CCMC

Comanche County Medical Center

Community Health Needs Assessment (CHNA)

Stroudwater Associates

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Project Overview

Comanche County Medical Center (CCMC) is conducting a Community Health Needs Assessment (CHNA) to assess, prioritize, and identify resources potentially available to address the health needs of the Comanche Community.

CCMC solicited input from individuals in the greater CCMC service area to help in identifying and prioritizing significant health needs.

METHODOLOGY

Methodology

- This CHNA relies on data collected from the following sources:
  1. Health and Demographic Data
     - Community Commons
     - Comanche County Medical Center ("CCMC")
     - IBM Watson
  2. Survey Data
     - A 35-question survey was distributed to a wide range of CCMC stakeholders. It was:
       - distributed via email with an invitation to respond and a survey link hosted on Survey Monkey
       - distributed in print form in CCMC facilities and community locations
       - advertised in local newspapers, on various media networks, and posted on the CCMC website
       - provided in both English and Spanish
     - 102 surveys were collected and analyzed

DEMOGRAPHICS

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Demographics: Service Area Definition

- Zip codes (9) shown account for just over 90% of patient origin for Comanche Medical Center 2018 Medicare patients.

- 6 zip codes in blue represent the primary service area the remaining 3 zip codes represent the secondary service area.

- The community service area includes these zip codes, plus all other zip codes in Hamilton, Mills, Eastland, Erath, Brown, and Comanche counties.
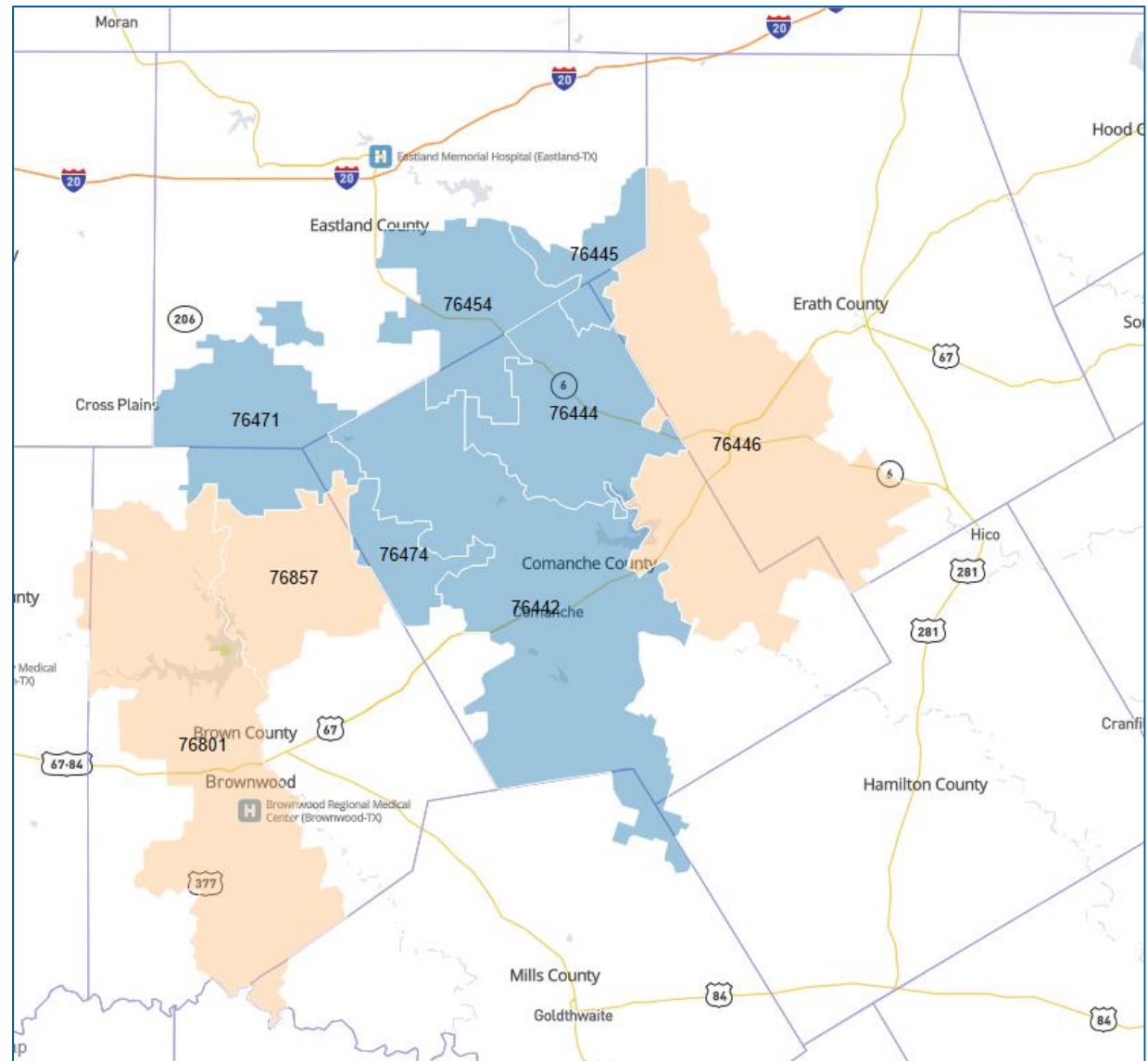
Source: CMS Hospital Service Area File 2018

Demographics: Service Area Definition

- The 6 counties in the CCMC community are composed of Brown, Comanche, Eastland, Erath, Hamilton and Mills counties.

Source: IBM Watson
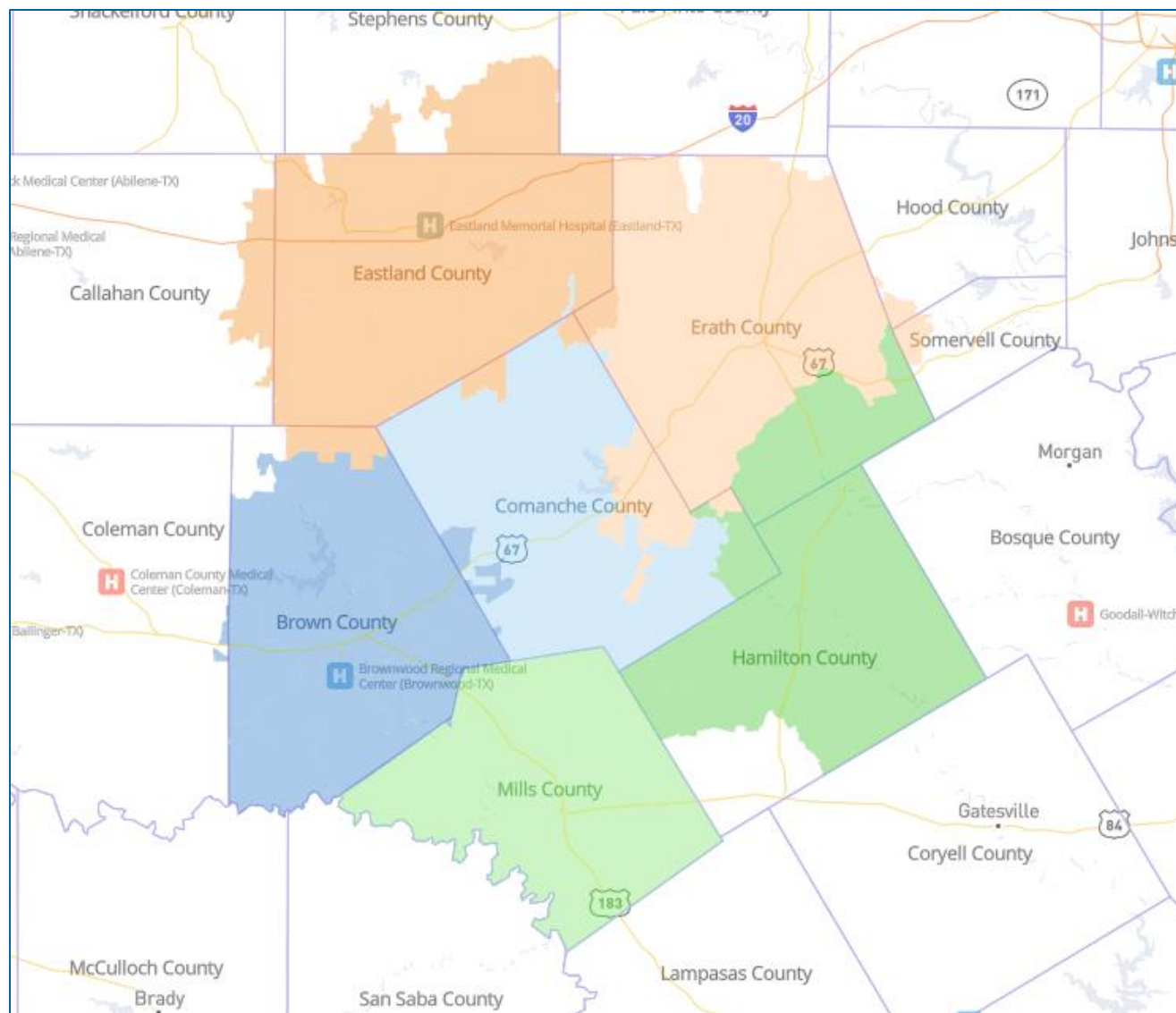
Demographics: Population Age Groups and Growth Data

- The 6-county service area is expected to grow by almost 5,000 individuals or 3.8% between 2019 and 2024.

- 57% of the estimated growth is expected to come from Erath County.

- The two age cohorts expected to grow between 2019 – 2024 are the 18 – 44 age group by 2,590 individuals (5.9%) and the 65+ age group, by 3,223 (12.9%).

- With the exception of Erath County, people aged 65 and older comprise over 20% of each county's total population.

	Current Population 125,789		5yr Estimate 130,598	
Age Gro..	Current	Forecast	# Change	% Change
0-17	27,206	27,337	131	0.5%
18-44	43,992	46,582	2,590	5.9%
45-64	29,562	28,427	-1,135	-3.8%
65+	25,029	28,252	3,223	12.9%
Grand Total	125,789	130,598	4,809	3.8%

Source: IBM Watson

Demographics: Hispanic or Latino Population Data

- All 6 counties have a lower Hispanic or Latino population than the Texas state average.

