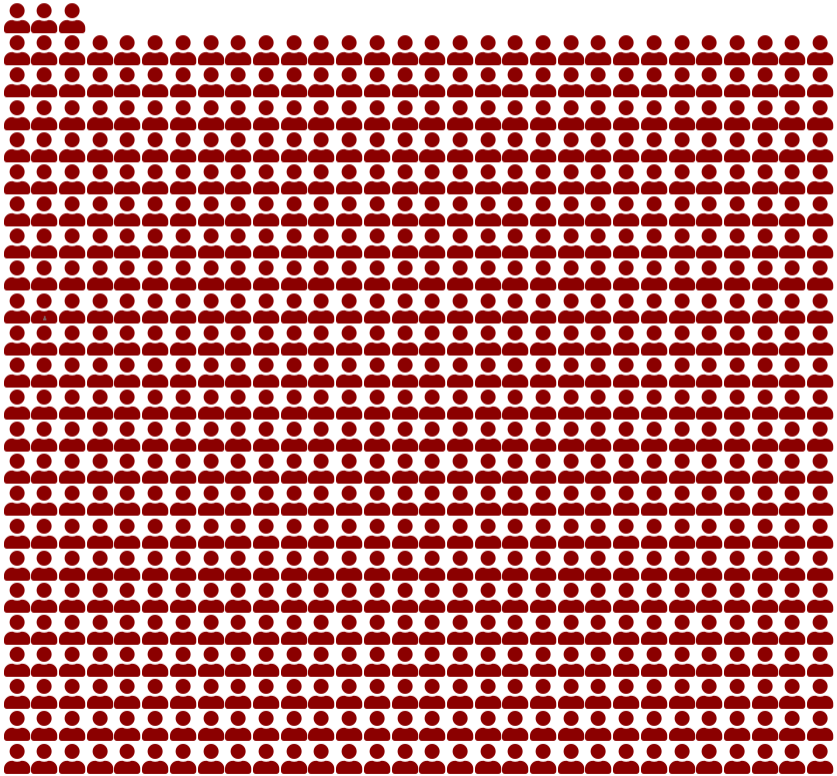
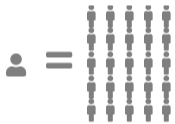
POSITIVE COVID TESTS, NUECES: July 1 - Sept 20

17338 NOT VACCINATED



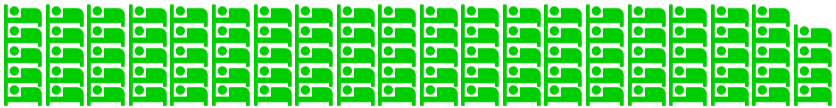
812 FULLY VACCINATED



COVID INPATIENTS ADMITTED: Aug 01 - Sept 20

799 NOT VACCINATED

99 BREAKTHROUGH



TEXAS COASTAL BEND COVID-19 PANDEMIC REPORT

September 22, 2021

TAMU-CC Informatics & Modeling Team

Dr Chris Bird, Associate Professor

TEXAS A&M UNIVERSITY CORPUS CHRISTI

STATE OF TEXAS · COUNTY OF NUECES

CITY OF CORPUS CHRISTI, TEXAS · INCORPORATED 1852

Public Health
Prevent. Promote. Protect.

