



TEXAS COASTAL BEND COVID-19 PANDEMIC REPORT

November 10, 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



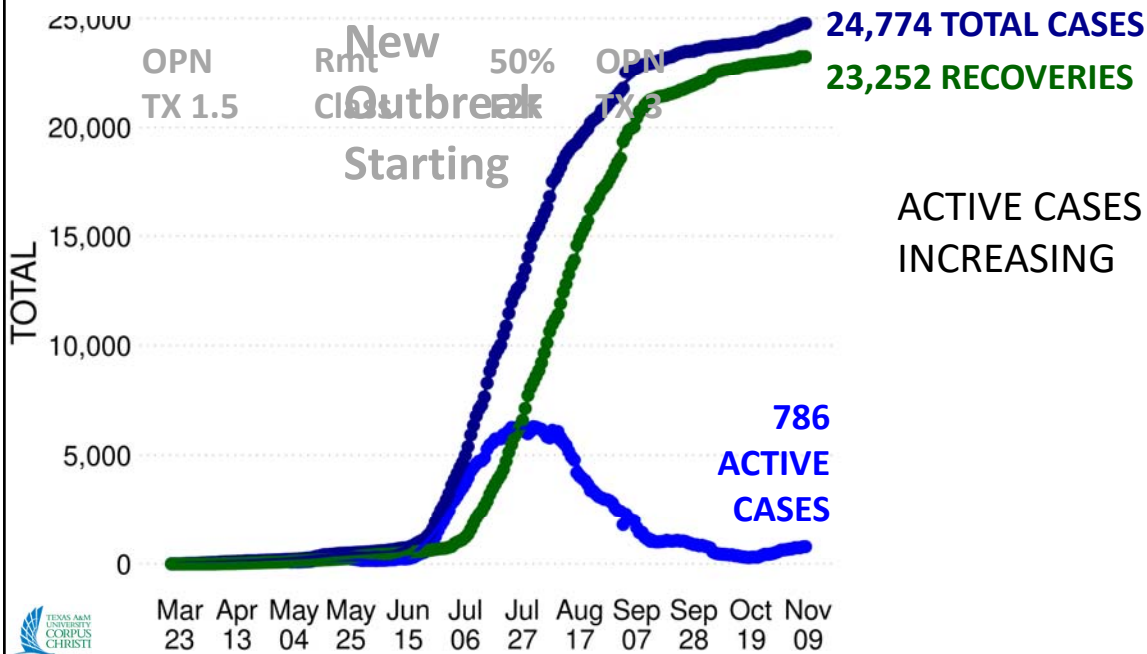
INTERVENTIONS & OPENING TX

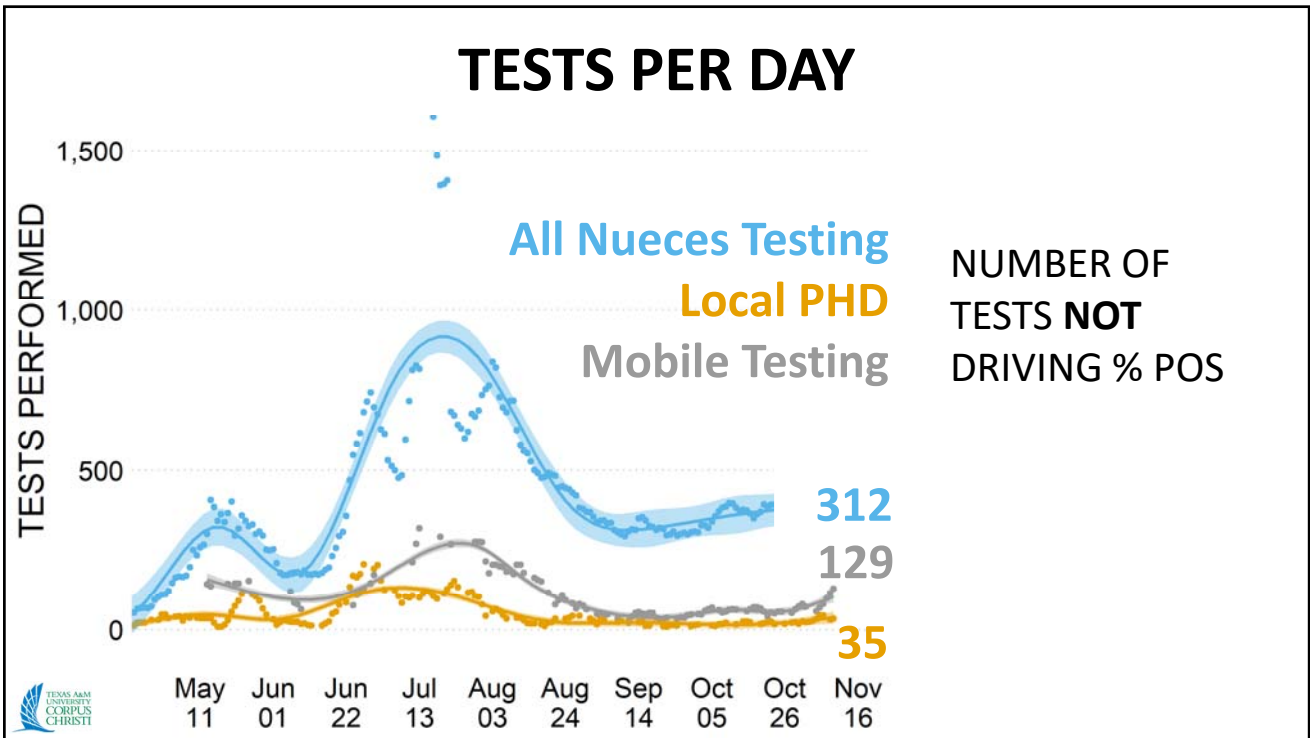
