



TEXAS
Health and Human
Services

**Texas Department of State
Health Services**

COVID-19 Update



September 21, 2021

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Texas Department of State Health Services



COVID-19 Snapshot



Snapshot: COVID-19 in Texas

As of September 20, 2021

- Total Cases:
 - 3,283,785
 - 7-day average for new daily cases is decreasing
- Current Hospitalizations:
 - 11,710 (trending down)
- Total Fatalities:
 - 60,832
 - 7-day average of new fatalities is slowly decreasing
- Molecular Positivity Rate:
 - 15.65%





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.



Medical Surge Staff



- DSHS has mobilized 7,456 medical surge staff across Texas
 - Over 8,000 will be deployed by 9/17/2021
- 158 medical surge staff have been deployed to children's hospitals to support increased COVID-19 pediatric patients
- 112 medical surge staff have been placed in Labor & Delivery units in hospitals across the state

Durable Medical Equipment and Resources

DSHS has deployed durable medical equipment (DME) to 196 facilities across Texas

- 3,390 total DME deployed to hospitals including:



- 209 Cardiac Monitors
 - 311 High Flow Oxygen System
 - 572 IV Pumps
 - 594 O2 Concentrators
 - 1,037 Ventilators
- 9 Trailers deployed across Texas
 - 2 ambulances to support EMS

2339 vaccines administered to homebound individuals and household members

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
 - 3,273 calls received from 6/26/21 – 9/14/21
 - 2,638 emails received from 6/26/21 – 9/14/21
- Provider Webinars Tuesday & Thursdays
- Bi-weekly Tuesday Statewide Calls for local and regional healthcare professional





Monoclonal Antibody Therapeutics



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Monoclonal Antibody Therapy

- DSHS Regional Infusion Centers (RICs)
 - 13,877 total infusions administered at DSHS RICs
 - Additional state infusion centers and +200 private infusion centers
- Criteria to receive monoclonal antibody therapy:
 - Doctor's order
 - Pediatric patients 12 – 17 years and weighing at least 40 kg
- Supply at the federal level has decreased, and shipments to states will decrease
 - Federal allocations to states based on population, cases and hospitalizations, and adherence to reporting
 - DSHS implementing an equitable allocation strategy
- DSHS Therapeutics Hotline for Providers:
 - therapeutics@dshs.texas.gov





School Data



Texas School Data

TEA School Data Reported to DSHS between 7/27/2020 - 8/29/2021

- 1,086 reported outbreaks
- 143,563 number of students infected
- 55,145 staff infected
- 198,708 total number of cases

Data Reporting Limitations

- Time lapse in reporting
- Variability in reporting, frequency, and completeness



- [Texas Public Schools COVID-19 Data Dashboard](#)



DSHS Supporting Schools

- DSHS was awarded approximately \$800 million in grants for public and private schools to:
 - Support screening testing to reopen and keep schools operating safely
 - *Note:* Houston received their own grant award
- DSHS and Texas Education Agency have been working closely to develop an implementation strategy
- School systems will have access to vendors to provide both rapid antigen and PCR test and staffing support





Dr. Jennifer Shuford, MD, MPH

Chief State Epidemiologist





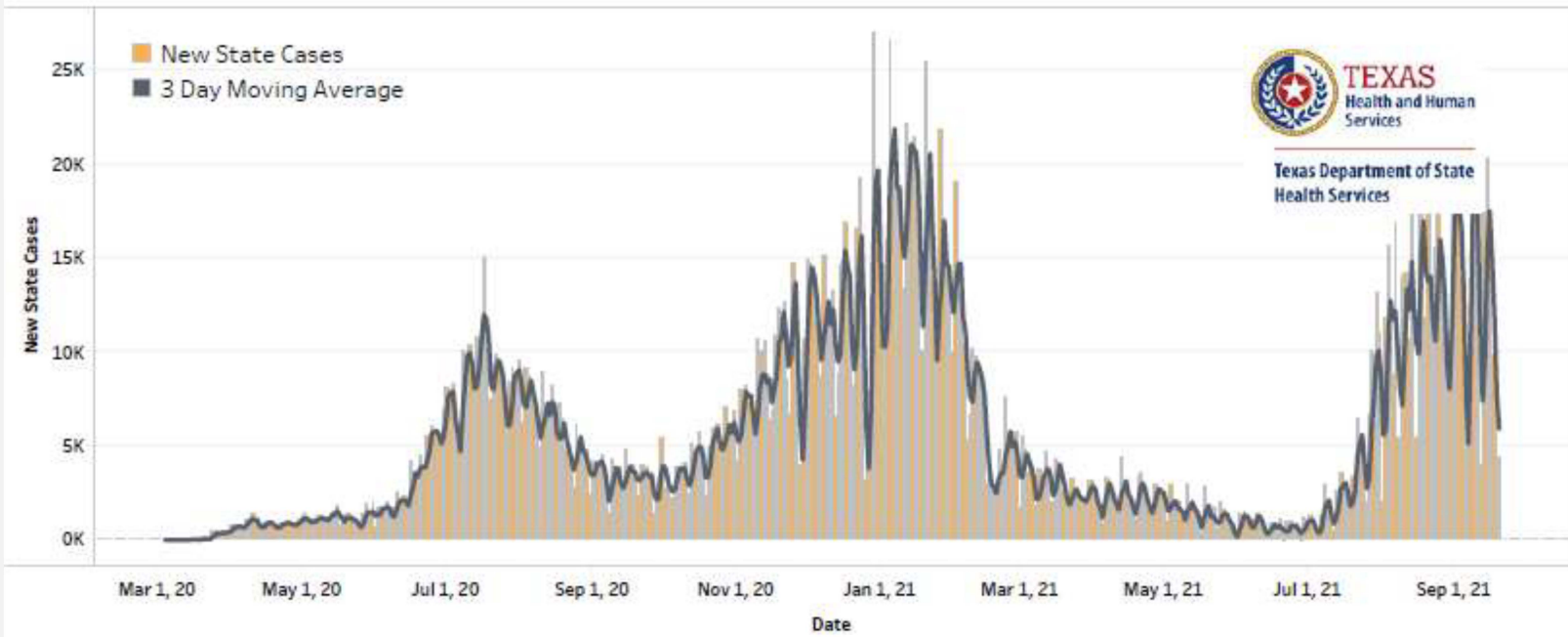
A Closer Look at Epidemiological Trends



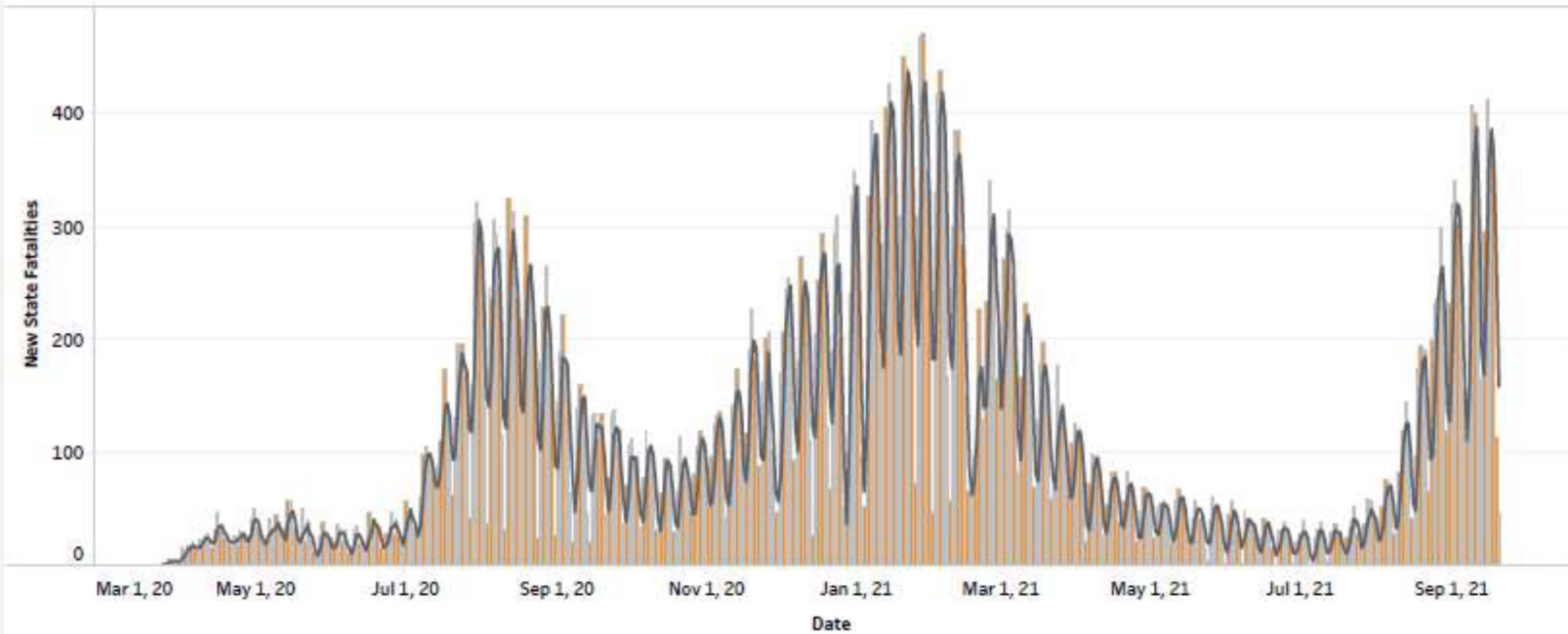
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New Texas Cases by Day



