# TEXAS COASTAL BEND COVID-19 PANDEMIC REPORT

**November 5, 2020**

**CC TAMU-CC Joint COVID-19 Modelling Task Force**

***https://tinyurl.com/TAMUCC-COVID***

# TASK FORCE OBJECTIVES

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

## ENABLE EVIDENCE-BASED DECISION MAKING

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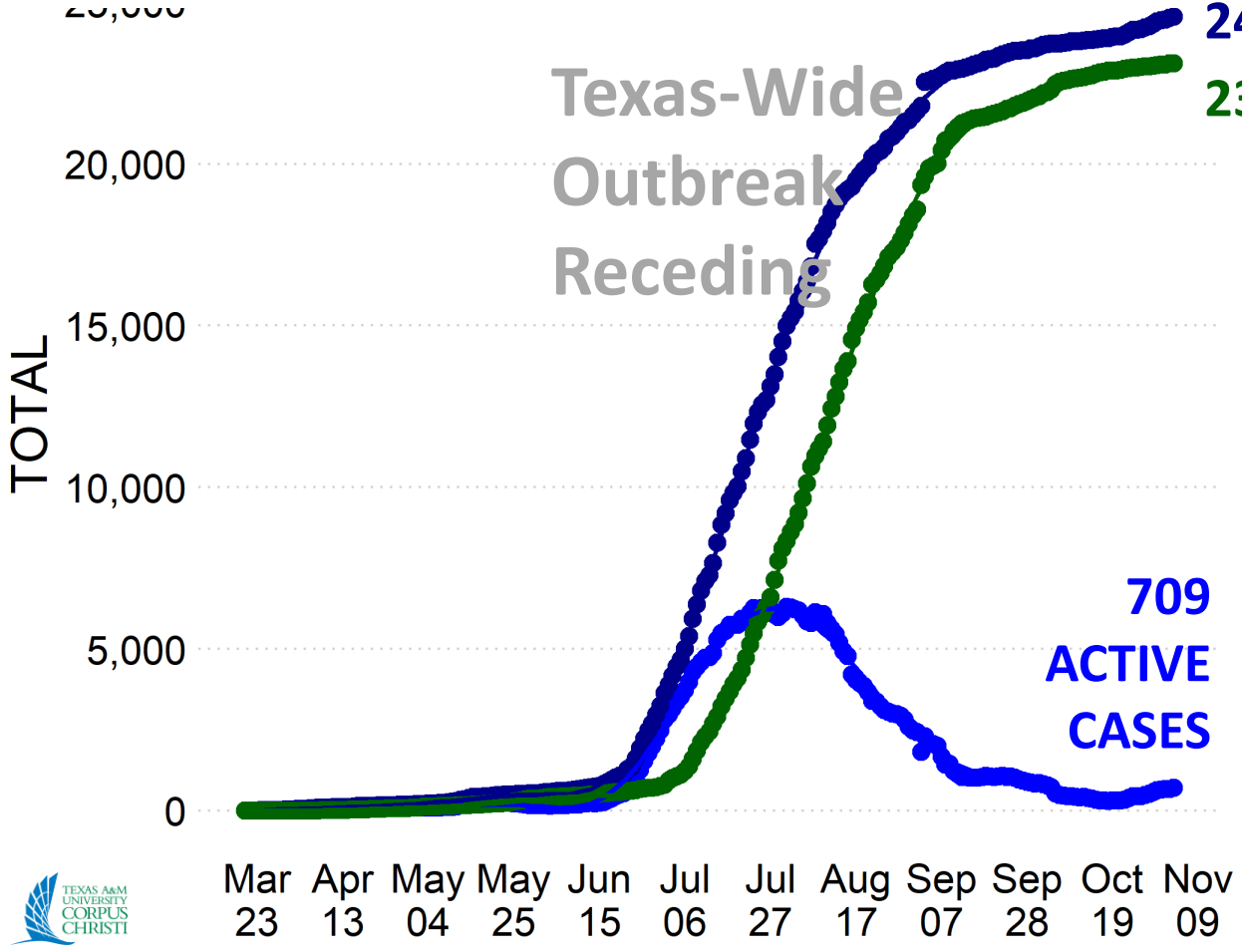
# INTERVENTIONS & OPENING TX

1. STAY-AT-HOME IF YOU CAN
2. SOCIAL DISTANCING & FACE COVERINGS
3. SELF ISOLATE WHEN SYMPTOMATIC
4. SCHOOL RESTRICTIONS
5. OPEN TX 1, 2, 3, 2, 1.5, 3