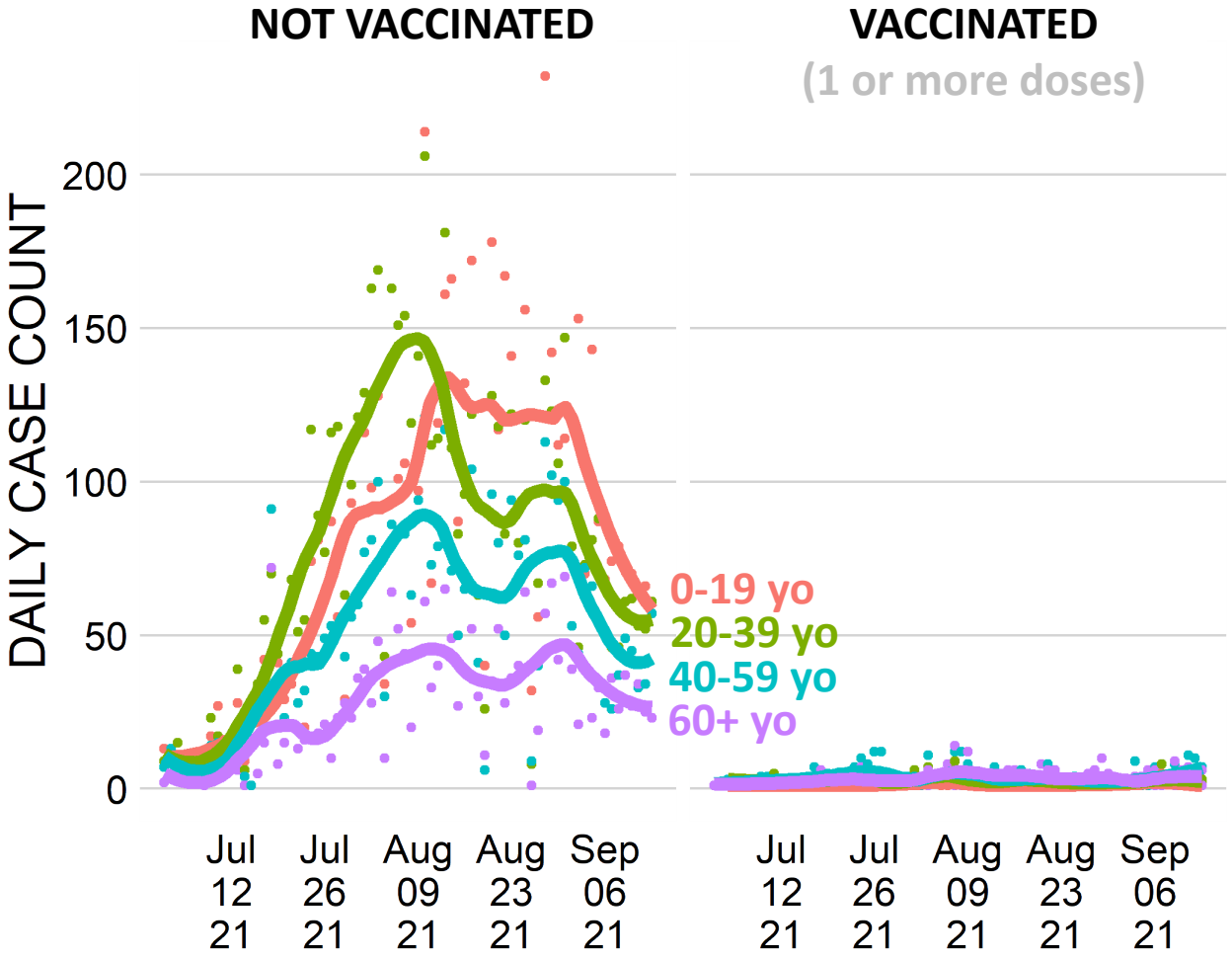
COASTAL BEND
REGIONAL ADVISORY COUNCIL

OBJECTIVES

ADDRESS PUBLIC CONCERNS & QUESTIONS ABOUT *COVID-19* & INTERVENTIONS

ENABLE EVIDENCE-BASED DECISION MAKING