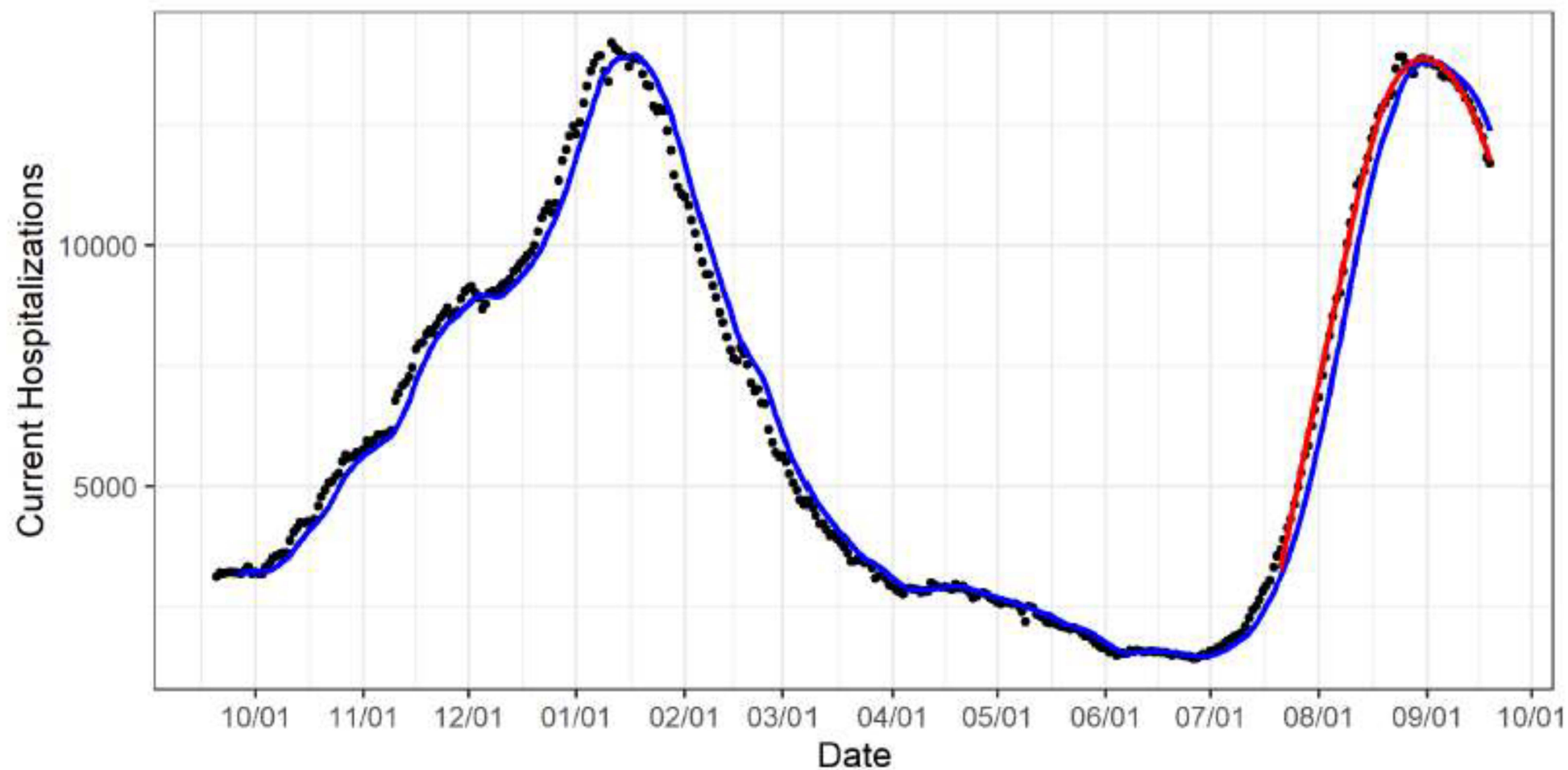
New Texas Fatalities by Day



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Texas Hospitalizations Over Time

Pop: 29.7M; Slope: -188.2; 100k: -0.6; 7 Day Avg: 12,379.4; 7/14 Day Avg Δ : -150.5/-98.4

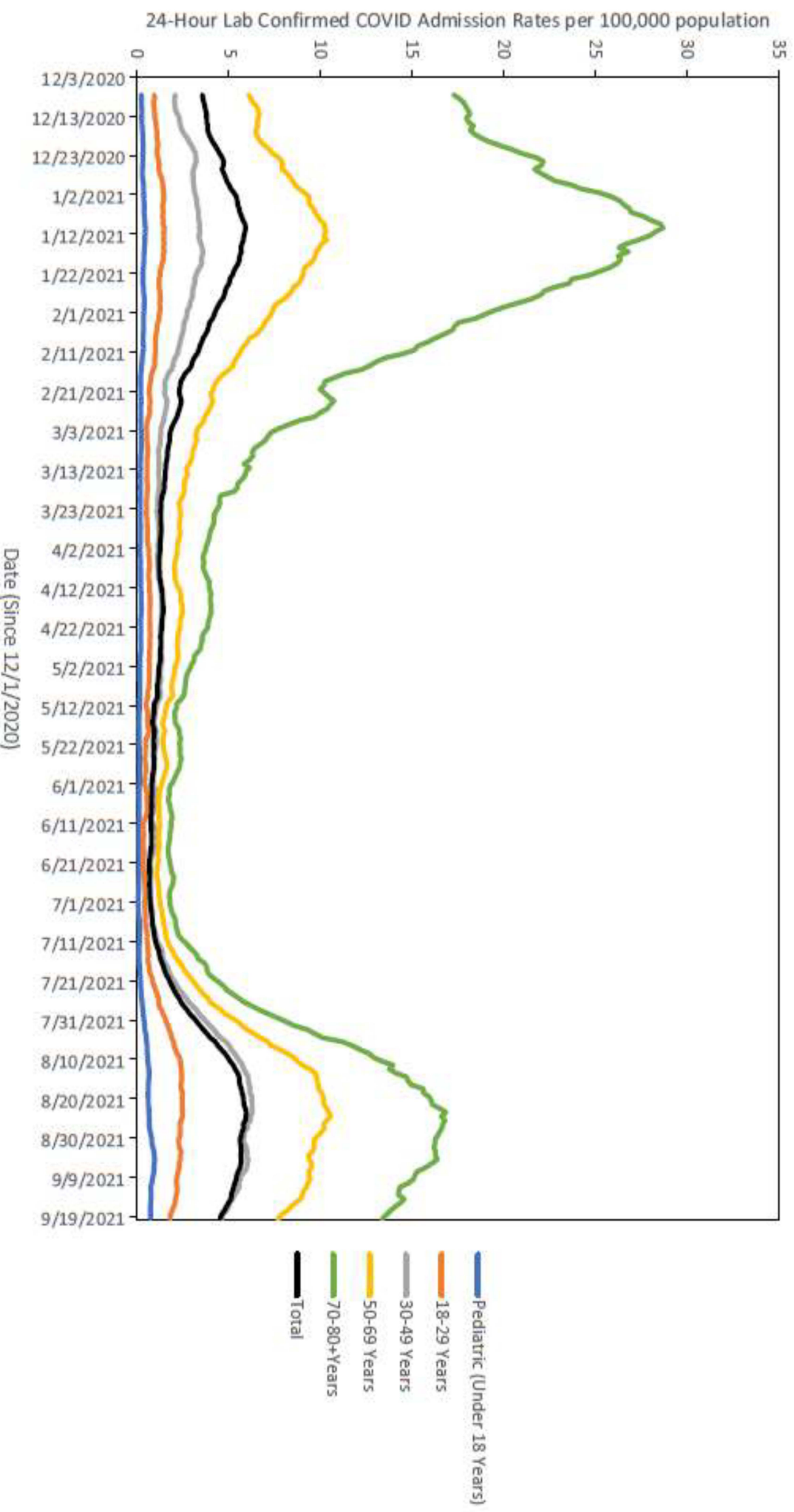


Blue line is 7 Day Moving Average. Δ is the change in the 7 Day Moving Average over a 7 or 14 day period.

