

Texas Border Health Epidemiology and Data Overview

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Border
Public Health

Objective

- Review results of border data needs survey
- Review Texas border data outlined by Healthy Borders 2020 and survey results:
 1. Social Determinants of Health
 2. Communicable Diseases
 3. Chronic Diseases
 4. Mental Health and Behavioral
 5. Maternal & Child Health
 6. Injury

Survey Results

- Top concerns included mental health, chronic diseases, nutrition, and other social determinants of health
- Data needs included:
 - Real-time data!
 - Social Determinants of Health
 - Drug-use deaths and hospitalizations
 - Environmental data



Social Determinants of Health



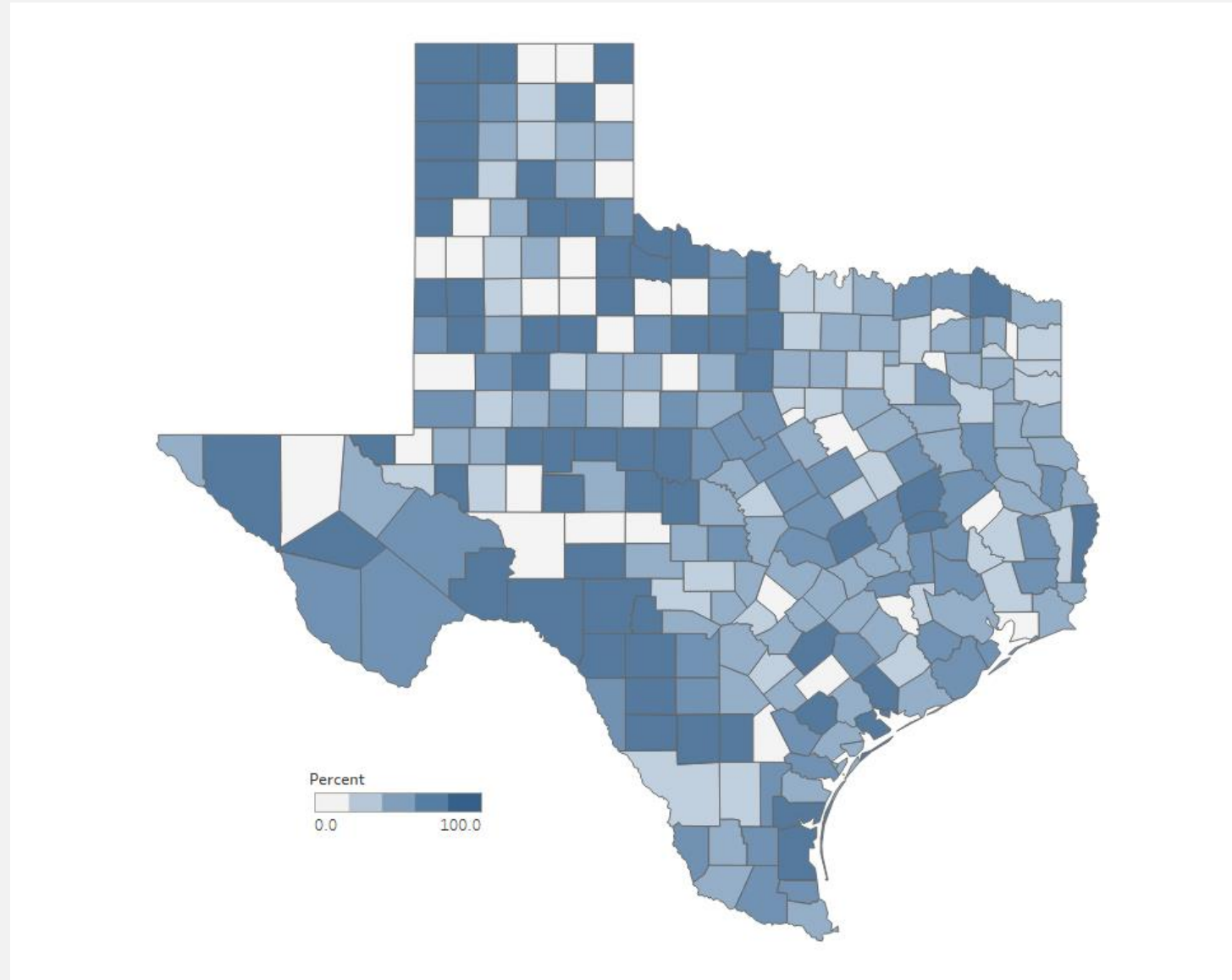
Selected Demographics

Proportion of Total Population

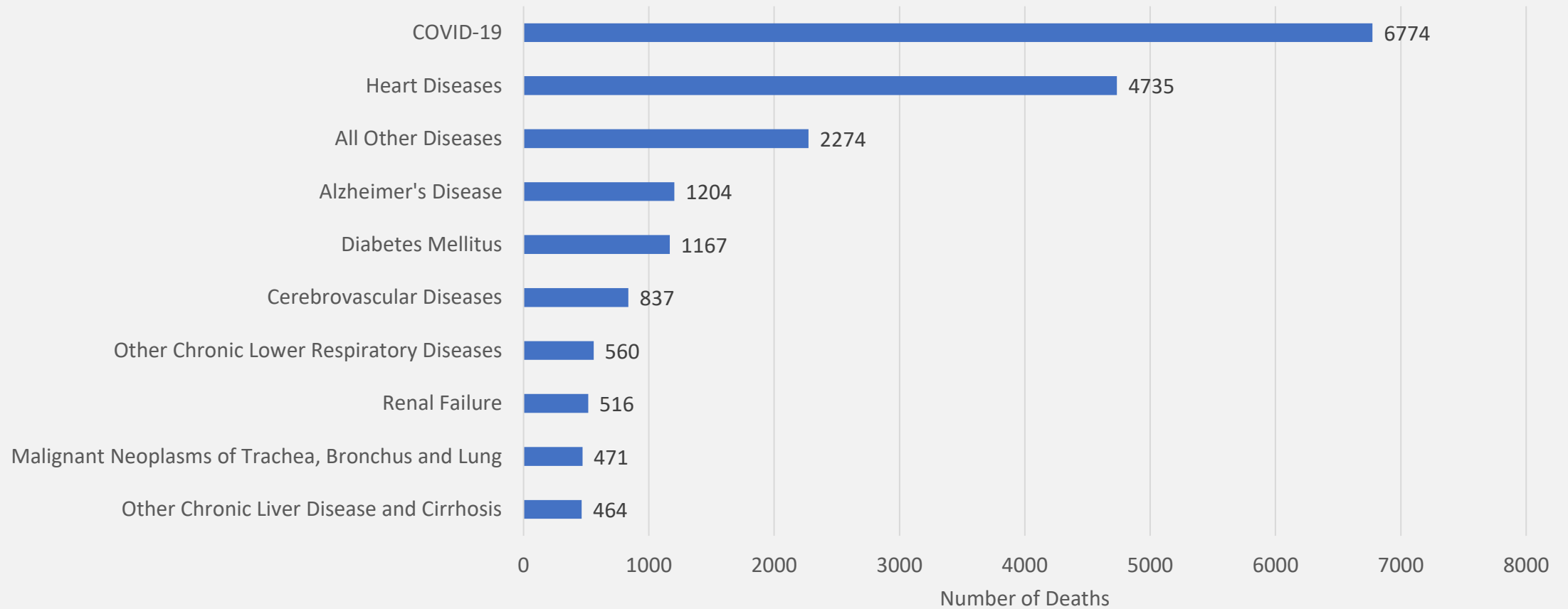
	Border	Non-Border
Population under 18 years old	29%	25%
Hispanic	89%	35%
Foreign-Born	24%	16%
Living in Poverty	24%	13%
At Least a High School Diploma	73%	86%
Uninsured	27%	12%
English Spoken Less than Well	28%	12%



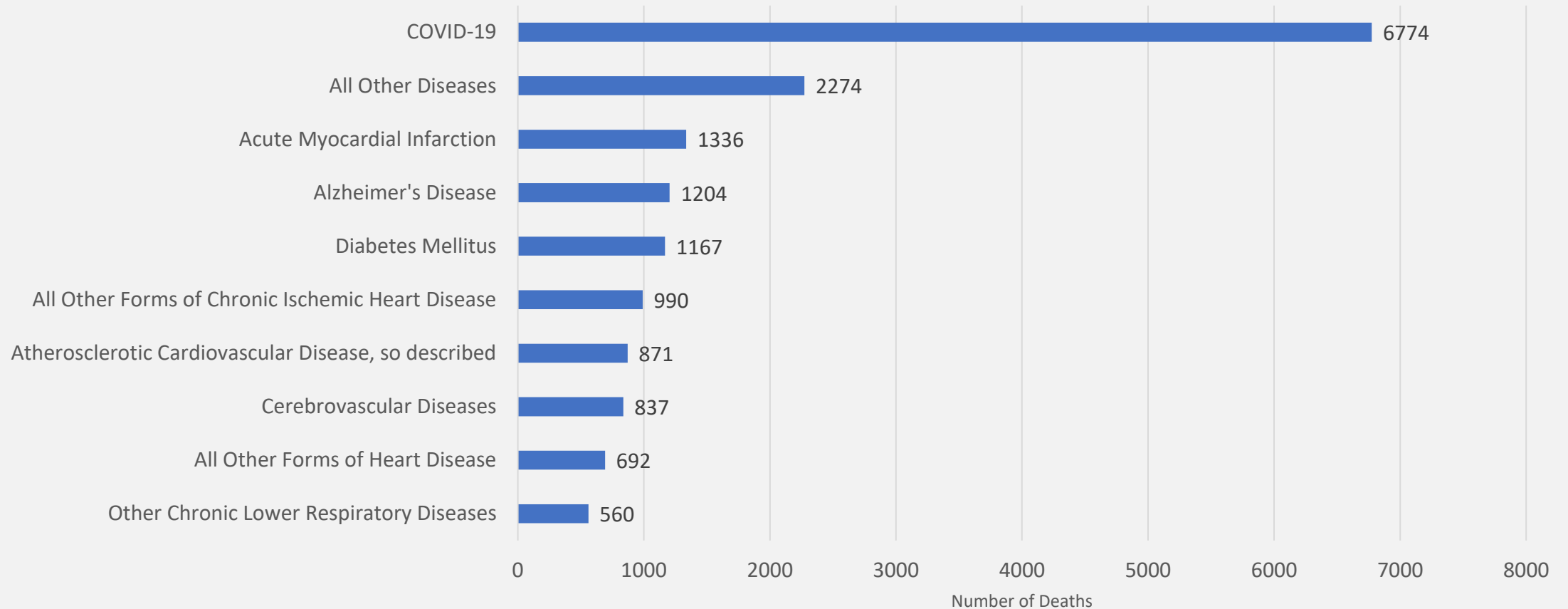
Low Access to Healthy Food by County, 2019