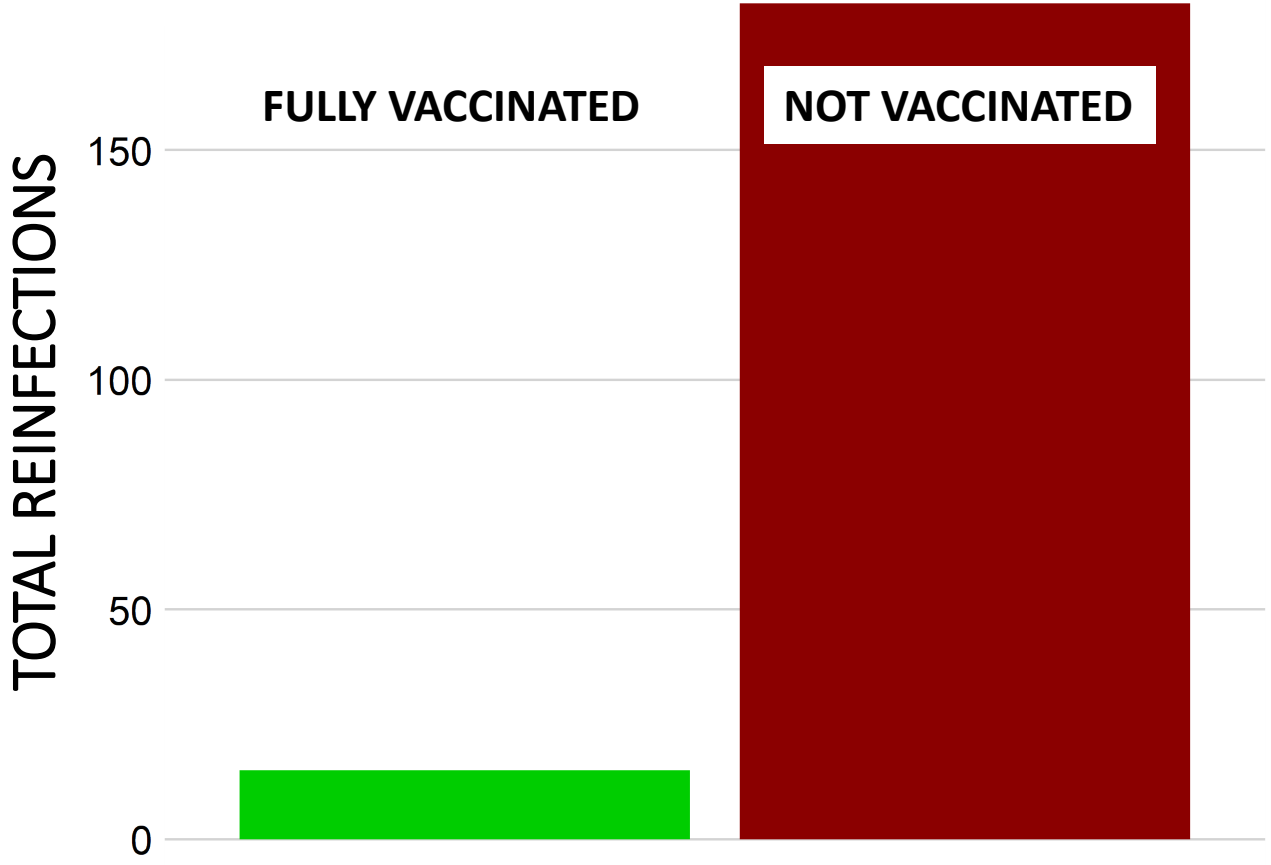
NUECES: CASE COUNT



MAJORITY OF CASES UNVAXXED

CASES DECLINING

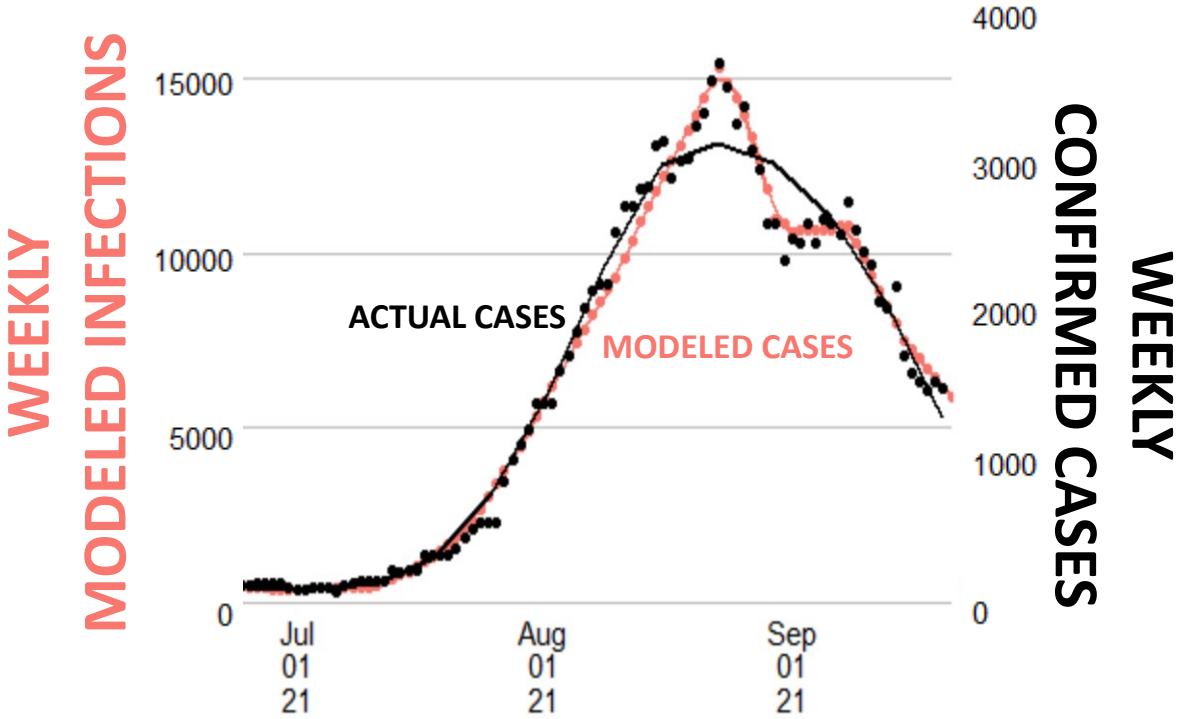
NUECES COVID REINFECTIONS SINCE JULY 1, 2021