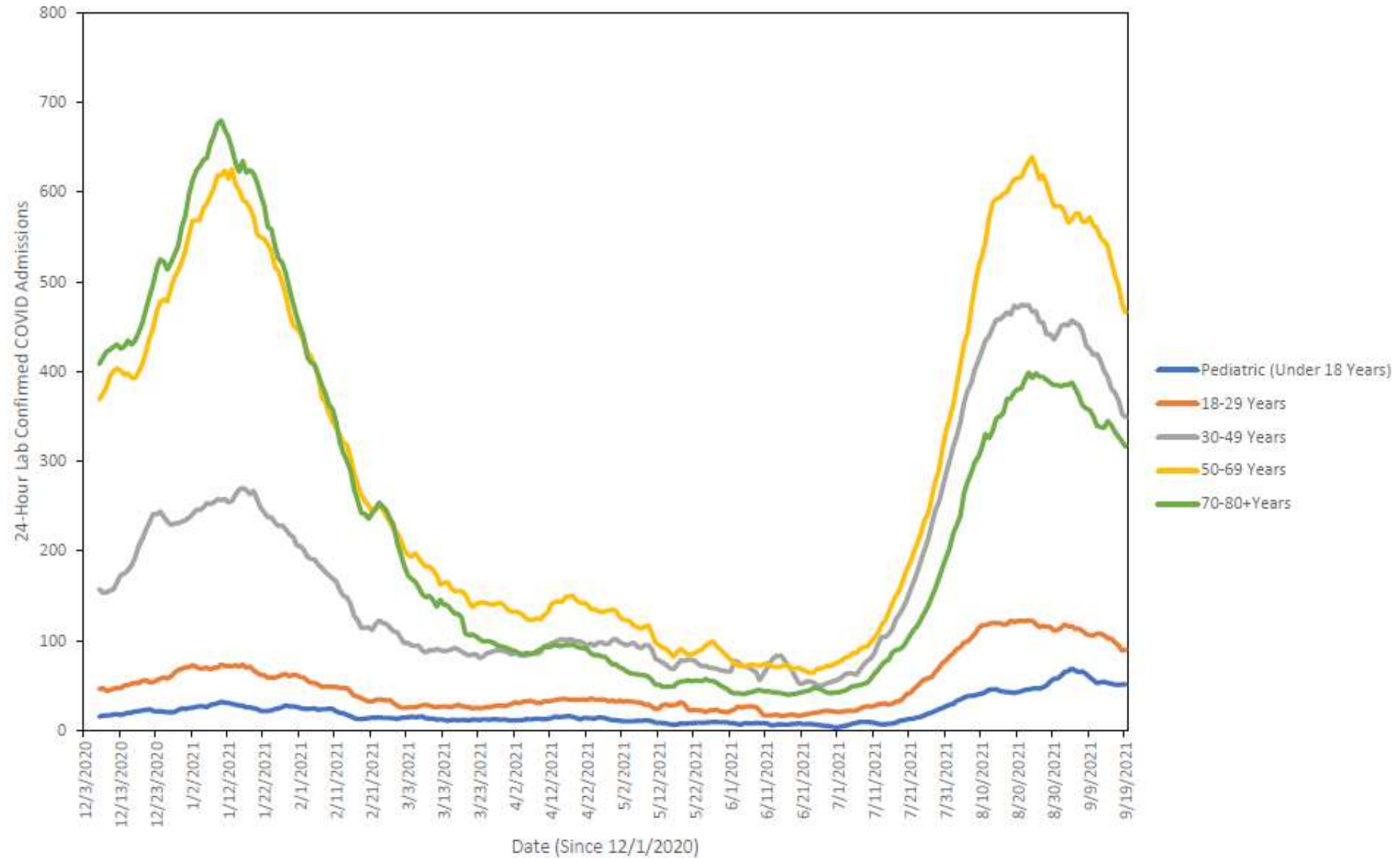
These preliminary data are current as of Mon Sep 20 13:16:37 2021 18

New Hospital Admission Rates by Age

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

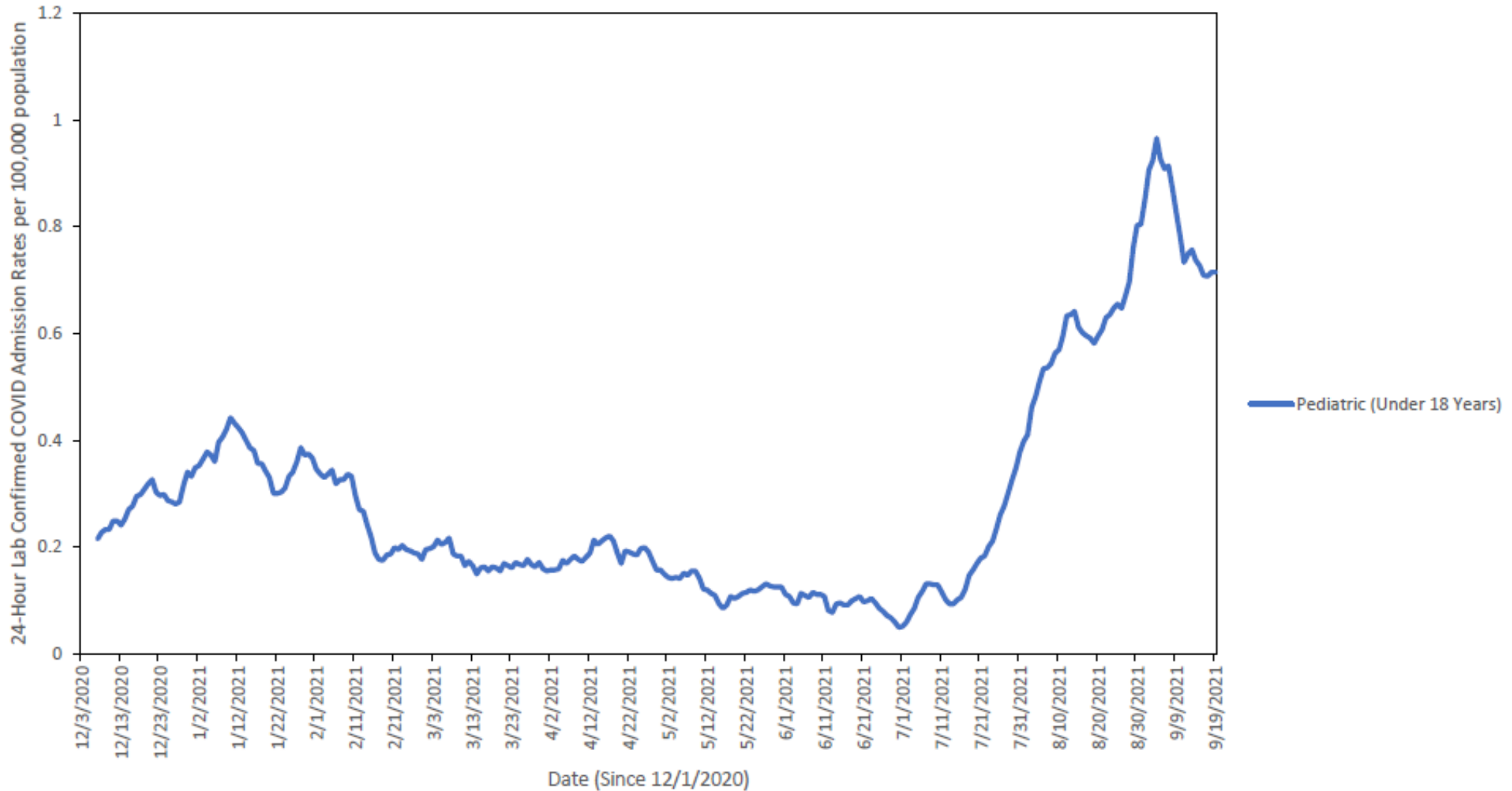


Statewide: 7-Day Rolling Average of 24-Hour Lab Confirmed COVID Admissions by Age



Pediatric Hospitalizations

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



Hospitalizations Over Time

Total Texas Proportion of Lab-Confirmed COVID-19 Occupancy of General and ICU Beds out of Total Hospital Beds as of:

