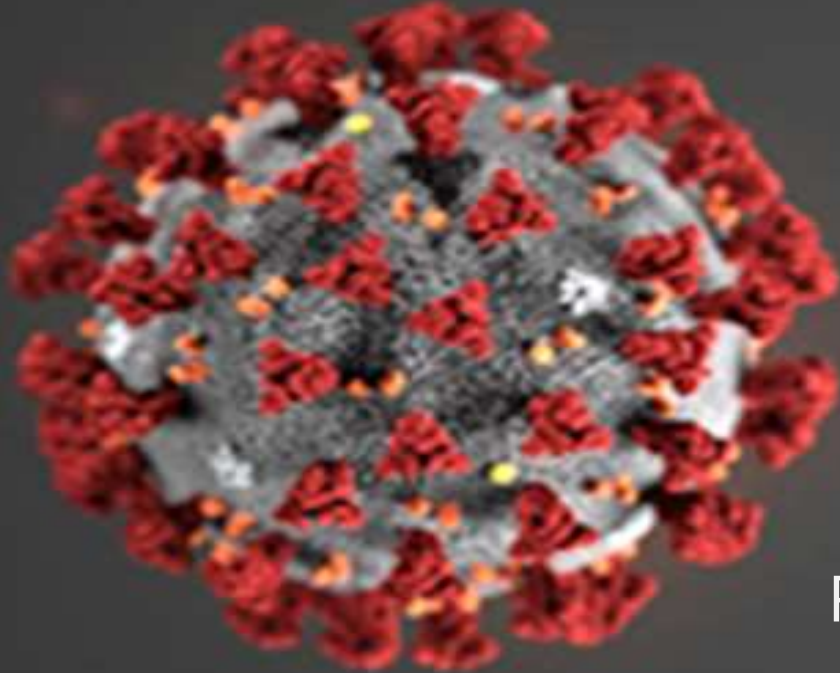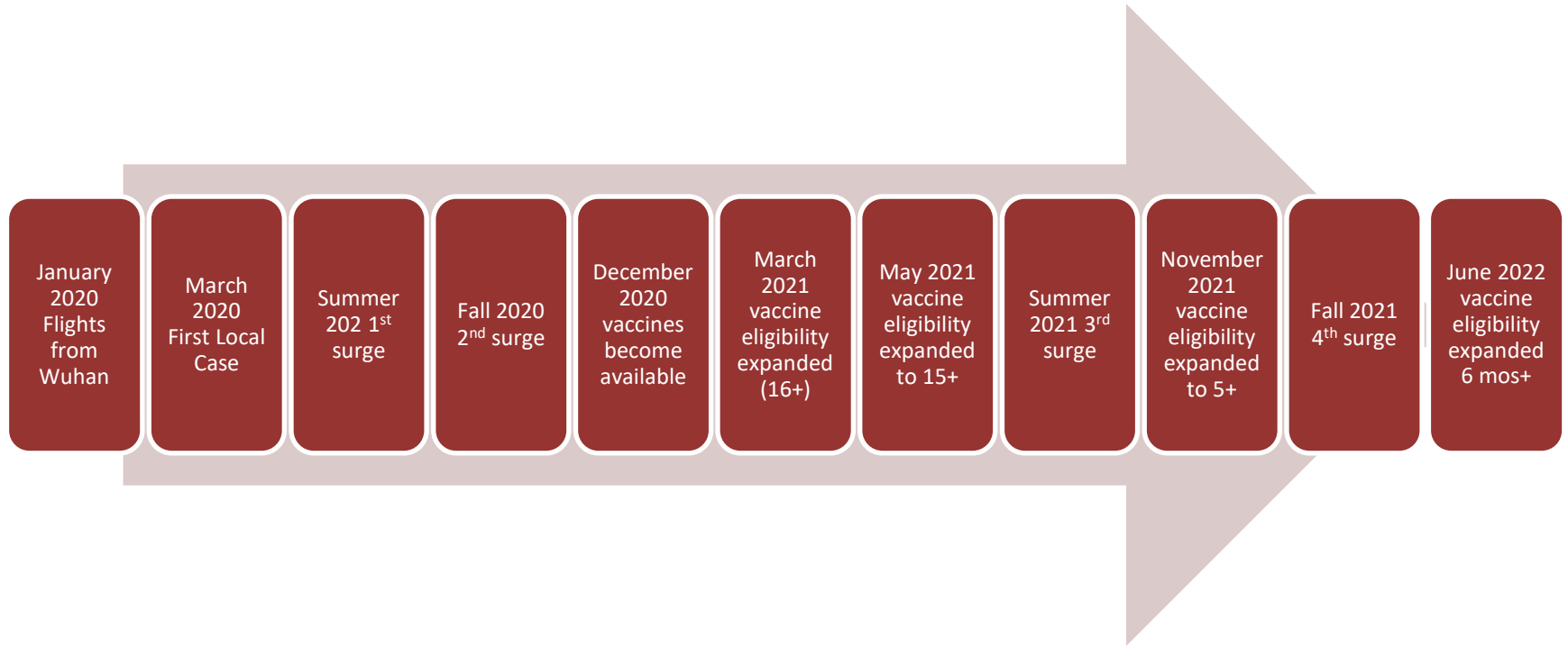CITY OF SAN ANTONIO
METROPOLITAN HEALTH DISTRICT

