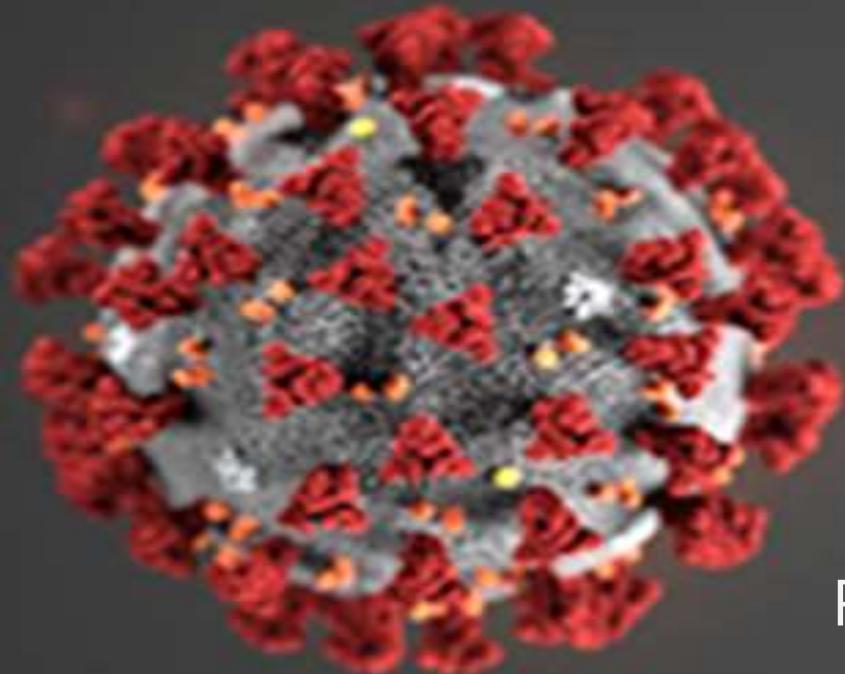




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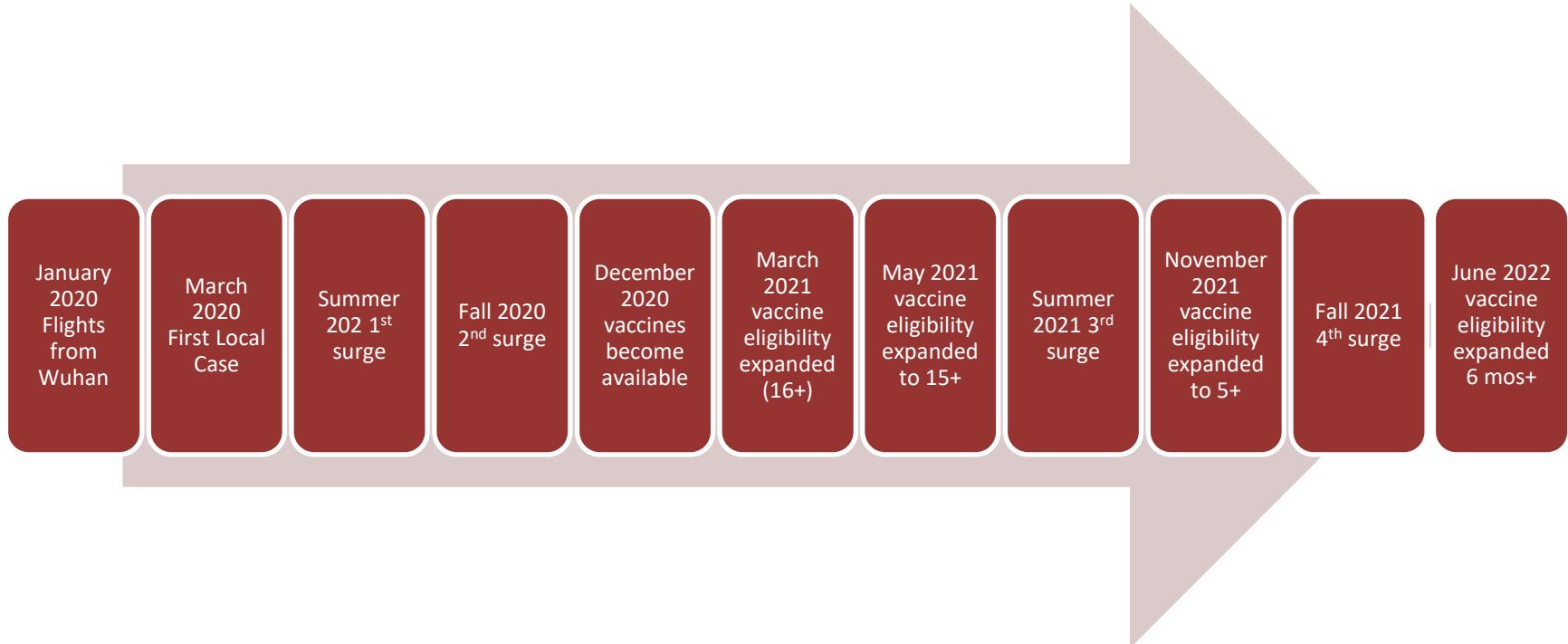
COVID-19 EPI: Current State of the Pandemic in Bexar County