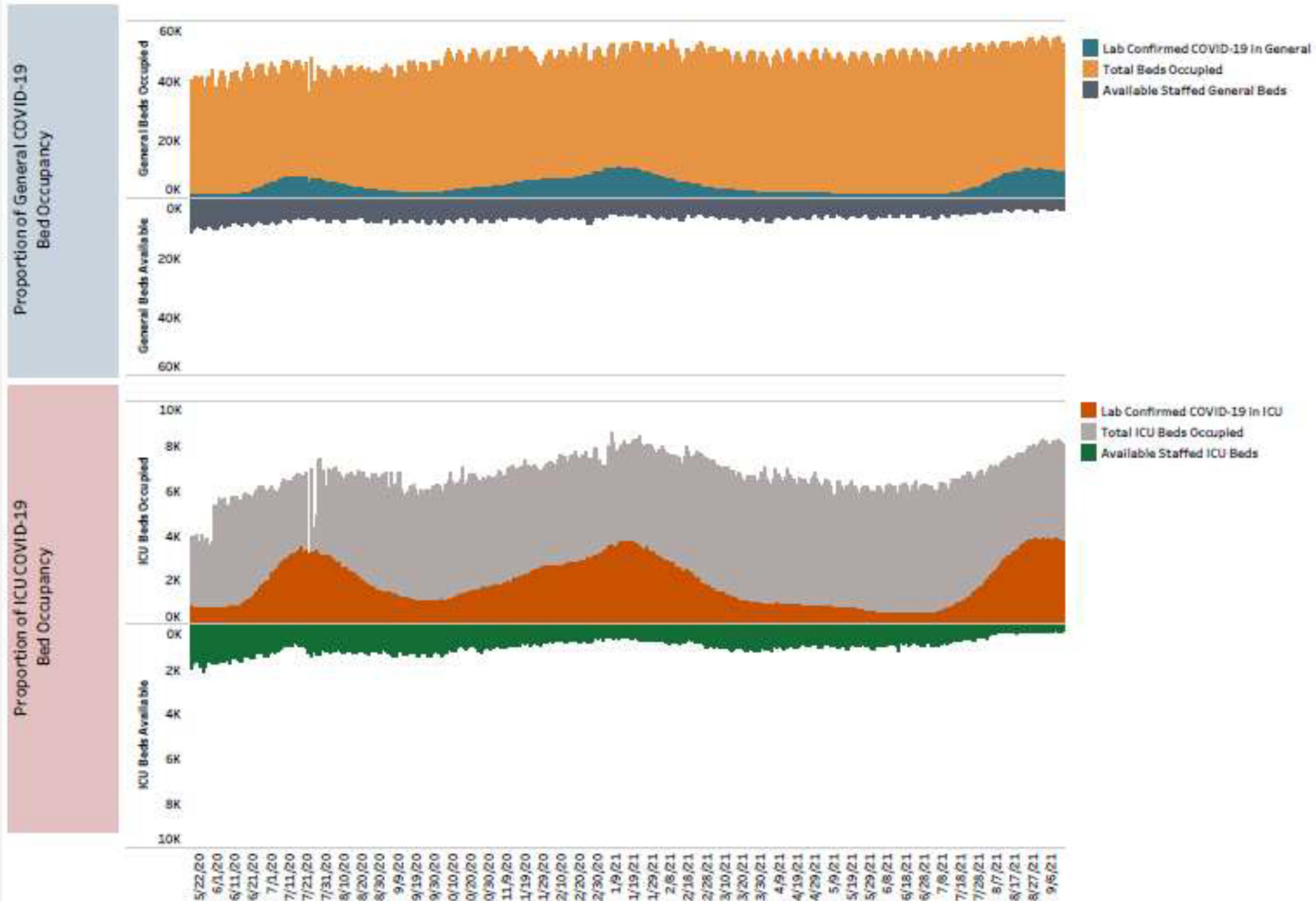


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Monday, September 13, 2021 Totals

Lab Confirmed COVID-19 in General	8,987
Lab Confirmed COVID-19 in ICU	3,712
Total Lab Confirmed COVID-19 Gen + ICU	12,699

- Notes:**
- The most recent hospital data is reported for the day prior.
 - After 7/23/2020, DSHS reported incomplete hospitalization numbers due to a transition in reporting to comply with new federal requirements.
 - Hospitalization data are missing or incomplete for 5/10/2021 and 5/11/2021



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These preliminary data are current as of 1:00pm on 9/14/2021.

New Hospital Admits Dashboard

Lab-Confirmed COVID-19

11,838
COVID-19 Inpatients

Adult COVID-19 Patients

8,027

in General Beds

Adult COVID-19 Patients

3,554

in ICU Beds

Pediatric COVID-19 Patients

257

in Hospitals

Confirmed COVID-19

1,305

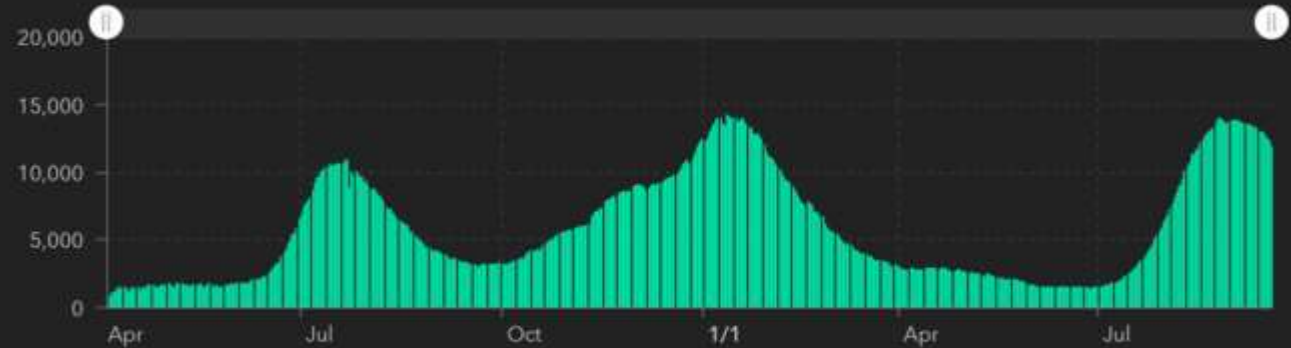
Admissions Previous 24 Hours

Confirmed COVID-19

2,727

Patients on Ventilators

Number of COVID-19 Hospitalizations



Hospital Availability

Total Staffed Hospital Beds

65,496

Total Staffed Inpatient Beds

61,056

Available Ventilators

6,459

Available Staffed Hospital Beds

7,583

Available Staffed Adult ICU Beds

304

Available Staffed Pediatric ICU Beds

86

[Hospitals - Statewide](#)

[Hospitals - Regional](#)

[Testing Data](#)

[Molecular Tests](#)

[Antigen Tests](#)

[Tests by County](#)

[About the Data](#)

Disclaimer: All data are provisional and subject to change.
This dashboard will be updated daily by 4:00 PM CT.

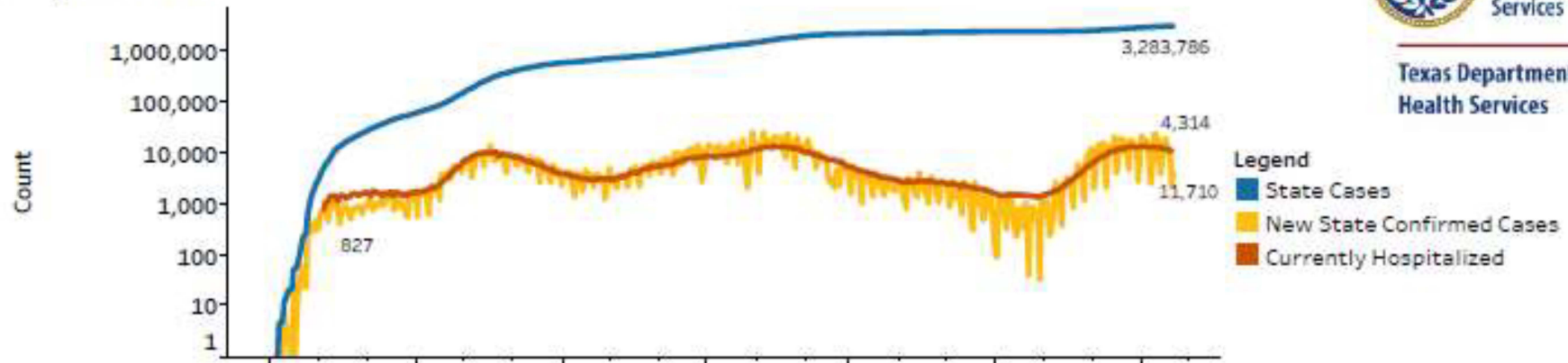
[COVID-19 Case Data](#)