- Of all the 6 counties, Comanche County has the largest Hispanic or Latino population: 27.63% of the total county population.

Percentage of Population That Is Hispanic or Latino

County	Indicator Value
Brown County	21.94%
Comanche County	27.63%
Eastland County	16.22%
Erath County	20.90%
Hamilton County	12.32%
Mills County	19.75%
State Average	39.17%

Indicator Value

Source: Community Commons
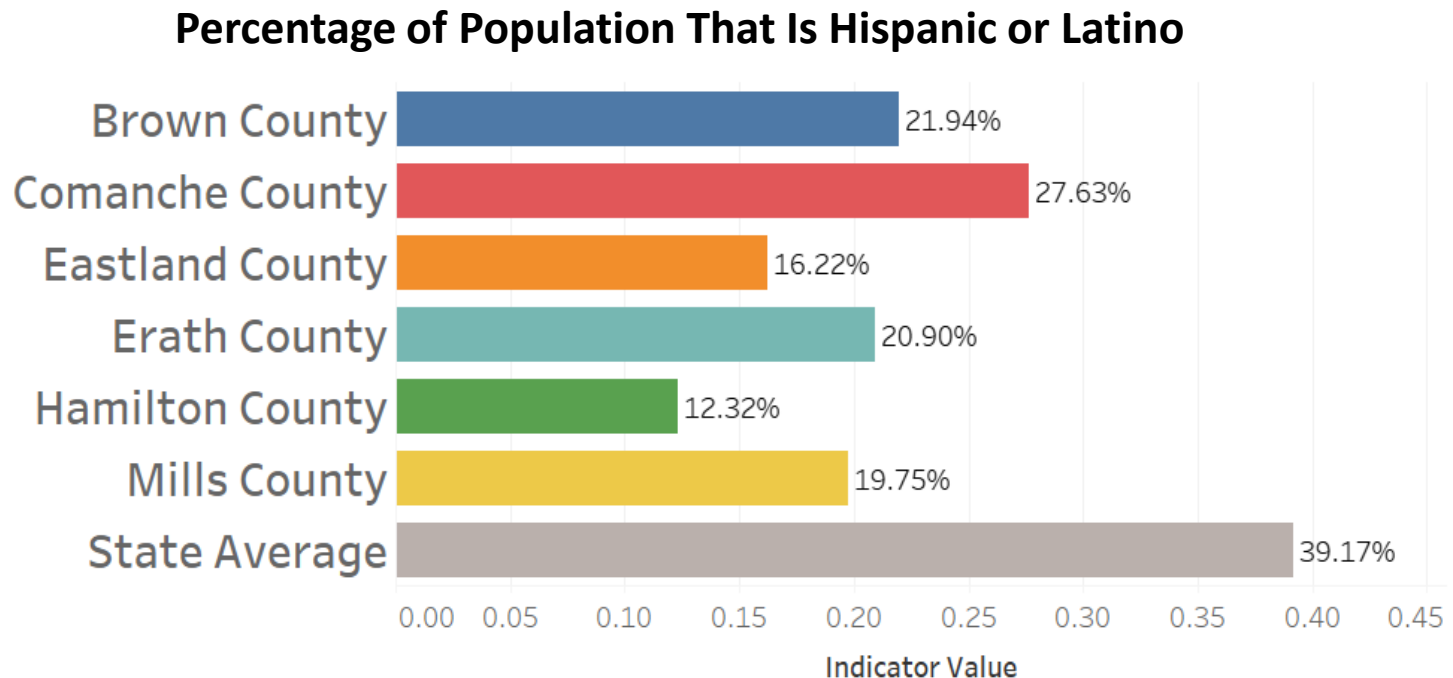
Demographics: CCMC Inpatient Data

- CCMC Inpatient (IP) data show the percentage of patients who are Hispanic or Latino has stayed relatively consistent over time with the exception of 2017.

- The majority (9.2%) of Hispanic or Latino patients come from Comanche County.

Total Inpatient Population at CCMC by Race

Race	2015	2016	2017	2018	2019	2020
White	92.4%	91.3%	88.6%	92.5%	91.5%	91.3%
Hispanic	6.2%	8.3%	11.1%	7.3%	7.3%	6.9%
Unknown	0.8%	0.2%	0.3%		0.7%	0.6%
American Indian or Alaska Native					0.1%	0.2%
Other					0.3%	0.2%
Asian	0.1%					
Black or African American	0.4%	0.3%		0.1%	0.1%	
Null						0.8%

Inpatient Population from Six Counties by Race

Race	2015	2016	2017	2018	2019	2020
White	93.6%	91.8%	88.8%	92.6%	91.8%	92.5%
Hispanic	5.6%	8.0%	10.9%	7.2%	7.3%	6.6%
Unknown	0.4%	0.2%	0.3%		0.5%	0.6%
American Indian or Alaska Native						0.2%
Other					0.3%	
Asian	0.1%					
Black or African American	0.3%			0.2%	0.1%	

Source: CCMC Data

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Demographics: CCMC Inpatient Data

- In 2019, Hispanic or Latino individuals made up nearly 30% of the population of Comanche County, but only 8.9% of inpatients from Comanche County came to CCMC to receive care.

- A critical CCMC community need is the provision of health services accessible to the Hispanic or Latino population, including the provision of Spanish language translators and education on health insurance options.

Inpatient Population from Comanche County by Race

Race	2015	2016	2017	2018	2019	2020
White	92.2%	91.0%	86.3%	90.9%	89.9%	91.2%
Hispanic	7.0%	9.0%	13.3%	9.1%	8.9%	8.2%
Unknown	0.4%		0.4%		0.8%	0.3%
American Indian or Alaska Native						0.3%
Other					0.4%	
Asian	0.2%					
Black or African American	0.2%					

Source: CCMC Data

Demographics: Share of Veterans

- 5 out of the 6 counties have a larger veteran population than the Texas state average, indicating a strong community need for veteran support services, such as VA services and behavioral health.

- Meeting veterans' needs would achieve the CCMC 2020-2025 Strategic Initiatives to "develop greater impact for VA support for our military veterans."

Percentage of Total Population per County Who Are Veterans

County	Percentage
Brown County	10.15%
Comanche County	8.26%
Eastland County	8.29%
Erath County	7.02%
Hamilton County	9.16%
Mills County	11.22%
State Average	7.19%

Source: Community Commons

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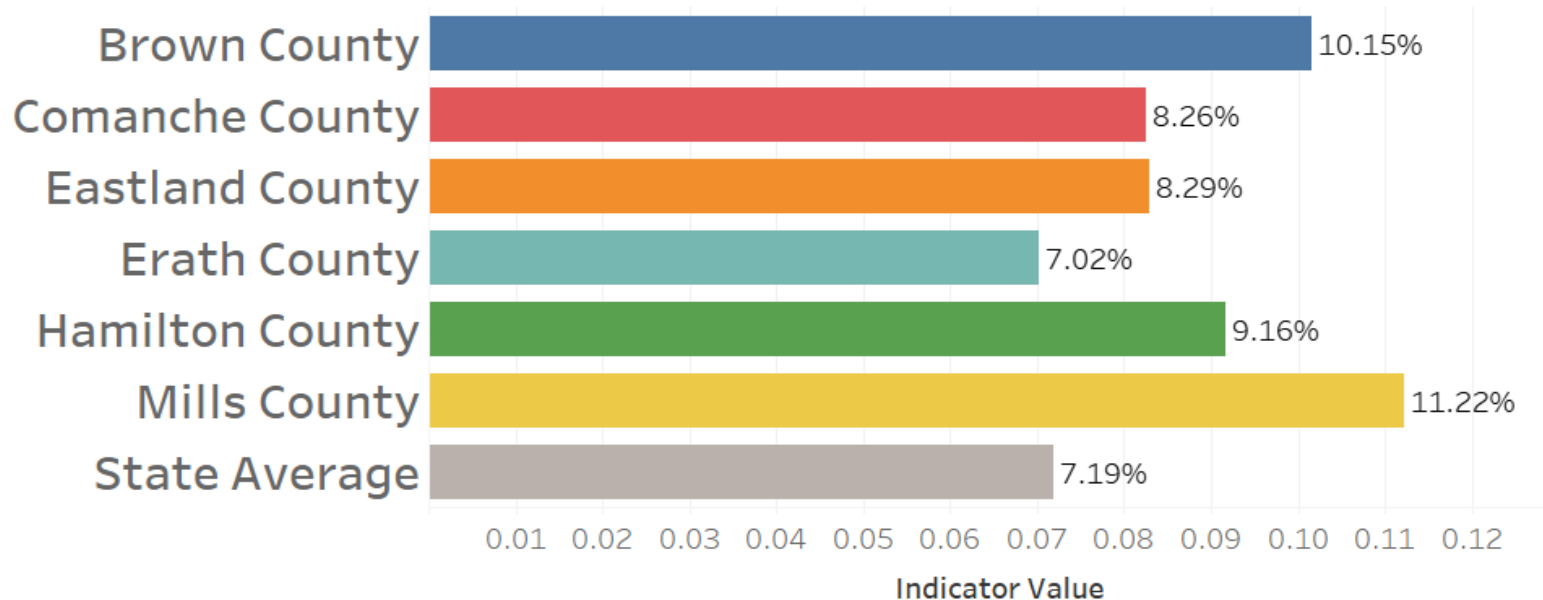
Demographics: Income

- Per capita income in all 6 counties falls below the Texas state average of $30,142, and the US average of $32,620.