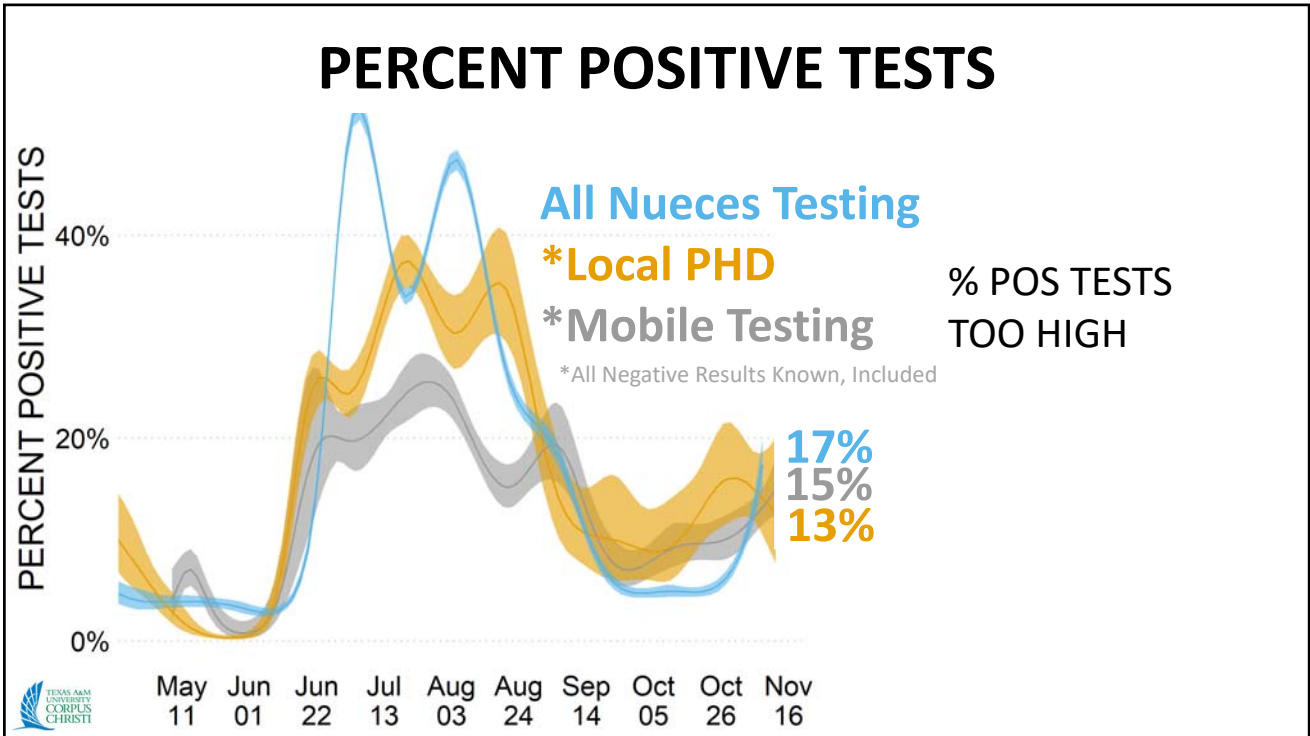
1. STAY-AT-HOME IF YOU CAN
2. SOCIAL DISTANCING & FACE COVERINGS
3. SELF ISOLATE WHEN SYMPTOMATIC
4. SCHOOL RESTRICTIONS
5. OPEN TX 3 (Businesses 75%, Bars 50%)

