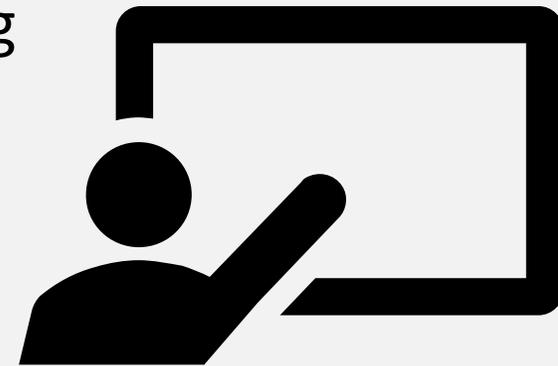
COVID-19 Snapshot



Snapshot: COVID-19 in Texas

As of December 2, 2021

- Total Cases:
 - 3,588,012
 - 7-day average for new daily cases is decreasing
- Current Hospitalizations:
 - 2,893 (increasing)
- Total Fatalities:
 - 72,808
 - 7-day average of new fatalities is slowly decreasing
- Molecular Positivity Rate:
 - 8.57% (increasing)



Variants of Concern (VOC)

Delta

- Over 99% of cases in the U.S.

Omicron

- 11/26/2021 World Health Organization (WHO) classified as a VOC
- 11/30/2021 Centers for Disease Control and Prevention (CDC) classified as a VOC
- As of 12/1/21, there has been one identified case in the U.S. and no cases identified in Texas

Prevention is Key

- Vaccination (including boosters for eligible individuals):
 - Remains our best prevention tool
 - Reduces the risk of future variants
- Wear a mask in public indoor settings in areas of substantial or high community transmission
- Wash your hands frequently
- Physically distance from others



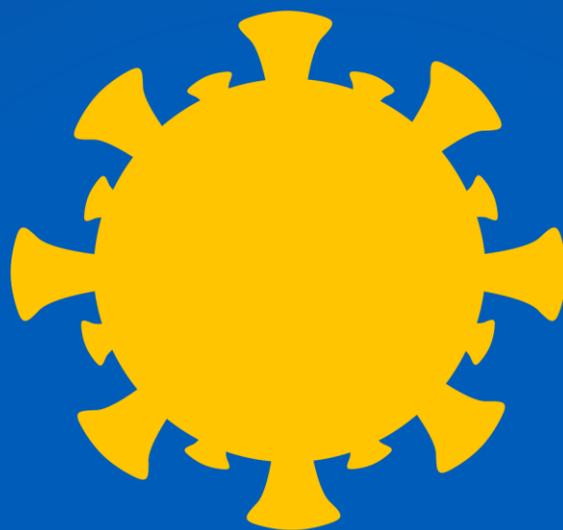
Dr. Jennifer Shuford, MD, MPH

Chief State Epidemiologist



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Services

Texas Department of State
Health Services



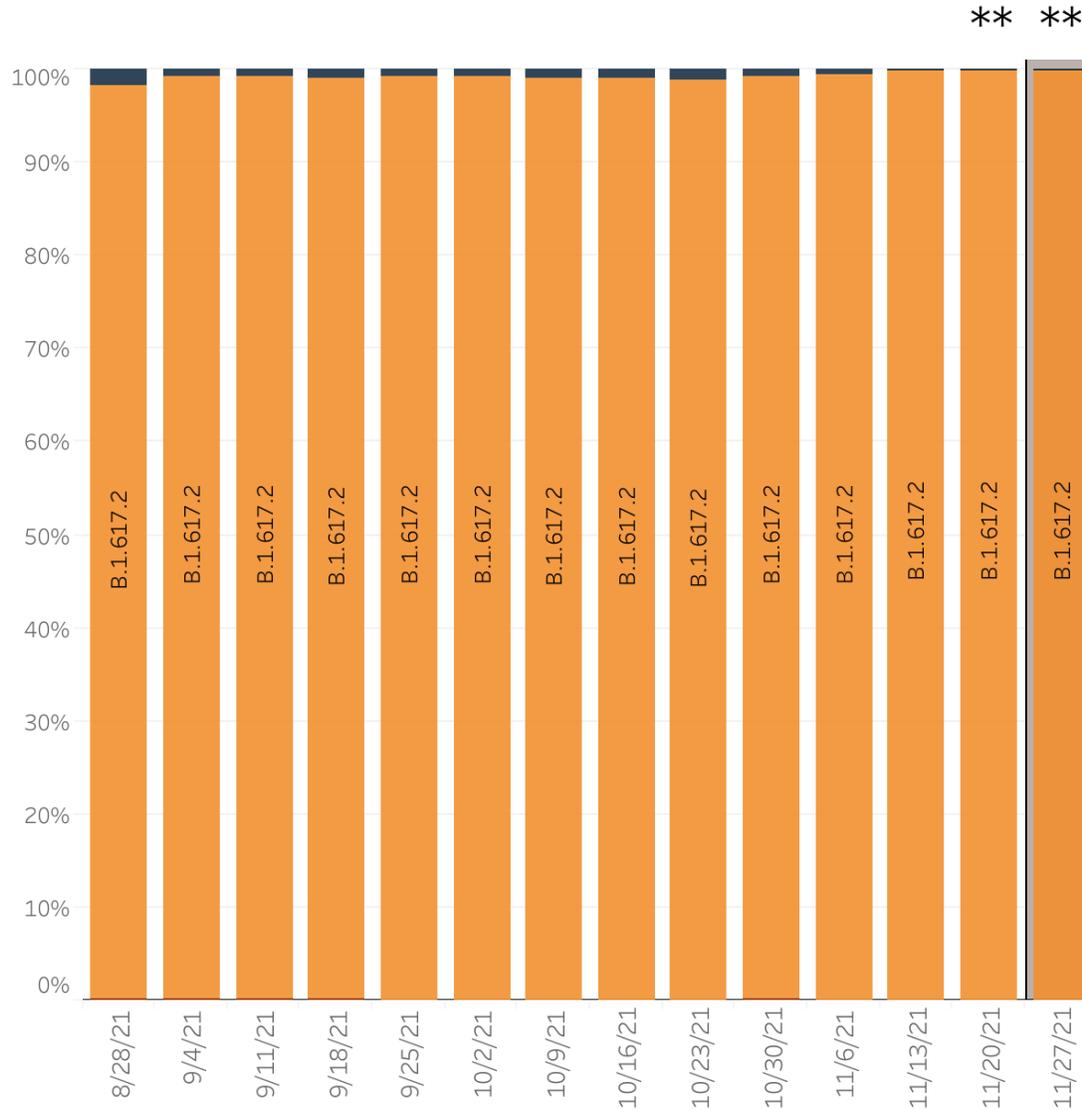
Epidemiological Trends: SARS-CoV-2 Variants