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Chief of Epidemiology

Objectives

- Describe the history and future of COVID-19 in Bexar County.
- Explain COVID-19 terms, including case rates, hospitalization rates, percent positive in hospital, and why these figures matter in determining the current state of the pandemic.
- Increase confidence in interpreting data and graphs. .
- Review current state of the pandemic in Bexar County.

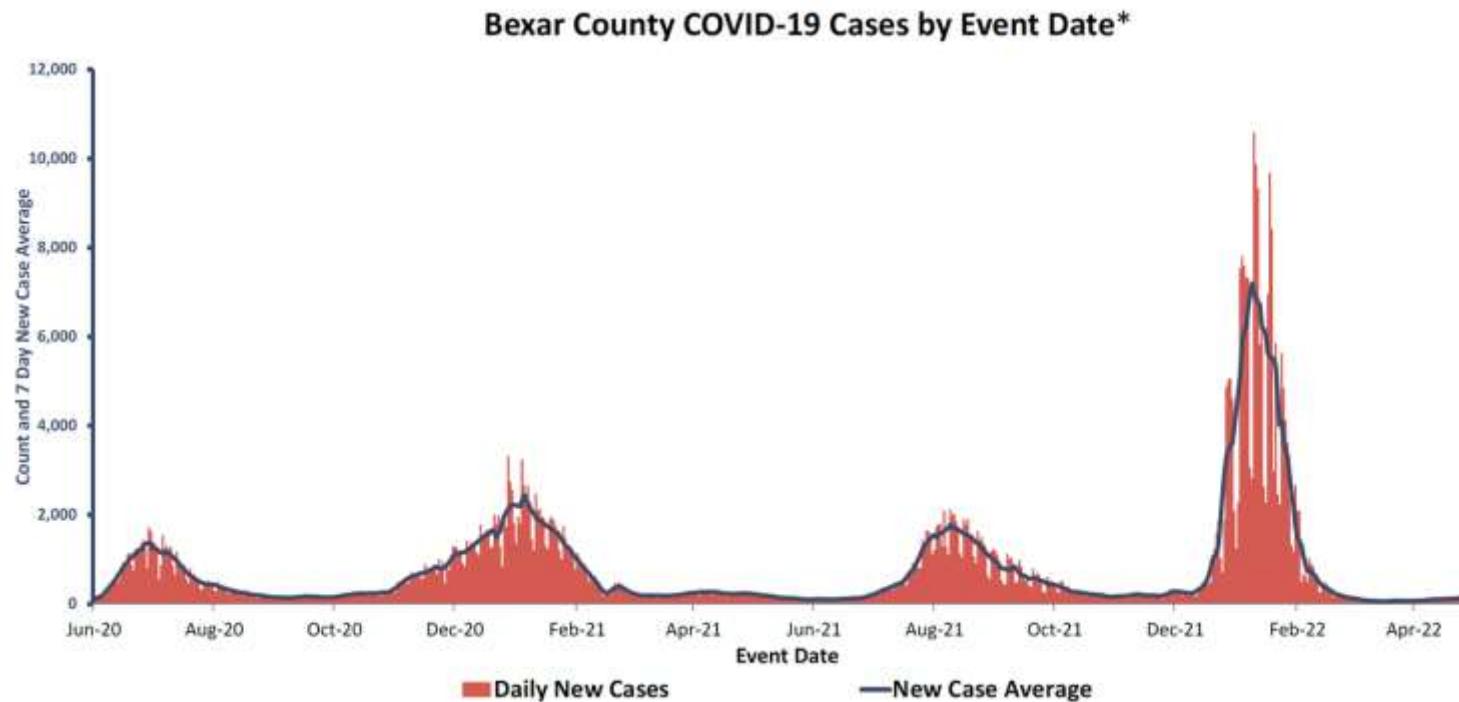
Evolution of COVID-19 in Bexar County



Terminology

- **Epi Curve:** *visual display of the onset of illness among cases associated with an outbreak*
- **Event Date:** *illness onset date (for symptomatic cases), or test collection date (for asymptomatic cases), or when onset date is not available.*