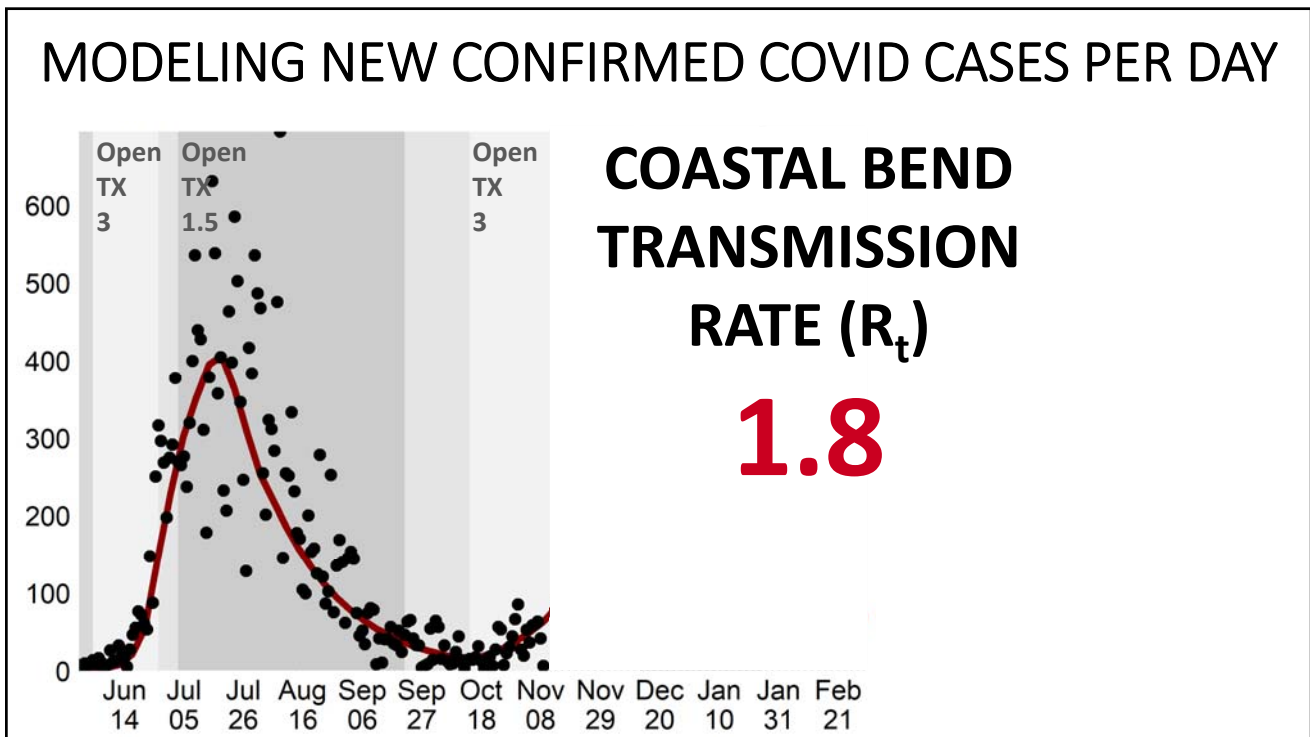
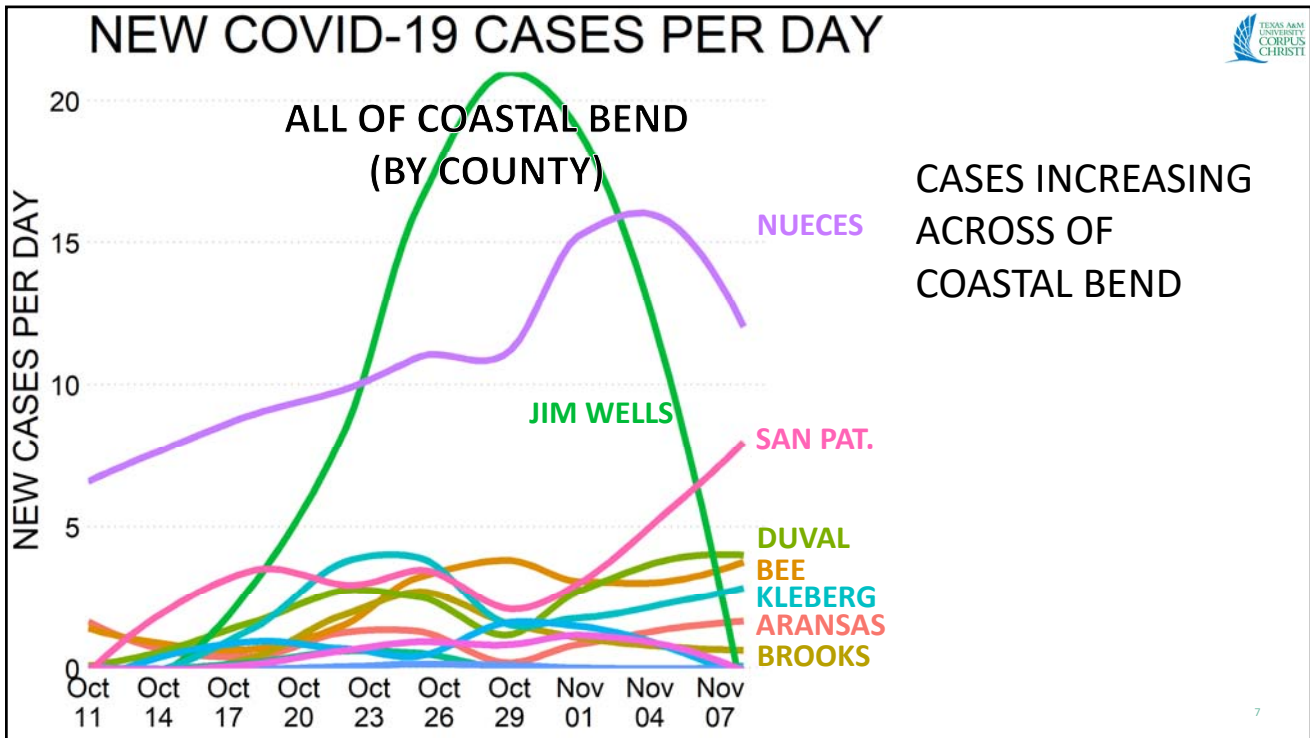