CDC- National Data, 8/21/2021 – 11/27/2021

United States: 8/22/2021 – 11/27/2021

United States: 11/21/2021 – 11/27/2021 NOWCAST



** **

USA

WHO label	Lineage #	US Class	%Total	95%PI
Delta	B.1.617.2	VOC	99.9%	99.9-99.9%
	AY.1	VOC	0.1%	0.0-0.1%
	AY.2	VOC	0.0%	0.0-0.0%
Other	Other*		0.0%	0.0-0.1%

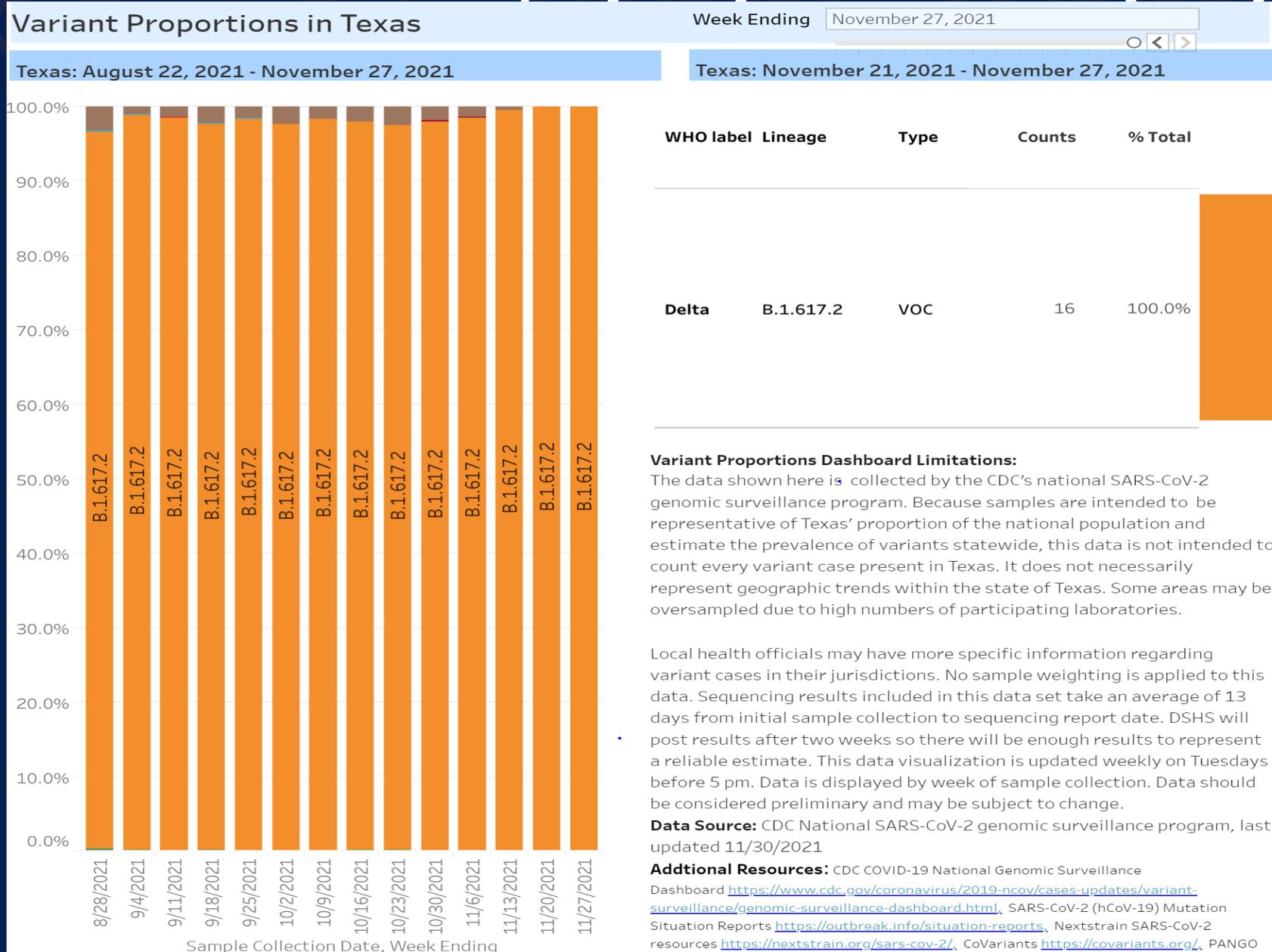


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CDC- Texas Data, 8/20/2021 – 11/27/2021