# COASTAL BEND "COVID CONFIRMED" CASES




~50% INCREASE IN ACTIVE CASES FROM LAST WEEK

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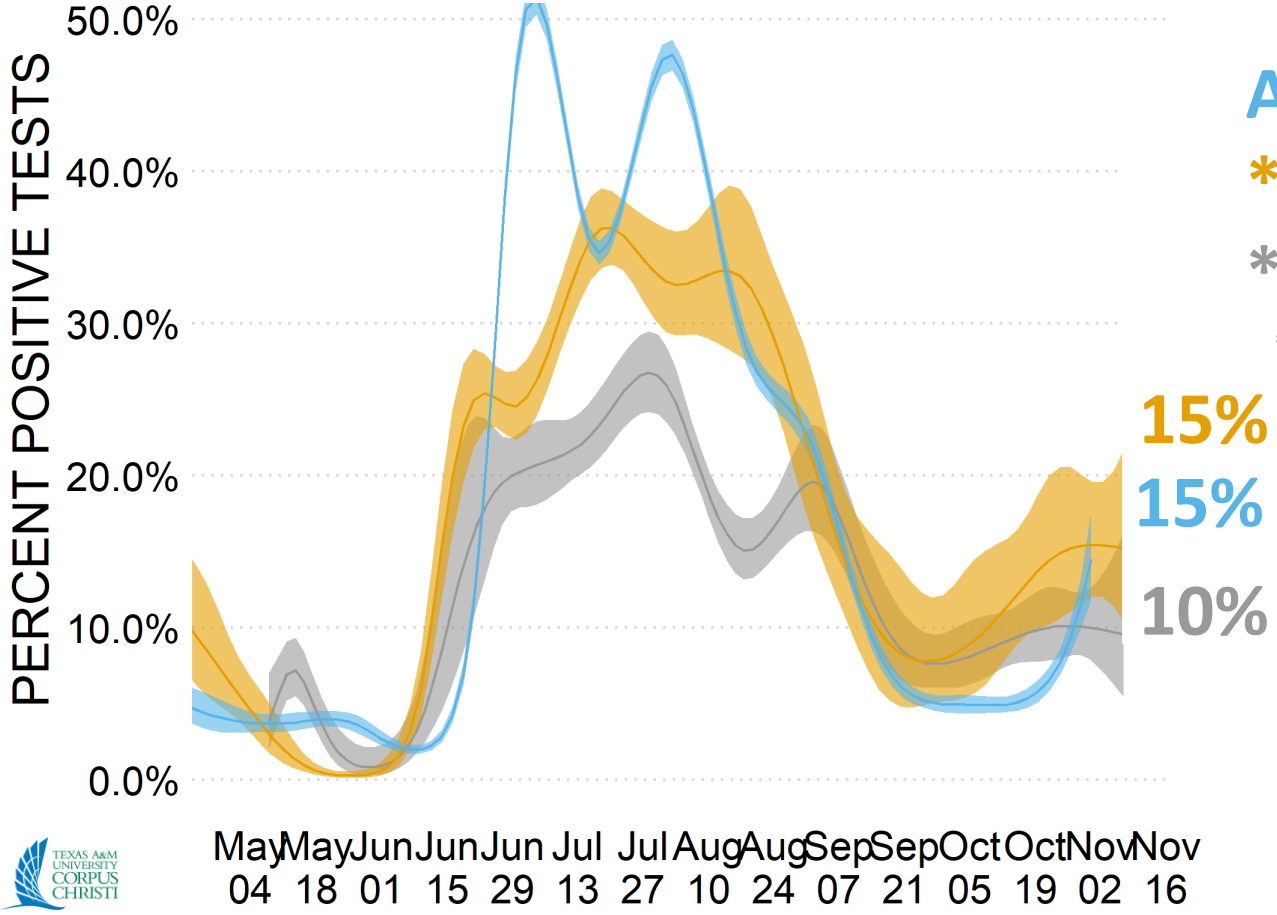
# PERCENT POSITIVE TESTS INCREASING




