Texas border health data overview

July 7, 2022
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Epidemiologist, Office of Border Public Health
Border Data

By Region or County

• Demographics
• Health care access
• Communicable diseases
• Chronic diseases
• Mental health
• Maternal & child health
• Accidents & injuries
• Border crossings

Whiskerbush (Coryphantha ramillosa)
Demographic Variables

1. Population
   • Total
   • Change
   • Hispanic

2. Foreign birth / Language

3. Age

4. Poverty

5. Education
Population: Projections for 2022

- El Paso: 2,883,272
- Laredo: 30,667,390
- Other areas: 27,784,118
Percent Hispanic
(2022 projections)

87.3%

35.2%

40.1%
Percent Change in Total Population
(2012-2022)

8.8%

19.0%

18.0%
Percent Change in Hispanic Population
(2012-2022)

- El Paso: 9.0%
- Laredo: 28.9%
- McAllen: 24.3%
Metropolitan and Non-metropolitan Areas of Texas

NCHS 2013

1 = Large central metro
2 = Large fringe metro
3 = Medium metro
4 = Small metro
5 = Micropolitan
6 = Noncore
Percent of population under age 20 years (2022)

El Paso: 31.1%

Ft. Stockton: 27.5%

McAllen: 27.8%
Population pyramid (2022)
Proportion of population under age 20 years (2022)
American Community Survey (ACS)

- U.S. Census Bureau
- Wide variety of population and household characteristics available
- 5-year estimates (2016-20 is most recent available as of June 2022)
- Pooling data from 5 years allows for estimation of measures for small geographic units such as counties and even census tracts
Percent foreign born
(ACS 2020)

- El Paso: 24.0%
- Laredo: 27.8%
- McAllen: 16.1%
Proportion foreign born
(ACS 2020)
Percent (ages 5 and older) who speak English less than “very well”

(ACS 2020)
Proportion (ages 5 and older) who speak English less than “very well”  
(ACS 2020)
Percent Below Poverty Level, all ages
(ACS 2020)

24.7%
13.1%
14.2%
Percent Below Poverty Level Total Population
(ACS 2020)
Percent Below Poverty Level, under age 18

(ACS 2020)

34.9%

18.2%

20.0%
Percent with no High School Diploma, ages 25 & older
(ACS 2020)

- 28.9%
- 14.3%
- 15.6%

Texas
Percent with no High School Diploma, ages 25 & older

(ACS 2020)
Communicable Diseases

• Tuberculosis
• HIV
• Vaccine preventable diseases
• Foodborne / waterborne diseases
Tuberculosis Incidence

TB Rate per 100,000 population:
- Greater than 10.0
- Between 5.0 and 10.0
- Between 3.0 and 4.9
- Less than 3.0
- No reported cases

Statewide rate: 4.0 per 100,000

5 or less cases
Rates of People Living with Diagnosed HIV by Texas County, 2019
Late Diagnoses* as Percent of Total HIV Diagnoses by EMA/TGA**, 2019

* Stage 3 (AIDS) diagnosis within 3 months of HIV diagnosis
**Eligible Metropolitan Areas (EMAs) and Transitional Grant Areas (TGAs) are metropolitan areas consisting of several counties designated by the Ryan White HIV/AIDS Program for funding purposes
### Vaccine Preventable Diseases

<table>
<thead>
<tr>
<th>County</th>
<th>Pertussis rate, 2019</th>
<th>Varicella rate, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cameron</td>
<td>4.9</td>
<td>8.0</td>
</tr>
<tr>
<td>El Paso</td>
<td>2.4</td>
<td>-</td>
</tr>
<tr>
<td>Hidalgo</td>
<td>10.3</td>
<td>8.2</td>
</tr>
<tr>
<td><strong>Texas (state)</strong></td>
<td><strong>4.5</strong></td>
<td><strong>4.4</strong></td>
</tr>
</tbody>
</table>

- indicates that rates are not reported because the relative standard error exceeds 25%

Rates are cases per 100,000 population
NIS-Child Immunization Coverage Estimates for Select Vaccines, by Jurisdiction, 2020