Region	% of State
Brown County	83%
Comanche County	83%
Eastland County	79%
Erath County	84%
Hamilton County	93%
Mills County	81%

Per Capita Income per County

County	Indicator Value
Brown County	25,145
Comanche County	25,127
Eastland County	23,939
Erath County	25,289
Hamilton County	28,073
Mills County	24,273
State Average	30,142
National Average	32,620

Source: Community Commons

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Demographics: Public Assistance and Unemployment

- Comanche County (3.31%) and Eastland County (3.02%) have a higher share of households with Public Assistance Income than Texas state (1.45%) and national averages (2.45%).
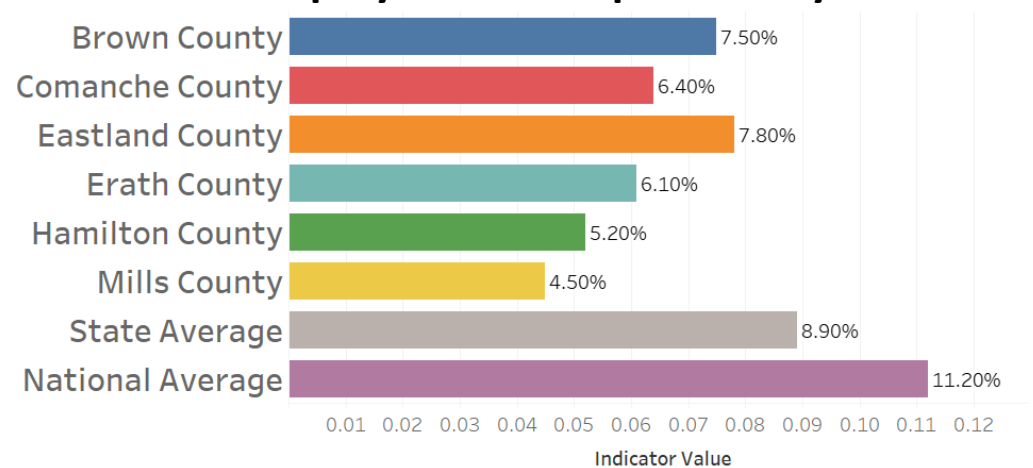
- All 6 counties have an unemployment rate lower than both the Texas state and national averages.

Public Assistance Income per County

County	Value
Brown County	1.41%
Comanche County	3.31%
Eastland County	3.02%
Erath County	0.88%
Hamilton County	1.35%
Mills County	0.57%
State Average	1.45%
National Average	2.45%

Indicator Value
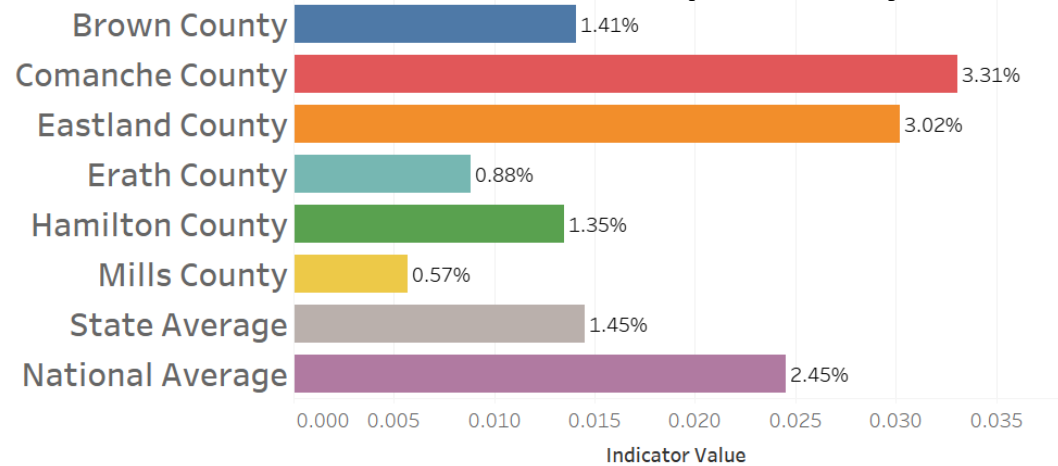
Unemployment Rate per County

County	Value
Brown County	7.50%
Comanche County	6.40%
Eastland County	7.80%
Erath County	6.10%
Hamilton County	5.20%
Mills County	4.50%
State Average	8.90%
National Average	11.20%

Indicator Value

Source: Community Commons
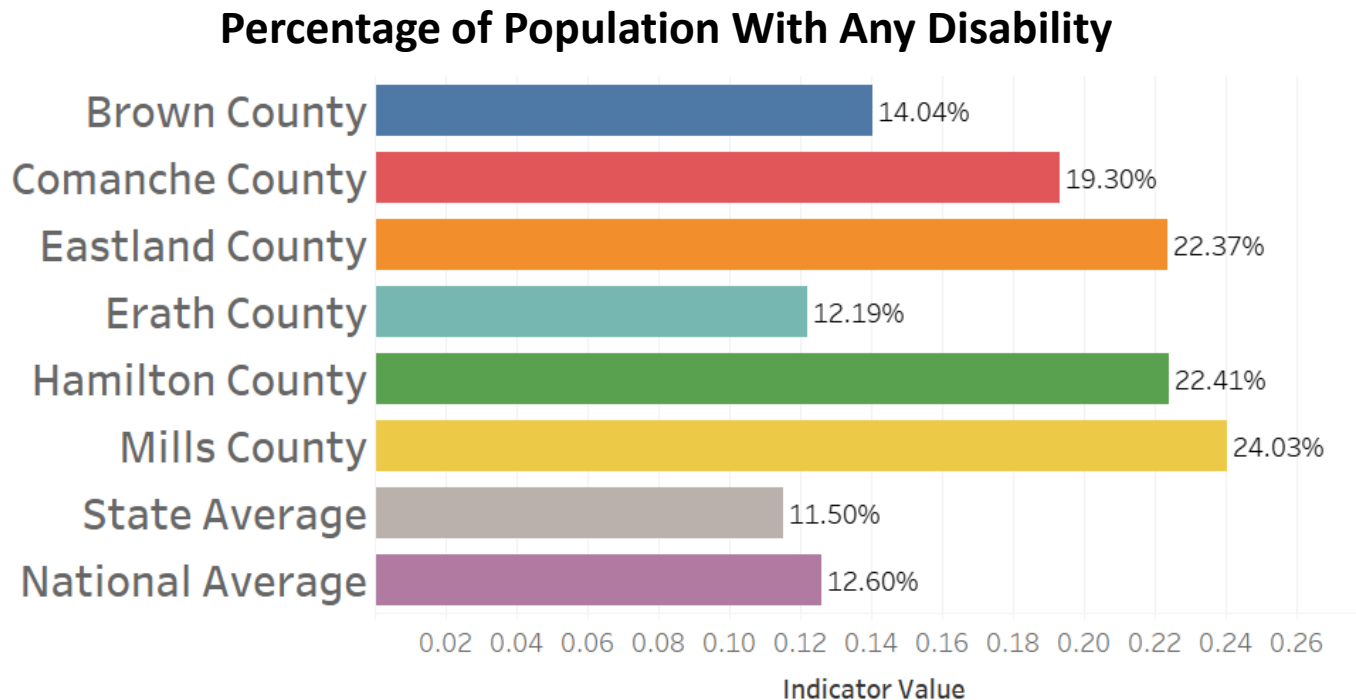
Demographics: Disability

- All 6 counties are above both Texas state and national averages for percentage of population with any disability.

- This is an indicator of a strong need in the community to support this vulnerable population and requires additional targeted services and outreach which could include transportation or social support.

Percentage of Population With Any Disability

County	Indicator Value
Brown County	14.04%
Comanche County	19.30%
Eastland County	22.37%
Erath County	12.19%
Hamilton County	22.41%
Mills County	24.03%
State Average	11.50%
National Average	12.60%

Indicator Value

Source: Community Commons

POPULATION HEALTH DATA

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Population Health Data: Food Access

Percentage of Population with Low Income and Low Food Access
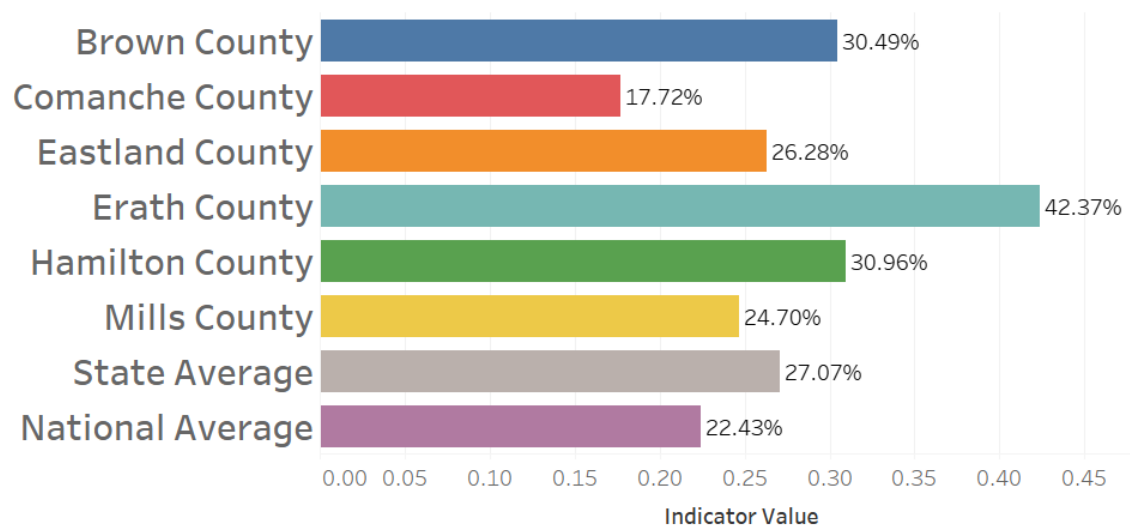
- 4 out of 6 counties have a higher population than the state average with low income and low food access.

- 5 out of 6 counties have a higher population than the national average with low food access.

- 3 out of 6 counties have a higher population than the state average with low food access.