MAJORITY OF REINFECTIONS UNVAXXED

TAMU-CC MODEL CALIBRATION

COASTAL BEND

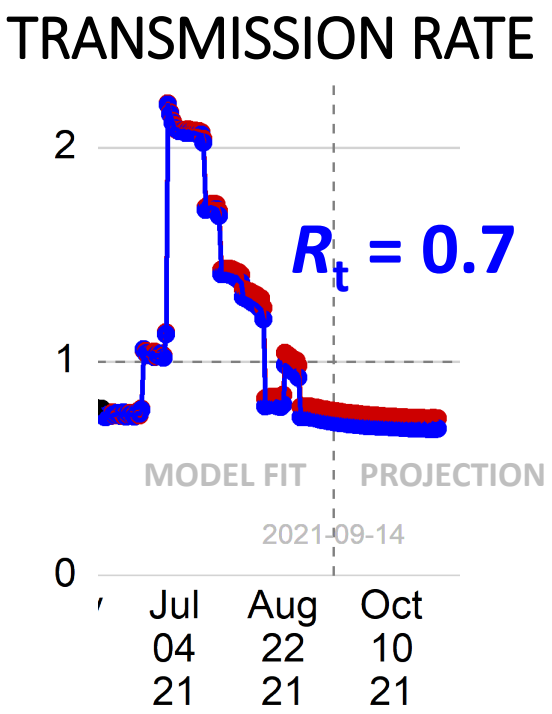


CASES DECLINING FOR 2 WEEKS

TAMU-CC MODEL
2 SCENARIOS

1. **Present Projection**

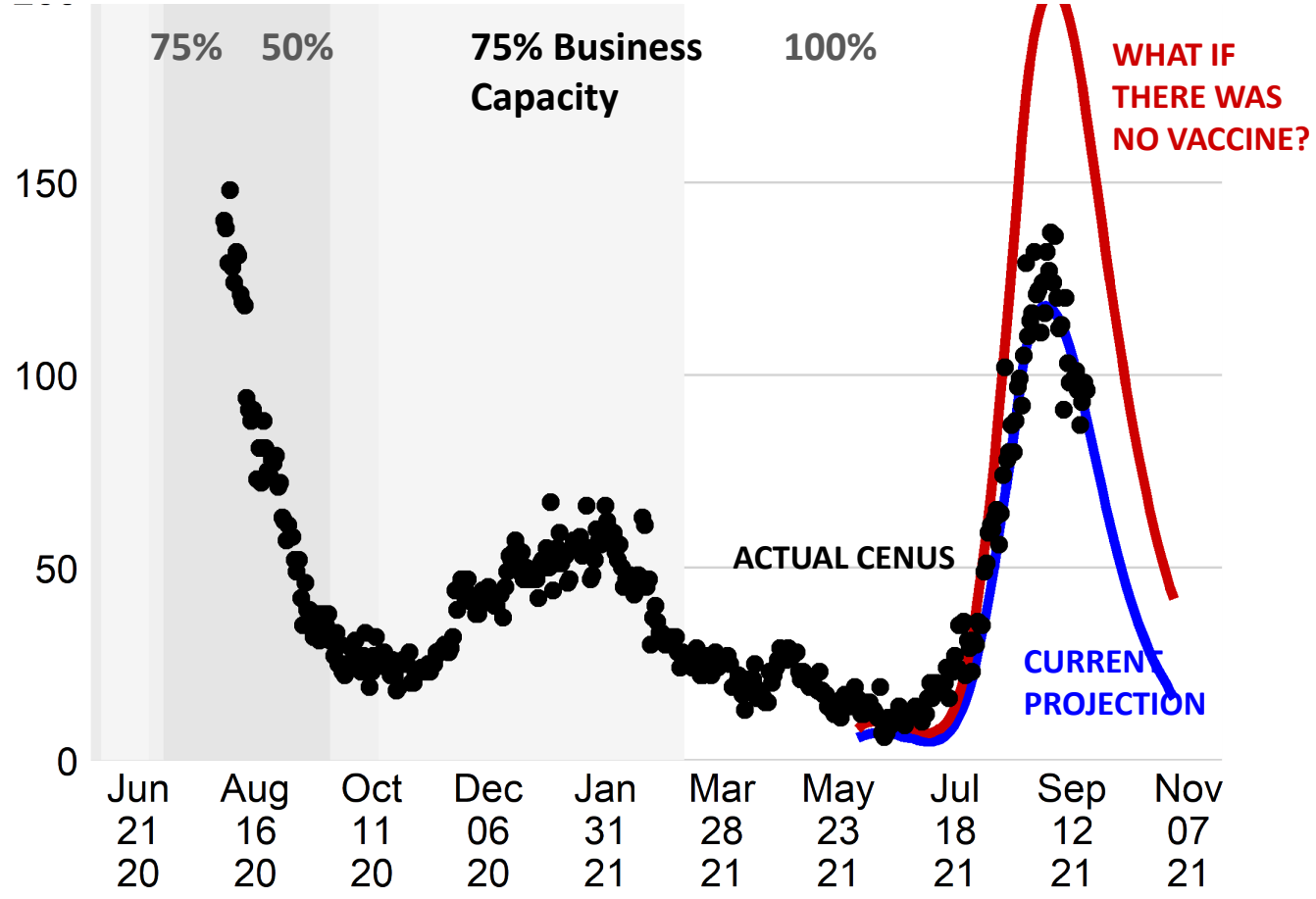
2. **What Would Have Happened Without Vaccine**
   1. Assume same transmission dynamics
   2. Increase number of susceptible people