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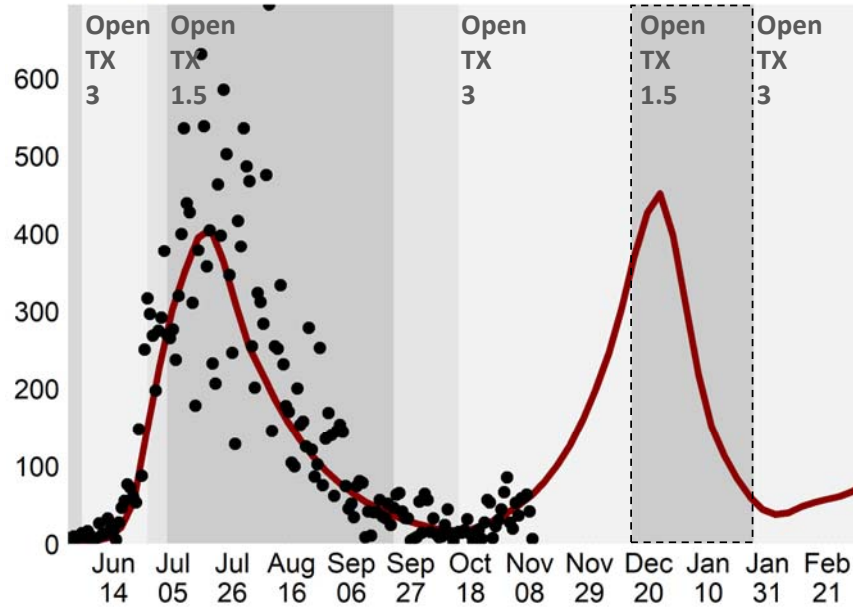
COASTAL BEND "COVID CONFIRMED" CASES