County	Indicator Value
Brown County	27.60%
Comanche County	19.02%
Eastland County	23.34%
Erath County	48.84%
Hamilton County	46.75%
Mills County	29.03%
State Average	24.60%

Percentage of Population with Low Food Access

County	Indicator Value
Brown County	30.49%
Comanche County	17.72%
Eastland County	26.28%
Erath County	42.37%
Hamilton County	30.96%
Mills County	24.70%
State Average	27.07%
National Average	22.43%

Source: Community Commons
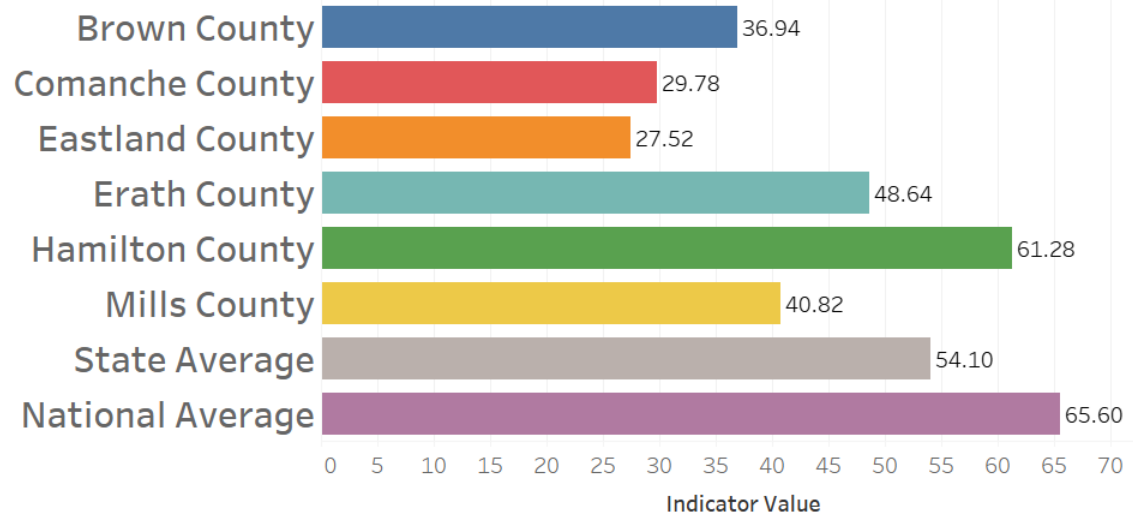
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Population Health Data: Food Insecurity

- 4 out of 6 counties have higher food insecurity rates than the state average.

- The data shows a need for greater food access and security in the CCMC community.

Food Insecurity Rate

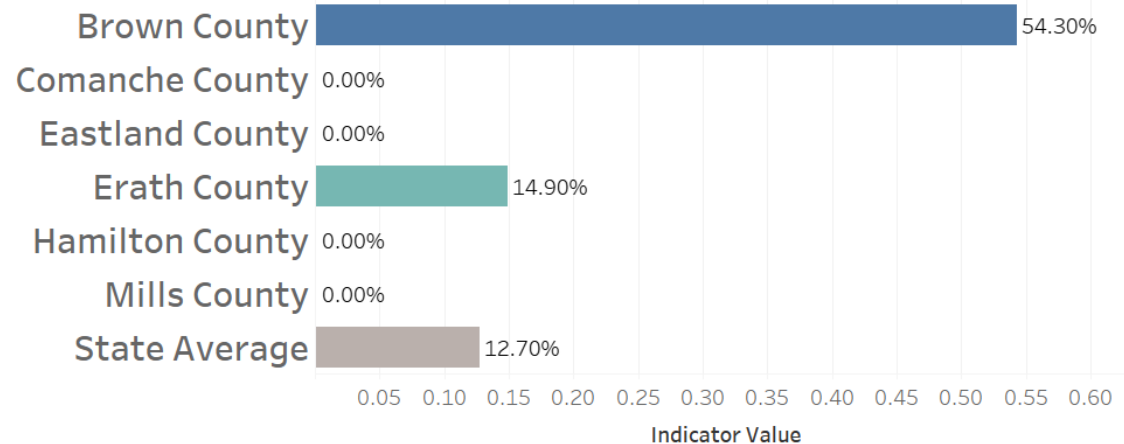| County	Indicator Value
Brown County	15.80%
Comanche County	14.60%
Eastland County	17.00%
Erath County	17.70%
Hamilton County	16.40%
Mills County	14.20%
State Average	14.90%

Source: Community Commons
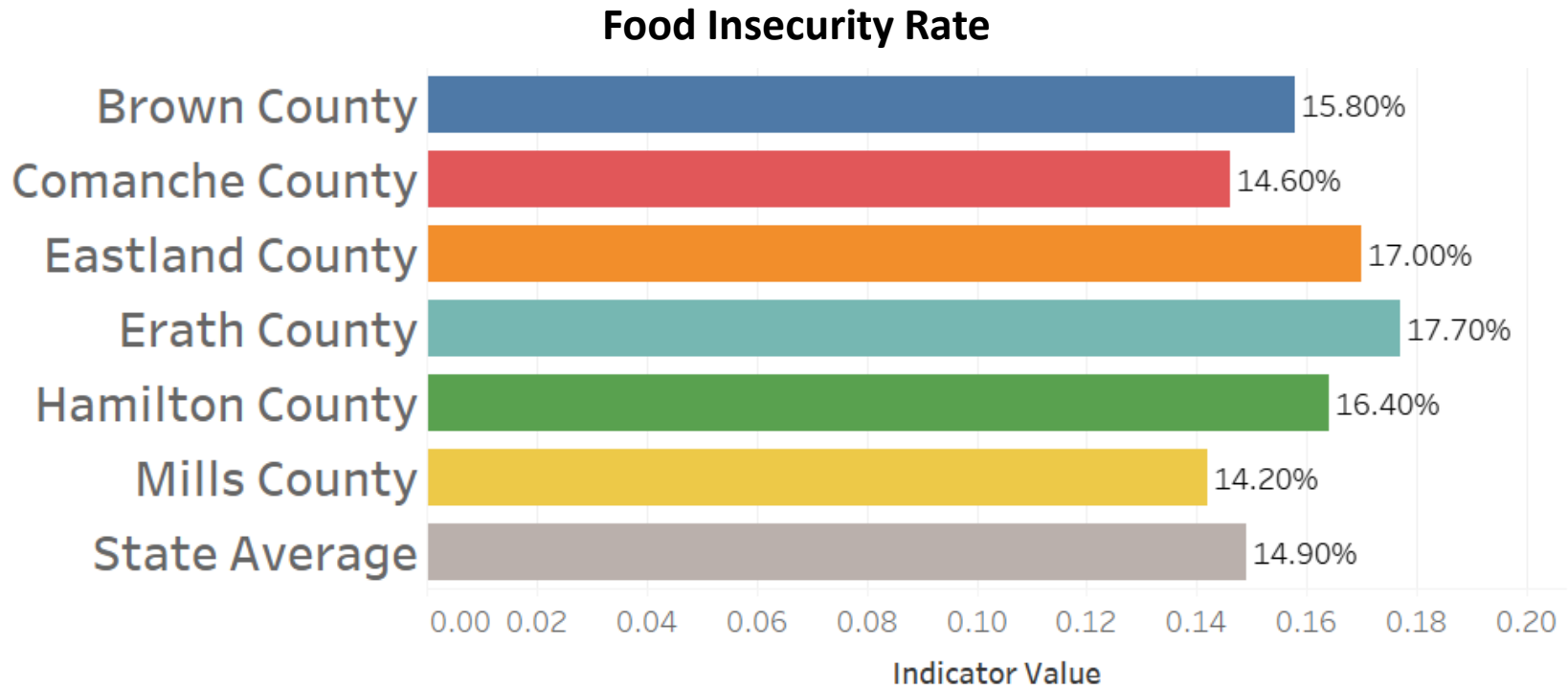
Population Health Data: Access to Dentists

- Access to dentists is lower than both national and state averages in all counties except Hamilton County.

- Only 2 counties (Brown, and Erath) measure the percentage of adult population with poor dental health, both are over the state average.

- Limited access to dentists is an issue in the CCMC community. The community would benefit from adding a free/low-cost dental clinic or adding a dentist.

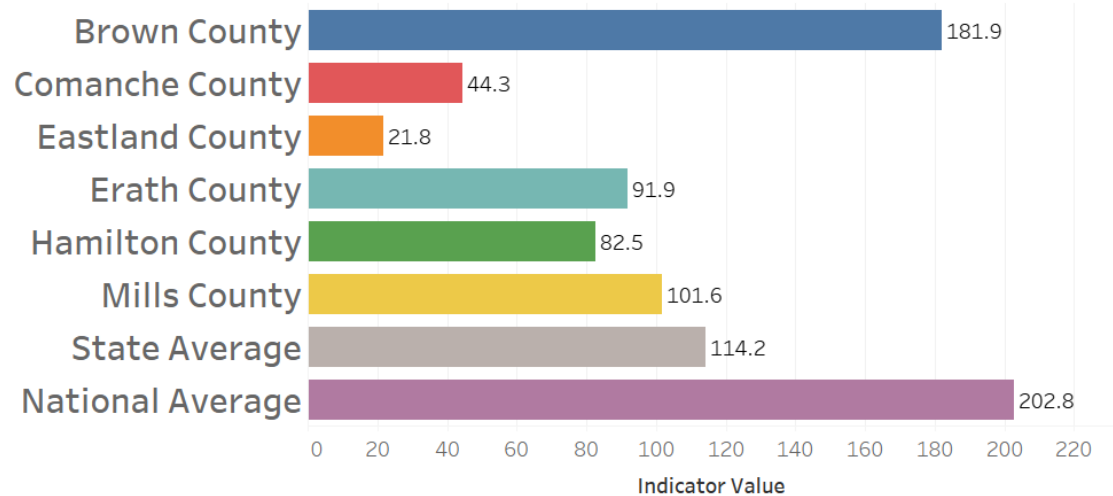## Access to Dentists, Rate per 100,000 Individuals

County	Indicator Value
Brown County	36.94
Comanche County	29.78
Eastland County	27.52
Erath County	48.64
Hamilton County	61.28
Mills County	40.82
State Average	54.10
National Average	65.60