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

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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.

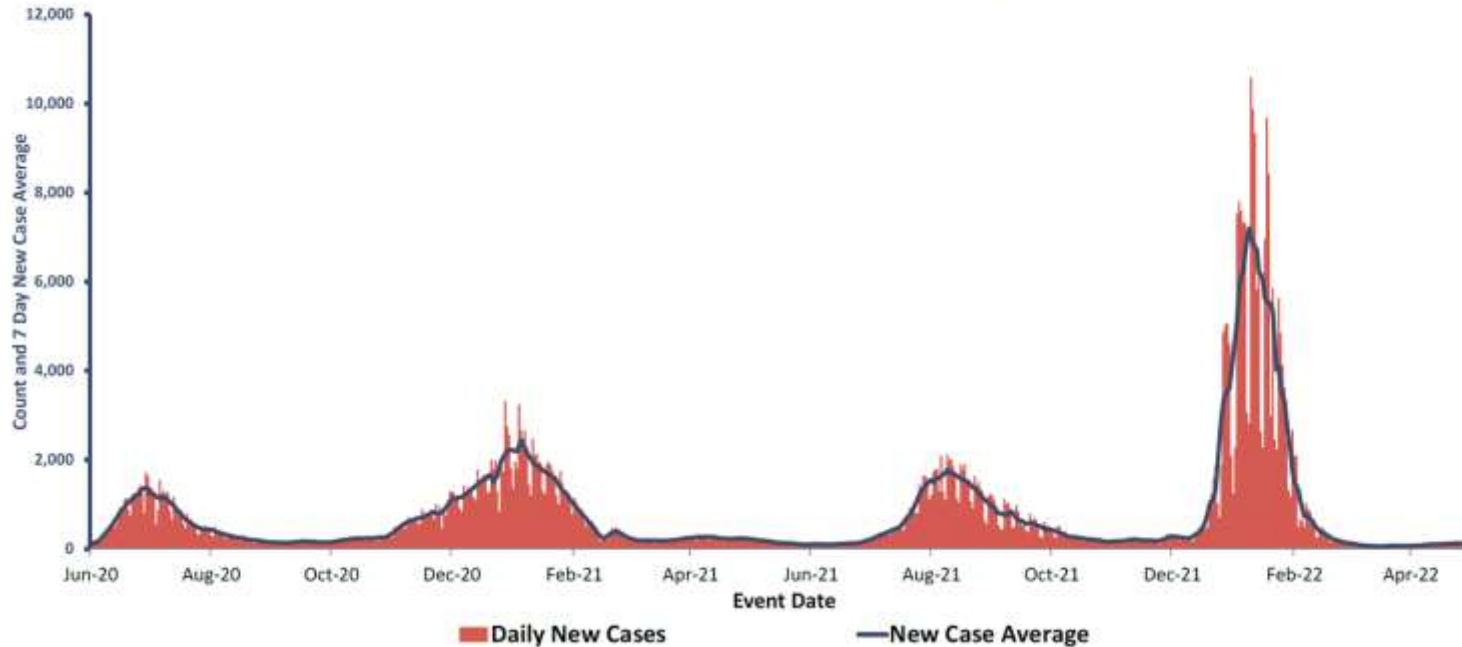# Evolution of COVID-19 in Bexar County

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

Bexar County COVID-19 Cases by Event Date*

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:
  - (Numerator/denominator) *100,000 population

Case Rates

Number of new cases in the county in the past 7 days   X 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	- COVID-19 vaccines and boosters - Isolation - <u>High risk</u> for severe disease - Rapid testing if needed - Treatments like oral antivirals, PrEP, and monoclonal antibodies
Medium	- <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 - Consider self-testing to detect infection before contact - Consider wearing a mask when indoors with them
High	- 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

New Admissions
18.1

Case Rate
65.3

Hospitalizations
8.1%

Dashboards & Data

QUESTIONS?