All Nueces Testing

*Local PHD

*Mobile Testing

*All Negative Results Known, Included

15%

15%

10%

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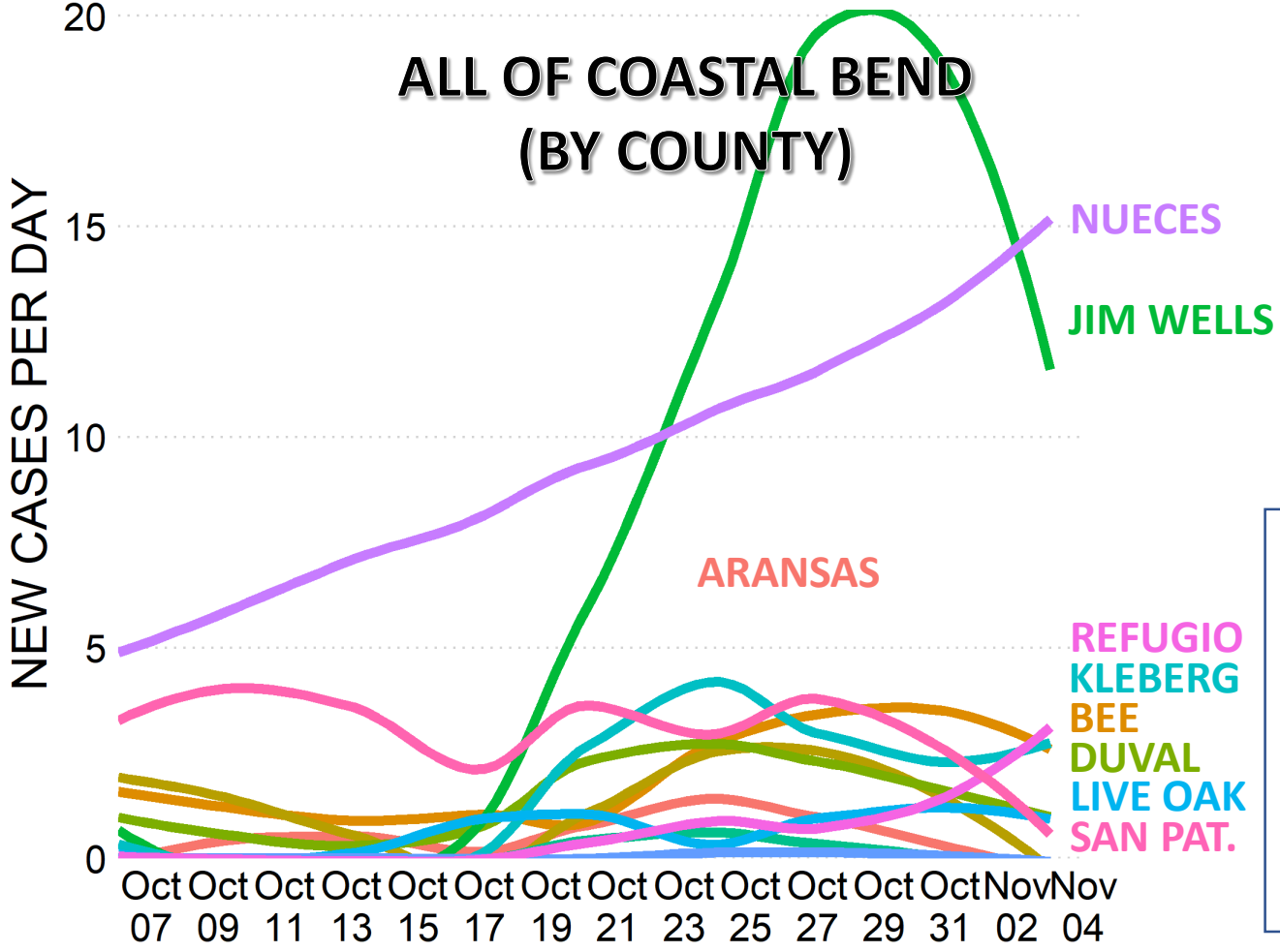
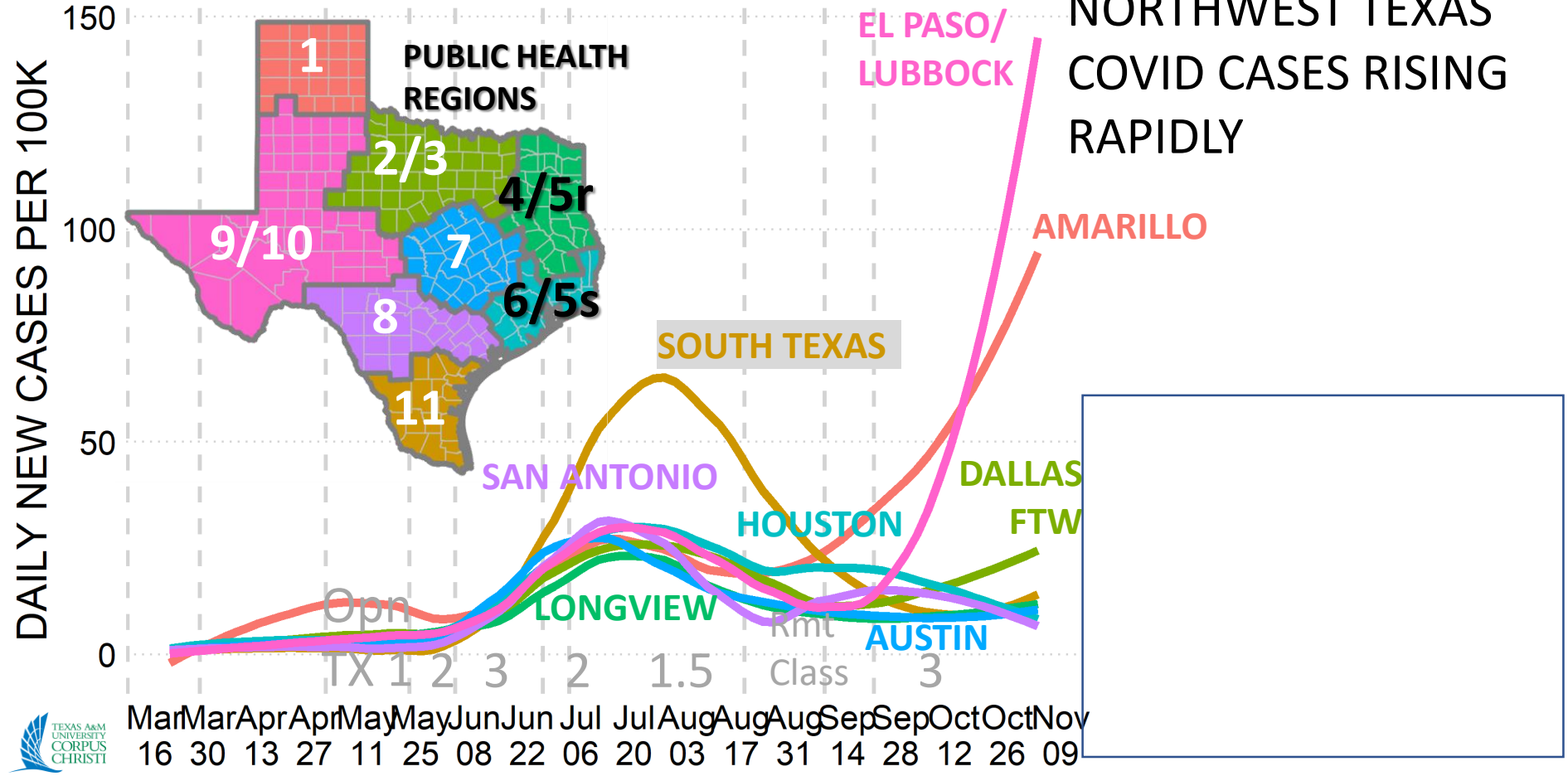
# NEW COVID-19 CASES PER DAY