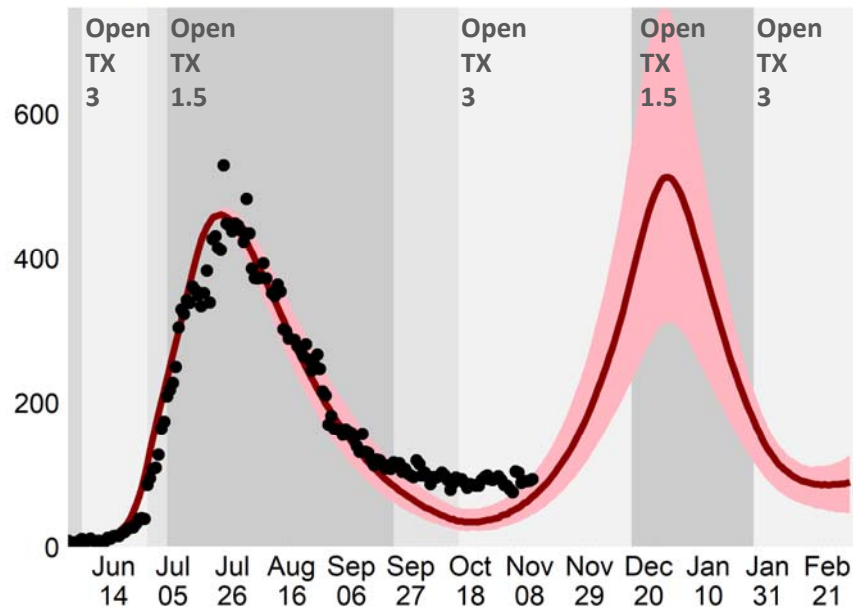


NEW COVID CASES PER DAY IN COASTAL BEND