Model: https://covid19-scenarios.org/

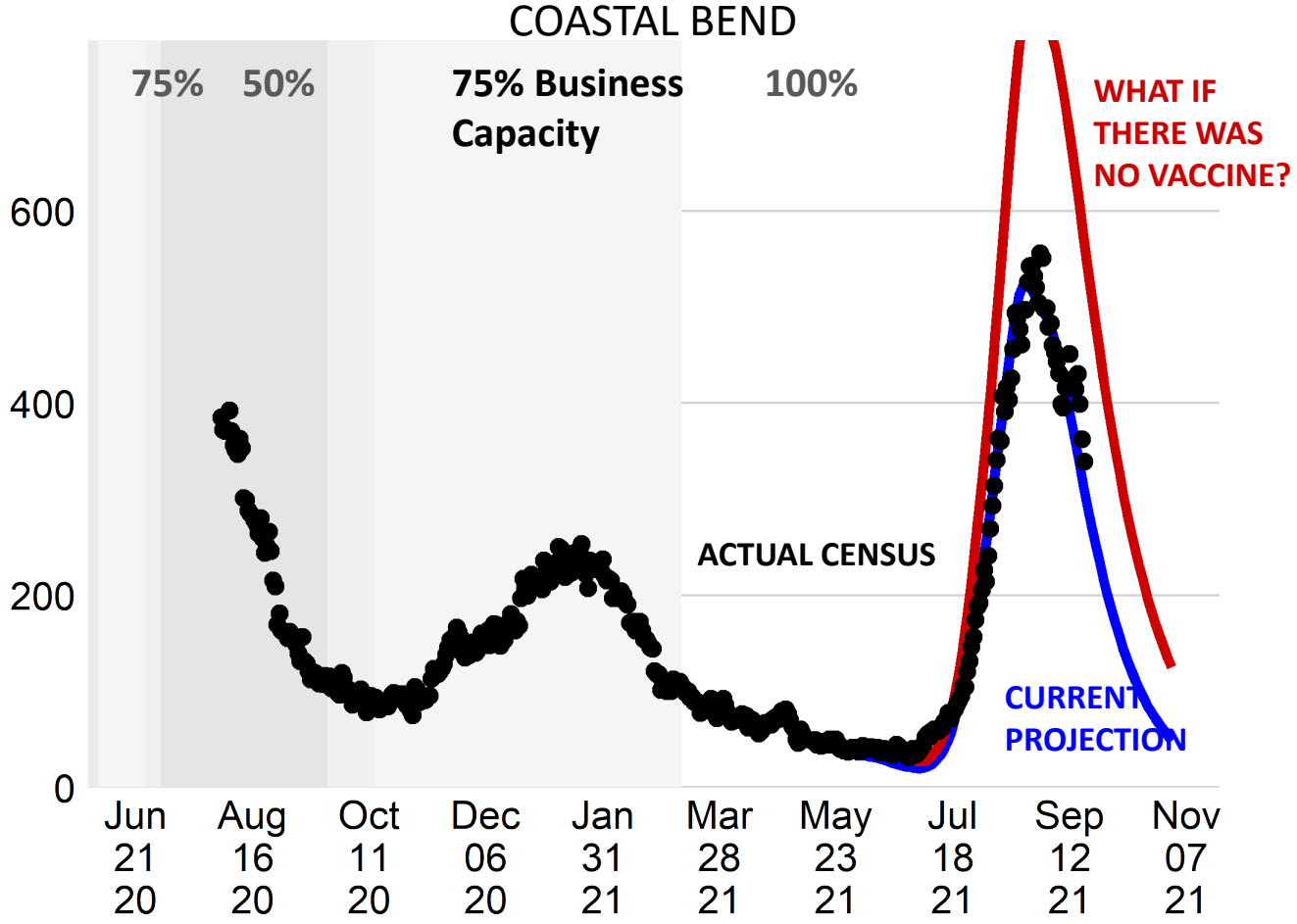
DAILY CENSUS COVID ICU