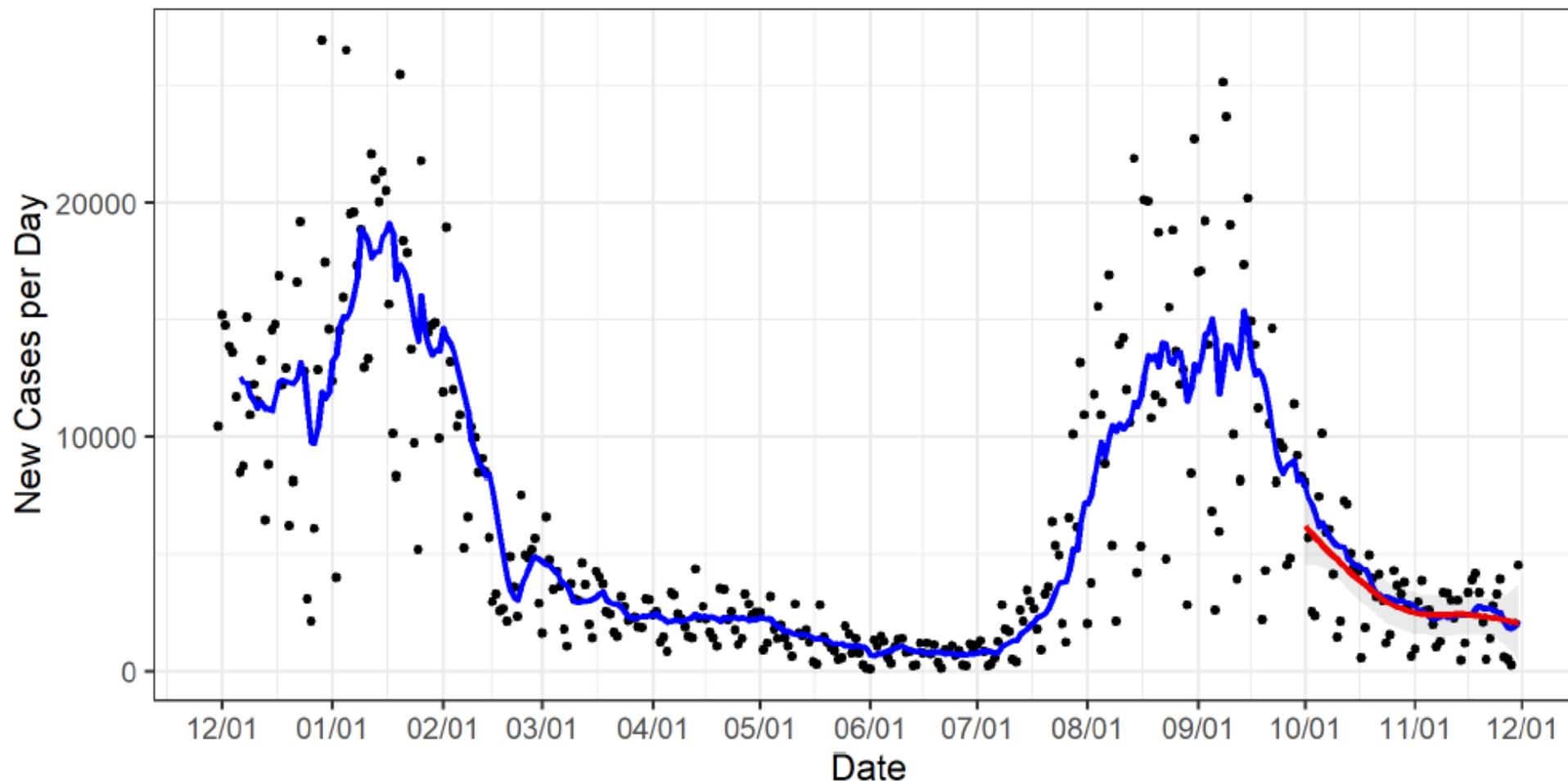
TEXAS

Health and Human Services

Texas Department of State Health Services

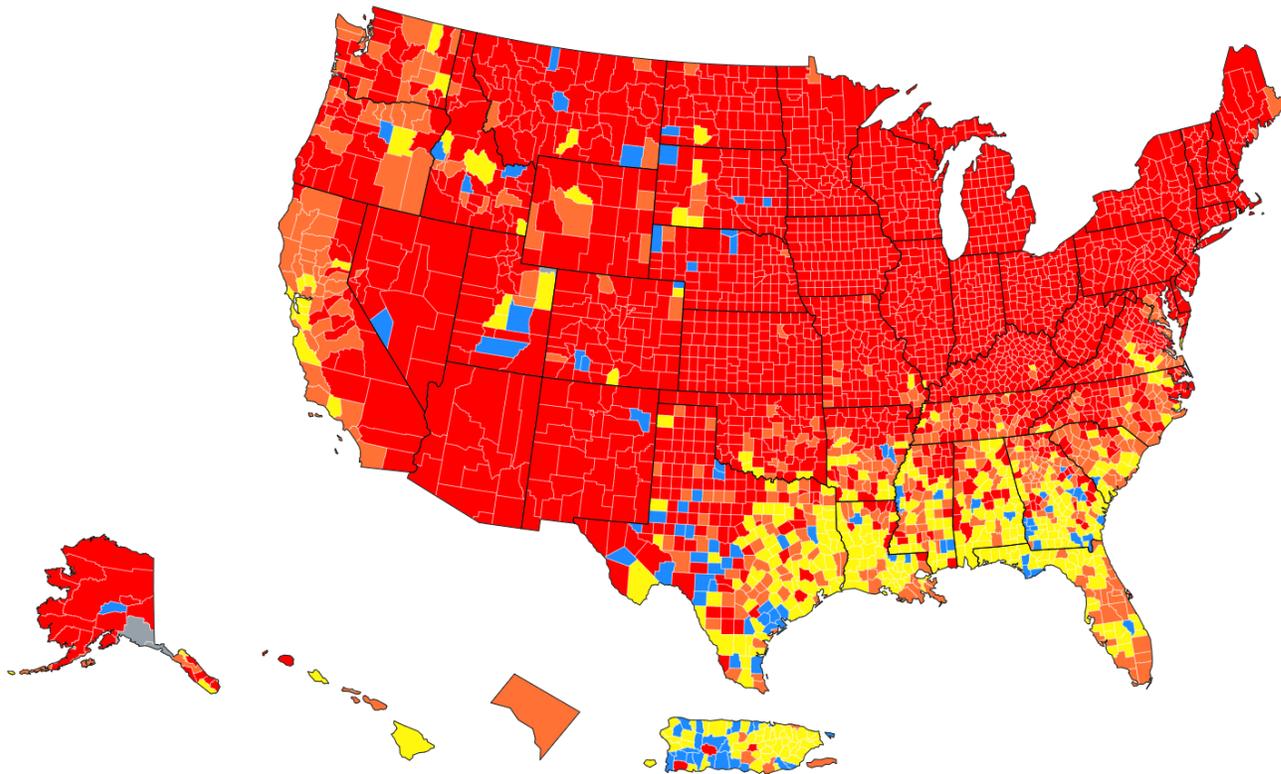
Texas New Cases per Day

Pop: 29.7M; Slope: -29.3; 100k: -0.1; 7 Day Avg: 2,173.3; 7/14 Day Avg Δ : -88.4/-65



Blue line is 7 Day Moving Average. Δ is the change in the 7 Day Moving Average over a 7 or 14 day period.
These preliminary data are current as of 11/30/2021