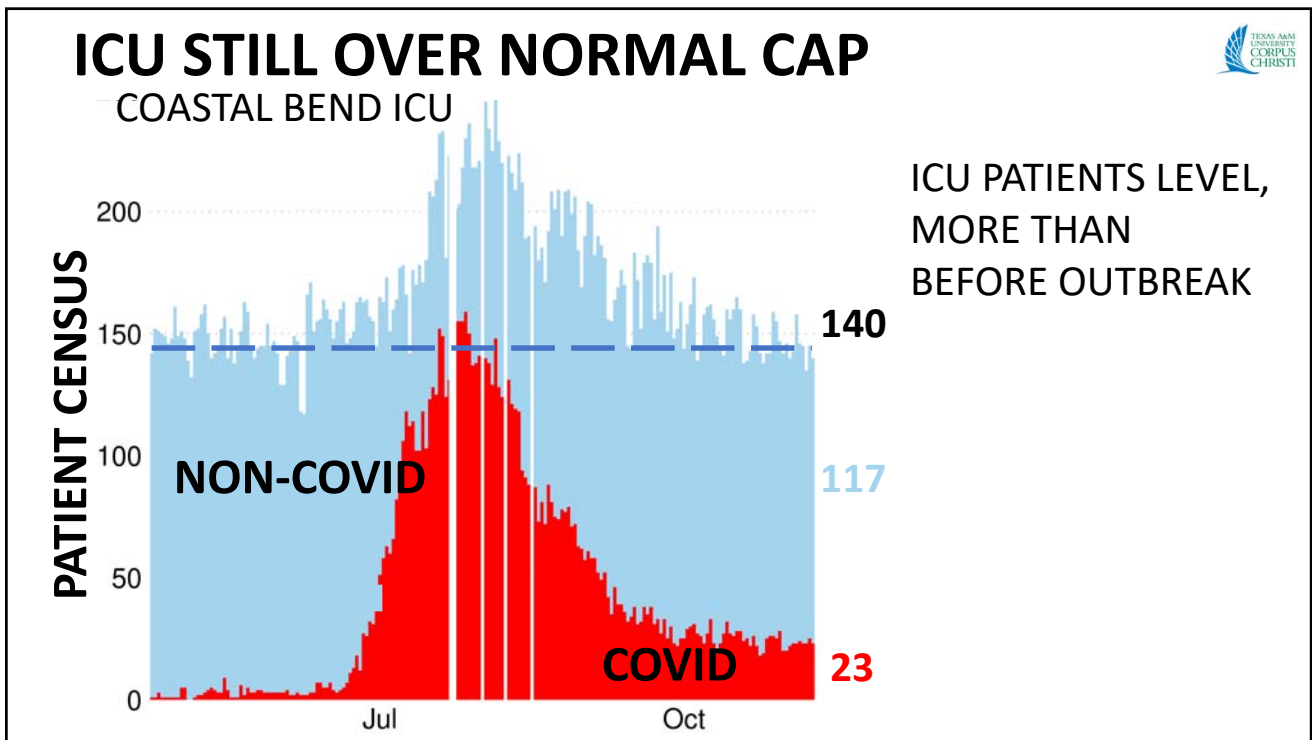
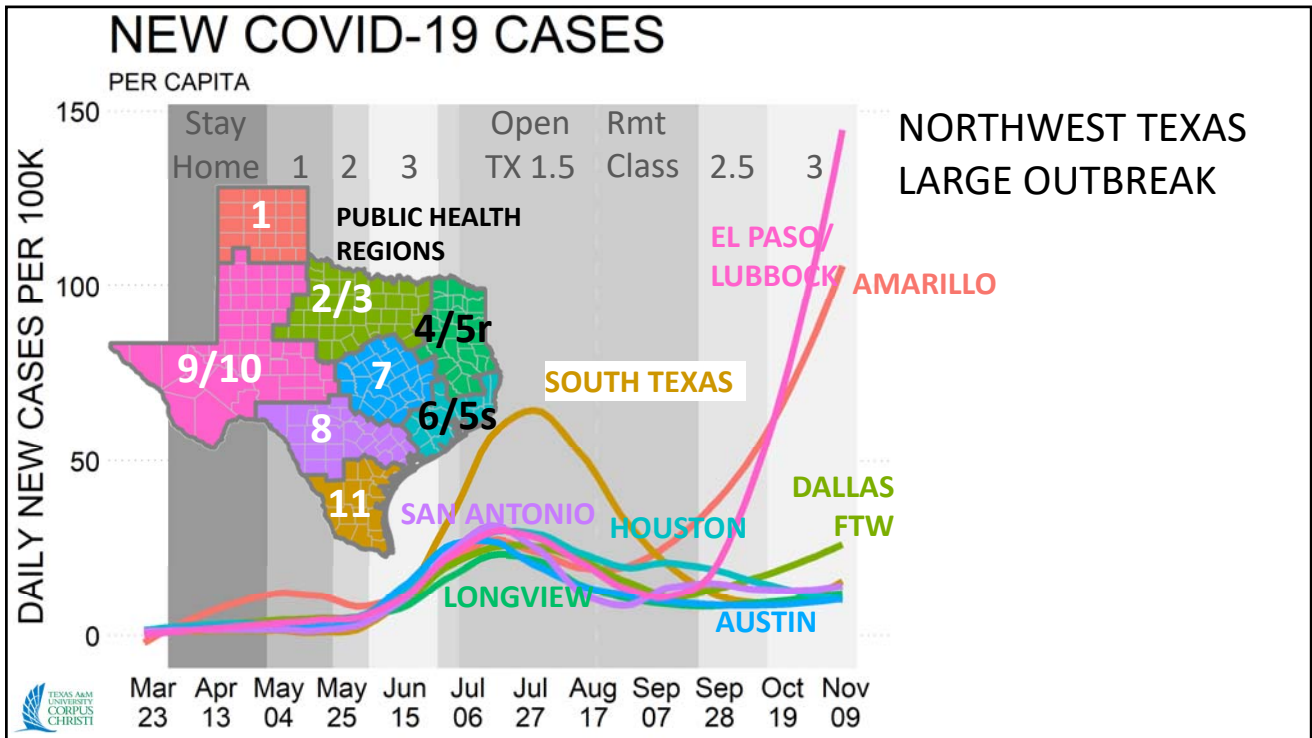