Top 10 Leading Causes of Death Among Texans, Border, 2020, Combined Heart Disease



Top 10 Leading Causes of Death Among Texans, Border, 2020, Expanded Heart Disease



Communicable Diseases



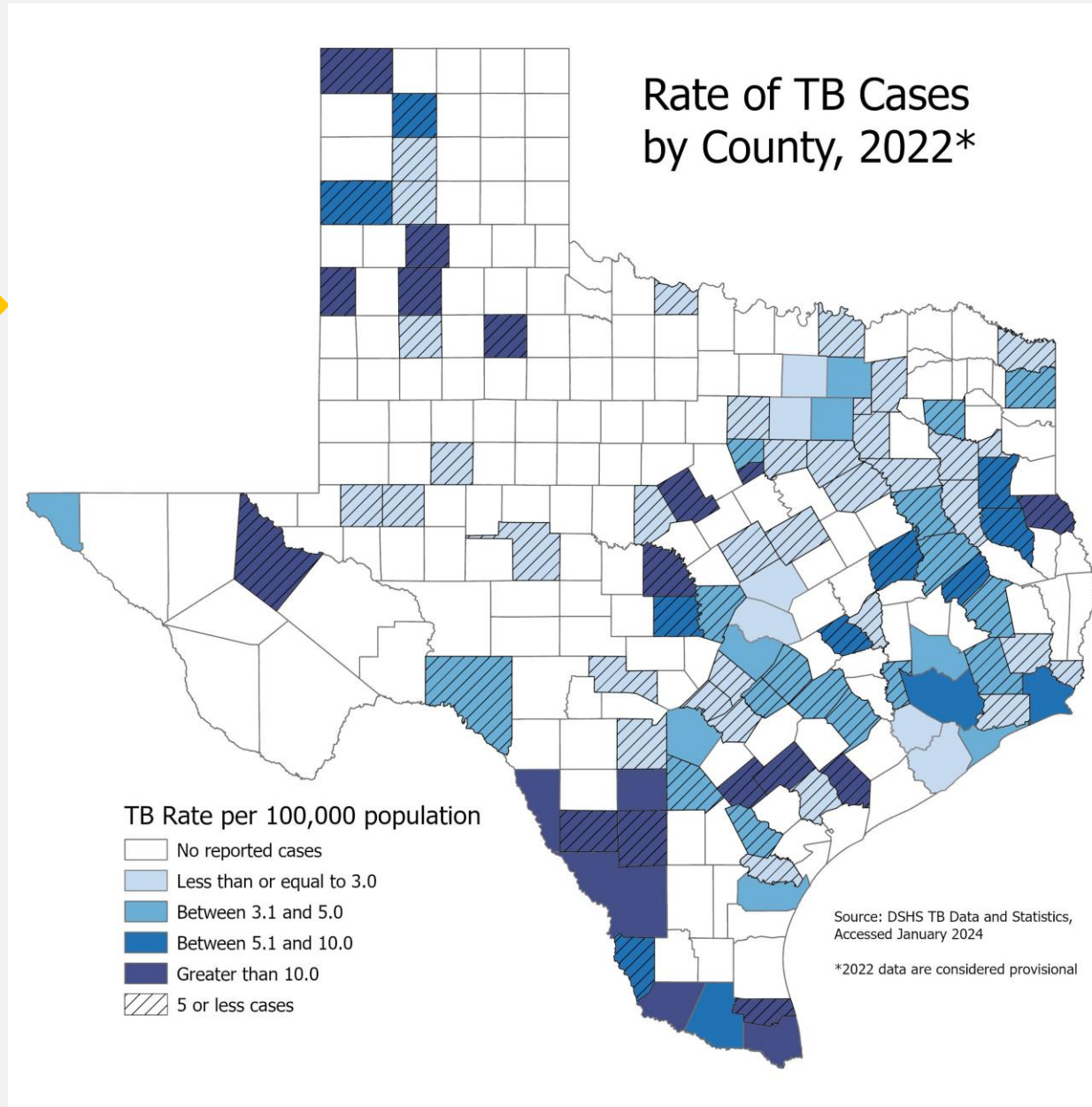
Tuberculosis: Texas Counties with the Most Reported TB Cases, 2022*

County	Reported Cases
Harris County	267
Dallas County	121
Bexar County	62
Tarrant County	52
→ Hidalgo County	49
Travis County	48
→ Cameron County	46
→ Frio County	46
Collin County	35
→ Webb County	32