CASES INCREASING ACROSS MUCH OF COASTAL BEND

# NEW COVID-19 CASES

PER CAPITA




NORTHWEST TEXAS COVID CASES RISING RAPIDLY

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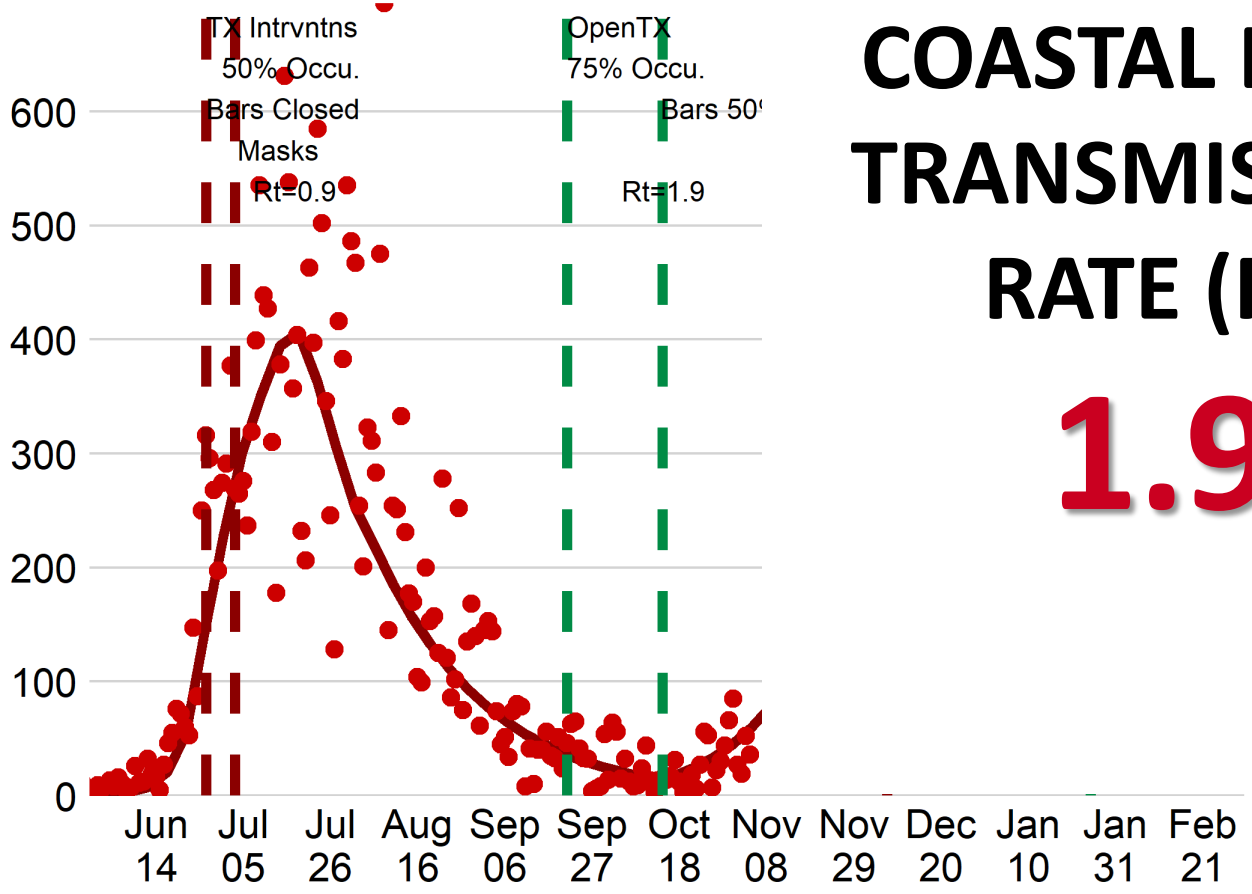
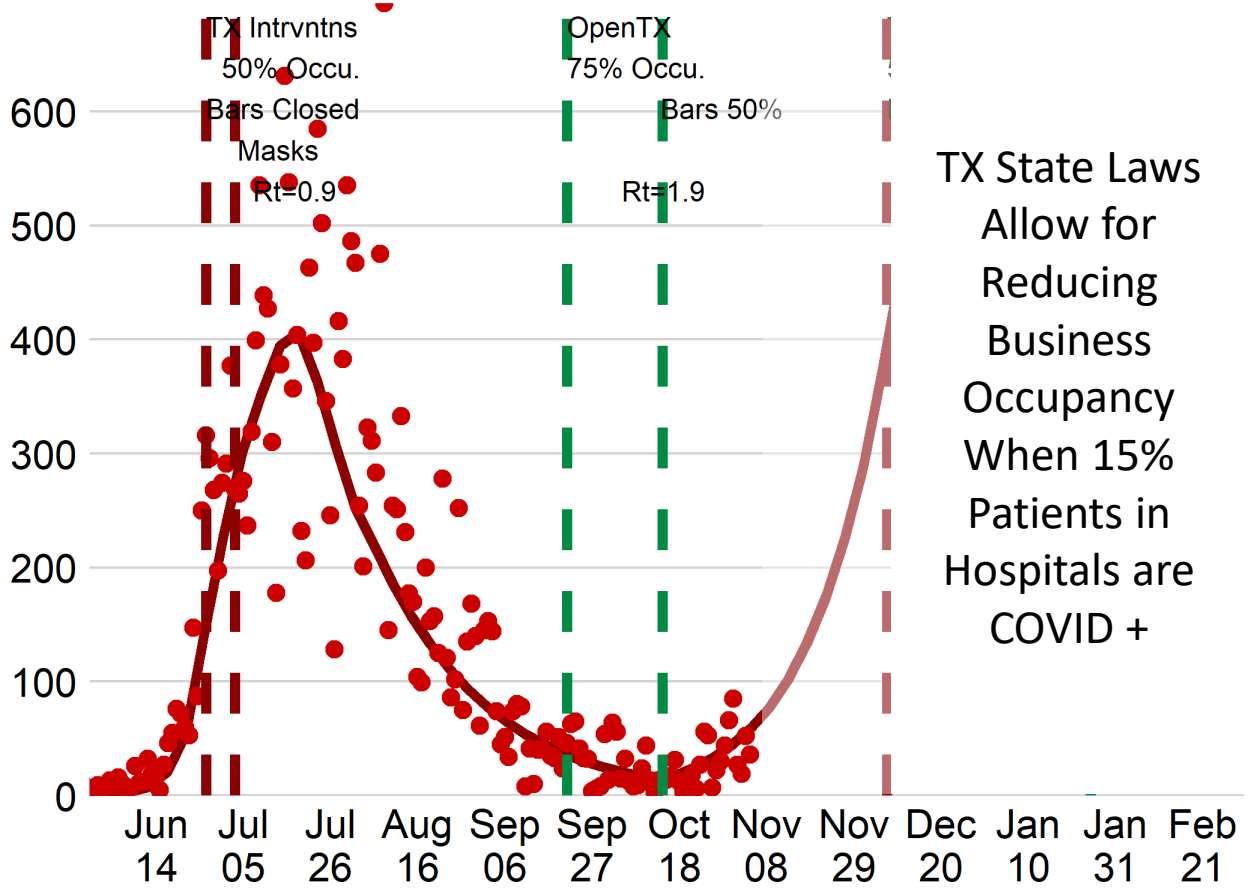
# MODELING DAILY COVID CASES IN COASTAL BEND