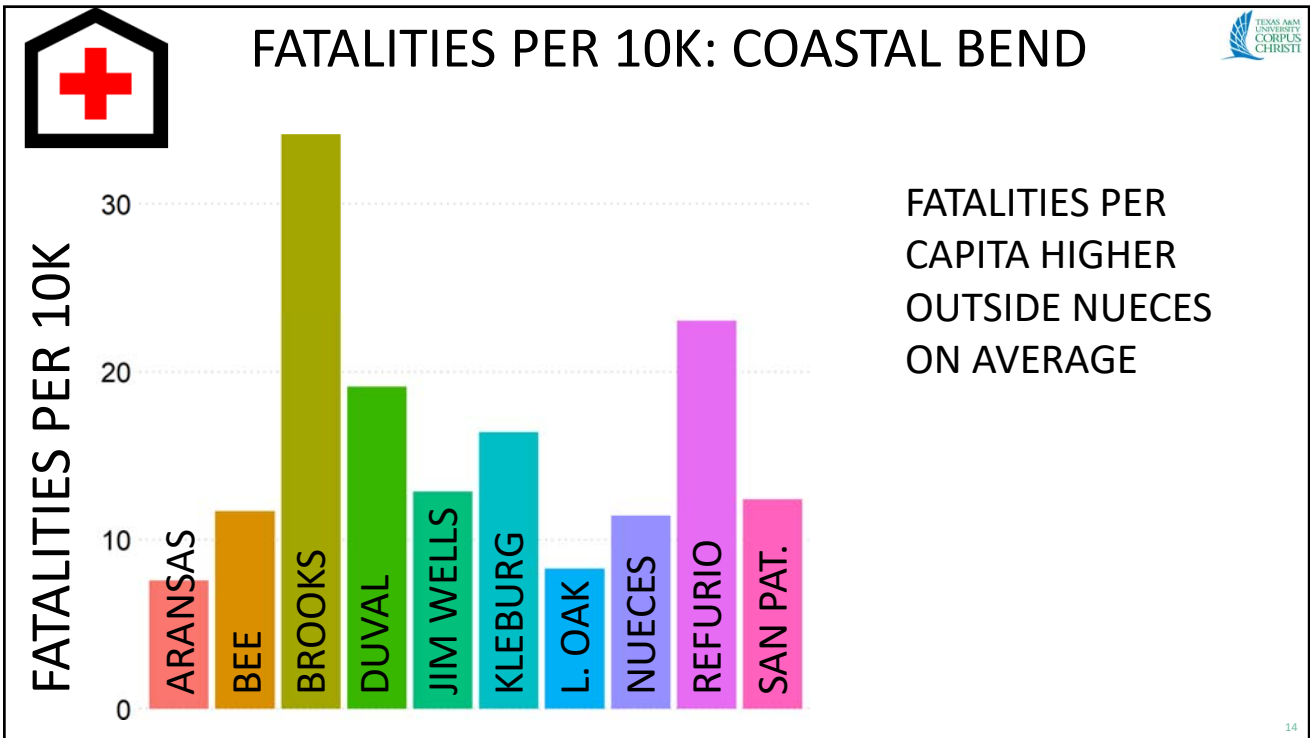
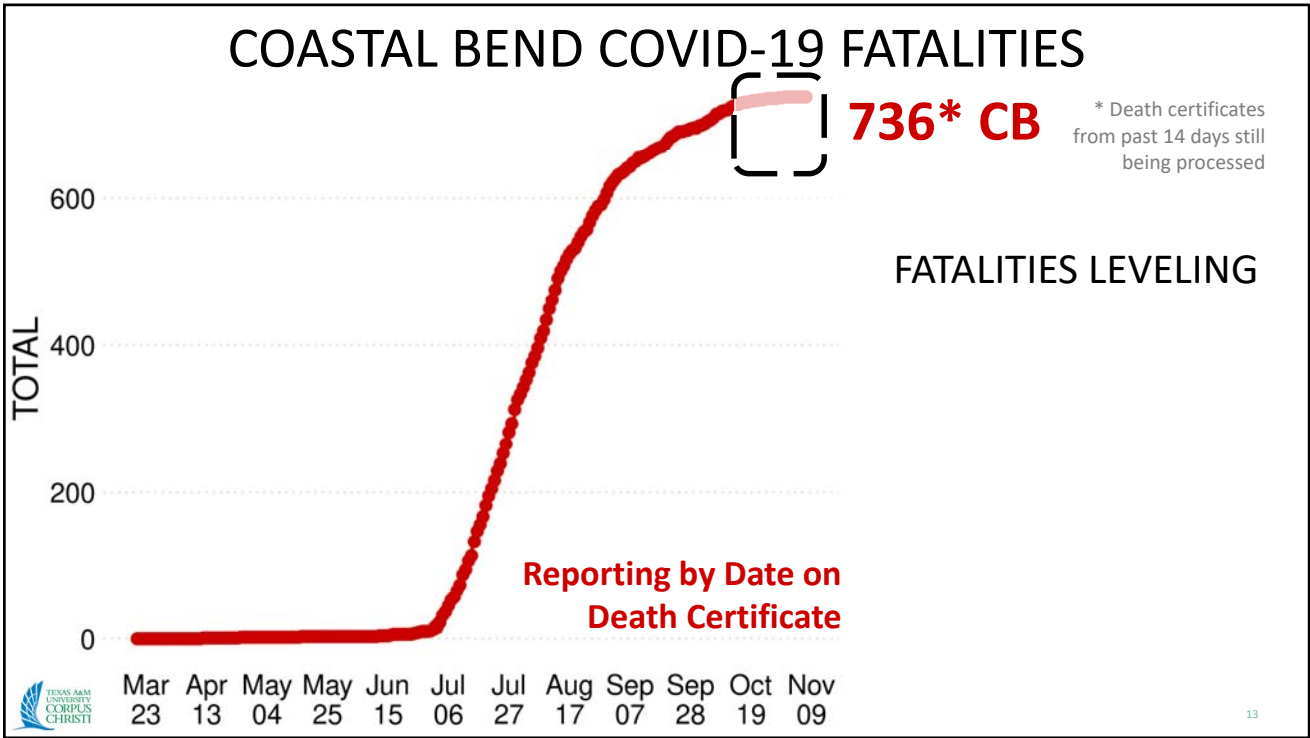
IF $R_t = 1.8$,
 OPEN TX 3 to 1.5
 ROLL BACK
 PREDICTED
 12/14 – 1/25