Epi Curve COVID-19 in Bexar County



COVID Community Level

- A measure of the impact of COVID-19 illness on health and healthcare systems
- Cases will continue to occur
- High vaccination rates
- Help individuals make decisions based on their local context and their unique needs
- 3 indicators

COVID-19 Community Level Indicators

- Weekly Case Rate
- Weekly COVID-19 admissions
- Weekly Percent of staffed inpatient beds occupied by COVID-19 patients

What is a Rate?

- Measure of the frequency with which an event occurs in a defined population over a specified period
- Comparing disease frequency
 - different locations,
 - different times, or
 - among different groups of persons with potentially different sized populations
- Formula:
 - $(\text{Numerator}/\text{denominator}) * 100,000$ population

Case Rates

Number of new cases in the county in the past 7 days $\times 100,000$
Population in the county

Hospitalization Rates

Total number of new admissions of patients
with confirmed COVID-19 in the past 7 days X 100,000
Total population in the Trauma Service Area

Percent of staffed inpatient beds in use by patients with confirmed COVID-19

Average number of staffed inpatient beds that are occupied

by patients with confirmed COVID-19 for the last 7days X 100

number of staffed beds

COVID-19 Community Levels – Use the Highest Level that Applies to Your Community

New COVID-19 Cases Per 100,000 people in the past 7 days	Indicators	Low	Medium	High
Fewer than 200	New COVID-19 admissions per 100,000 population (7-day total)	<10.0	10.0-19.9	≥20.0
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	<10.0%	10.0-14.9%	≥15.0%
200 or more	New COVID-19 admissions per 100,000 population (7-day total)	NA	<10.0	≥10.0
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	NA	<10.0%	≥10.0%

COVID-19 Community Level and Prevention

Level	Individual- and household-level prevention behaviors
Low	<ul style="list-style-type: none">• COVID-19 vaccines and boosters• Isolation• <u>High risk</u> for severe disease<ul style="list-style-type: none">• Rapid testing if needed• Treatments like oral antivirals, PrEP, and monoclonal antibodies
Medium	<ul style="list-style-type: none">• <u>High risk</u> for severe disease: Masking• If you have household or social contact with someone at <u>high risk</u> for severe disease<ul style="list-style-type: none">• Consider self-testing to detect infection before contact• Consider wearing a mask when indoors with them
High	<ul style="list-style-type: none">• Wear a well-fitting mask indoors in public, regardless of vaccination status• <u>High risk</u> for severe disease: Consider avoiding non-essential indoor activities in public where you could be exposed



COVID-19: COMMUNITY LEVEL

10/03/2022



IMPROVING

WHAT WE'RE WATCHING



NEW ADMISSIONS



CASE RATE



HOSPITALIZATIONS

New Admissions
18.1

Case Rate
65.3

Hospitalizations
8.1%



Dashboards & Data

Home | Report & Metrics | Dashboards & Data

Dashboards & Data



What We're Watching

Updated Tuesdays at 4:30 PM | View the COVID-19 Community Levels Dashboard



Explanation of Indicators

Note: The warning indicators used to determine San Antonio/Bexar County's Risk Levels have changed to mirror the Centers for Disease Control and Prevention's [COVID-19 Risk Levels](#).

COVID-19 Summary: San Antonio/Bexar County

Updated Monday through Friday at 4:30 PM | View all [COVID-19 Case Dashboard](#)



Surveillance - Case Numbers

Explore data including: Active Cases, Cumulative Cases & Deaths, Cases by Zip Code, Hospitalizations, Lab Testing, and Vaccinations.



COVID-19 Community Levels

Explore data including: New cases rate, new COVID-19 hospital admissions rate, and % Staffed Inpatient Beds in Use by Patients with Confirmed COVID-19 7-day cumulative case rate.



Schools - Case Numbers

Find links to dashboards and data about COVID-19 cases in Bexar County schools and state-wide.



Vaccination Statistics

View data that shows how many individuals within Bexar County have received the COVID-19 vaccine.



Monthly Epidemiological Reports

View the monthly report detailing: Cases, Hospitalizations, Deaths, Underlying Conditions, and Risks.



Johns Hopkins Global Cases Map

View the [Covid-19 Global Cases](#) by Johns Hopkins CSSE





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QUESTIONS?