COASTAL BEND



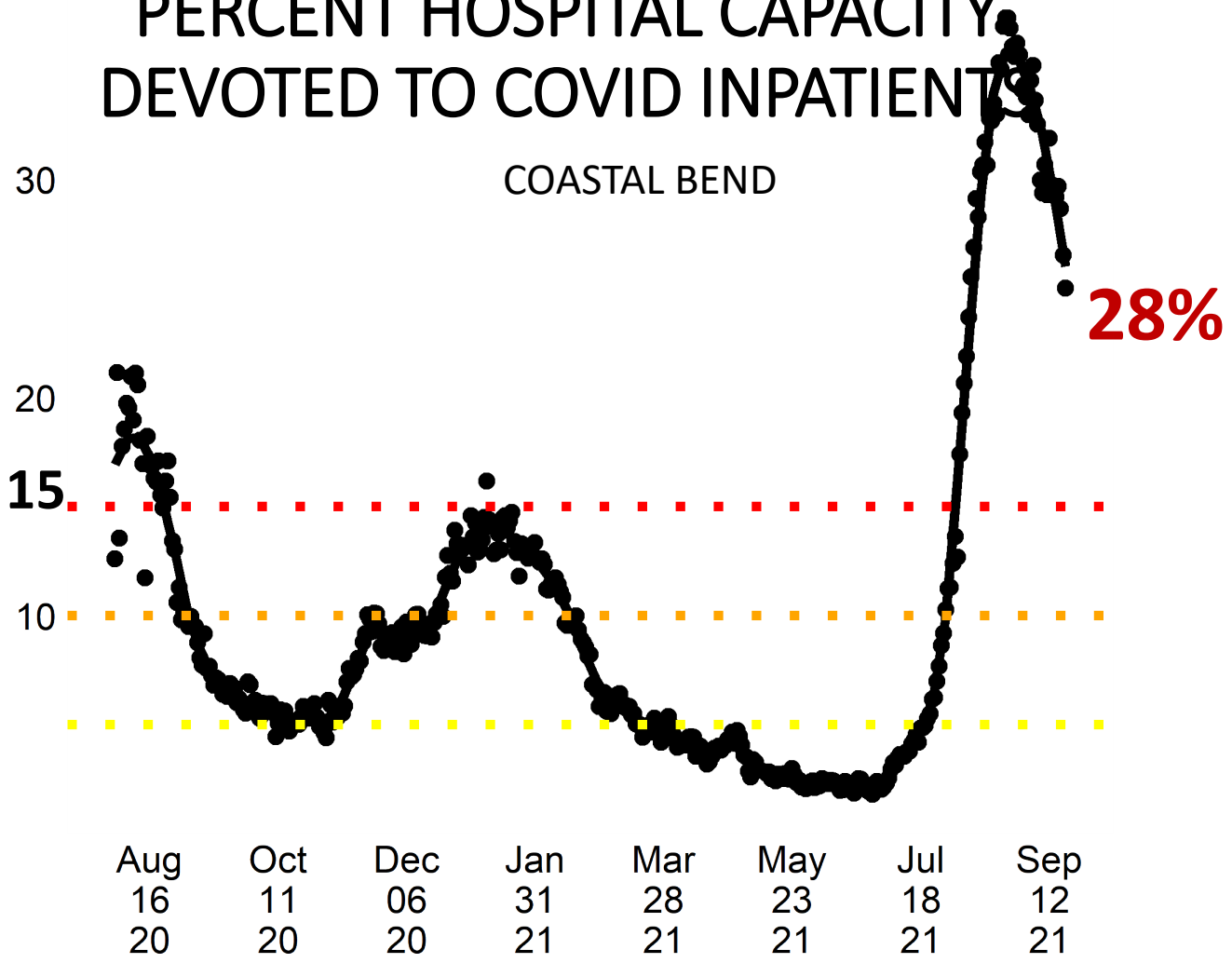
WITHOUT VACCINE, PEAK ESTIMATE ~45% HIGHER