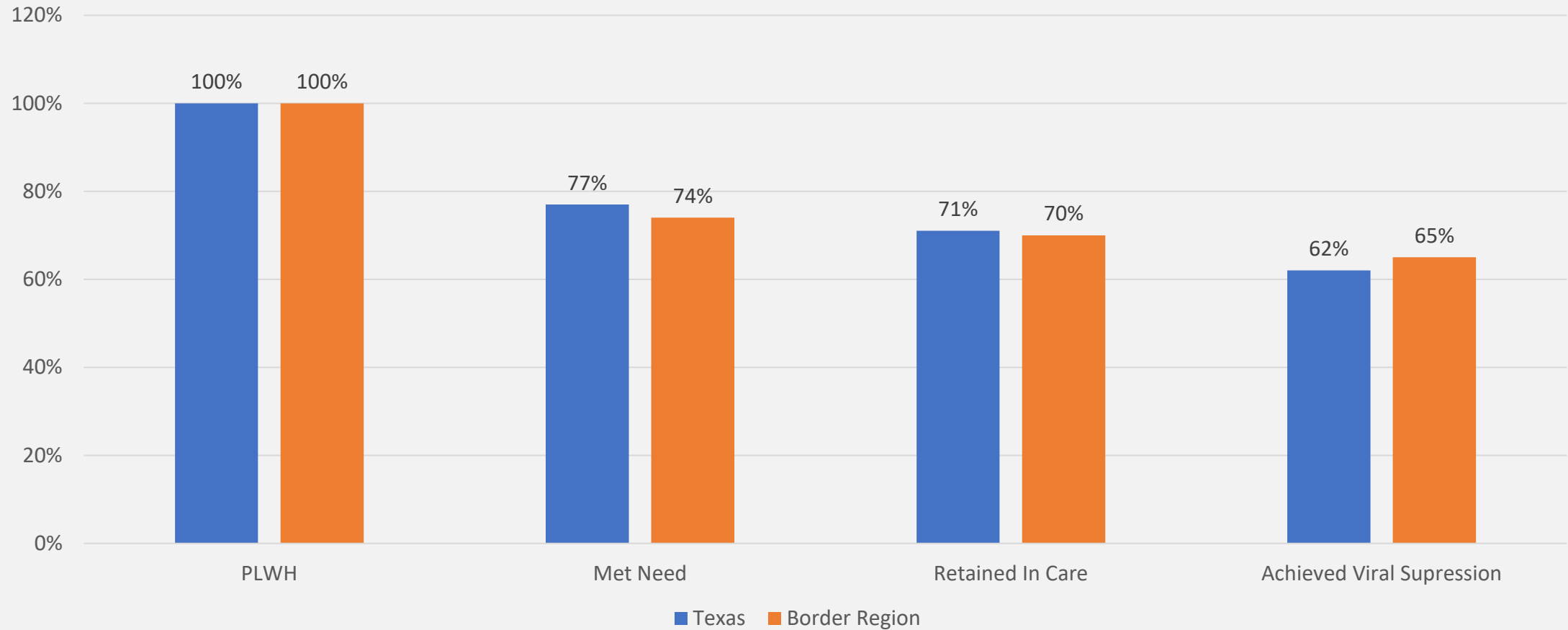
* 2022 data are considered provisional

Tuberculosis: Border v. Non-Border

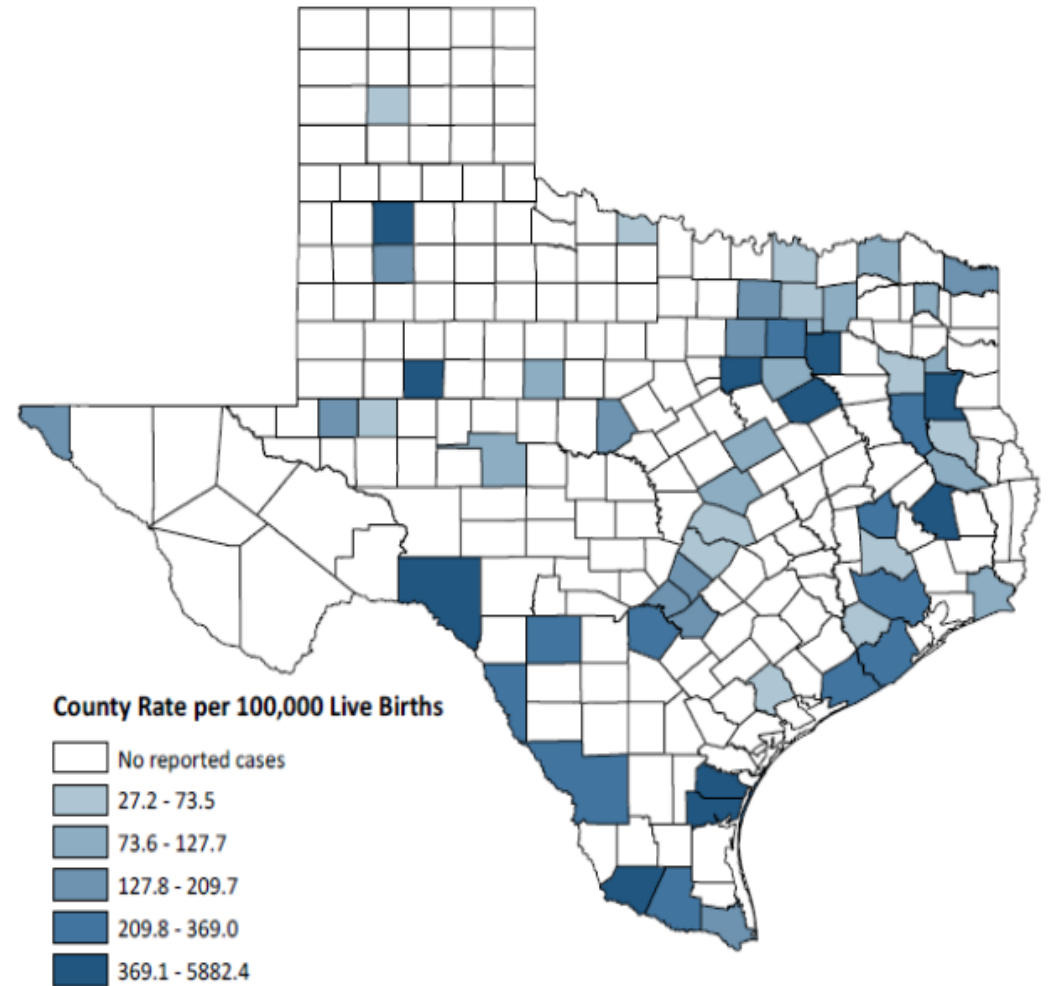
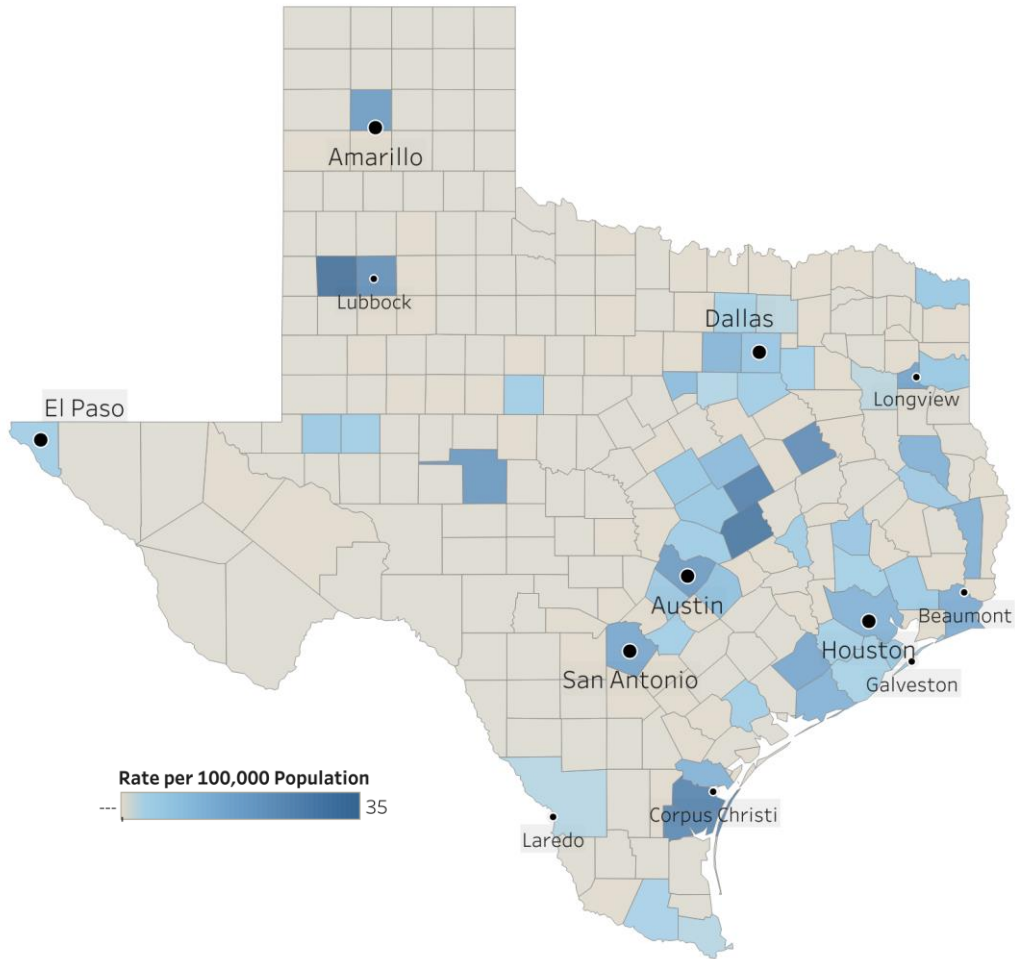
- In 2022, border counties represented 21.2 percent of TB cases in Texas, although only 9.5 percent of the Texas population live in a border county



HIV Treatment Cascade, 2021



Syphilis and Congenital Syphilis

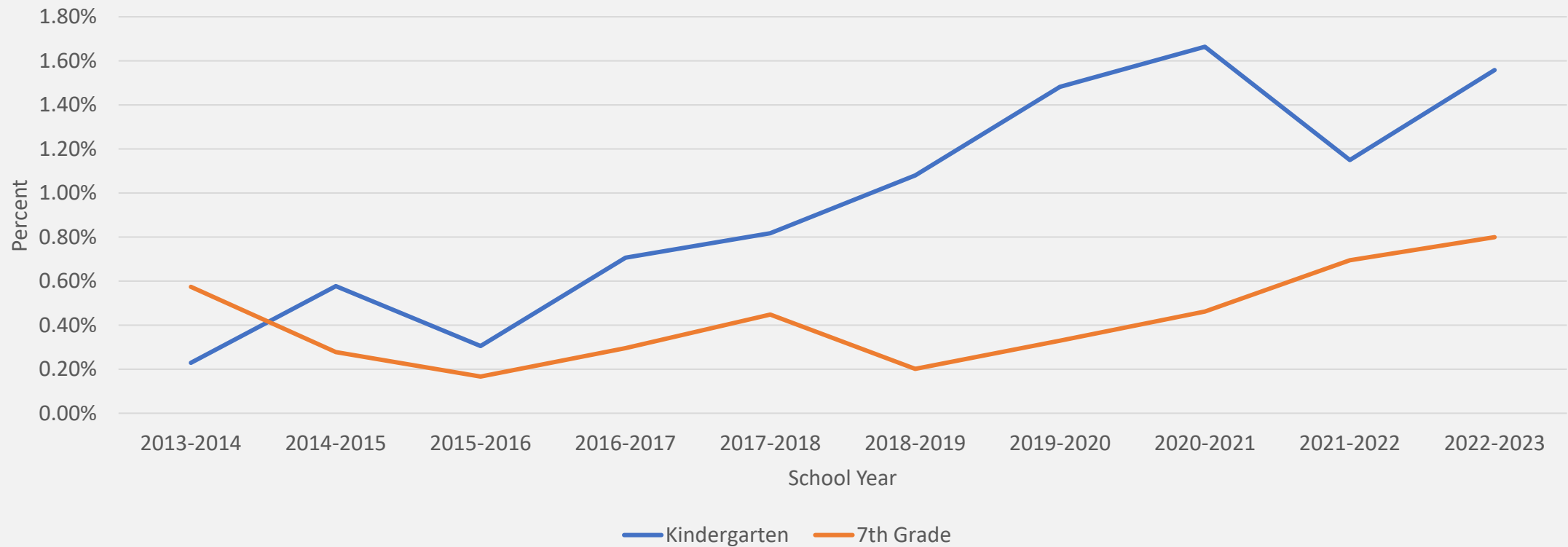


Reported Diseases by Most Populous Border Counties, Texas, 2021

	Cameron		El Paso		Hidalgo	
	Count	Rate	Count	Rate	Count	Rate
Campylobacteriosis	33	7.7	67	7.6	527	59.9
Carbapenem-Resistant Enterobacteriaceae (CRE)	32	7.5	7	-	115	13.1
Listeriosis	1	-	2	-	2	-
Malaria	1	-	1	-	2	-
Pertussis	1	-	1	-	11	-
Salmonellosis	37	8.6	113	12.8	367	41.7
Shigellosis	2	-	15	-	125	14.2
Streptococcus Pneumoniae	15	-	36	4.1	20	2.3
Typhus, Flea-Borne (Endemic, Murine)	34	7.9	0	-	91	10.3
Vibrio (Non-Cholera Vibrio Species)	4	-	1	-	23	2.6
West Nile Neuroinvasive Disease	1	-	18	2.0	1	-