Last Updated
9/19/2021 12:50 PM CT

Total Texas Covid-19 Confirmed Cases, Confirmed New Cases, and Current Confirmed Hospitalizations



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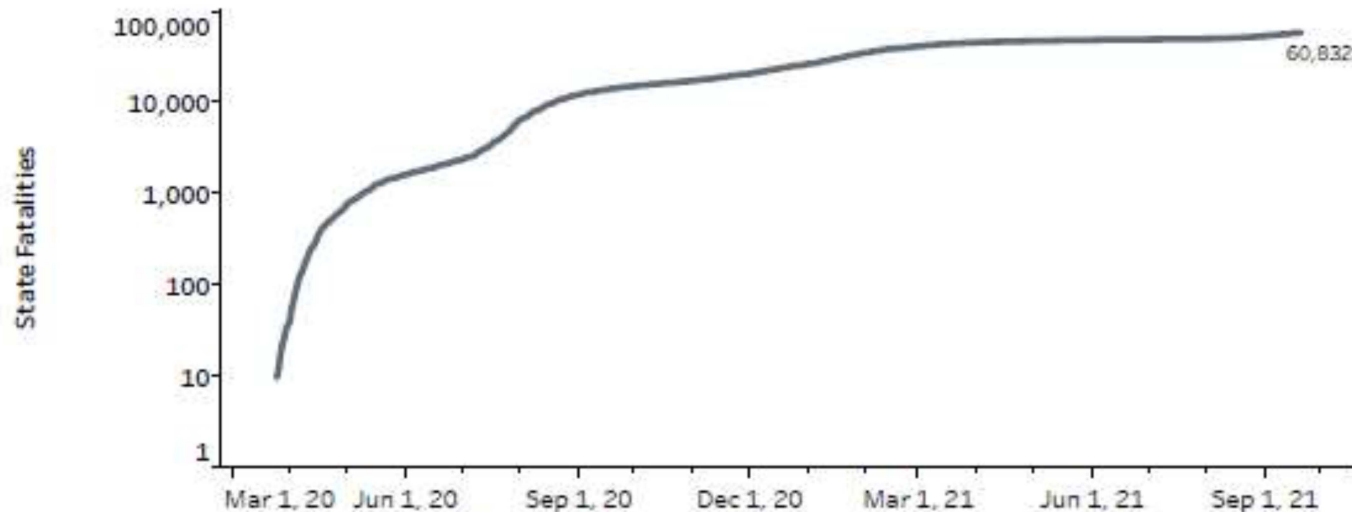


These preliminary data are current as of 1:00pm on 9/20/2021.

Notes:

- After 7/23/2020, DSHS reported incomplete hospitalization numbers due to a transition in reporting to comply with new federal requirements. As of 8/19/2020, 91% of hospitals were reporting.
- During the week of Feb. 14-Feb. 21, 2021, case and fatality reporting was significantly impacted across the majority of Texas counties due to weather-related issues.
- Hospitalization data are missing or incomplete for 5/10/2021 and 5/11/2021.

Total Texas Covid-19 Fatalities



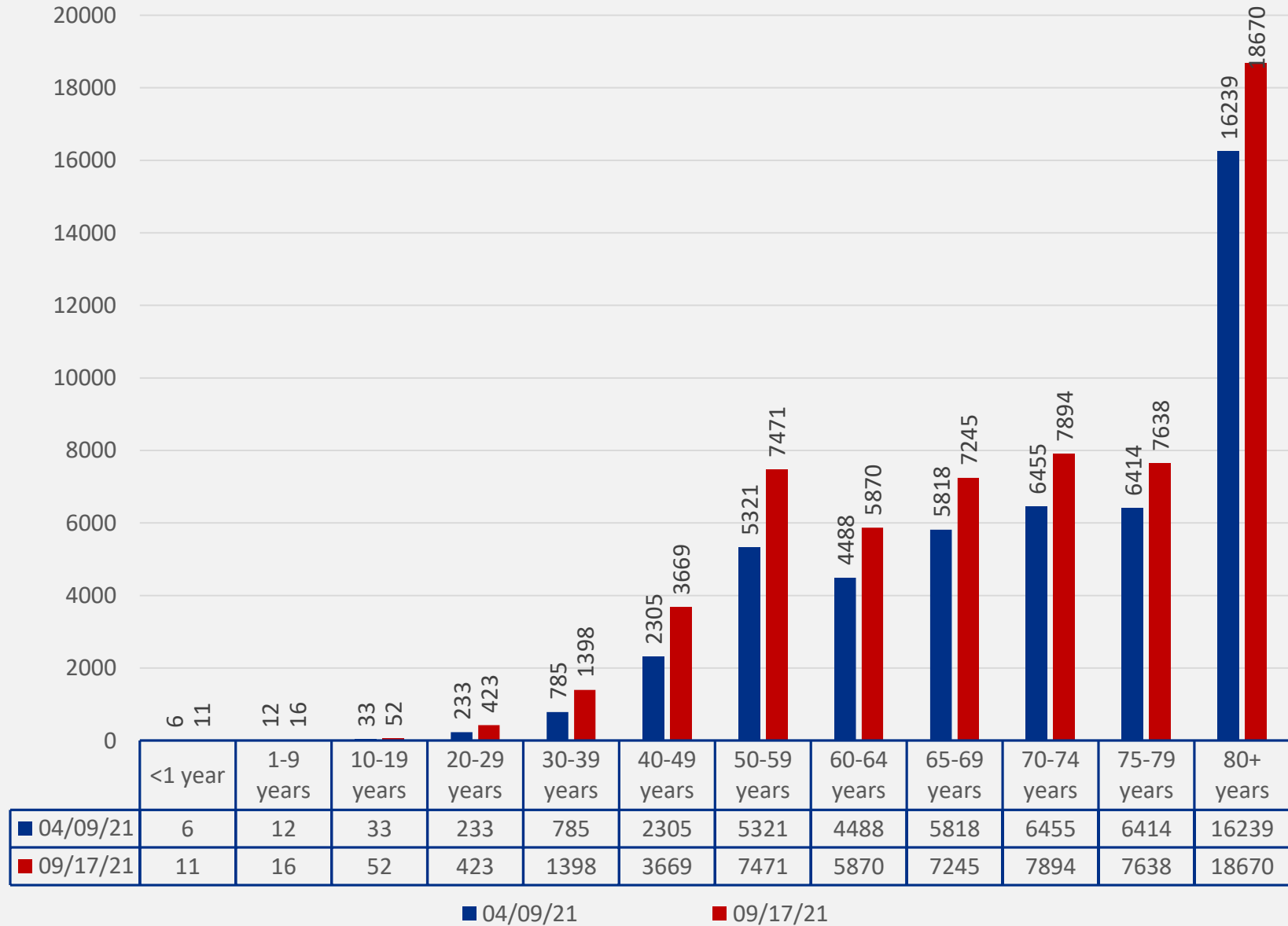
Note: As of July 27, 2020, DSHS is reporting COVID-19 fatality data based on death certificates. The metric used in these charts reports total newly reported fatalities (as opposed to the date of death).



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COVID-19 Fatalities by Age: N = 60,832