Percentage of Adult Population with Poor Dental Health

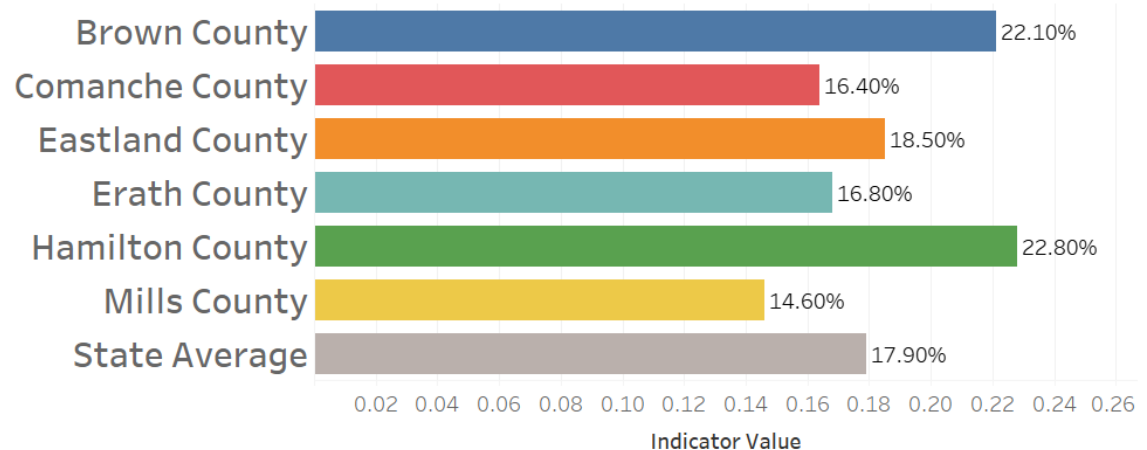| County	Indicator Value
Brown County	54.30%
Comanche County	0.00%
Eastland County	0.00%
Erath County	14.90%
Hamilton County	0.00%
Mills County	0.00%
State Average	12.70%

Source: Community Commons

Population Health Data: Access to Mental Health Providers

- The rate of mental health care providers available in the 6 counties is considerably lower than the national average and lower than the state average in all counties but Brown County.

- Comanche County has the second lowest mental health care provider rate out of the 6 county service area.

- Depression within the Medicare population is higher than the state average in 3 counties.

- There is inconclusive data for all counties on alcohol consumption.

- The data exemplifies a need in the CCMC community for increased access to mental health providers.

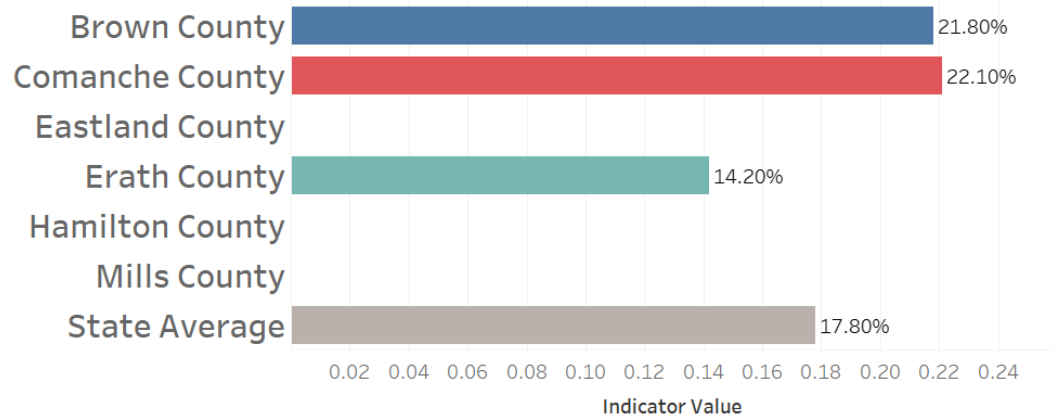## Mental Health Care Provider Rate per 100,000 Individuals

County	Indicator Value
Brown County	181.9
Comanche County	44.3
Eastland County	21.8
Erath County	91.9
Hamilton County	82.5
Mills County	101.6
State Average	114.2
National Average	202.8

Percentage of Medicare Population with Depression

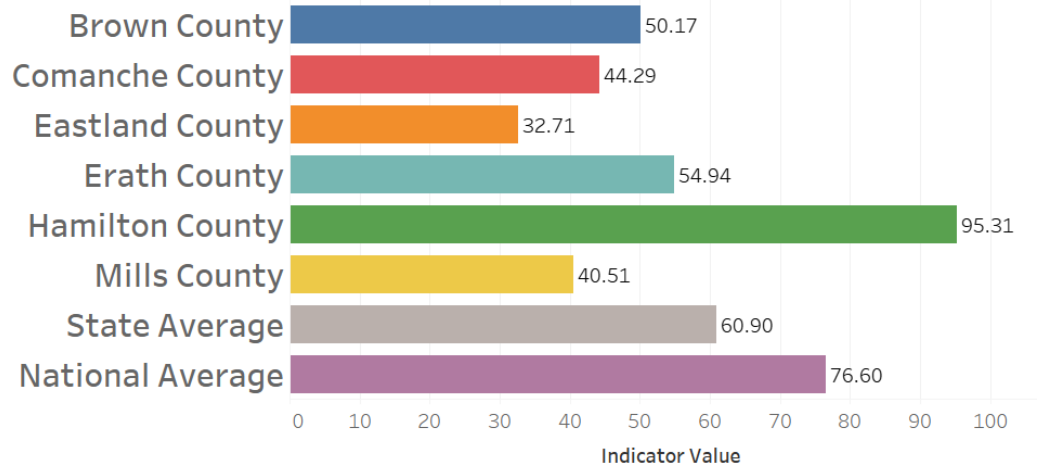| County	Indicator Value
Brown County	22.10%
Comanche County	16.40%
Eastland County	18.50%
Erath County	16.80%
Hamilton County	22.80%
Mills County	14.60%
State Average	17.90%

Source: Community Commons

Population Health Data: Access to Primary Care

- As of 2017, the most recent year of data available, the number of primary care providers in all counties, with the exception of Hamilton, fall below both state and national averages. There is a shortage of primary care providers in the CCMC community.

- Those counties that did report the percentage of adults with fair or poor health showed percentages above the state average.

- The data suggests a need for increased access to primary care. Increasing access to primary care could improve the overall health of the community and have a significant effect on other health outcomes including obesity, high cholesterol, and other factors contributing to chronic illnesses.

**Age-Adjusted Percentage of Adults with Fair or Poor Health**

County	Value
Brown County	21.80%
Comanche County	22.10%
Eastland County	
Erath County	14.20%
Hamilton County	
Mills County	
State Average	17.80%

Indicator Value

Primary Care Physicians, Rate per 100,000 Individuals

County	Value
Brown County	50.17
Comanche County	44.29
Eastland County	32.71
Erath County	54.94
Hamilton County	95.31
Mills County	40.51
State Average	60.90
National Average	76.60

Indicator Value
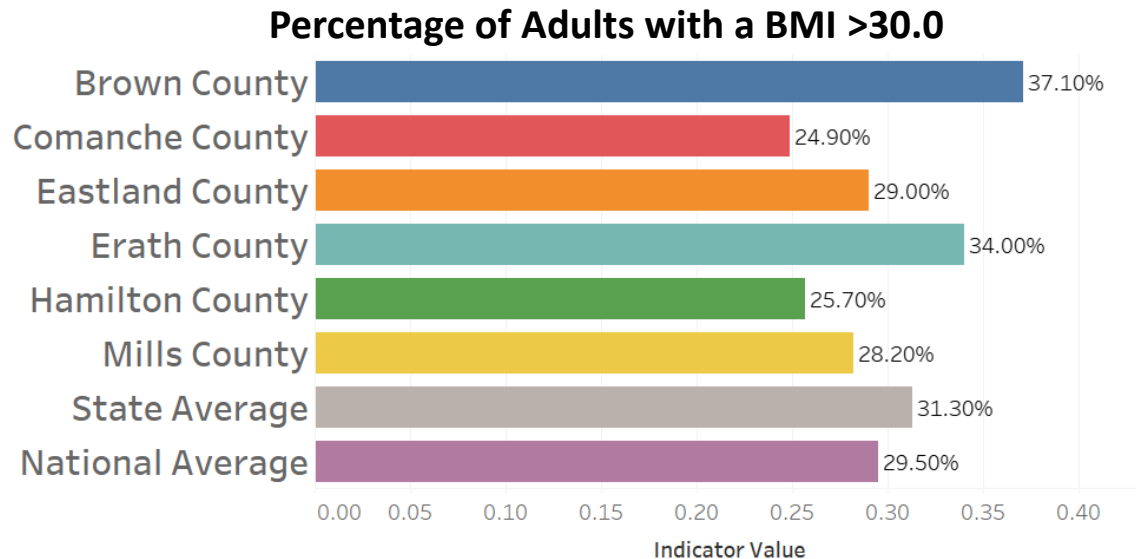
Source: Community Commons

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Population Health Data: Obesity and High Cholesterol

- 3 out of 4 counties reported a higher percentage of adults with high cholesterol than the Texas state average; Comanche County is below the state average.
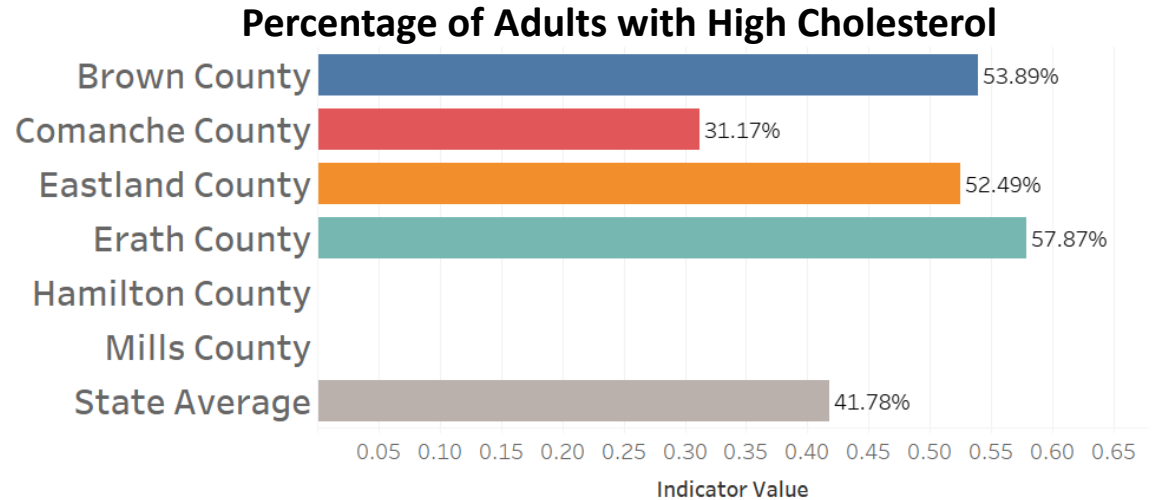
- Only 2 counties, Brown and Erath, have a higher percentage of adults with a body mass index over 30.0, than state or national averages.