COVID-19 Activity in US, 12/1/2021



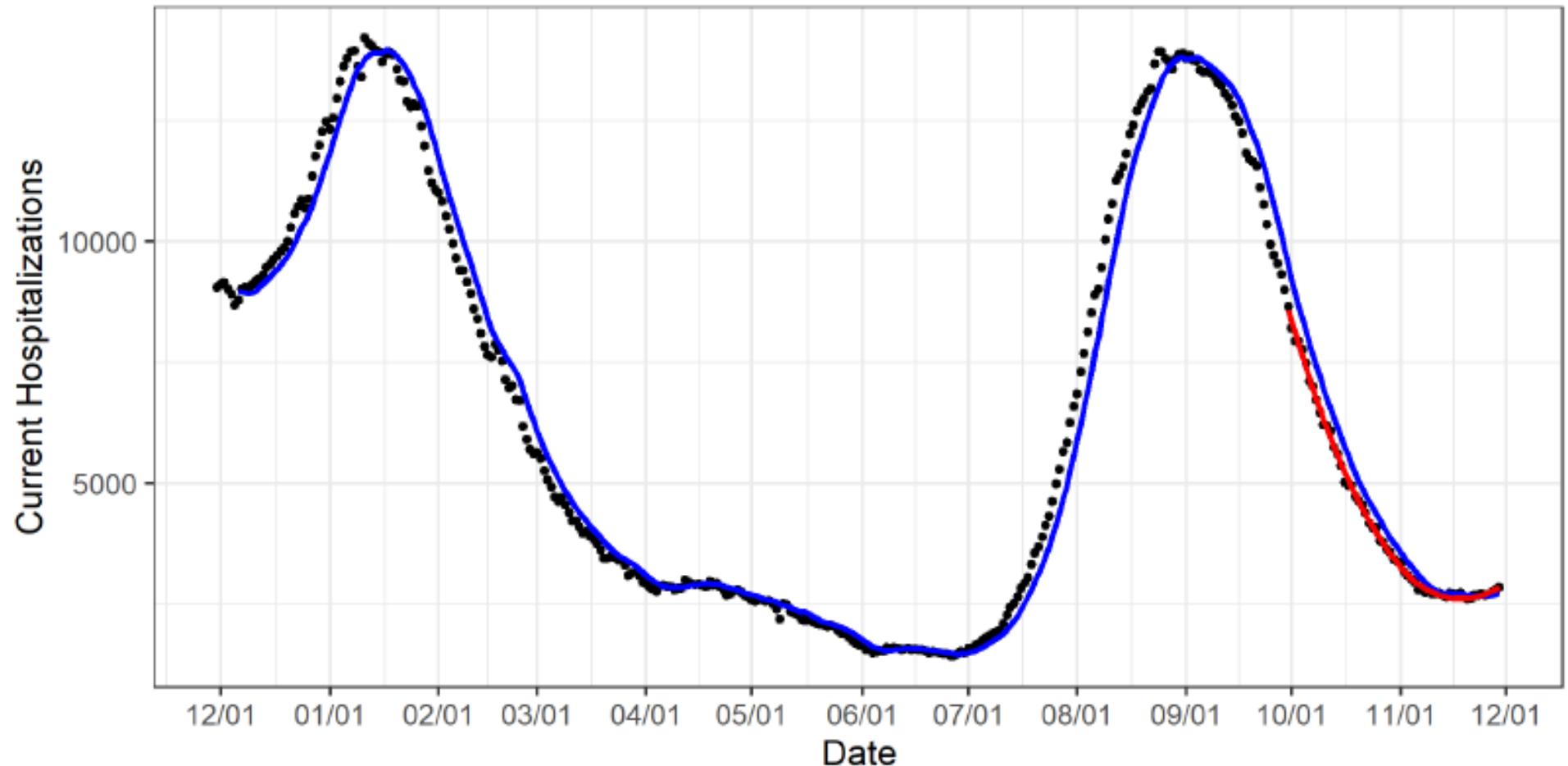
Community Transmission in US by County

	Total	Percent	% Change
High	2210	68.59%	-5.56%
Substantial	436	13.53%	0.84%
Moderate	389	12.07%	1.43%
Low	181	5.62%	3.29%

How is community transmission calculated?

Texas Hospitalizations Over Time

Pop: 29.7M; Slope: 31; 100k: 0.1; 7 Day Avg: 2,737.7; 7/14 Day Avg Δ : 11.5/0



Blue line is 7 Day Moving Average. Δ is the change in the 7 Day Moving Average over a 7 or 14 day period.
These preliminary data are current as of Tue Nov 30 13:30:18 2021

Hospitalizations Snap Shot

Total General and ICU Hospitalizations by TSA showing proportion of lab-confirmed COVID-19 occupancy out of total occupancy and number of beds available on:

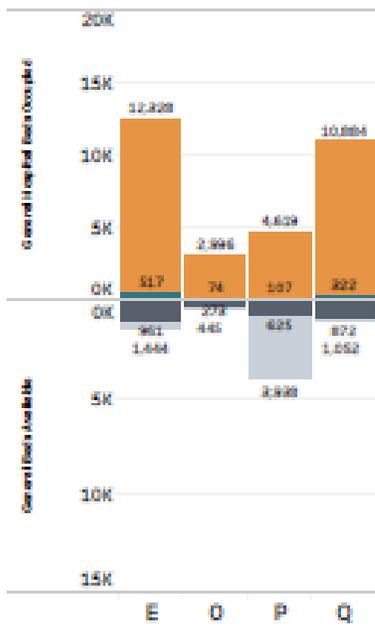
Monday, November 29, 2021 Totals

Lab Confirmed COVID-19 in General	1,841
Lab Confirmed COVID-19 in ICU	508
Total Lab Confirmed COVID-19 Gen + ICU	2,779

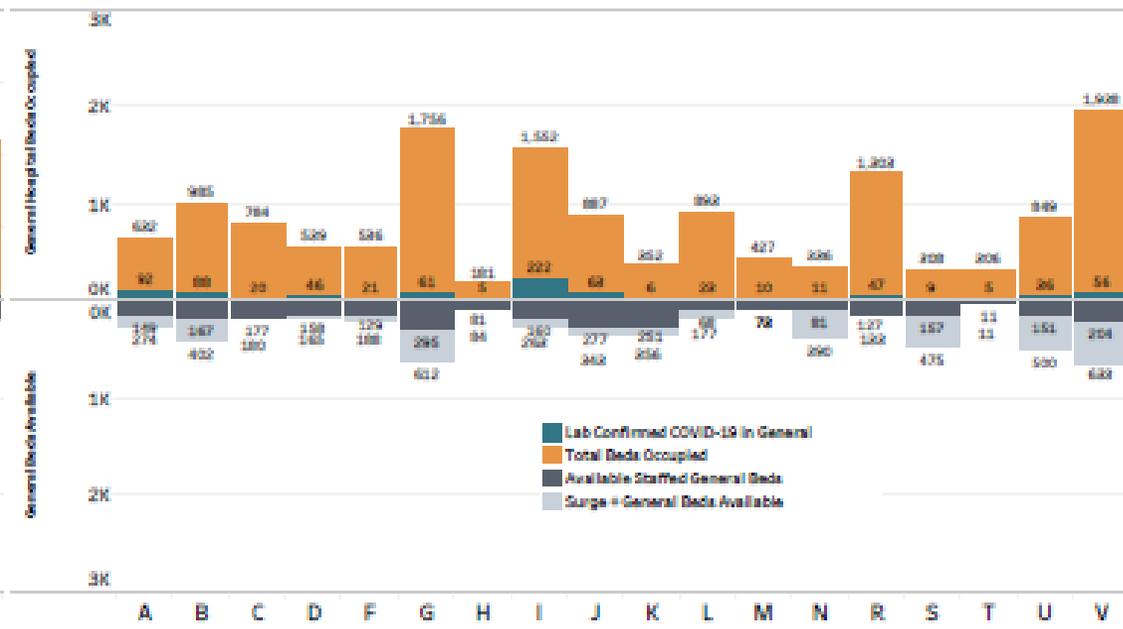
Notes:
 - The most recent hospital data is reported for the day prior.
 - After 7/28/2020, DSHS reported incomplete hospitalization numbers due to a transition in reporting to comply with new federal requirements.