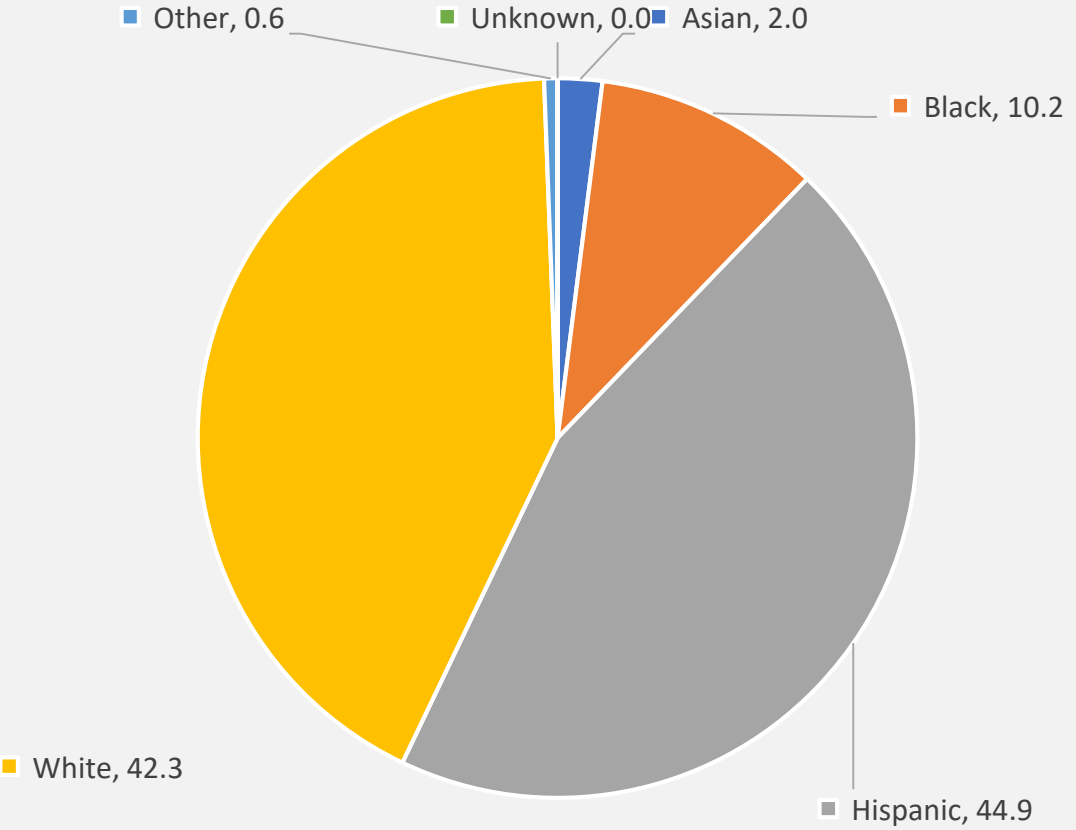
- Majority of COVID-19 associated fatalities are among Texans 50+
- Proportion of fatalities under 50 has grown since January
 - From May 16 to August 7, almost 20-percent of fatalities were in individuals between 0 – 49 years



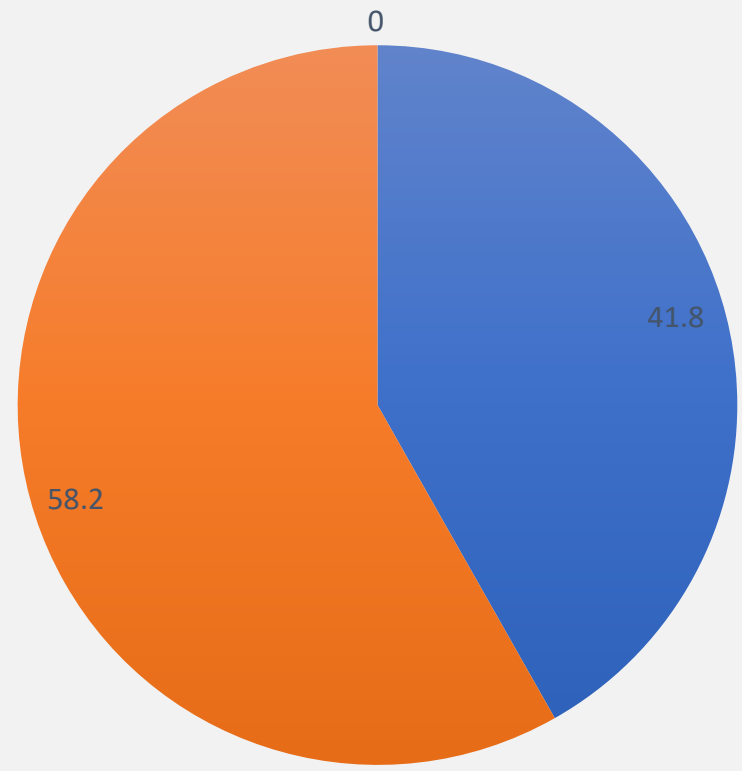
*as of September 17, 2021

COVID-19 Fatalities Demographics

Race/Ethnicity as a Percentage of COVID-19 Fatalities



Gender as a Percentage of COVID-19 Fatalities



*as of September 17, 2021

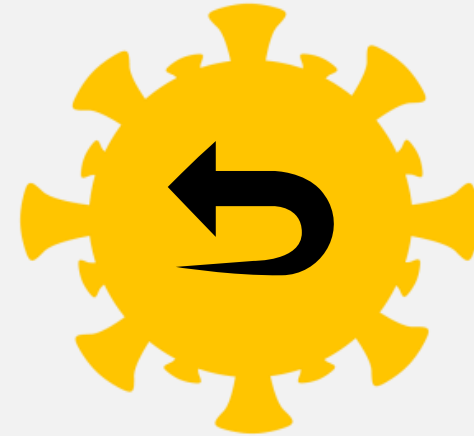


Reinfections & Breakthrough Cases



Reinfections in Texas

- When an individual becomes infected with COVID-19, and then becomes reinfected
 - Most reinfection cases in Texas are in individuals 50 years and under
- Variability of natural immunity; protection that vaccines offer is preferred
- A total of 1,078 confirmed reinfections reported to DSHS between 1/1/2021 – 9/8/2021
 - 8.9% of total cases were hospitalized during their reinfection
 - 117 total reinfection cases in 0 – 19 years of age
 - 168 total reinfection cases in 20 – 29 years of age (highest rate)



Vaccine Breakthrough Cases in Texas

- Fully vaccinated status is 14 days after completion of vaccine primary series and is required to meet criteria to be considered a vaccine breakthrough
- As the number of people who are vaccinated increases, the number of breakthrough cases is also expected to increase
- DSHS collects information on breakthrough cases that require hospitalization or result in fatality (per new CDC reporting request)
- 693 confirmed vaccine breakthrough cases of heightened public health interest (clinically severe) that resulted in hospitalization
 - Most were 60 and older
 - 119 fatalities: 101 were in those 60 and older, and 89 had reported a known underlying health condition





Epidemiological Trends: MIS-C



Multisystem Inflammatory Syndrome in Children (MIS-C) in Texas

- MIS-C in Texas as of 9/20/2021:
 - 231 total confirmed cases
 - Age range: 7 months-18 years old (median 9 years old)
 - Sex: 150 Male (65%), 81 Female (35%)
 - Race/Ethnicity: 121 Hispanic (52%), 55 Black (24%), 38 White (16%), 6 Asian (3%), 11 Unknown (5%)
- Hospital and ICU admission:
 - 231 Hospitalized
 - 155 ICU admission (67%)
- Outcome:
 - 207 Discharged (90%)
 - 1 fatality (<1%)
 - 23 unknown/lost to follow-up (10%)





Epidemiological Trends: SARS-CoV-2 Variants





USA

WHO label	Lineage #	Type	%Total	95%PI
Alpha	B.1.1.7	VOC	0.0%	0.0-0.2%
Beta	B.1.351	VOC	0.0%	0.0-0.2%
Gamma	P.1	VOC	0.0%	0.0-0.2%
Delta	B.1.617.2	VOC	99.4%	98.6-100.0%
	AY.1	VOC	0.2%	0.0-0.7%
	AY.2	VOC	0.1%	0.0-0.5%
Eta	B.1.525	VOI	0.0%	0.0-0.2%
Iota	B.1.526	VOI	0.0%	0.0-0.2%
Kappa	B.1.617.1	VOI	0.0%	0.0-0.2%
Mu	B.1.621		0.1%	0.0-0.5%
N/A	B.1.617.3	VOI	0.0%	0.0-0.2%
Other	Other*		0.2%	0.0-0.7%

* Enumerated lineages are VOI/VOC or are circulating >1% in at least one HHS region during at least one two week period; remaining lineages are aggregated as "Other".
 ** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates
 # Sublineages of P.1, B.1.351 and B.1.621 are aggregated with the parent lineage and included in parent lineage's proportion. Q.1-Q.8 are aggregated with B.1.1.7. AY.3-AY.25 are aggregated with B.1.617.2.