Percentage of Adults with High Cholesterol

County	Value
Brown County	53.89%
Comanche County	31.17%
Eastland County	52.49%
Erath County	57.87%
Hamilton County	
Mills County	
State Average	41.78%

Indicator Value

Percentage of Adults with a BMI >30.0

County	Value
Brown County	37.10%
Comanche County	24.90%
Eastland County	29.00%
Erath County	34.00%
Hamilton County	25.70%
Mills County	28.20%
State Average	31.30%
National Average	29.50%

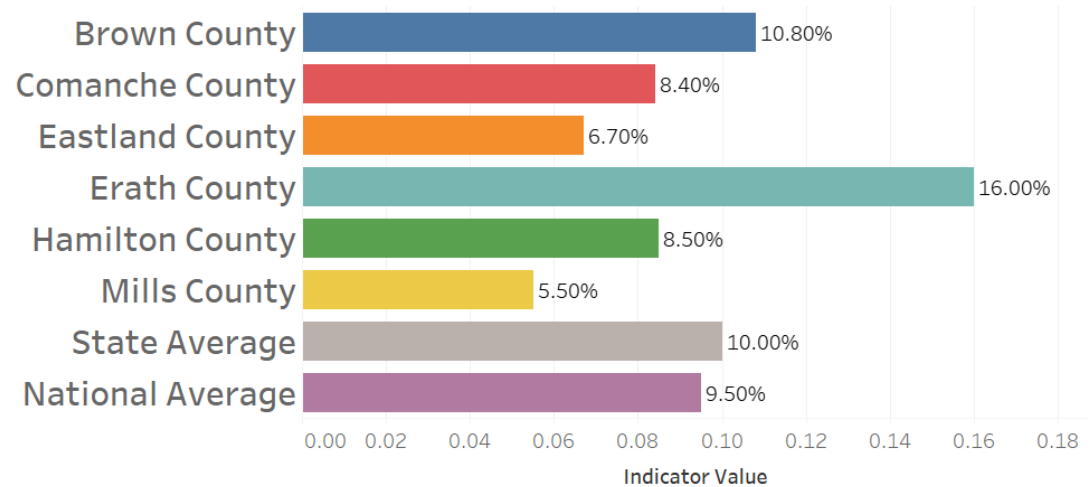Indicator Value
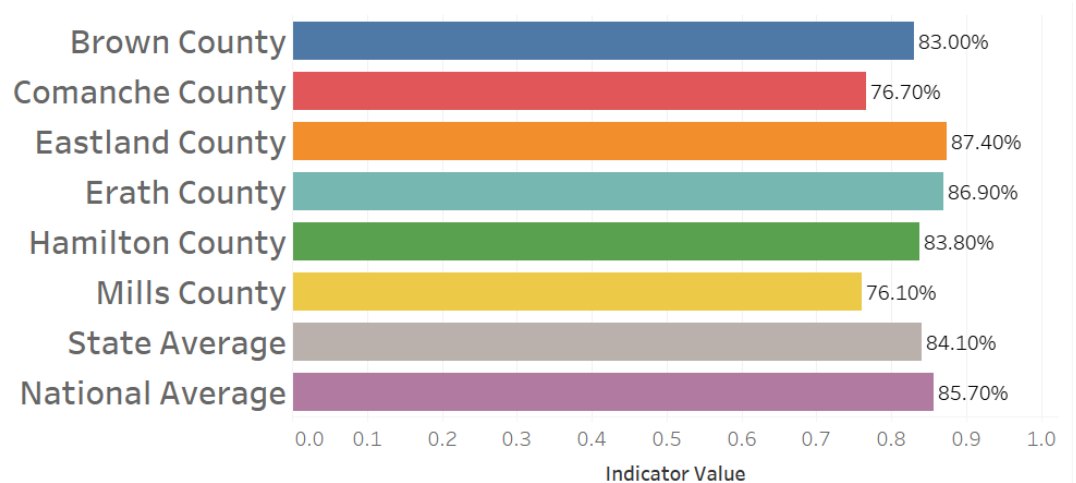
Source: Community Commons

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Population Health Data: Diabetes

- The CCMC community has lower incidence of diabetes, with only two counties above the state and national average.

- The percentage of Medicare enrollees with diabetes who get an annual exam is below state and national averages in 4 counties.

- Overall, the CCMC community has a lower incidence of diagnosed diabetes. Individuals with diabetes in the Medicare population have rates in line with the state and national averages for annual exams.
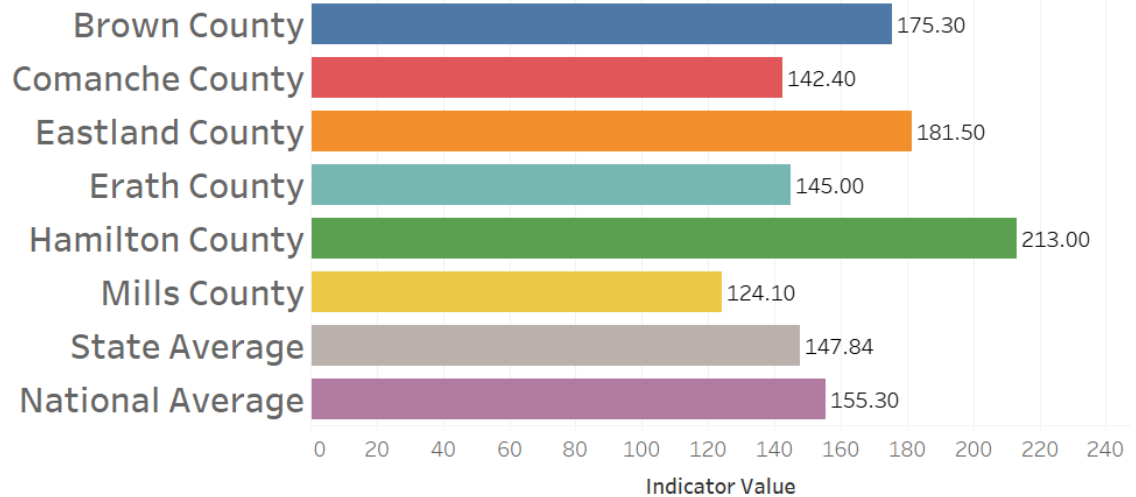
Age-Adjusted Adults with Diagnosed Diabetes

County	Indicator Value
Brown County	10.80%
Comanche County	8.40%
Eastland County	6.70%
Erath County	16.00%
Hamilton County	8.50%
Mills County	5.50%
State Average	10.00%
National Average	9.50%

Percentage of Medicare Enrollees with Diabetes with Annual Exam

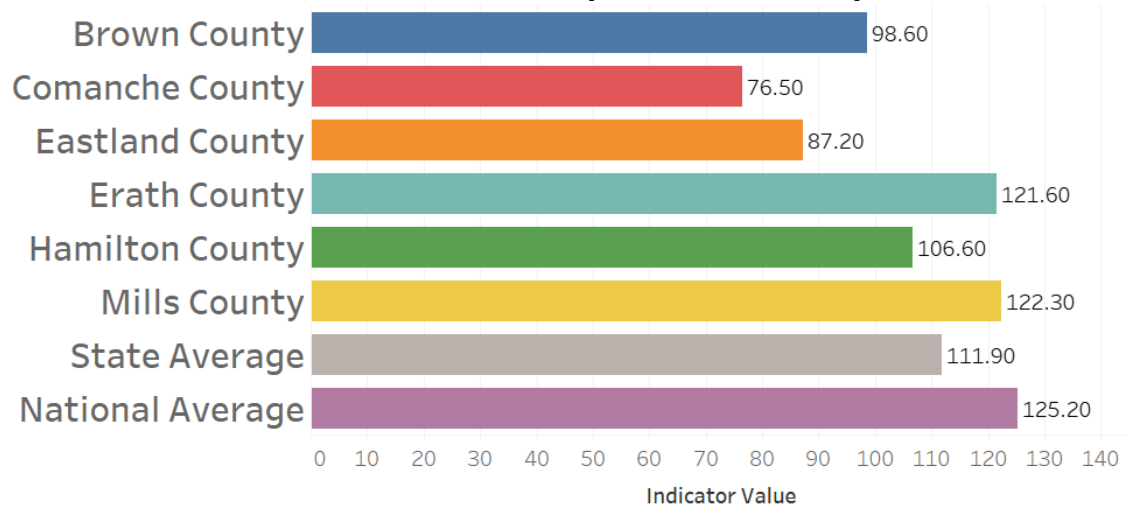| County	Indicator Value
Brown County	83.00%
Comanche County	76.70%
Eastland County	87.40%
Erath County	86.90%
Hamilton County	83.80%
Mills County	76.10%
State Average	84.10%
National Average	85.70%

Source: Community Commons

Population Health Data: Cancer Incidence & Mortality Rates

- 3 counties in the CCMC community Brown, Eastland, and Hamilton have a cancer mortality rate that is above state and national averages.

- 2 counties in the CCMC community, Erath and Mills, have a higher cancer incidence rate than the state average but fall beneath national averages.

- Brown, Eastland, and Hamilton counties have low incidence of cancer, but high death rates from cancer. Increased screenings and access to cancer care is a need in these areas to identify what is influencing these rates.