Vaccination

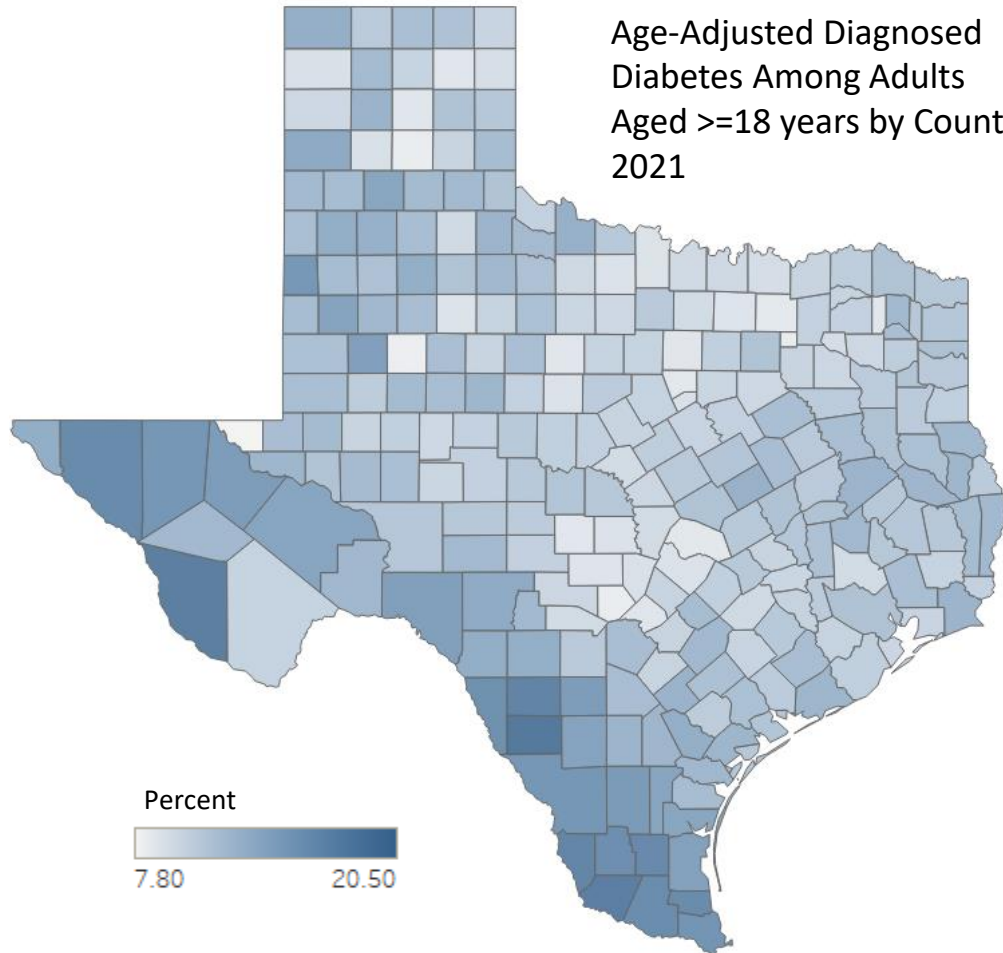
Average Percent of Students with Conscientious Exemptions Filed by School Year, TX Border Counties



Chronic Diseases

Diabetes Prevalence

Age-Adjusted Diagnosed Diabetes Among Adults Aged ≥ 18 years by County, 2021

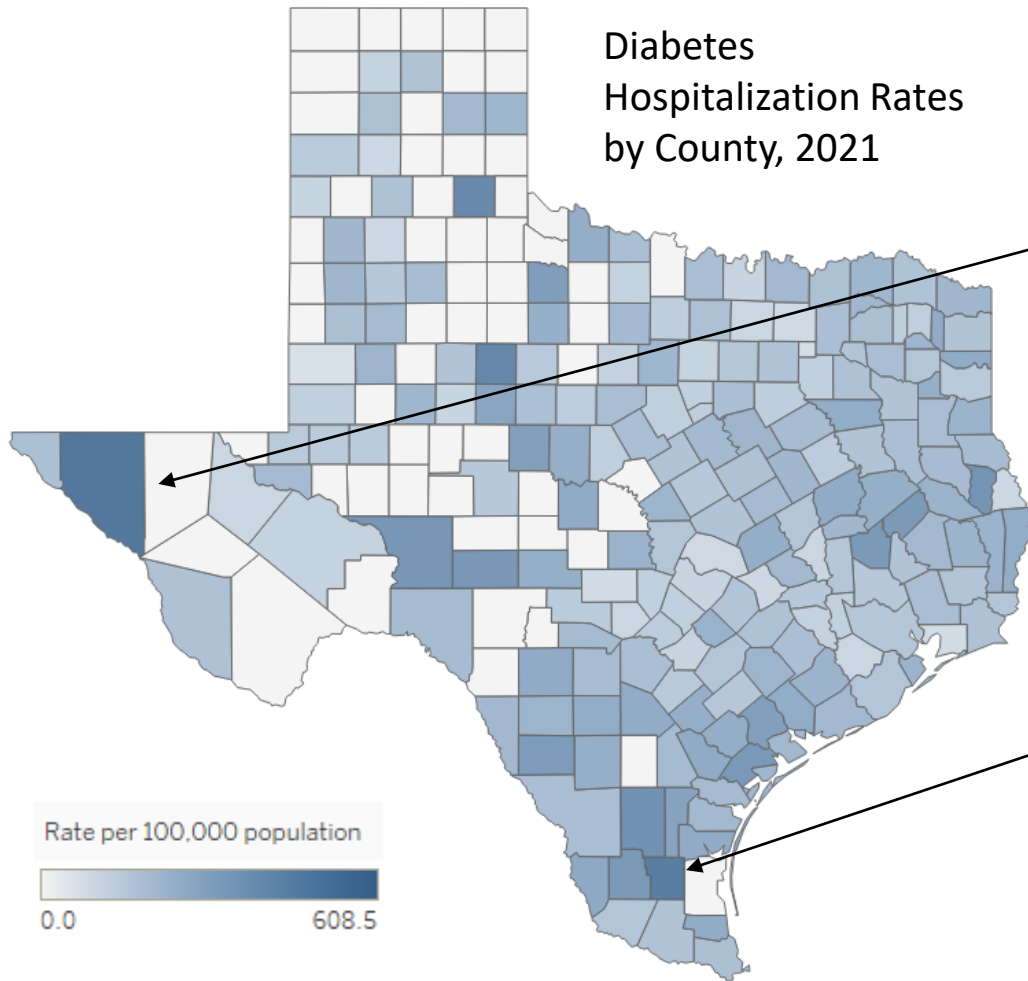


Top Ten Texas Counties with Highest Diagnosed Diabetes Among Adults ≥ 18 years

County	%
Dimmit	20.5
Presidio	19.8
Starr	19.7
Zavala	19.0
Zapata	18.8
Brooks	18.3
Hudspeth	18.2
Willacy	18.1
Hidalgo	18.0
Jim Hogg	17.7

Diabetes Hospitalizations

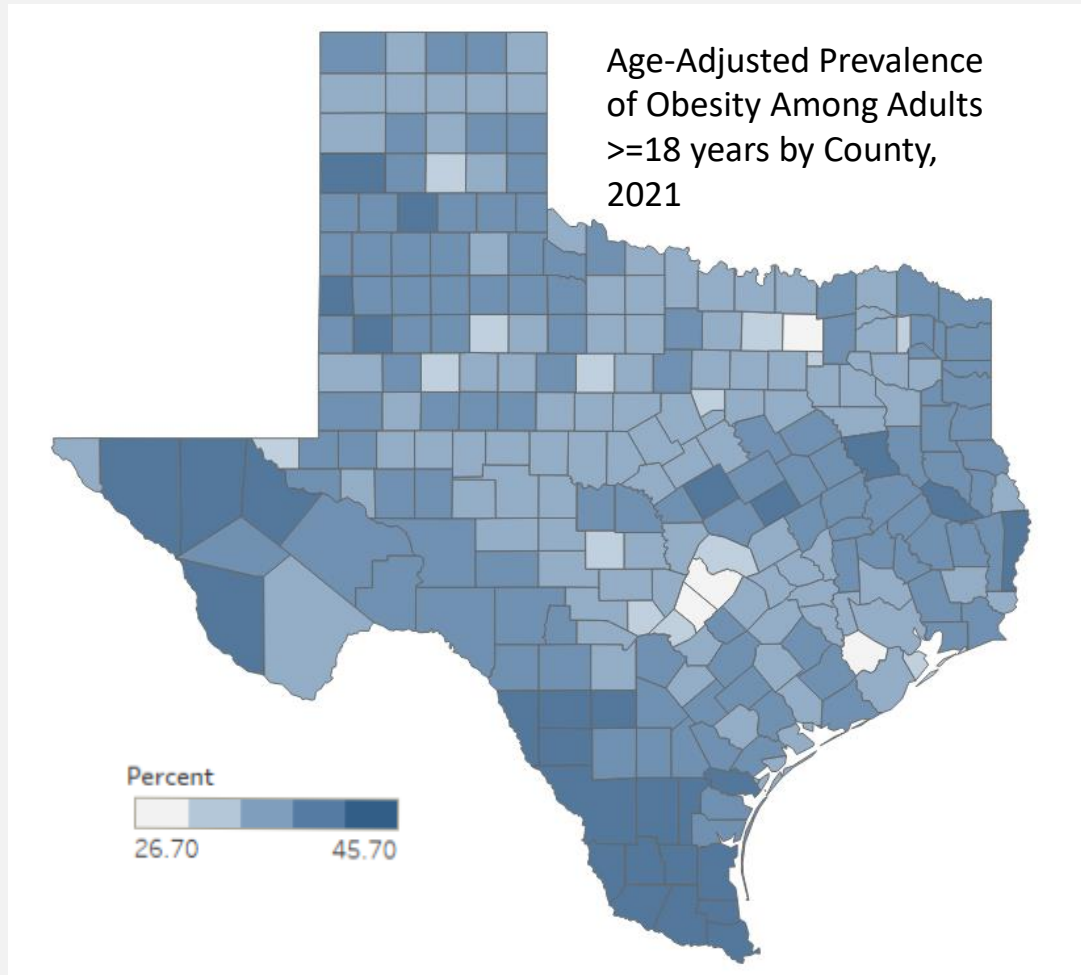
Diabetes Hospitalization Rates by County, 2021