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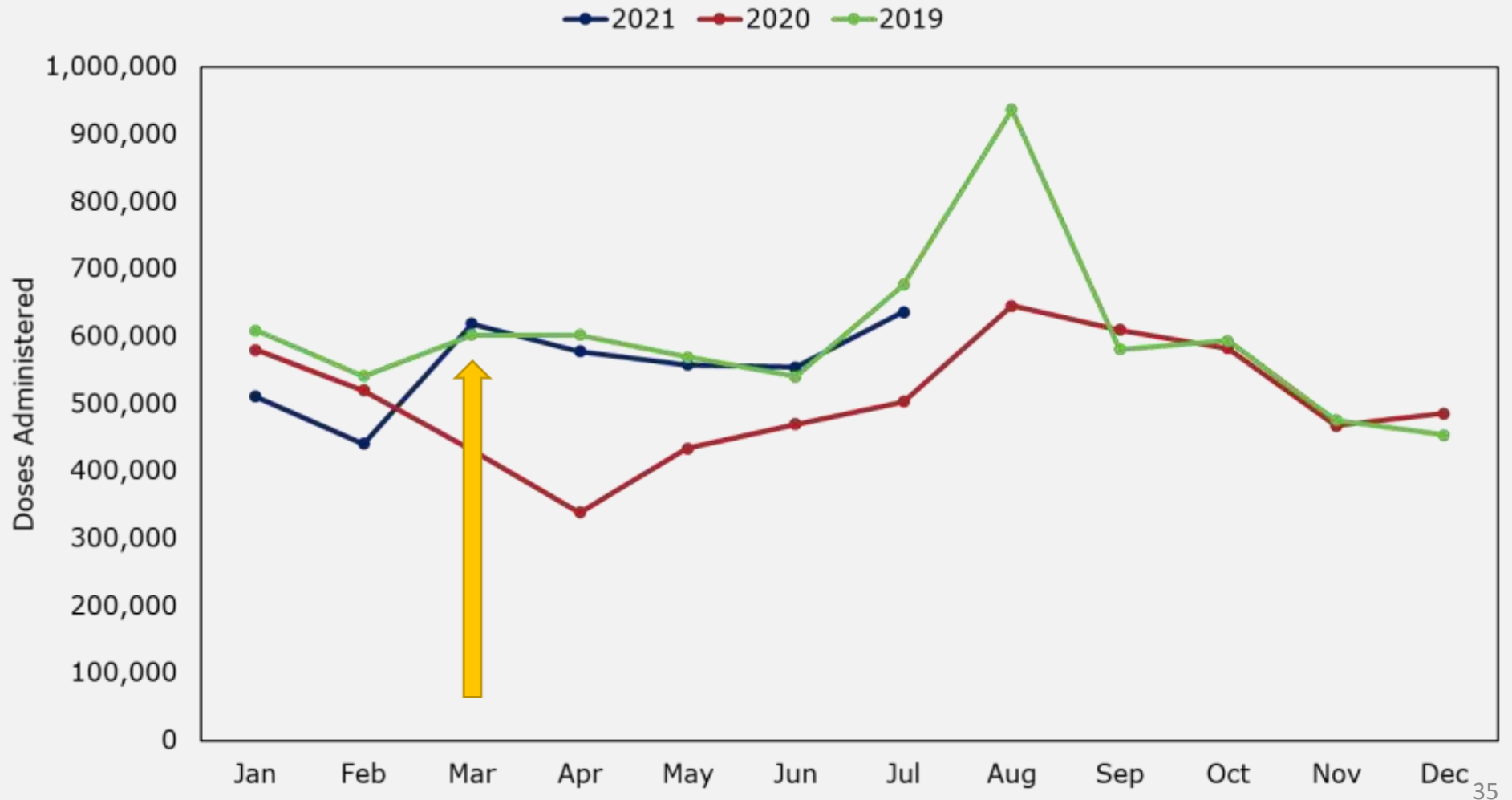
Impact of COVID-19 On Public Health



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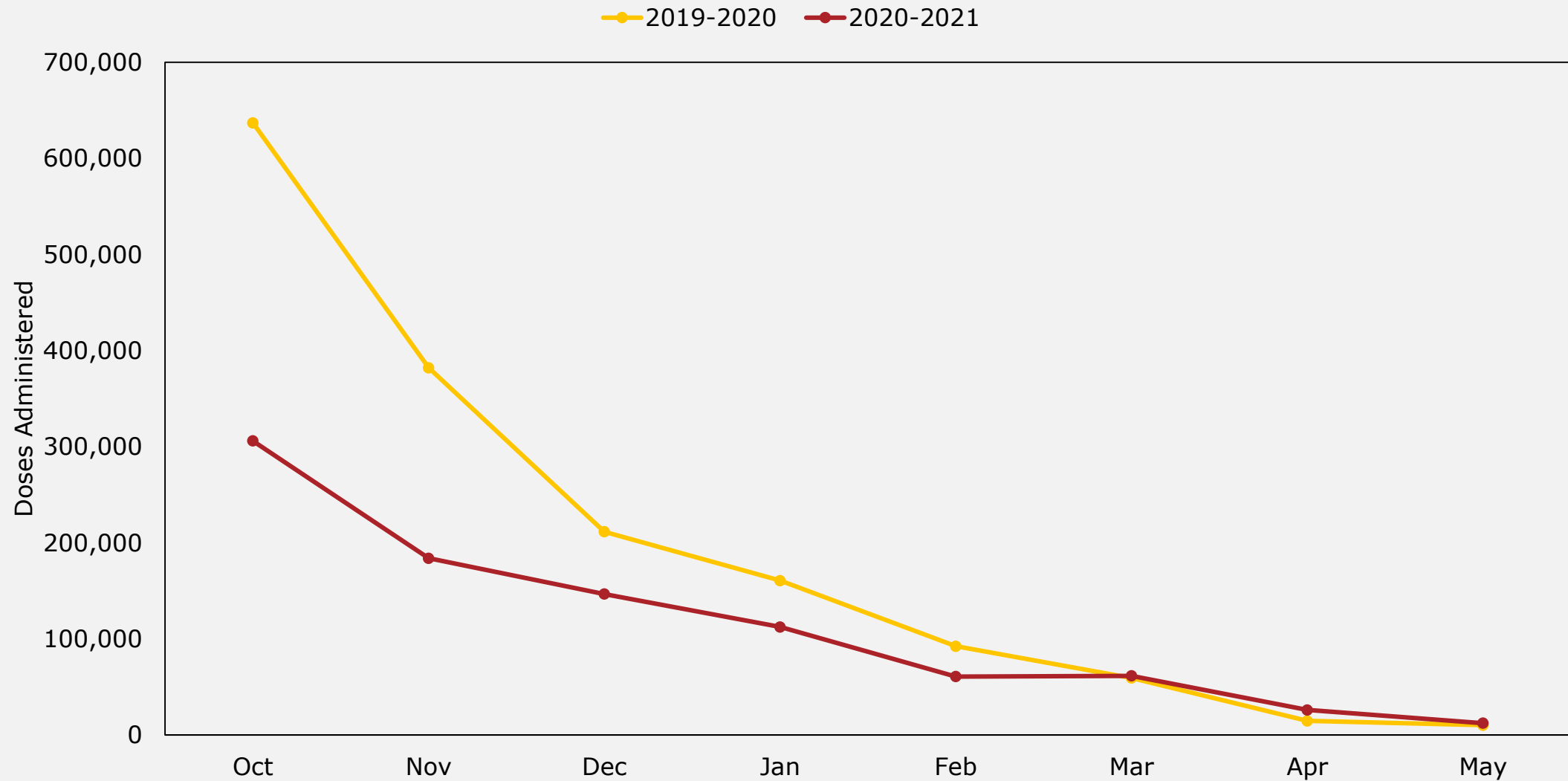
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Texas Vaccines for Children (TVFC) Childhood Non-Flu Vaccines