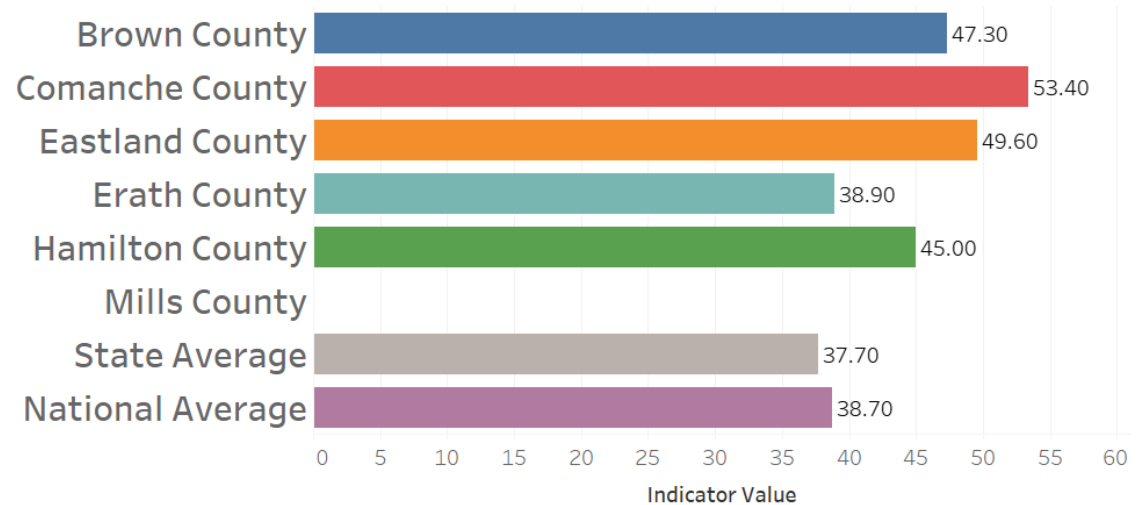**Age-Adjusted Cancer Mortality Rate per 100,000 Population**

County	Indicator Value
Brown County	175.30
Comanche County	142.40
Eastland County	181.50
Erath County	145.00
Hamilton County	213.00
Mills County	124.10
State Average	147.84
National Average	155.30

Cancer Incidence Rate per 100,000 Population

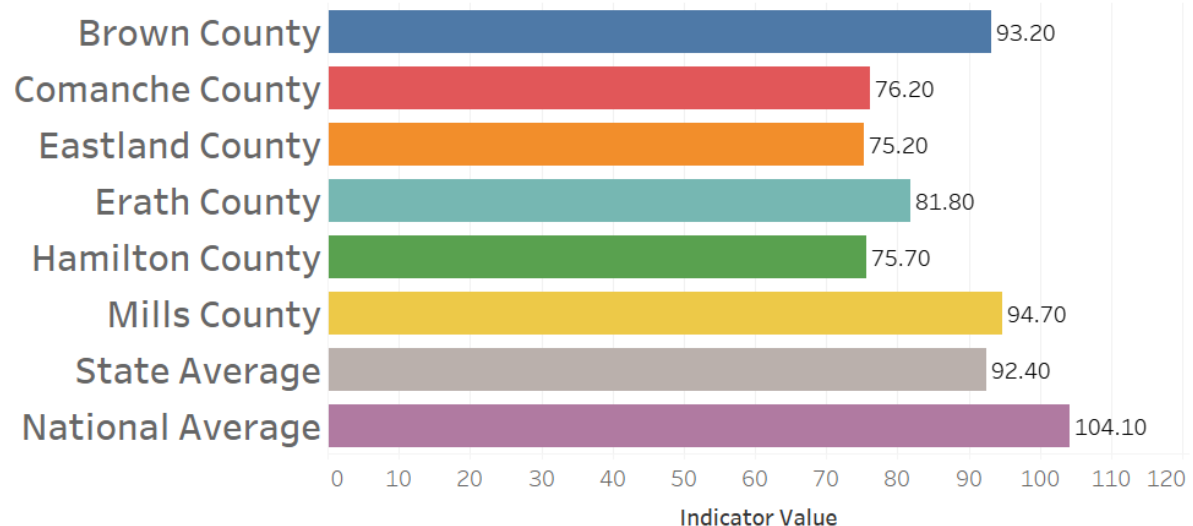| County	Indicator Value
Brown County	98.60
Comanche County	76.50
Eastland County	87.20
Erath County	121.60
Hamilton County	106.60
Mills County	122.30
State Average	111.90
National Average	125.20

Source: Community Commons

Population Health Data: Colon, Rectum and Prostate Cancer

- Incidence of colon and rectum cancer is above both state and national averages in all counties in the CCMC community that reported data.

- Only 2 counties, Brown and Mills, reported a higher incidence rate of prostate cancer than the state. All counties were below the national prostate cancer incidence rate.

- The high incidence of colon and rectum cancer signals a need for increased screenings.

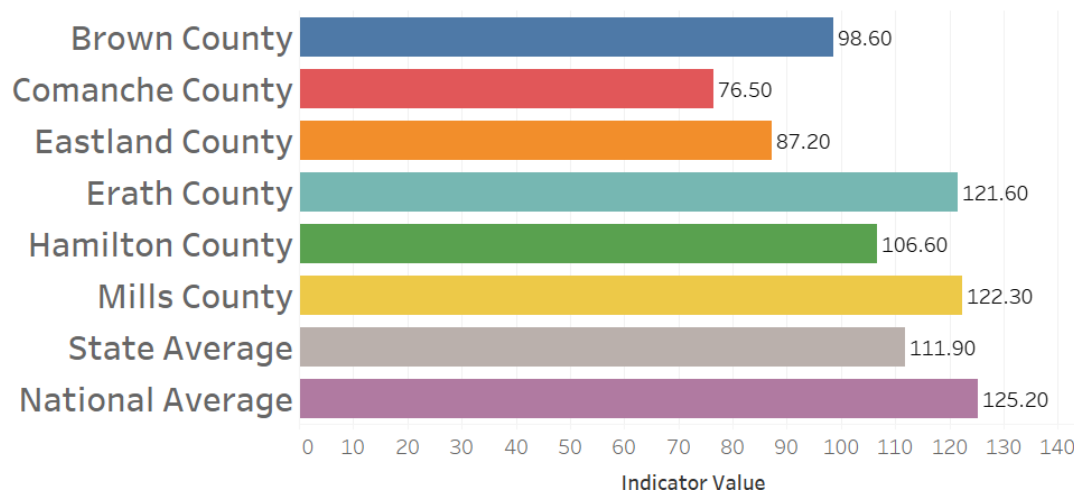**Colon and Rectum Cancer Incidence Rate**

County	Indicator Value
Brown County	47.30
Comanche County	53.40
Eastland County	49.60
Erath County	38.90
Hamilton County	45.00
Mills County	
State Average	37.70
National Average	38.70

Prostate Cancer Incidence Rate

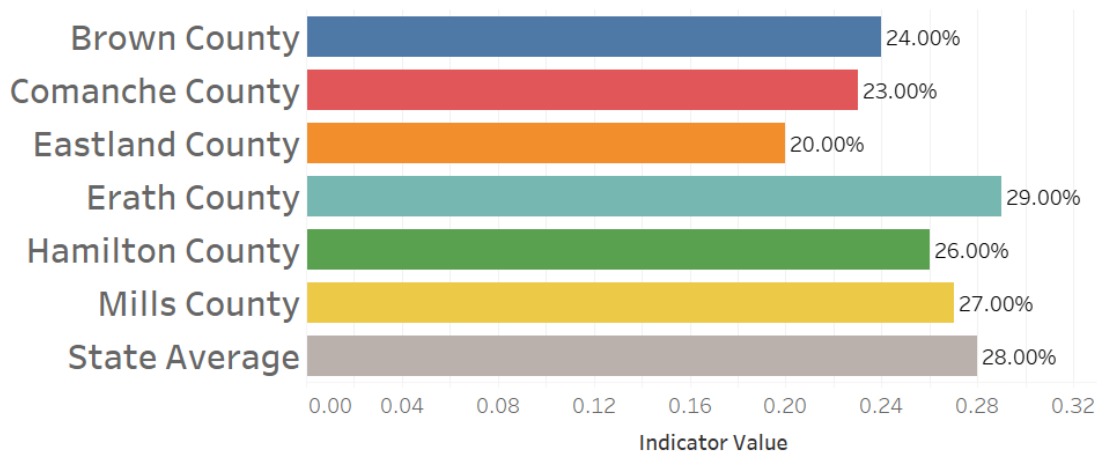| County	Indicator Value
Brown County	93.20
Comanche County	76.20
Eastland County	75.20
Erath County	81.80
Hamilton County	75.70
Mills County	94.70
State Average	92.40
National Average	104.10

Source: Community Commons

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Population Health Data: Breast Cancer

- All counties in the CCMC community have a lower breast cancer incidence rate than the national average. Only Erath and Mills county have a higher incidence rate than the Texas state average.

- Mammogram cancer screening rates are below the Texas state average in all counties except Erath.

- There is a strong need in the CCMC community to increase mammogram screenings. Low screening rates could indicate that there are many breast cancer cases going unreported leading to lower incidence rates in counties and undiagnosed breast cancers.
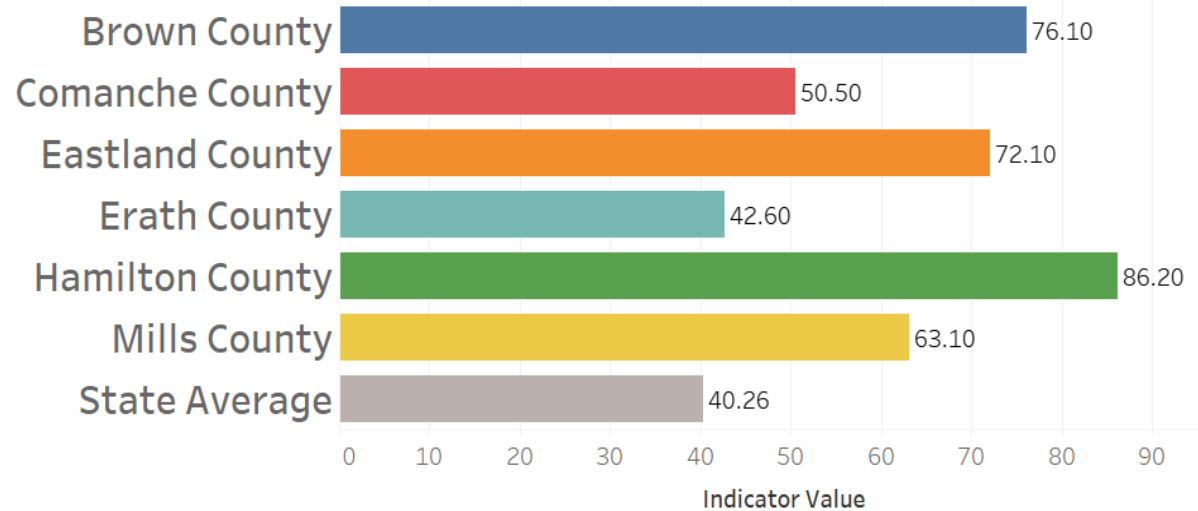
Breast Cancer Incidence Rate per 100,000 Population