## COASTAL BEND TRANSMISSION RATE ($R_t$)

**1.9**

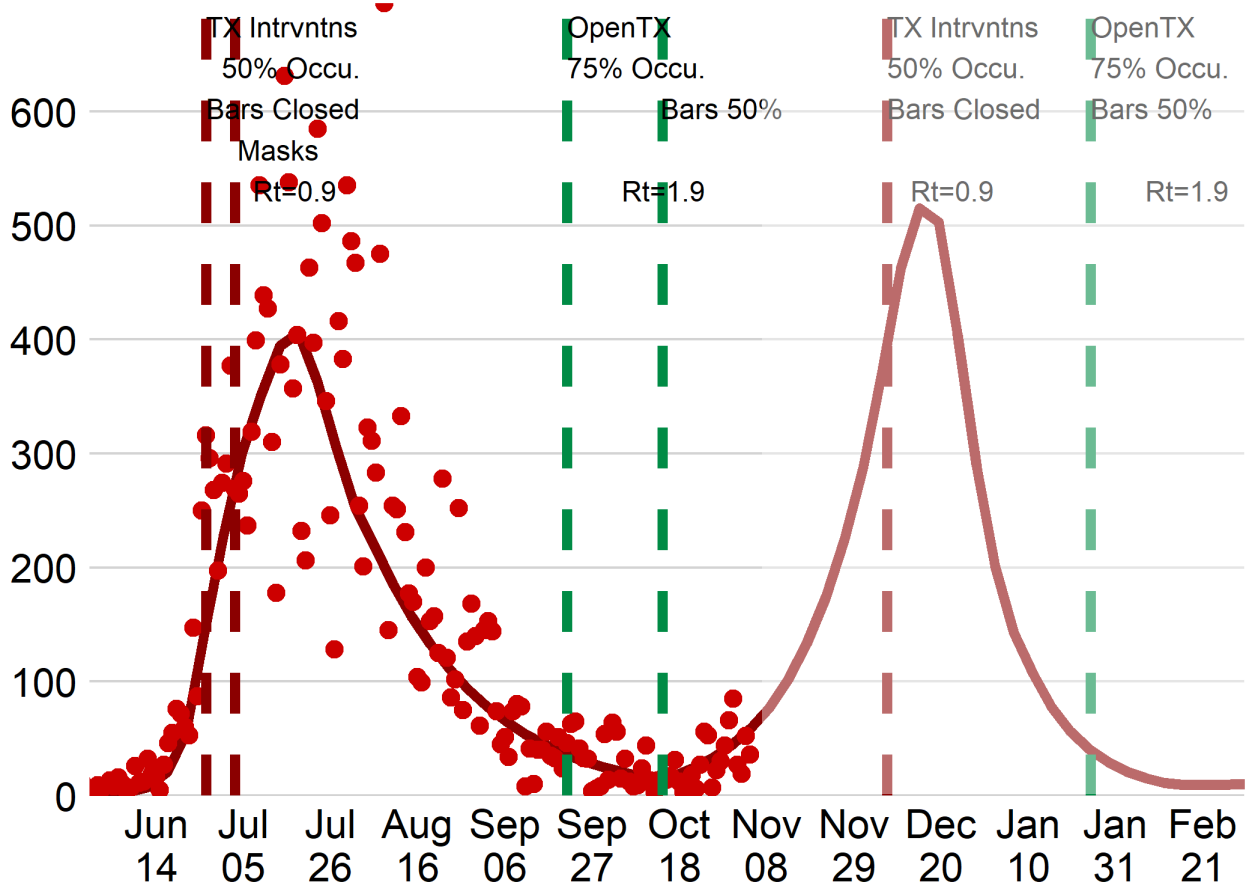
# PROJECTED DAILY COVID CASES IN COASTAL BEND




TX State Laws Allow for Reducing Business Occupancy When 15% Patients in Hospitals are COVID +