Major Metro TSAs

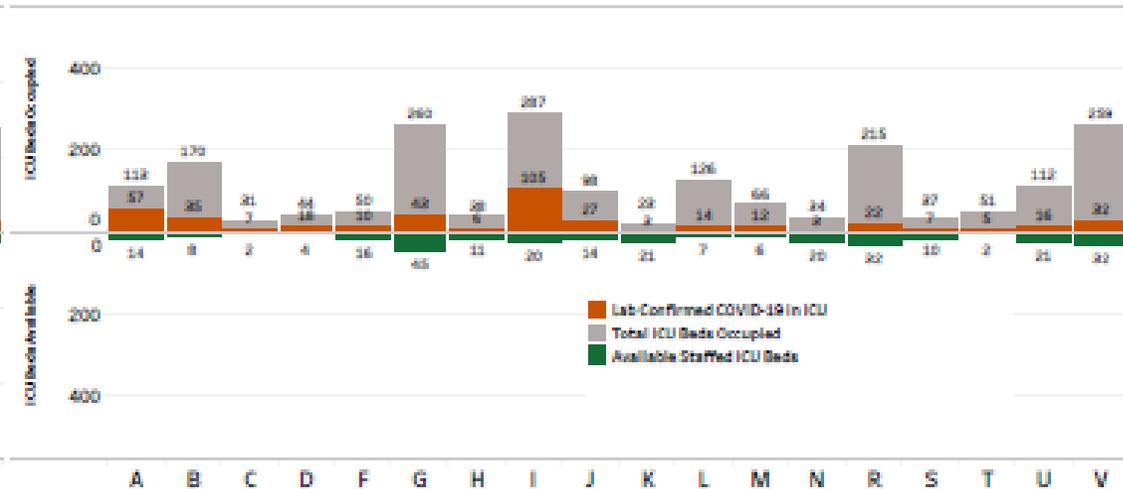
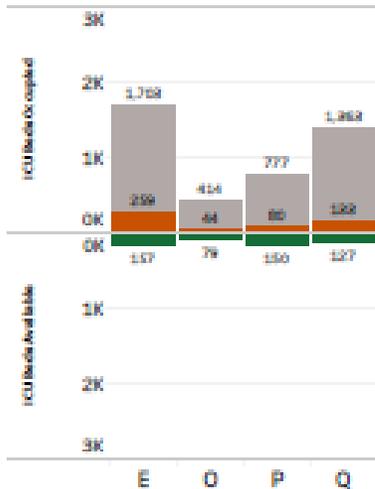


Non-Major Metro TSAs



TSA Metro

- A - Amarillo
- B - Lubbock
- C - Wichita Falls
- D - Abilene
- E - Dallas/Ft. Worth
- F - Paris
- G - Longview/Tyler
- H - Lufkin
- I - El Paso
- J - Midland/Odessa
- K - San Angelo
- L - McAllen/Weslaco
- M - El Paso
- N - Brown/Collie Station
- O - Austin
- P - San Antonio
- Q - Houston
- R - Galveston
- S - Victoria
- T - Laredo
- U - Corpus Christi
- V - Lower RVB