Hudspeth County, 608.5 diabetes hospitalizations per 100,000 population

Brooks County, 571.9 diabetes hospitalizations per 100,000 population

Obesity

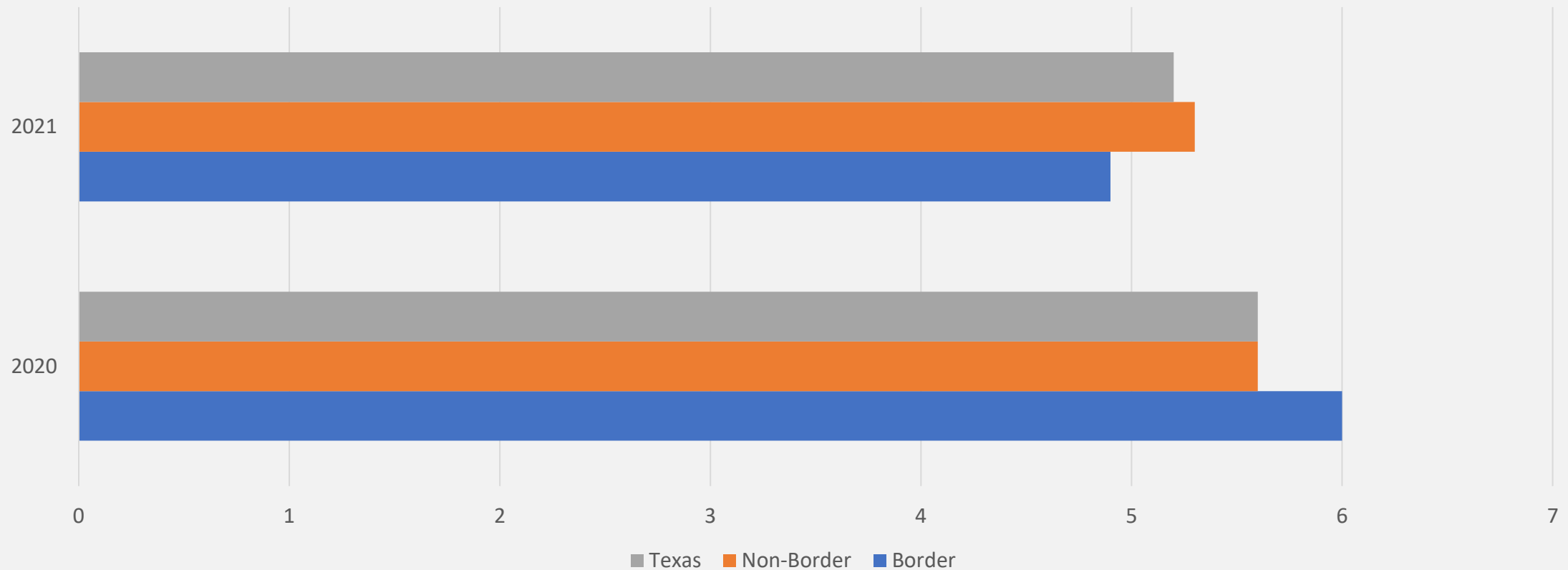


Top Ten Texas Counties with Highest Diabetes Proportion Among Adults ≥ 18 years

County	%
Dimmit	45.7
Willacy	45.3
Zavala	45.0
Cameron	44.6
Brooks	44.5
Hidalgo	44.5
Hudspeth	44.4
Presidio	44.3
Web	44.3
Starr	44.2

Heart Disease

Proportion of Respondents with Heart Disease* by Geography, Texas BRFSS, 2020-2021



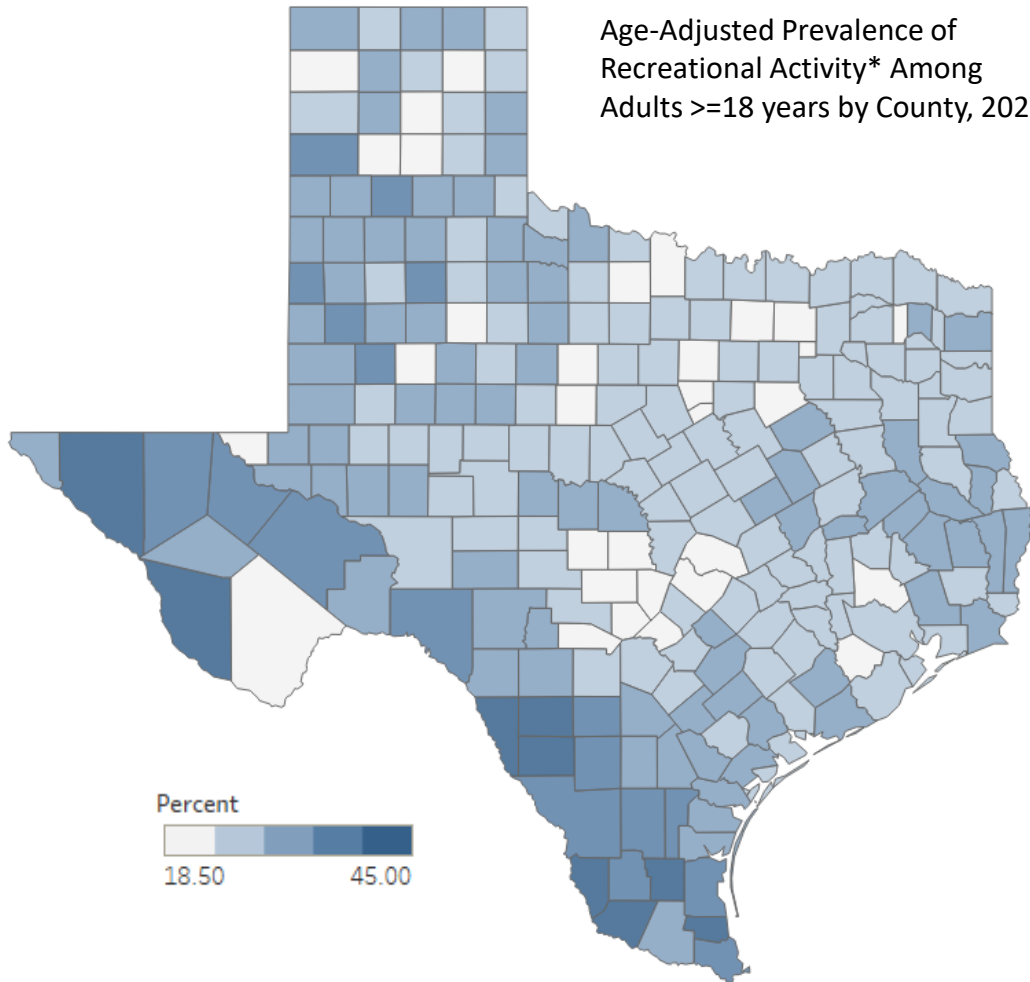
* Has a doctor, nurse, or other health professional told you that you had a heart attack, myocardial infarction, angina or coronary heart disease.

Mental Health and Behavioral



Physical Activity

Age-Adjusted Prevalence of Recreational Activity* Among Adults >=18 years by County, 2021



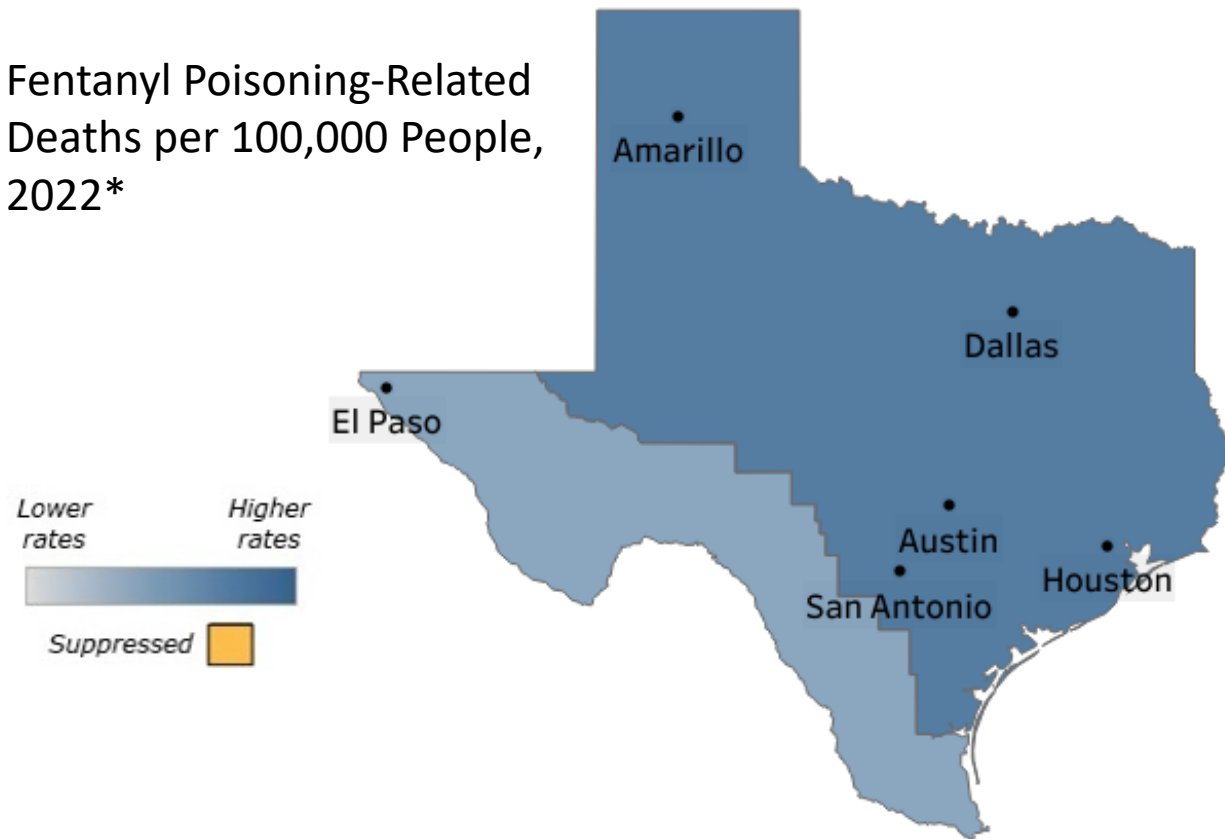
Top Ten Texas Counties with Lowest Recreational Activity* Among Adults >= 18 years