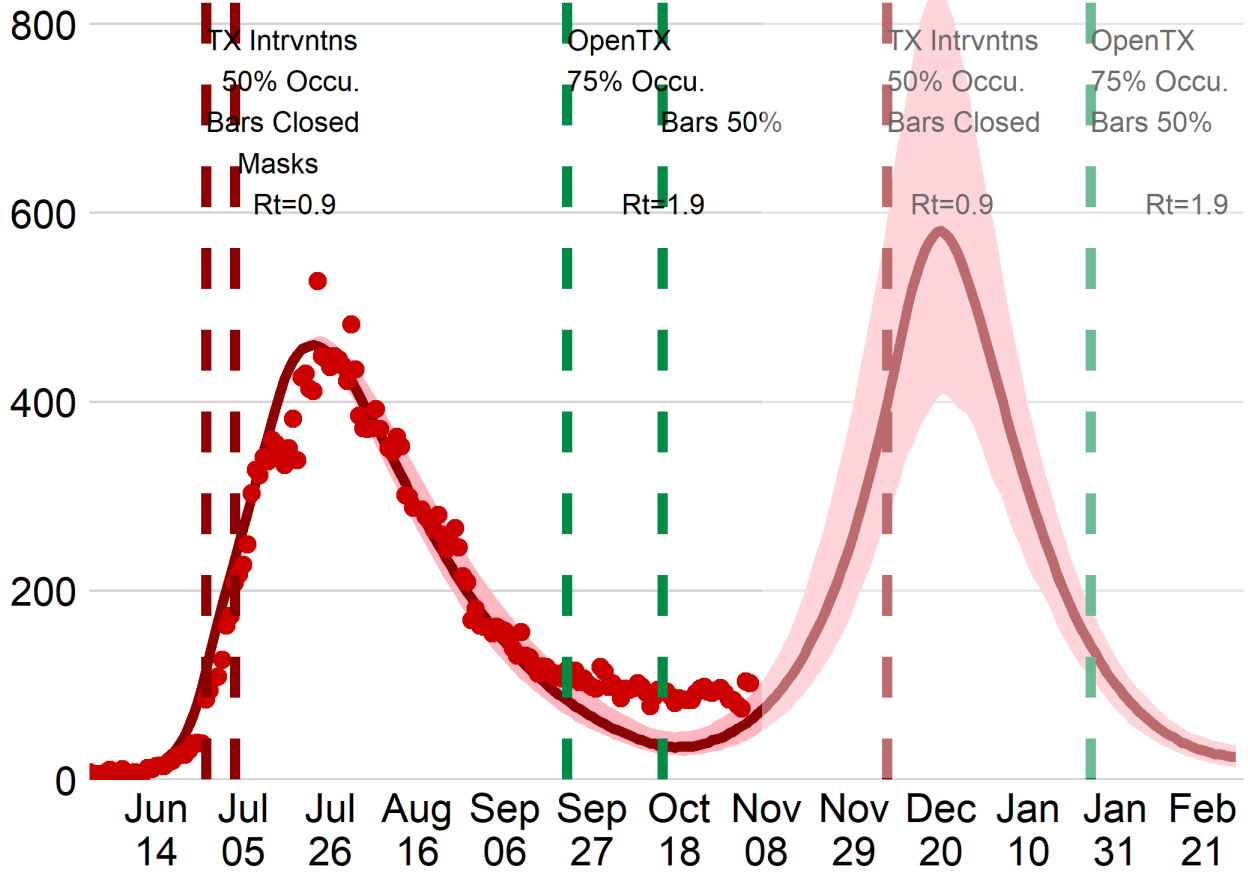
If Rt = 1.9, Interventions Begin Dec 7

# PROJECTED DAILY COVID CASES IN COASTAL BEND



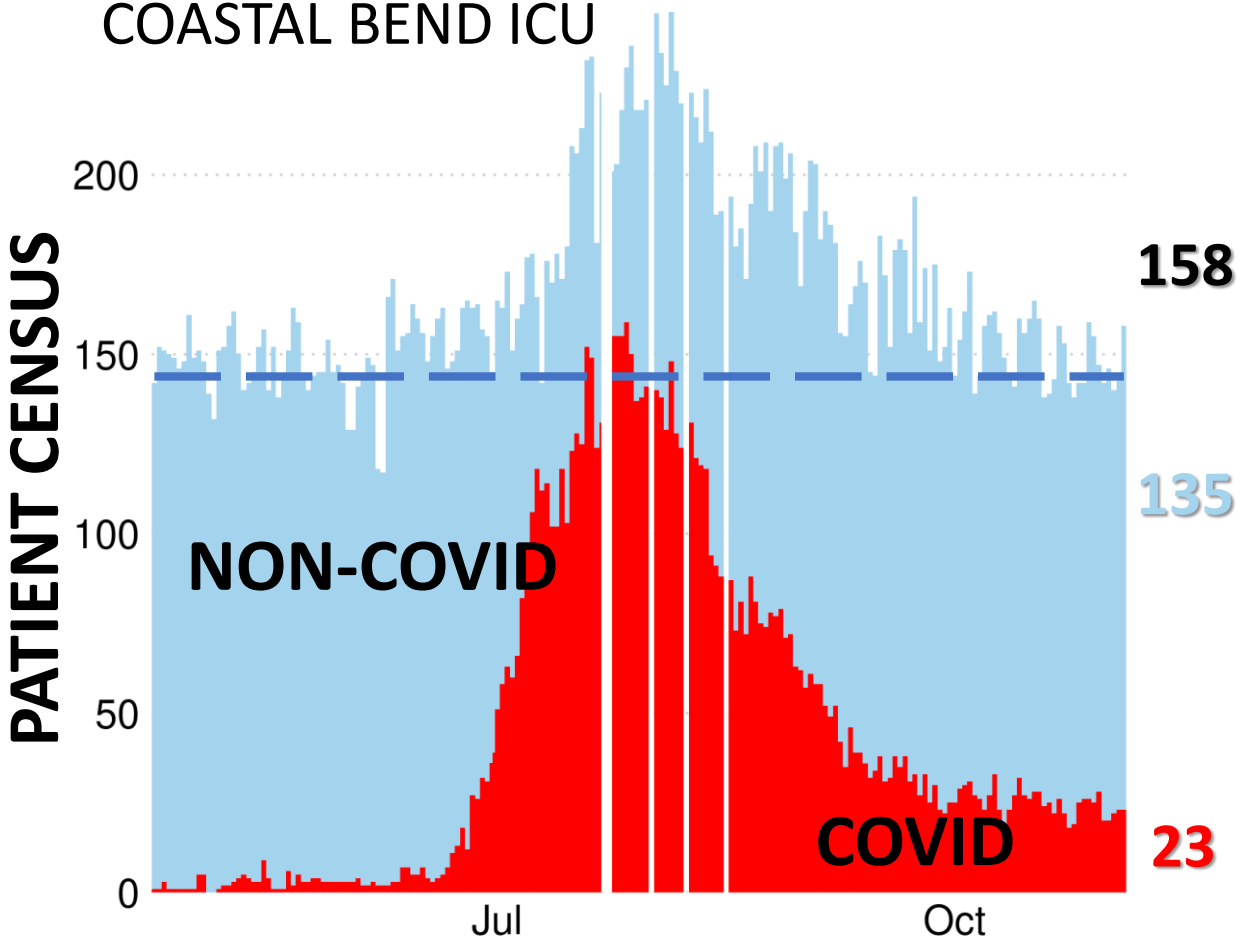

If Rt = 1.9, Peak Cases Predicted on Dec 17

# PROJECTED COVID INPATIENTS IN COASTAL BEND



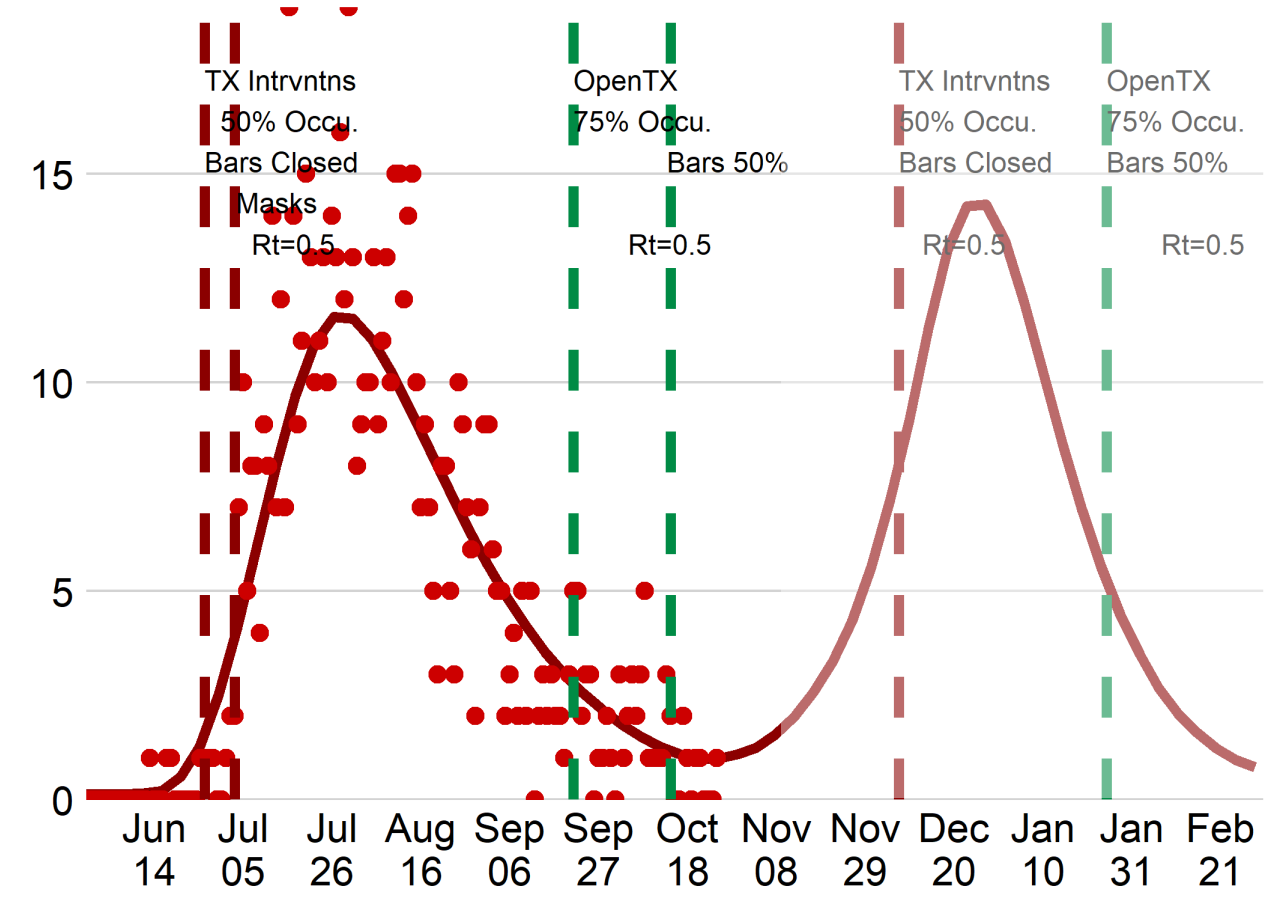

Census Inpatient Peak Predicted Dec 21

# ICU STILL OVER NORMAL CAP



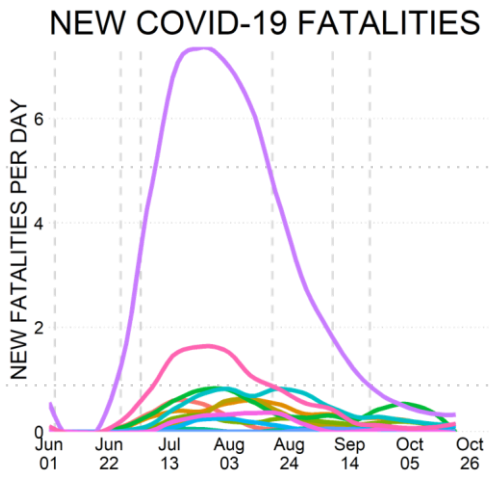

ICU COVID PATIENTS LEVEL, MORE THAN BEFORE SUMMER OUTBREAK

# PROJECTED DAILY COVID FATALITIES IN COASTAL BEND




## Daily Fatality Peak Predicted Dec 27

# COASTAL BEND COVID-19 FATALITIES




**730* CB**

* Death certificates from past 14 days still being processed

JIM WELLS FATALITIES DECREASING

TOTAL

0
200
400
600

Mar 23
Apr 13
May 04
May 25
Jun 15
Jul 06
Jul 27
Aug 17
Sep 07
Sep 28
Oct 19
Nov 09

**Reporting by Date on Death Certificate**

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# SUMMARY

- Transmission rate is estimated to be **1.9**
  - **Fall Outbreak Predicted**
- New cases increasing locally, predicted to rise more
- Hospitalizations level, predicted to begin rising
- Fatalities leveling off, predicted to begin rising
- As occupancies rise & weather cools, face coverings + social distancing become increasingly important tools to combat COVID outbreak

# TEXAS COASTAL BEND COVID-19 PANDEMIC REPORT

**November 05, 2020**

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