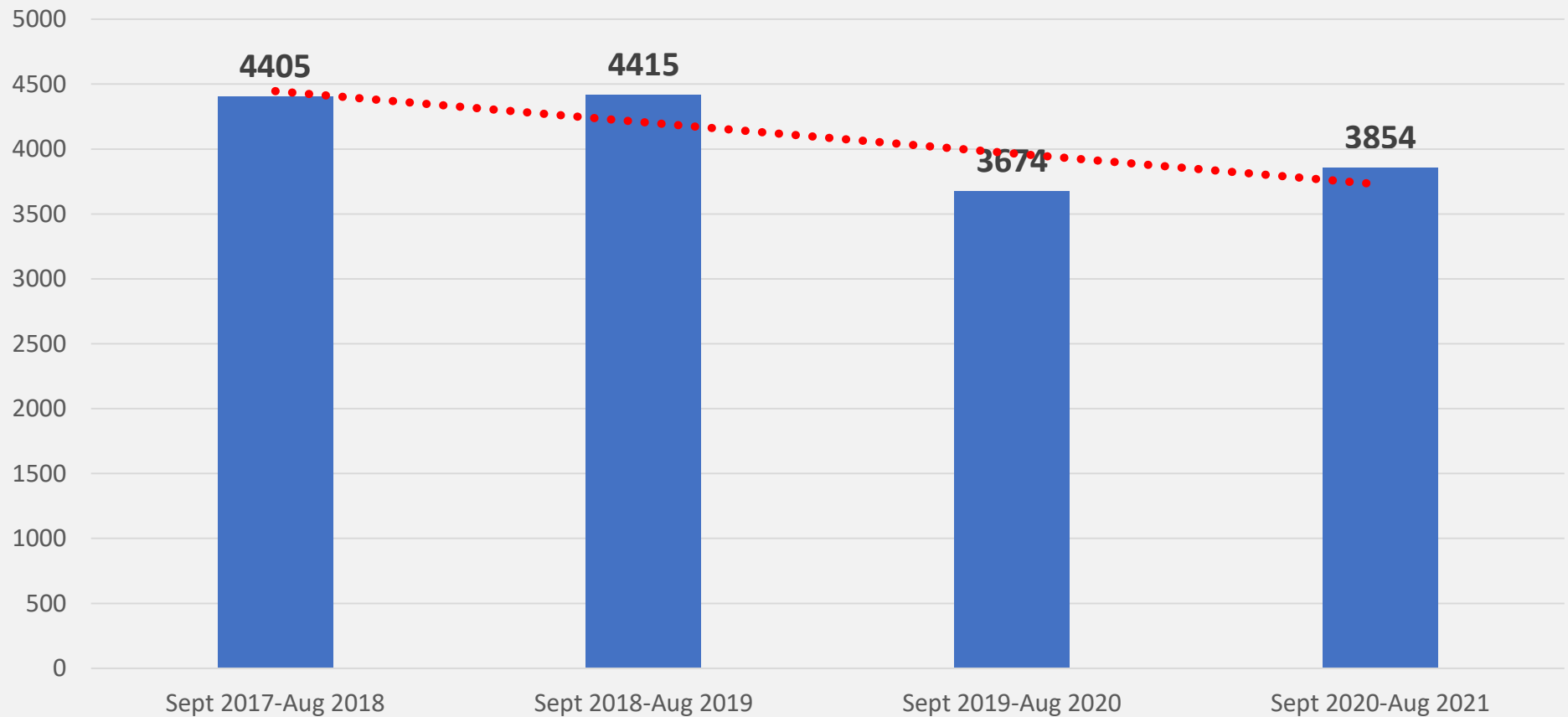


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ImmTrac2 Flu Vaccine Administration by Flu Season



Texas HIV Diagnoses (Sept-Aug rolling year)*



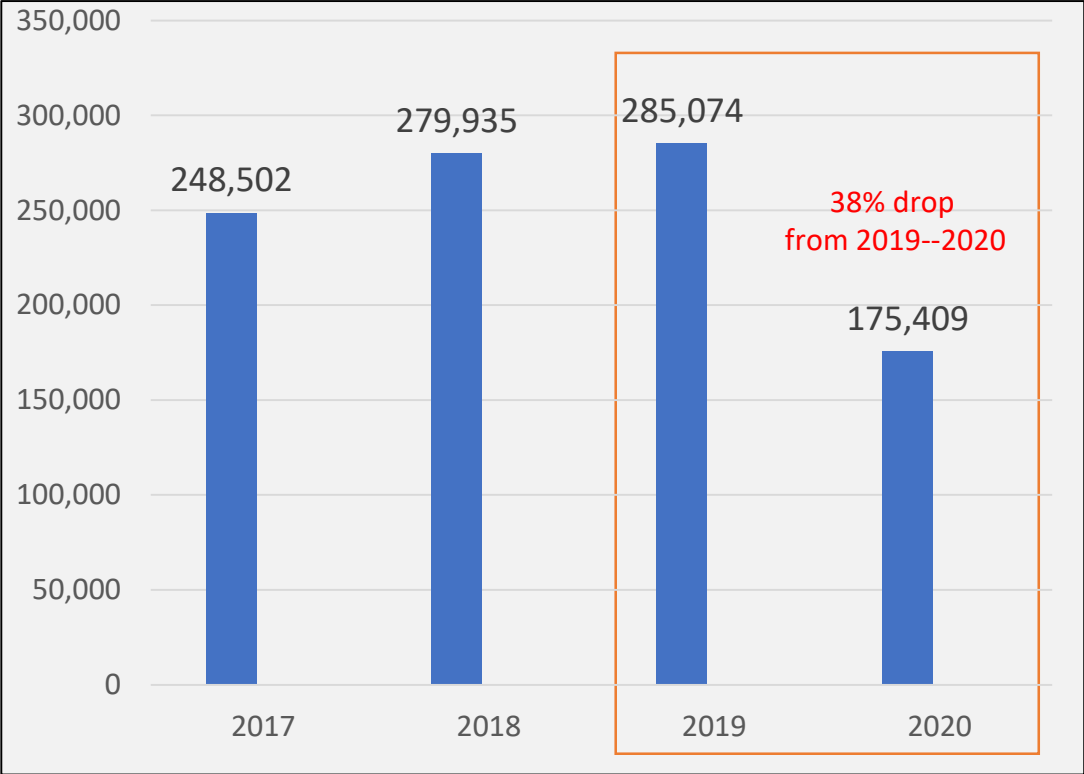
*Provisional Data pulled from eHARS



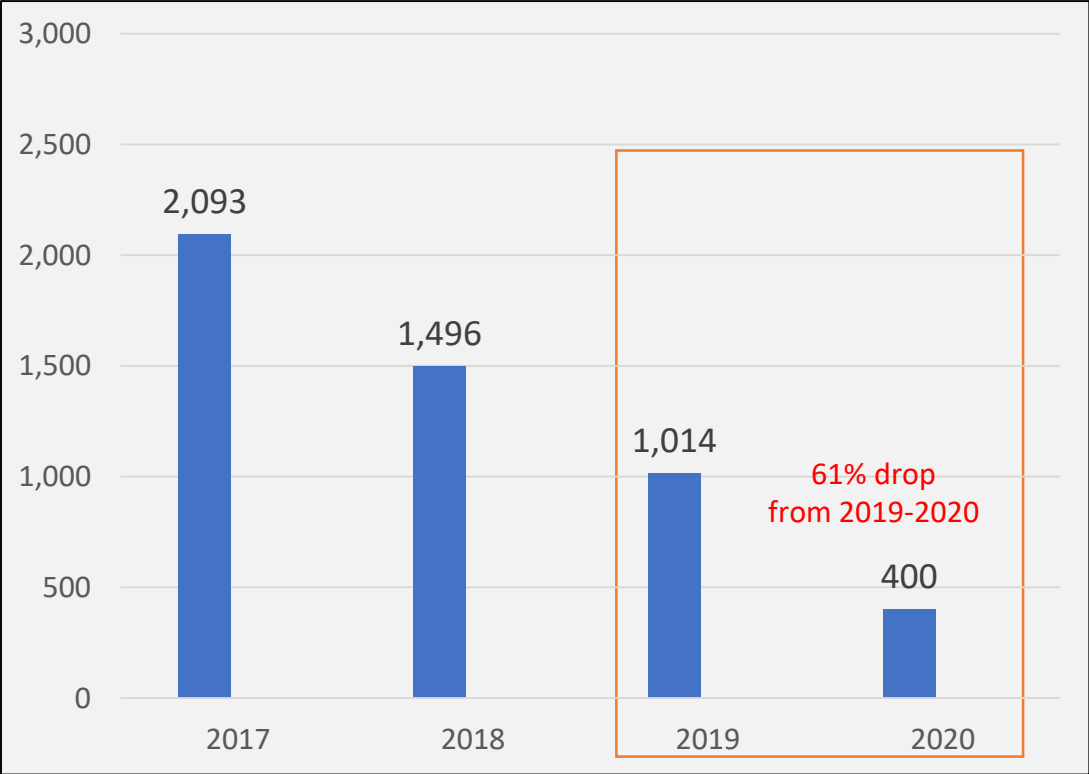
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Changes in DSHS-funded HIV Testing Programs

Testing by HIV prevention contractors, 2017-2018



Partner testing during HIV or syphilis, 2017 -2020



Congenital Syphilis

In 2020, Public Health Follow-Up (PHFU)programs reported:

- 60% experienced 50%-100% staff reassignment to COVID-19 related activities
- 50% did not conduct field activities, limiting the number of timely notifications and field-testing opportunities
- Over 50% reported local STI clinic closures or operating at reduced capacity, impacting timely treatment for persons with an infection and those exposed to an infection

PHFU programs continue to report:

- Pregnant persons hesitant when seeking prenatal care, delaying early engagement in prenatal care and third trimester testing
- Clients reporting concerns with access to emergency departments when penicillin desensitization is necessary to administer adequate treatment
- Limited access to hospital medical records impacted timely identification of CS cases





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>



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Thank you!



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