County	%
Dimmit	45.0
Presidio	43.4
Starr	43.0
Zapata	42.3
Hudspeth	42.2
Zavala	41.4
Willacy	40.6
Brooks	39.9
Maverick	39.7
Cochran ⁺	39.2

⁺ Not a border county

Substance Use Disorders: Fentanyl Deaths by Border Status

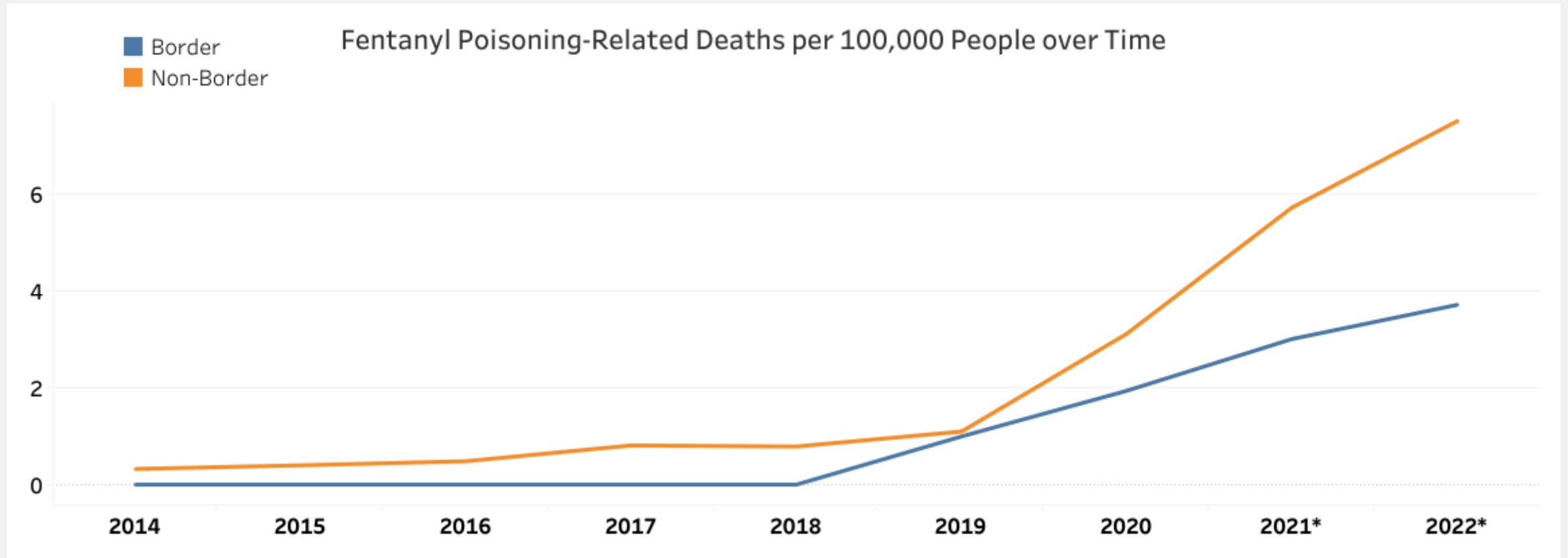
Fentanyl Poisoning-Related
Deaths per 100,000 People,
2022*



Rates per 100K	
Border	3.71
Non-Border	7.50

*Data are provisional and subject to change.

Substance Use Disorders: Fentanyl Deaths Over Time



* Data are provisional and subject to change

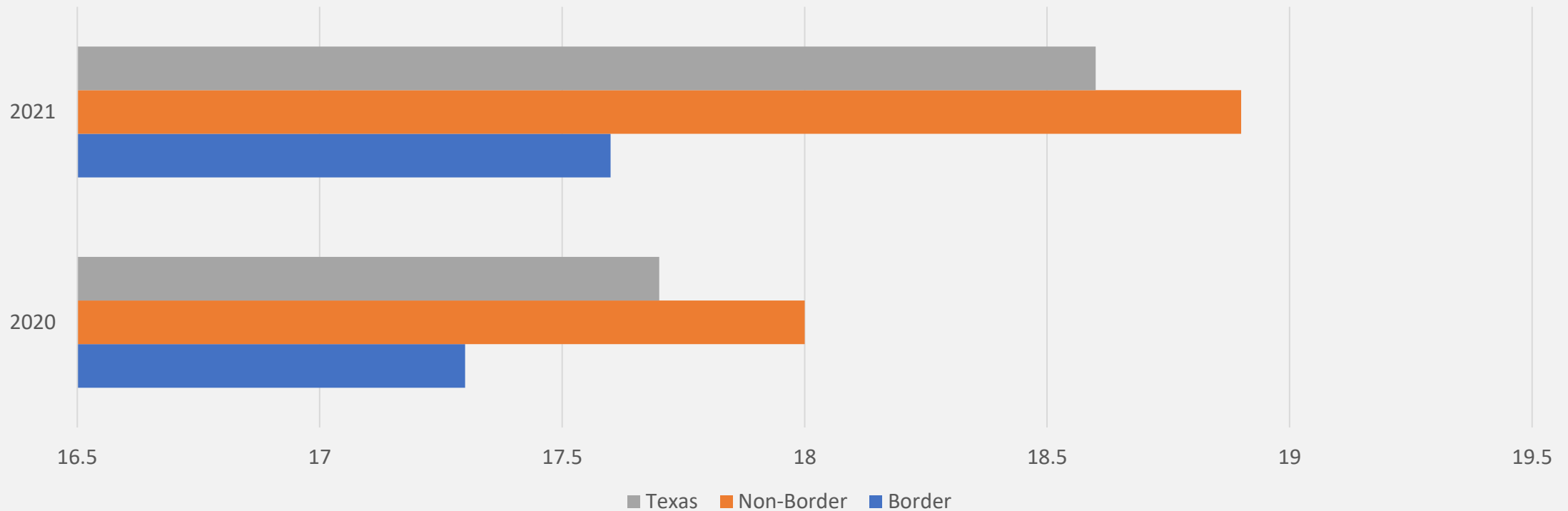
Substance Use Disorder: Opioid Emergency Visits

Rate of Non-Fatal Opioid Emergency Visits per 100,000 Emergency Visits, 2021

County	Any Opioid	Heroin	Non-Heroin Opioid	Synthetic Opioid
Cameron	43.5	--	39.3	--
El Paso	64.5	11.0	53.6	11.2
Hidalgo	32.0	--	28.5	10.3
Webb	82.2	52.8	29.4	--
All of Texas	30.0	7.6	22.5	3.4

Depressive Disorders

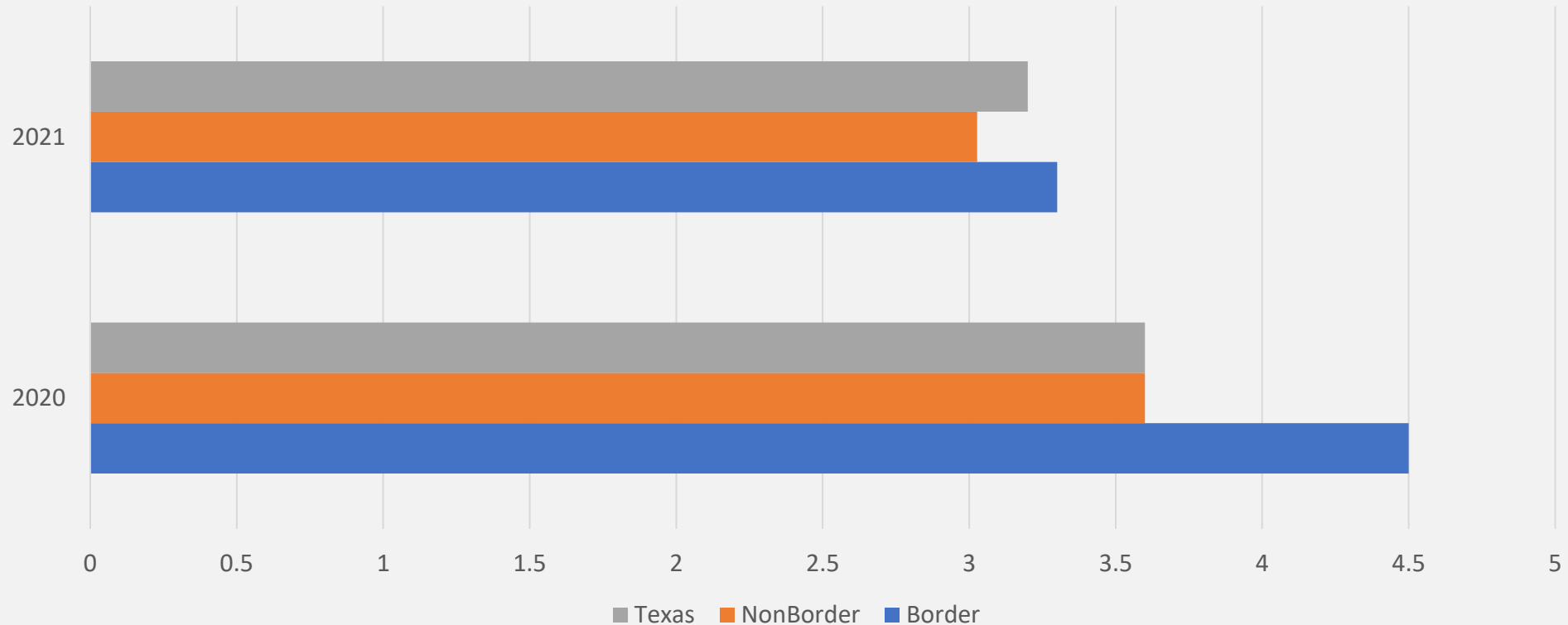
Proportion of Respondents with Depressive Disorders* by Geography, Texas BRFSS, 2020-2021



* Has a doctor, nurse, or other health professional ever told you that you have a depressive disorder including depression, major depression, dysthymia, or minor depression?