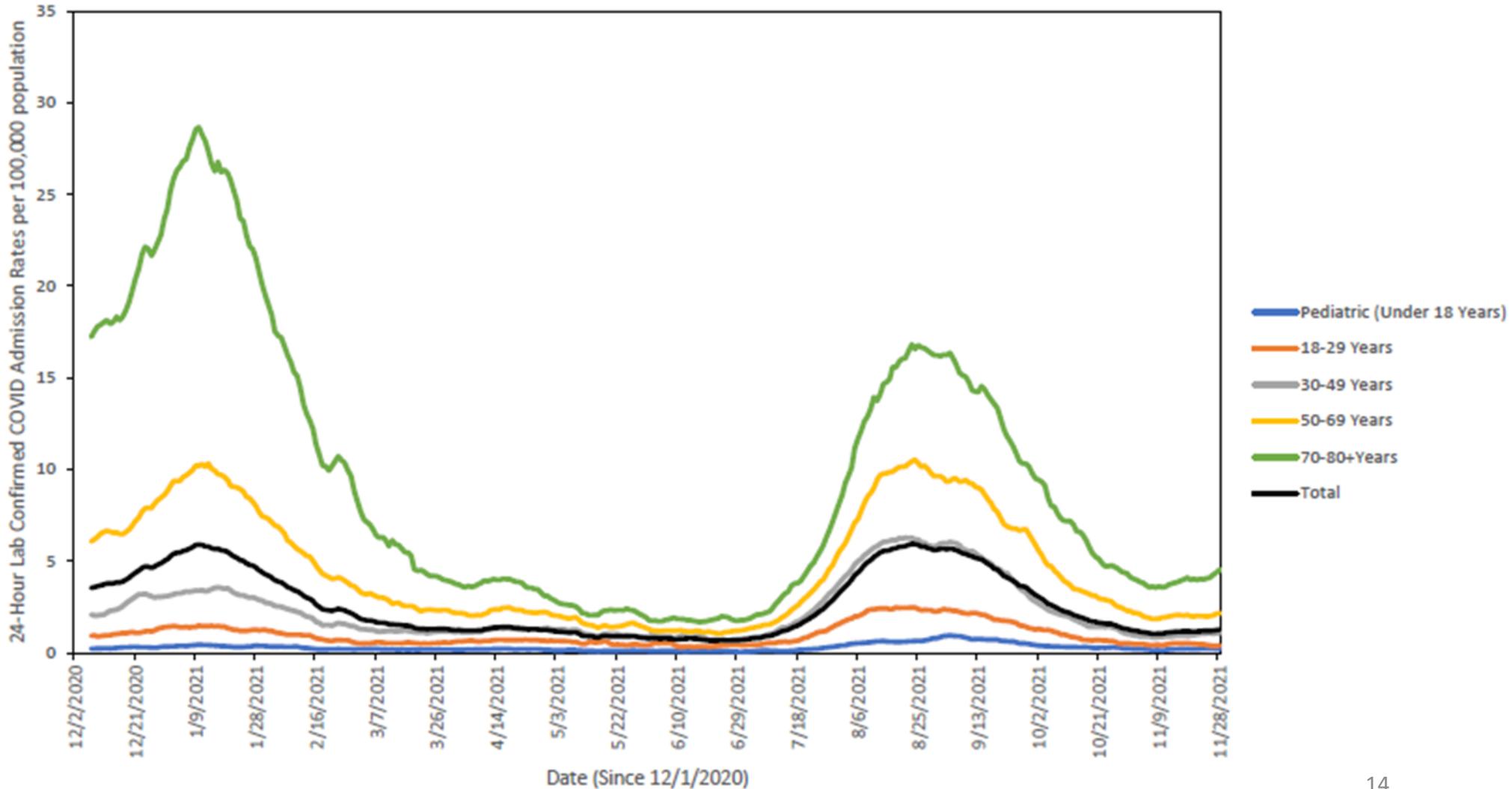


Texas Department of State Health Services

**7-Day Rolling Average of 24-Hour Lab Confirmed COVID Hospital Admission Rate by Age per 100,000 population:
12/01/20 – 11/28/21**

Statewide:

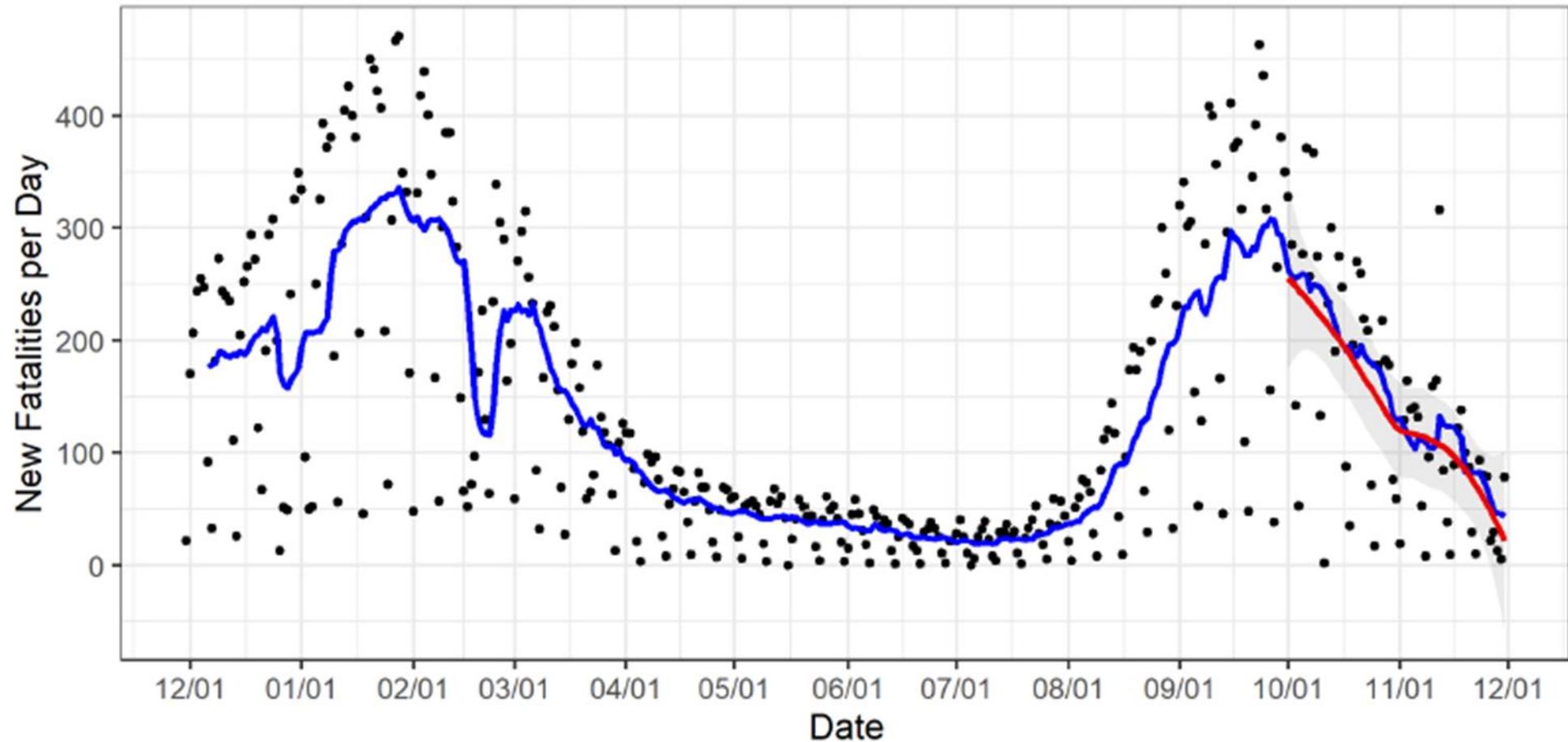
Statewide: 7-Day Rolling Average of 24-Hour Lab Confirmed COVID Hospital Admission Rate by Age per 100,000 population



Texas Department of State Health Services

Texas New Fatalities per Day

Pop: 29.7M; Slope: -6.4; 100k: 0; 7 Day Avg: 43.7; 7/14 Day Avg Δ : -5.5/-5.4



Blue line is 7 Day Moving Average. Δ is the change in the 7 Day Moving Average over a 7 or 14 day period.
Preliminary data as of 11/30/2021. Data source are New Fatalities by Date Recorded.
Last date of data is 11/30/2021