- 4:3:1:3c:3:1:4f
- 3+Polio
- 3+HepB
- Rota

U.S. | Texas | Bexar County | City of Houston | Dallas County | El Paso County
--- | --- | --- | --- | --- | ---
71% | 66% | 65% | 62% | 76% | 74% | 73% | 71% | 86%
## School Vaccination Coverage Levels—Kindergarten, 2021-22

<table>
<thead>
<tr>
<th>ISD</th>
<th>DTP/DTaP/DT/Td</th>
<th>Hepatitis A</th>
<th>Hepatitis B</th>
<th>MMR</th>
<th>Polio</th>
<th>Varicella</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brownsville ISD</td>
<td>99.4%</td>
<td>99.5%</td>
<td>99.5%</td>
<td>99.4%</td>
<td>99.4%</td>
<td>99.5%</td>
</tr>
<tr>
<td>McAllen ISD</td>
<td>97.4%</td>
<td>97.3%</td>
<td>98.8%</td>
<td>98.3%</td>
<td>98.1%</td>
<td>97.6%</td>
</tr>
<tr>
<td>Laredo ISD</td>
<td>98.8%</td>
<td>98.1%</td>
<td>99.7%</td>
<td>99.6%</td>
<td>99.4%</td>
<td>99.1%</td>
</tr>
<tr>
<td>Eagle Pass ISD</td>
<td>89.7%</td>
<td>92.7%</td>
<td>96.2%</td>
<td>89.0%</td>
<td>89.5%</td>
<td>88.0%</td>
</tr>
<tr>
<td>San Felipe-Del Rio CISD</td>
<td>92.6%</td>
<td>95.9%</td>
<td>97.5%</td>
<td>92.8%</td>
<td>93.5%</td>
<td>92.7%</td>
</tr>
<tr>
<td>Presidio ISD</td>
<td>98.2%</td>
<td>96.4%</td>
<td>100.0%</td>
<td>96.4%</td>
<td>98.2%</td>
<td>96.4%</td>
</tr>
<tr>
<td>El Paso ISD</td>
<td>96.2%</td>
<td>97.9%</td>
<td>96.6%</td>
<td>97.2%</td>
<td>95.8%</td>
<td>97.0%</td>
</tr>
<tr>
<td>Austin ISD</td>
<td>91.2%</td>
<td>92.0%</td>
<td>94.9%</td>
<td>92.1%</td>
<td>91.0%</td>
<td>90.2%</td>
</tr>
<tr>
<td>Houston ISD</td>
<td>78.3%</td>
<td>85.6%</td>
<td>87.1%</td>
<td>78.8%</td>
<td>78.2%</td>
<td>77.6%</td>
</tr>
<tr>
<td>Statewide</td>
<td>93.8%</td>
<td>94.6%</td>
<td>96.0%</td>
<td>94.0%</td>
<td>94.0%</td>
<td>93.6%</td>
</tr>
</tbody>
</table>
Reported Conscientious Exemptions by County, 2021-2022 School Year

Percent of Students in K-12 with a Conscientious Exemption

%0% 0%-0.01% 0.01-0.07% 0.08-0.97% 1.08-2.99% 3-%

Source: DSHS Immunitization Unit, December 2021
# Foodborne/Waterborne Diseases

- Indicates that rates are not reported because the relative standard error exceeds 25%

Rates are cases per 100,000 population, 2019 data

<table>
<thead>
<tr>
<th>County</th>
<th>Campylobacteriosis</th>
<th>Cryptosporidiosis</th>
<th>Cyclosporiasis</th>
<th>Salmonellosis</th>
<th>Shigellosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cameron</td>
<td>15.3</td>
<td>5.9</td>
<td>10.6</td>
<td>23.7</td>
<td>12.4</td>
</tr>
<tr>
<td>El Paso</td>
<td>7.9</td>
<td>2.1</td>
<td>-</td>
<td>13.0</td>
<td>4.4</td>
</tr>
<tr>
<td>Hidalgo</td>
<td>65.7</td>
<td>7.9</td>
<td>8.0</td>
<td>45.4</td>
<td>50.8</td>
</tr>
<tr>
<td>Texas (state)</td>
<td>18.5</td>
<td>4.3</td>
<td>3.6</td>
<td>19.1</td>
<td>13.8</td>
</tr>
</tbody>
</table>
Thank you!

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