Depression: Suicidal Thoughts

Proportion of Respondents Who Ever Seriously Considered Suicide*
by Geography, Texas BRFSS, 2020-2021

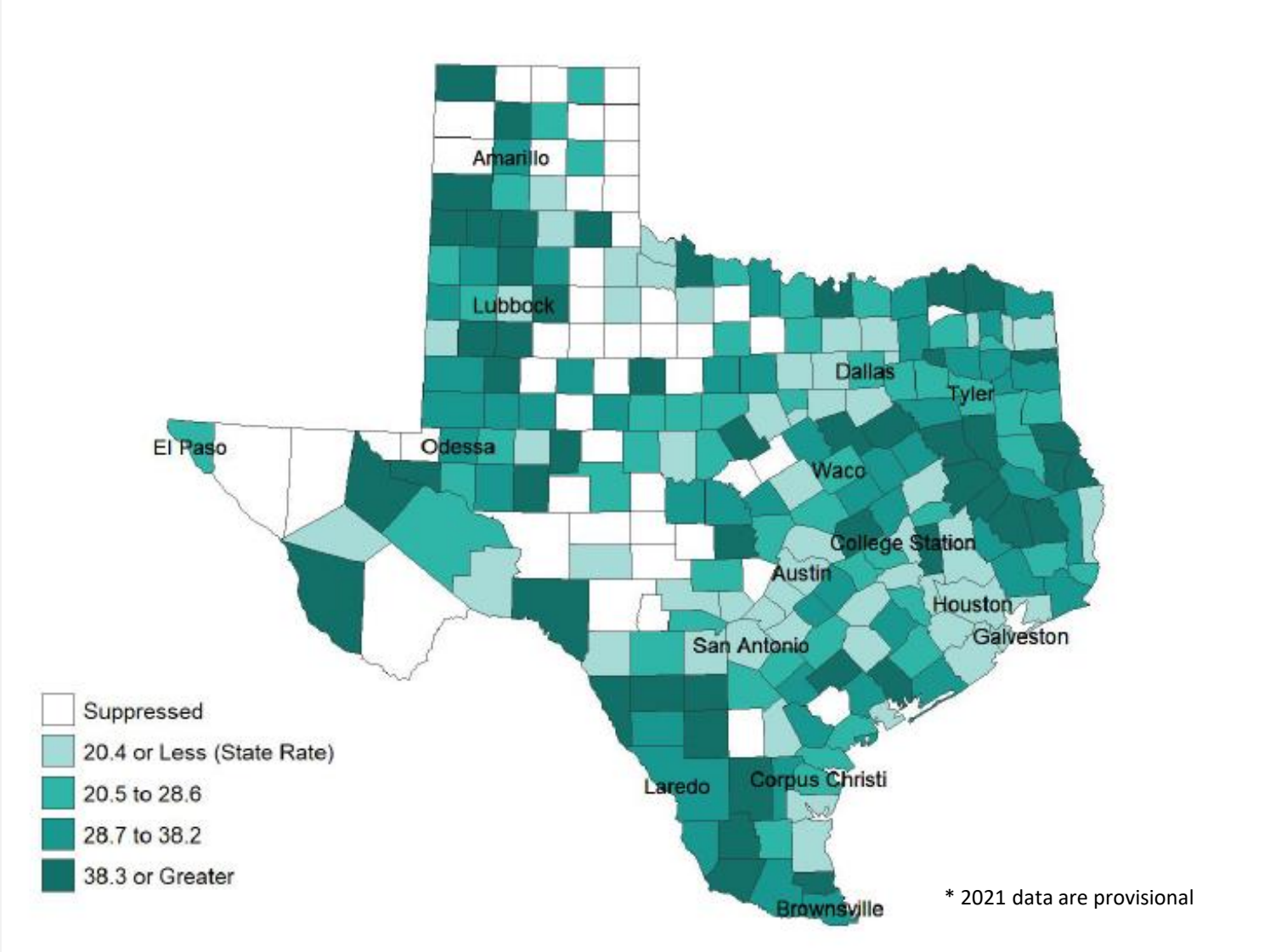


*During the past 12 months, have you ever seriously considered attempting suicide?

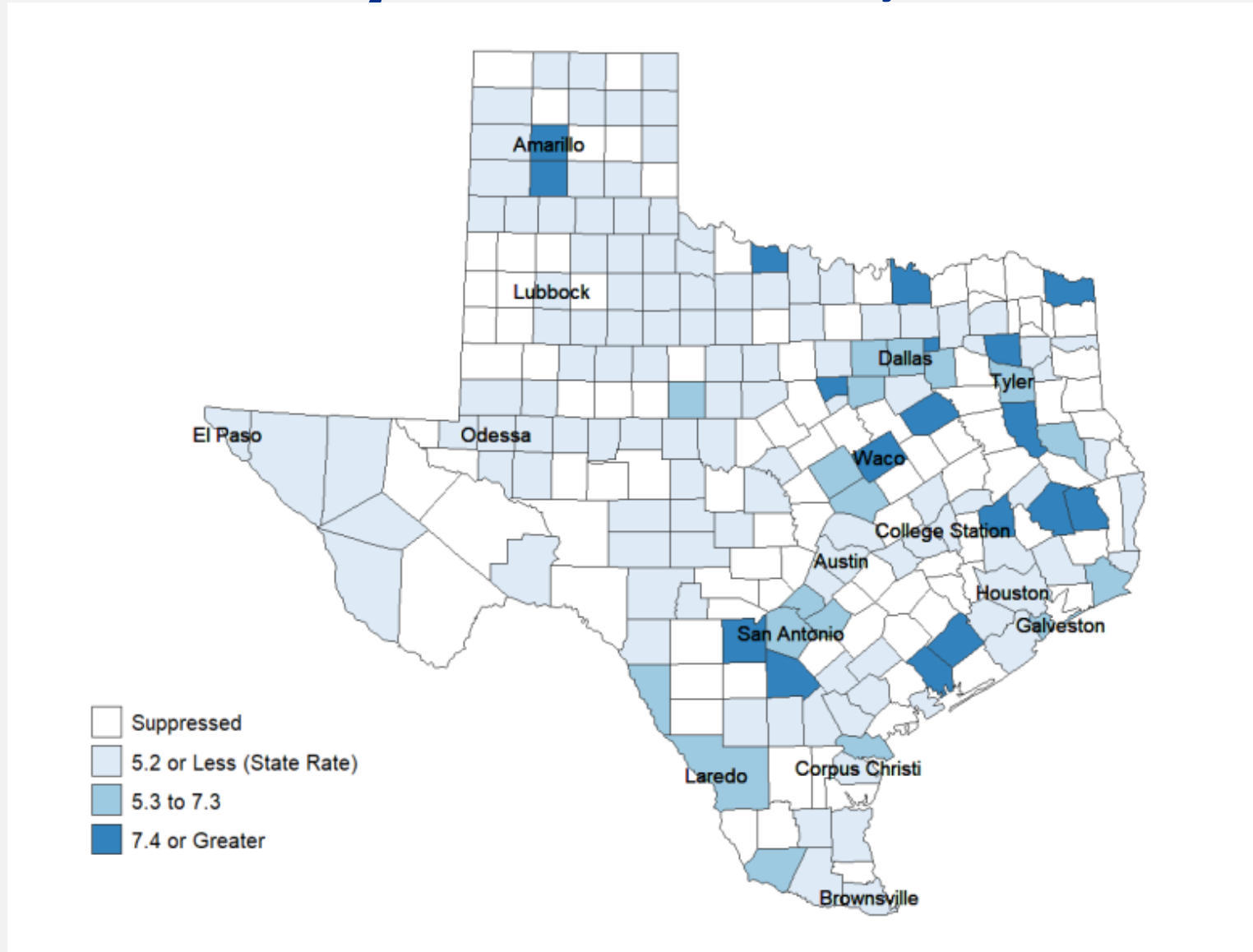
Maternal & Child Health



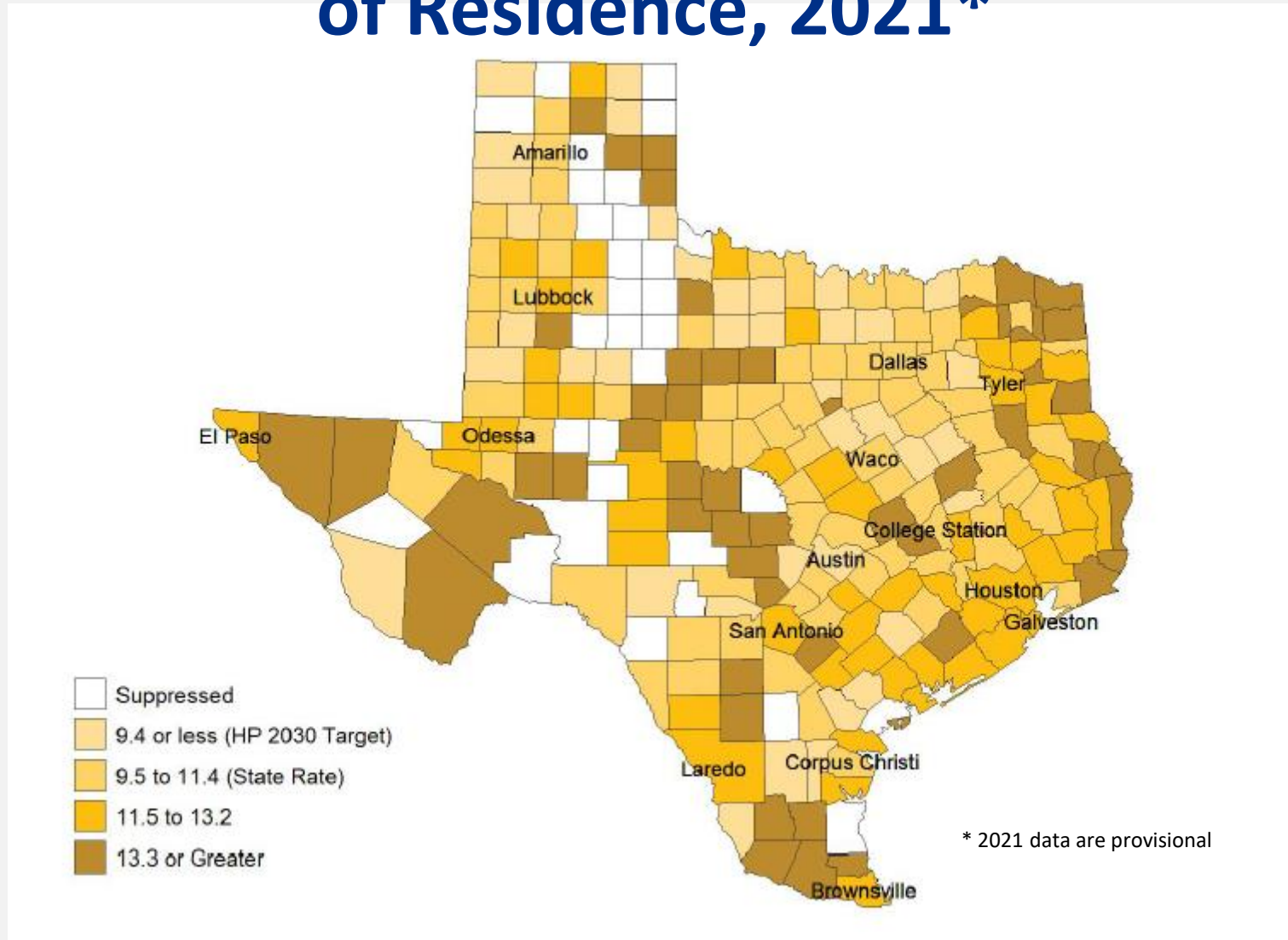
Teen Birth Rate per 1,000 Females Aged 15-19 Years by County of Residence, 2021*