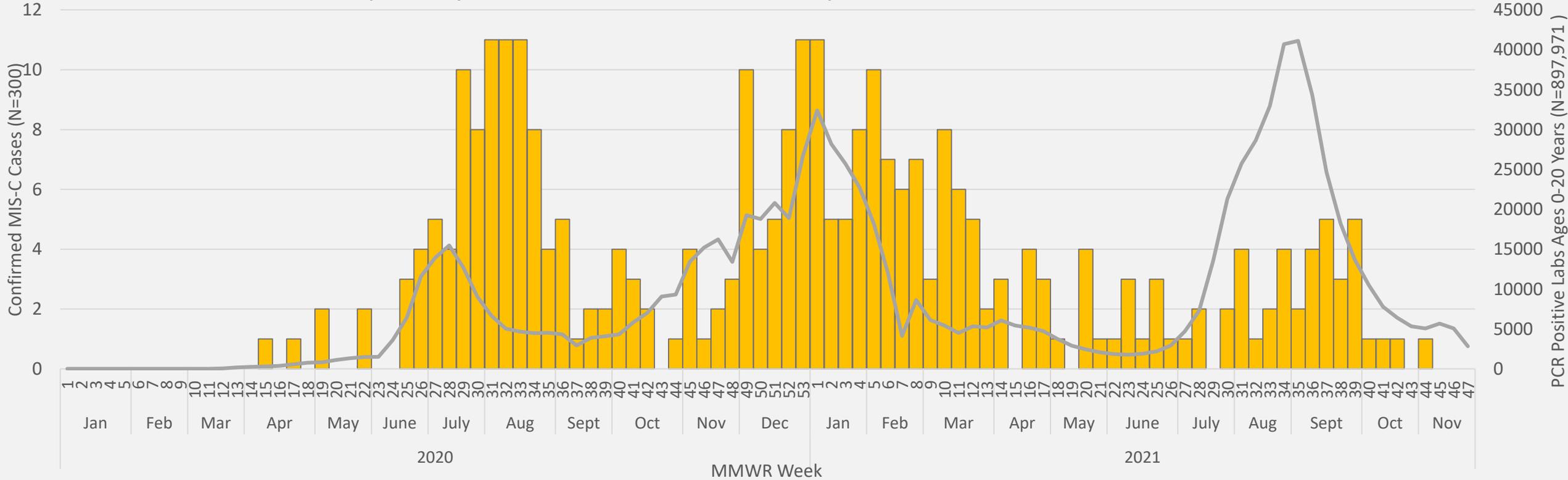
Multisystem Inflammatory Syndrome in Children (MIS-C), Texas (N=300)*

- **Median Age (Range):** 9 years (1 month-18 years)
- **Sex:** 196 Male (65%), 104 Female (35%)
- **Race/Ethnicity:** 159 Hispanic (53%), 68 Black (23%), 55 White (18%), 7 Asian (2%), 11 Unknown (4%)
- **MIS-C Symptom Onset (fever) Date Range:** 4/5/2020-11/5/2021
- **Public Health Region:** PHR 1 (9), PHR 2/3 (136), PHR 4/5N (8), PHR 6/5S (54), PHR 7 (35), PHR 8 (6), PHR 9/10 (1), PHR 11 (51)
- **Hospital and ICU Admission:** 300 Hospitalized (100%), 200 ICU Admission (67%)
- **Outcome:** 263 Discharged (88%), 3 Died (1%), 34 Unknown/Lost to Follow-Up (11%)

**Data as of November 29, 2021*

MIS-C Cases and COVID-19 Cases Among Children Ages 0-20 Years

MIS-C Cases by Fever Onset Date and Positive SARS-CoV-2 Molecular Tests for Children Ages 0-20 years by MMWR Week, Texas: January 1, 2020 - November 29, 2021



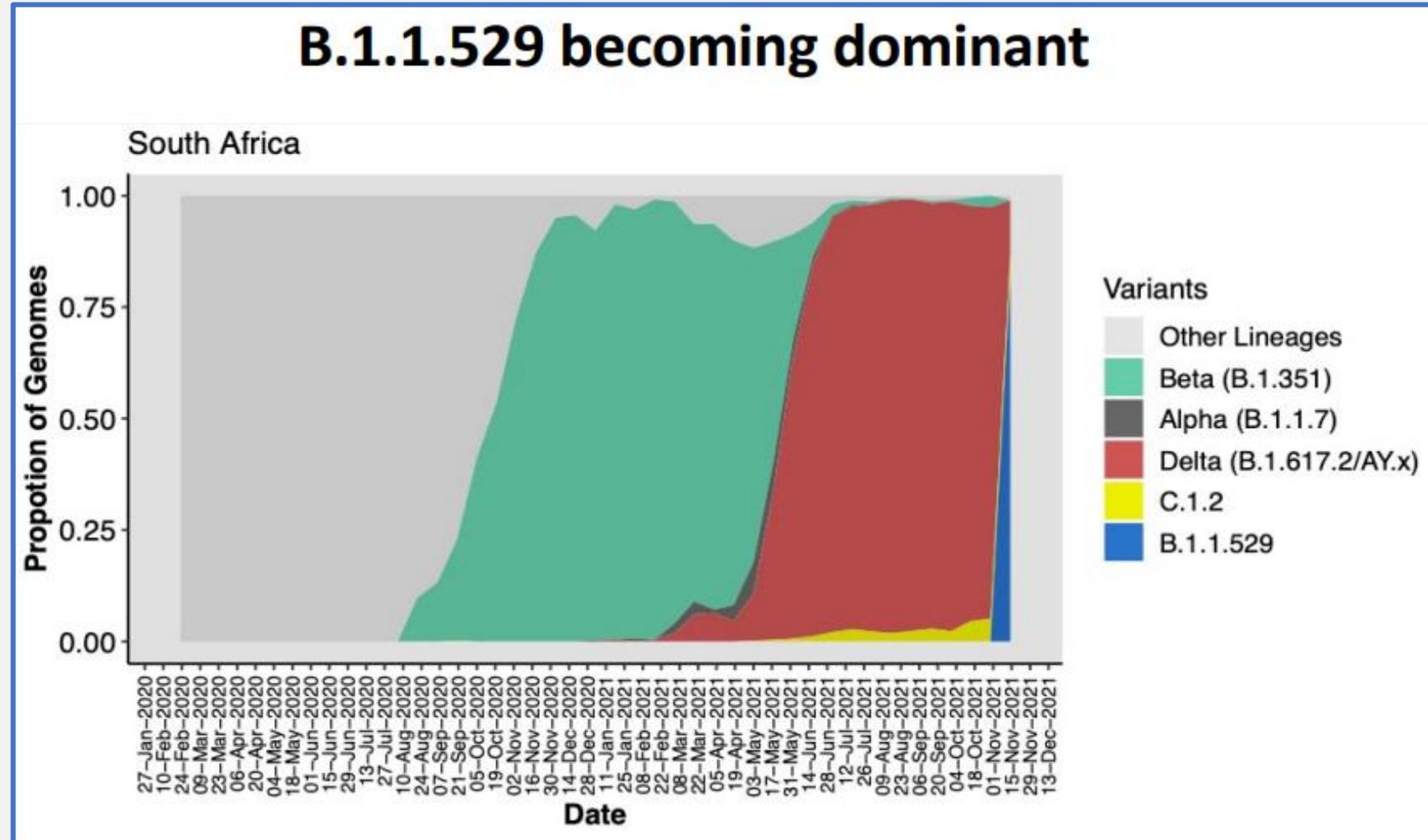
Confirmed MIS-C Cases Positive SARS-CoV-2 Molecular Tests