PROJECTED COVID INPATIENTS IN COASTAL BEND



IF $R_t = 1.8$,
 PEAK PREDICTED
 12/27





CELL PHONES CAN BE USED TO ASSESS OUR BEHAVIORS, EVALUATE INTERVENTIONS



Foot Traffic

Leaving Home

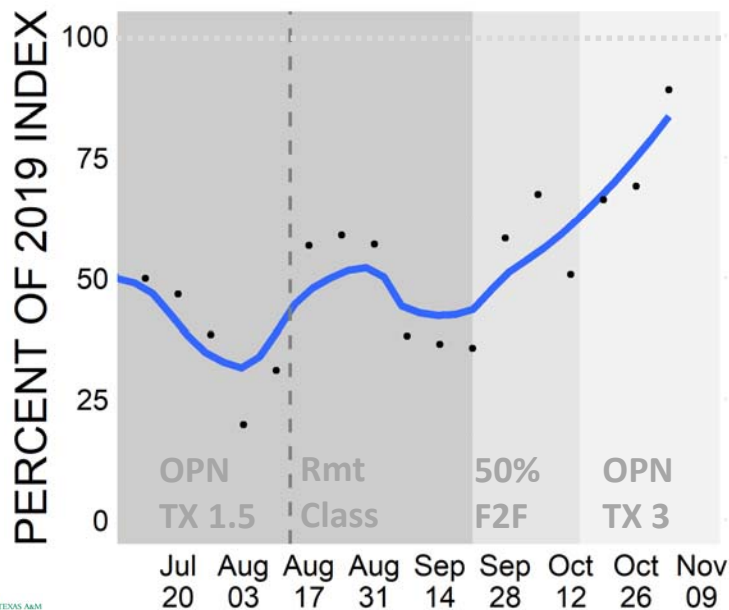
Potential Encounters



In the Dark Knight, Batman Used Cell Phone Data To Locate the Joker

15

FOOT TRAFFIC AT HIGH SCHOOL SPORTS FIELDS



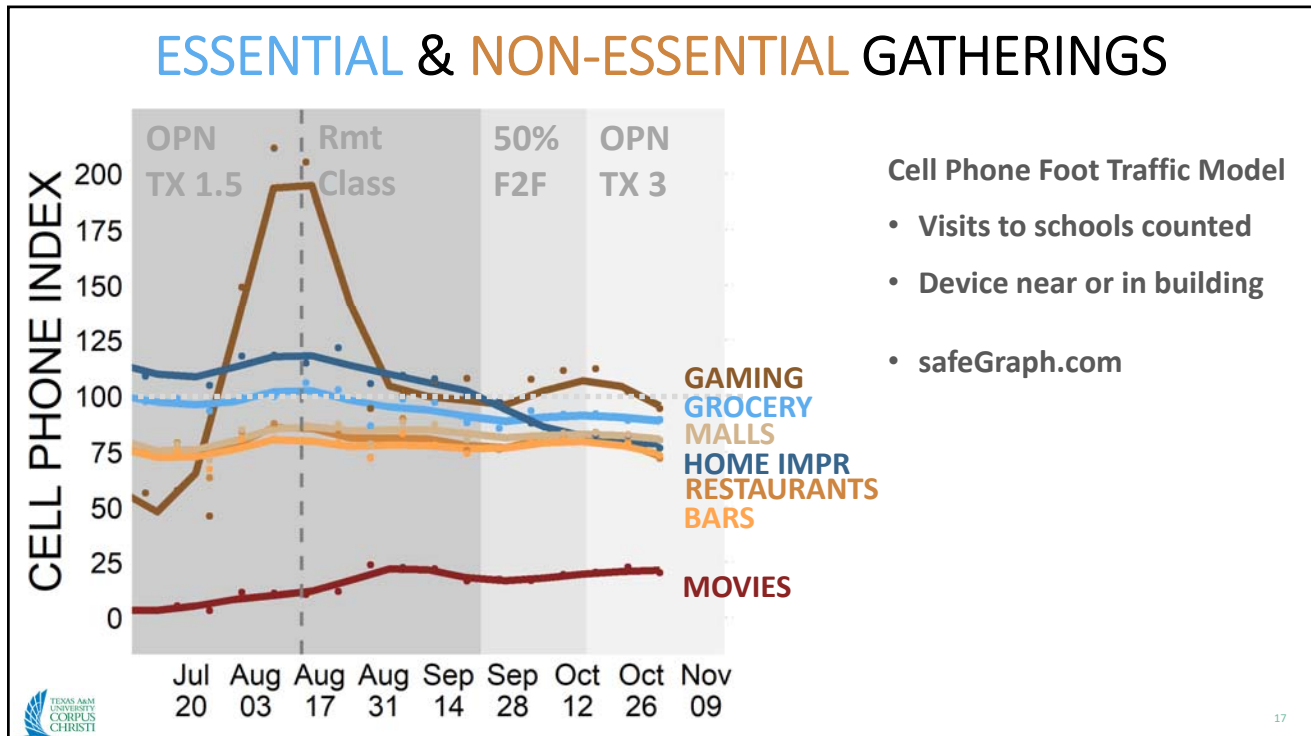
Cell Phone Foot Traffic Model

- Visits to schools counted
- Device near or in building
- safeGraph.com



CC TAMU-CC COVID-19 Modeling Taskforce: 10 November
Source: Unacast.com

16



SUMMARY



- Transmission rate (1.8), **large outbreak predicted**
- New cases increasing locally
 - triple digits for 1st time in 70+ days
- Hospitalizations predicted to begin increasing
- More fatalities per capita outside Nueces
- What can you do?
 - Face coverings + social distancing
 - Take out & curbside
 - Avoid gatherings indoors

18



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