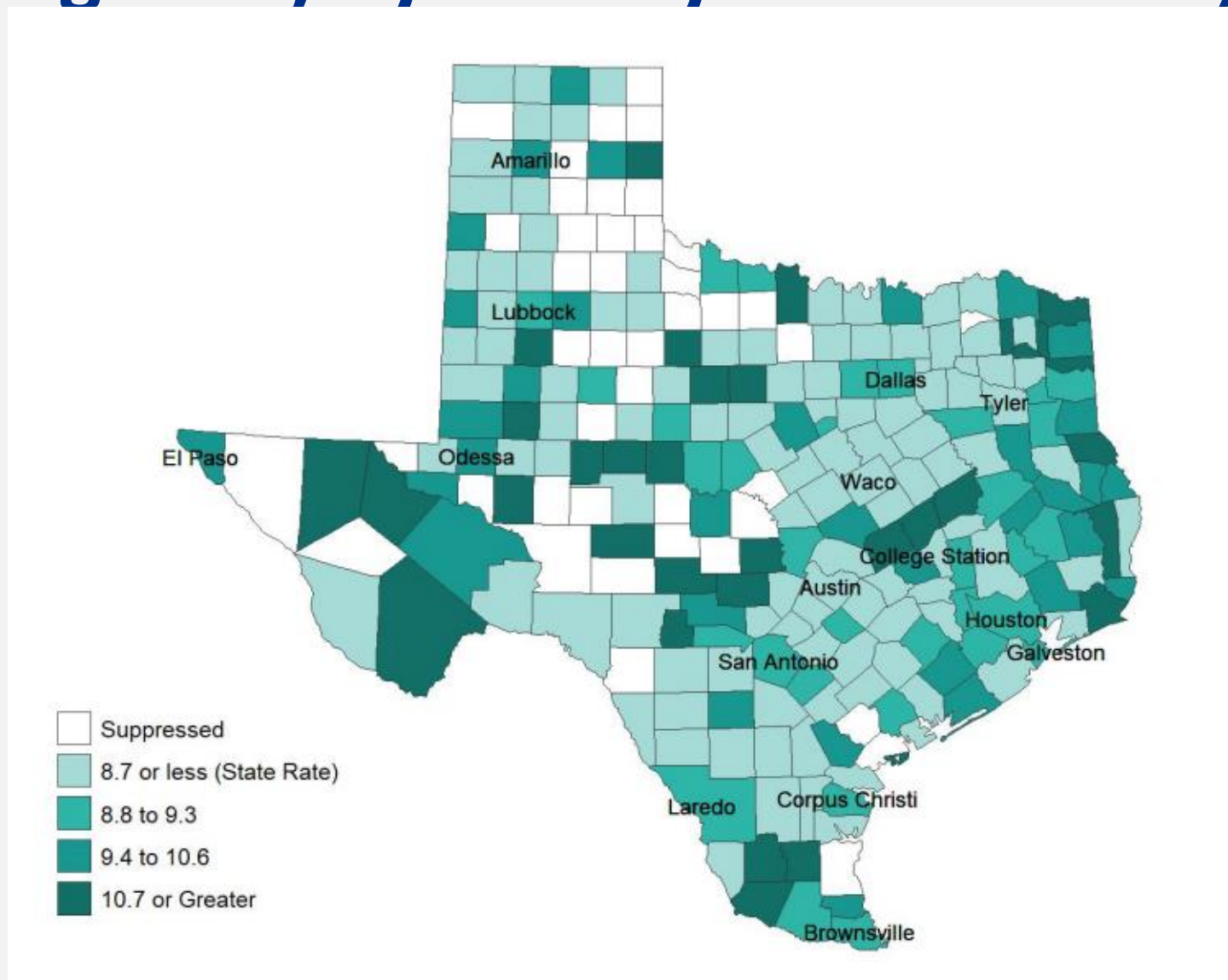
Infant Mortality Rate per 1,000 Live Births by County of Residence, 2021



Percent of Live Births Born Preterm (less than 37 weeks) in Texas Using Obstetric Estimate of Gestation by County of Residence, 2021*



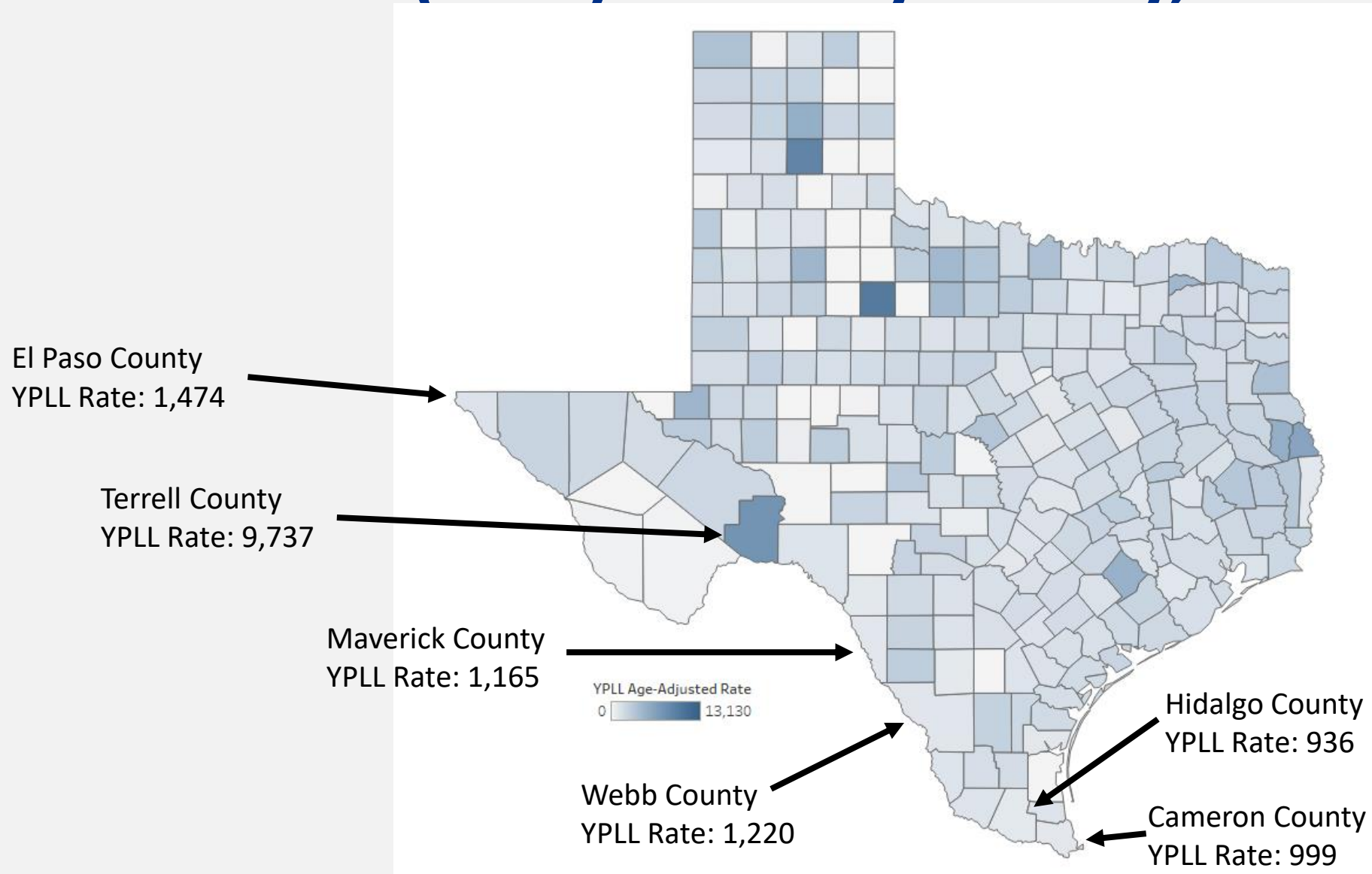
Percent of Infants Born Low Birth Weight (less than 2,500 grams) by County of Residence, 2021



Injury



Age-Adjusted Years of Potential Life Lost (YPLL)* Rate by County, 2021



Questions?



Thank you!

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