Omicron

- Omicron is a newly described variant
 - Identified in Botswana on 11/11/2021, now identified in >20 countries
 - First US case identified 12/1/2021 in California
 - Most early cases travel-related, but now indication of community transmission
- Has ~30 mutations within the spike protein
 - Important region for determining how well the virus infects cells
 - Target for therapeutics and for antibodies that have been developed in response to prior infection or vaccination
 - Most divergent variant to have significant spread

Looking Ahead: Omicron

- Much uncertainty about Omicron's impact on:
 - Transmissibility
 - Severity of illness
 - Diagnostic testing
 - Effectiveness of therapeutics and vaccines
 - Risk of reinfection



Response to Omicron

- US response
 - Presidential proclamation/travel requirements
 - Increased sequencing
- DSHS response
 - Increased sequencing
 - DSHS lab
 - Sequencing Partnership
 - Communications
 - Prevention strategies, including vaccination



DSHS Data Tools



Texas COVID-19 Data Tools

- **COVID-19 Texas Case Counts**
 - County by county data
 - Filters display probable cases, estimated active, estimated recovered cases, and demographic fatality data
 - [ArcGIS Dashboards](#)
- [Texas Hospital Data Dashboard](#)
- **Texas Data Vaccine Dashboard**
 - Displays vaccine administration throughout the state
 - Tabs display demographic data, vaccines allocated, and sites of vaccinations
 - [Workbook: COVID-19 Vaccine in Texas \(Dashboard\)](#)
- **Information for Hospital and Healthcare Professionals**
 - Various FAQs and resources for providers on topics ranging from COVID-19 vaccines to COVID-19 Therapeutics
 - <https://dshs.texas.gov/coronavirus/healthprof.aspx#thera>
- **COVID-19 Variants Tracker**
 - <https://dshs.texas.gov/news/updates.shtm#coronavirus>



dshs.texas.gov/coronavirus/



Texas Department of State
Health Services

Thank you!



dshs.texas.gov/coronavirus

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Appendix





DSHS Response Activities



DSHS Roles during the Pandemic

- Coordinate state and local public health efforts.
- Deploy medical staffing to hospitals, nursing facilities, and other healthcare entities.
- Source and allocate therapeutics, medical supplies, and personal protective equipment.
- Maintain public awareness and knowledge through multi-media platforms.
- Provide guidance for individuals, businesses, and elected leaders.
- Manage lab testing and capacity.
- Collect, analyze, and report data.
- Develop the infrastructure for equitable COVID-19 vaccine distribution.



Genomic Sequencing

- DSHS monitors COVID-19 variants in Texas
 - 6% of Texas cases were sequenced in the most recent 4-week period
- DSHS receives genomic sequencing data from CDC and our state lab
- **NEW** Texas SARS-CoV-2 Variant Network:
 - Partnership with DSHS, universities, and laboratories across the state
 - Will increase current sequencing capacity by at least 25%
 - Will provide a better picture of circulating and emerging variants of the COVID-19 virus



Deploying Resources Statewide



Medical Surge Staff

- DSHS currently has 1,974 medical surge staff deployed
- DSHS is monitoring trends to ensure healthcare infrastructure is supported



Durable Medical Equipment (DME)

- DSHS has 53,526 total DME assets deployed

Data as of 11/29/2021

Getting Vaccines to Texans

DSHS and our partners have been versatile in vaccinating Texans in their community

DSHS held **3,844** community-based vaccine events and administered **171,350** vaccines

3,914 homebound Texans and household members vaccinated

14,863 vaccines administered to Texans with intellectual and developmental disabilities

DSHS and large employers have held **213** vaccine events and vaccinated **17,513** employees

191,800 residents and staff at **4,602** nursing, intermediate care, and long-term care facilities are fully vaccinated and **13,500** have received a third dose

Public Awareness Communications

Current Campaigns:

- Flu prevention and flu shot promotion
- COVID-19 vaccines
 - Specific focus on families and children 5 years and older
 - Addressing vaccine hesitancy
 - Features real Texas stories
 - Celebrate the holidays safely by getting fully vaccinated
 - Vaccines for pregnant women
 - Features OBGYN physicians discussing vaccines for pregnant mothers



<https://www.youtube.com/texasdshs>

DSHS Support Activities

- DSHS COVID-19 Hotline: 2-1-1 Option 6 or coronavirus@dshs.Texas.gov
 - Operates Monday – Friday 8 AM – 5 PM CST, Saturday 8 AM – 1 PM CST, closed on Sundays
- Provider [Webinars](#) Tuesday & Thursdays
- Bi-weekly Tuesday Statewide Calls for local and regional healthcare professional





Therapeutics



Monoclonal Antibodies

- Current monoclonal antibodies DSHS allocates:
 - Bamlanivimab + etesevimab
 - REGEN-COV (casirivimab + imdevimab)
 - Sotrovimab
 - DSHS has sufficient supply overall
 - Orders for REGEN-COV are greater than supply



Monoclonal Antibody Therapy

- DSHS Regional Infusion Centers (RICs)
 - 32,536 total infusions administered at DSHS RICs
 - 71,408 total infusions administered at DSHS and TDEM RICs
- Criteria to receive monoclonal antibody therapy:
 - Doctor's order
 - Pediatric patients 12 – 17 years and weighing at least 40 kg
- therapeutics@dshs.texas.gov
 - DSHS Therapeutics Hotline for Providers
 - Sign up for Weekly eDigest



Planning for Future Therapeutics



- DSHS is planning for initial distribution of new therapeutics awaiting Emergency Use Authorizations from FDA
 - Each will have unique clinical considerations and requirements
 - Supply will be very limited
 - DSHS has identified providers to receive initial allocations and is working on statewide allocation strategy
 - Not replacements for COVID-19 vaccinations in patients who do not have contraindications