DAILY CENSUS COVID INPATIENTS



WITHOUT VACCINE, PEAK ESTIMATE ~45% HIGHER

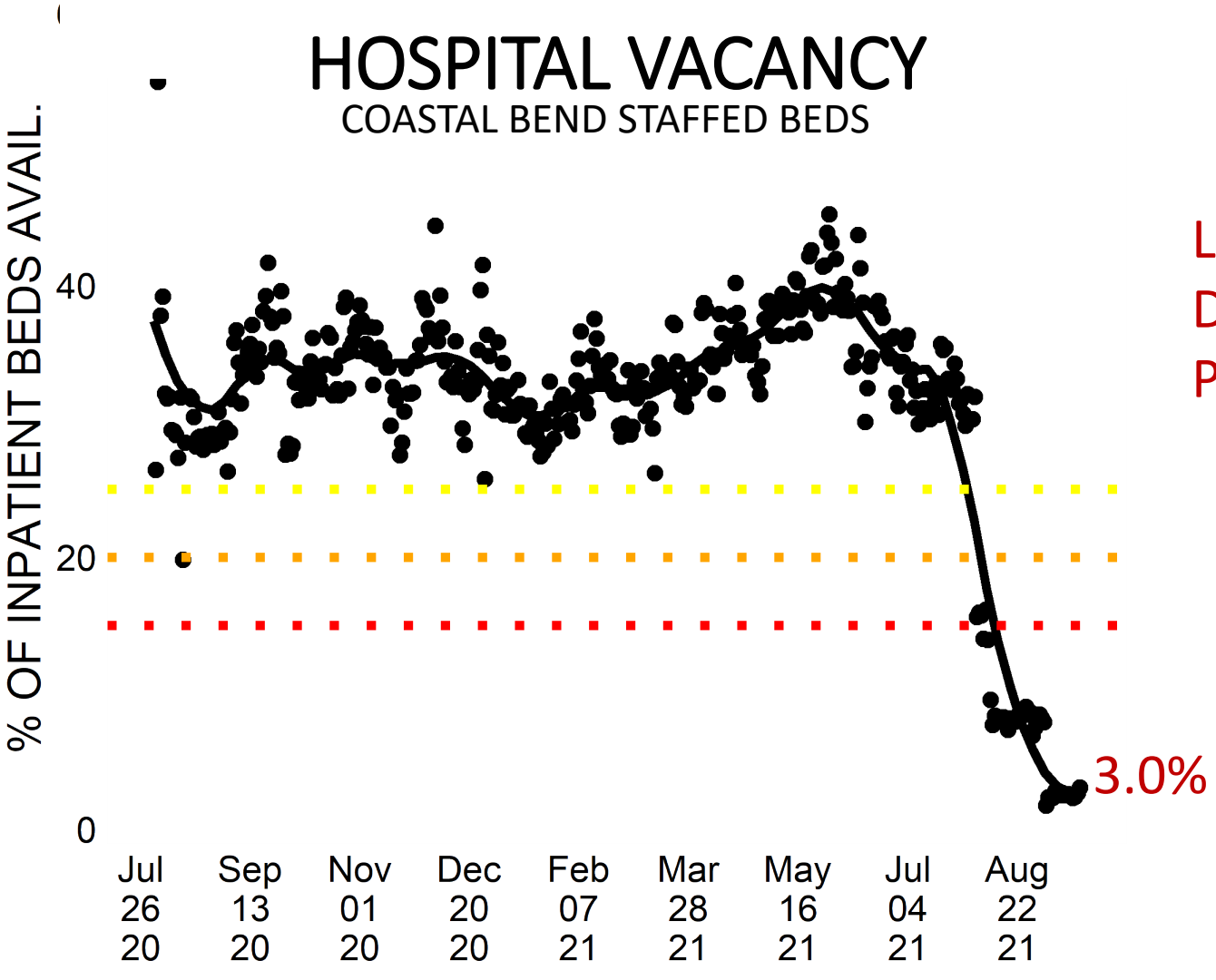
PERCENT HOSPITAL CAPACITY DEVOTED TO COVID INPATIENTS



DECLINING BUT CONTINUED HIGH EFFECT ON HOSPITALS

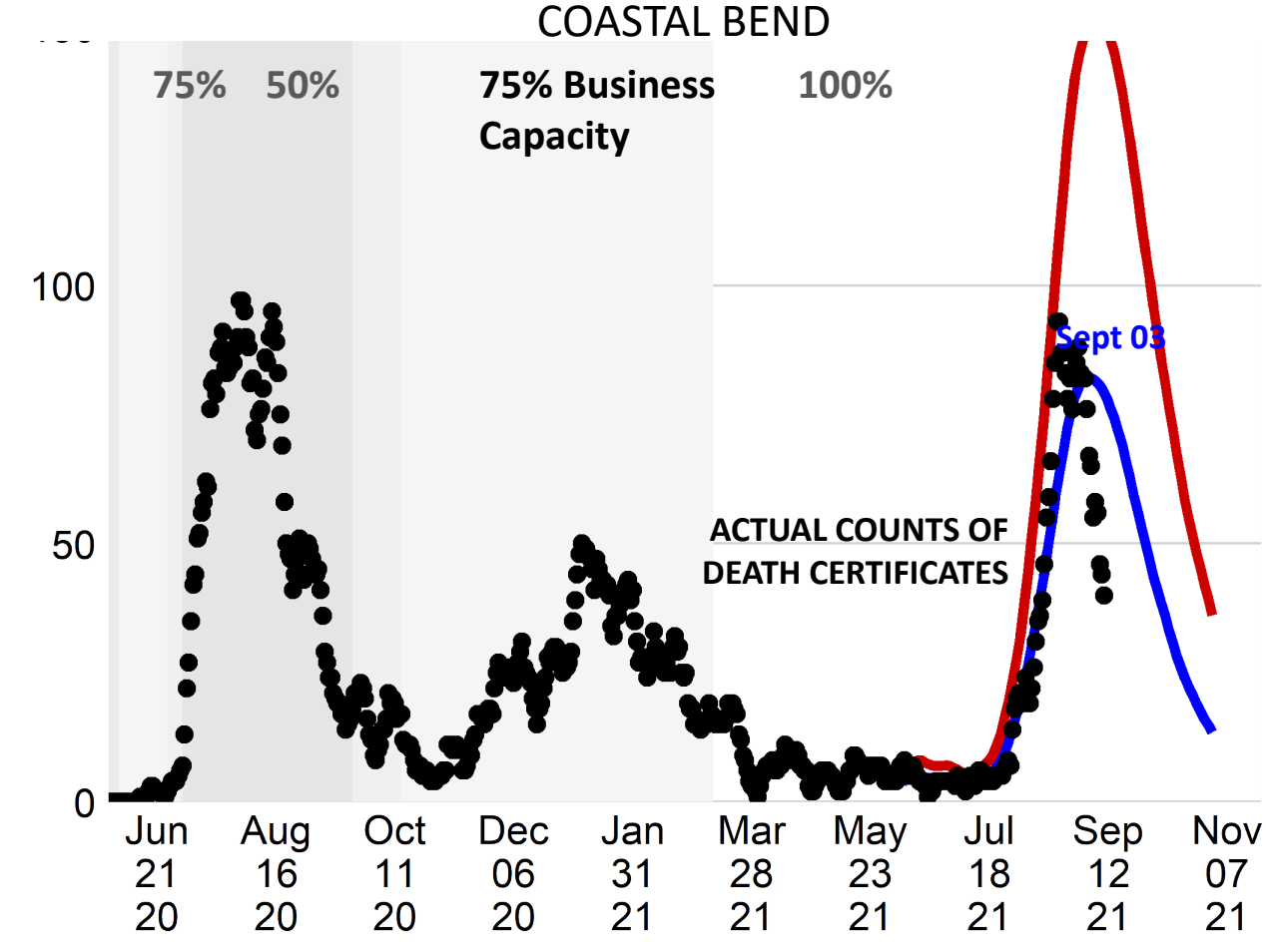
HOSPITAL VACANCY

COASTAL BEND STAFFED BEDS



LOWEST OBSERVED DURING COVID PANDEMIC

WEEKLY COVID FATALITIES



DEATH CERTIFICATES STILL BEING PROCESSED FROM OVER 2 WEEKS AGO

SUMMARY

- Vaccines work
- New cases, hospitalizations, & fatalities declining
- Fatalities still being counted by state, figs will change
- Recommendations to flatten Delta wave
  - If symptomatic
    - Self-isolate, get tested
    - If positive, get Monoclonal Antibodies
  - Mask up in public, social distance
  - Get Vaccinated

TRAVEL TIPS

- Get tested
- Wear mask
- Vax card
- Self-monitor

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