County	Indicator Value
Brown County	98.60
Comanche County	76.50
Eastland County	87.20
Erath County	121.60
Hamilton County	106.60
Mills County	122.30
State Average	111.90
National Average	125.20

Females with Recent Mammogram Cancer Screening

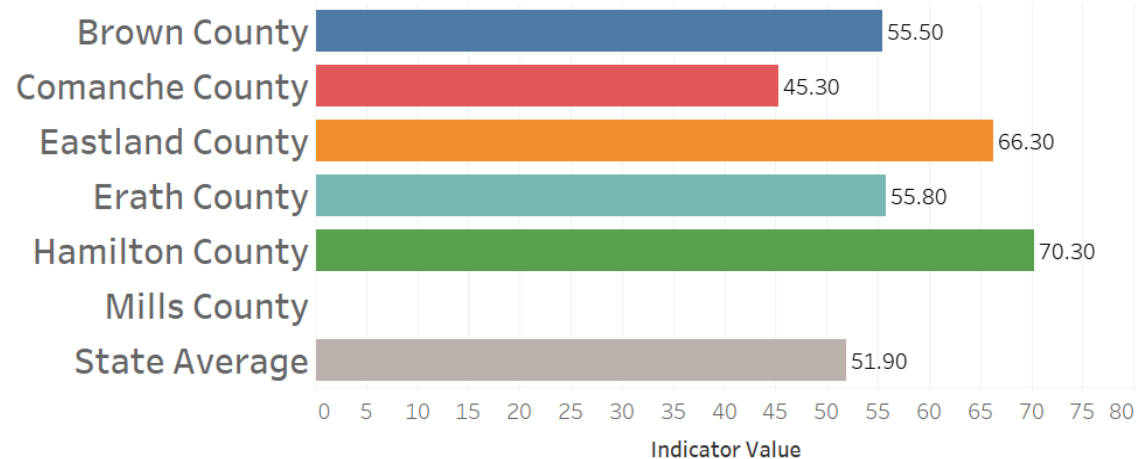| County	Indicator Value
Brown County	24.00%
Comanche County	23.00%
Eastland County	20.00%
Erath County	29.00%
Hamilton County	26.00%
Mills County	27.00%
State Average	28.00%

Source: Community Commons

Population Health Data: Lung Cancer/Lung Disease

- All counties have a lung disease incidence rate above the Texas state average, with Hamilton County more than double the state average.

- With the exception of Comanche and Mills counties, all other counties have a lung cancer incidence rate that is above the Texas state average.

- The high incidence rate of both lung disease and lung cancer indicate a need for increased screening, smoking cessation programs, and robust inpatient and outpatient pulmonary services.

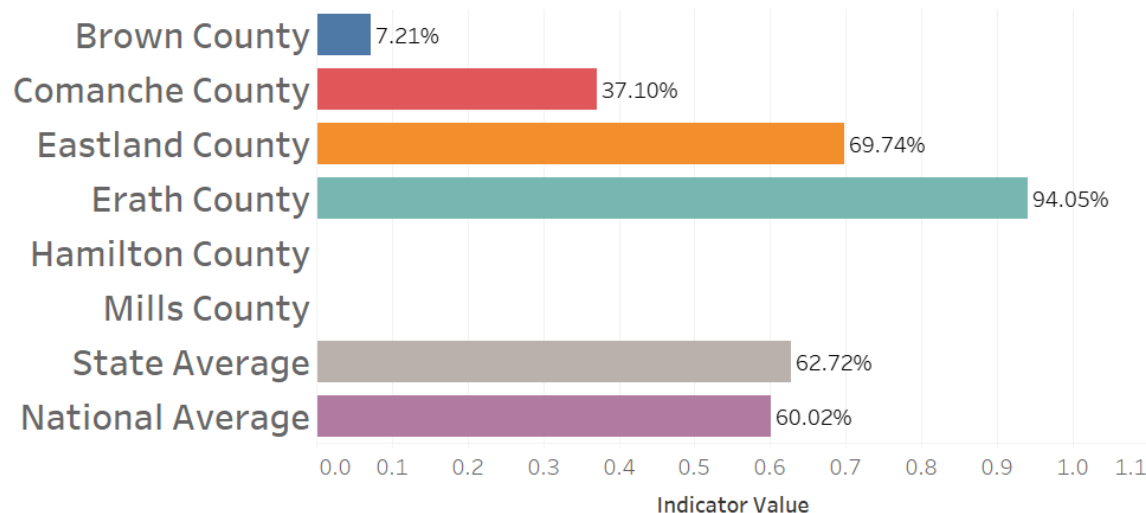**Lung Disease Incidence Rate per 100,000 Population**

County	Indicator Value
Brown County	76.10
Comanche County	50.50
Eastland County	72.10
Erath County	42.60
Hamilton County	86.20
Mills County	63.10
State Average	40.26

Lung Cancer Incidence Rate per 100,000 Population

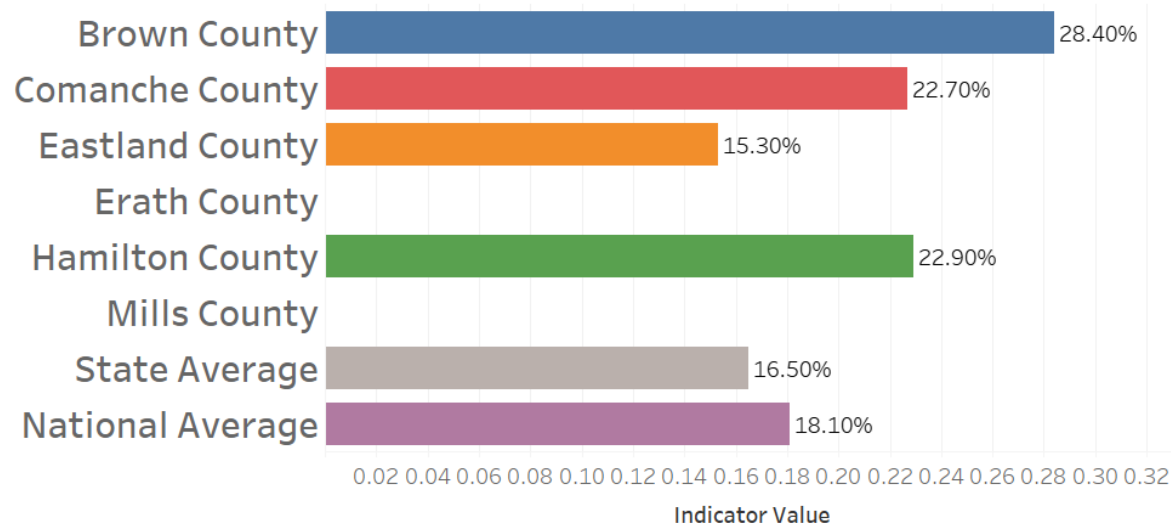| County	Indicator Value
Brown County	55.50
Comanche County	45.30
Eastland County	66.30
Erath County	55.80
Hamilton County	70.30
Mills County	
State Average	51.90

Source: Community Commons

Population Health Data: Tobacco Usage

- High rates of lung cancer and lung disease can be attributed to high tobacco use.

- Brown, Comanche, and Hamilton County have a higher percentage of smokers than state and national averages.

- Brown and Comanche County have low rates of quit attempts coupled with a high percentage of current smokers. Hamilton has a high rate of current smokers but no data on quit attempts.

- Tobacco cessation programs are a need for the CCMC community to help reduce lung cancer and lung disease incidence.
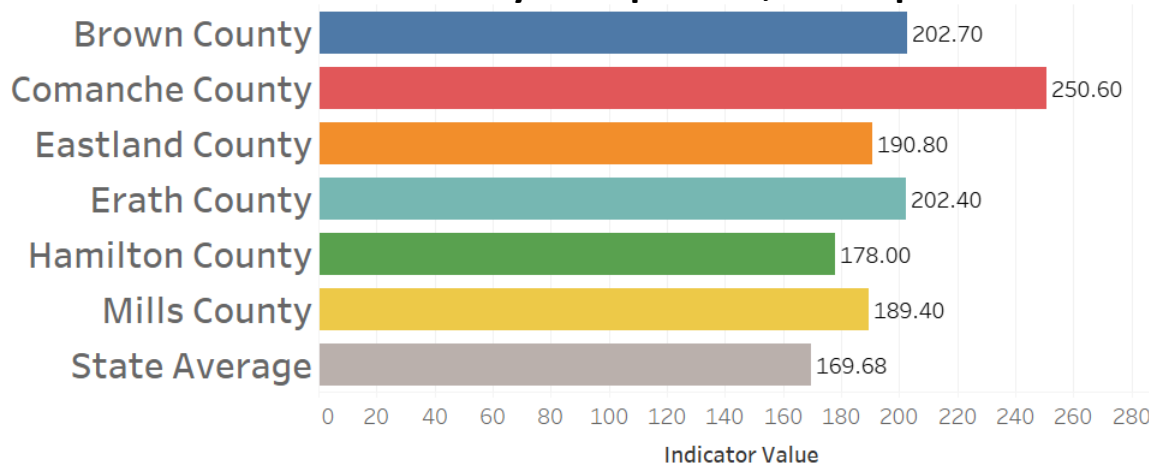
Tobacco Usage – Quit Attempt

County	Indicator Value
Brown County	7.21%
Comanche County	37.10%
Eastland County	69.74%
Erath County	94.05%
Hamilton County	
Mills County	
State Average	62.72%
National Average	60.02%

Percentage of Population Smoking Cigarettes

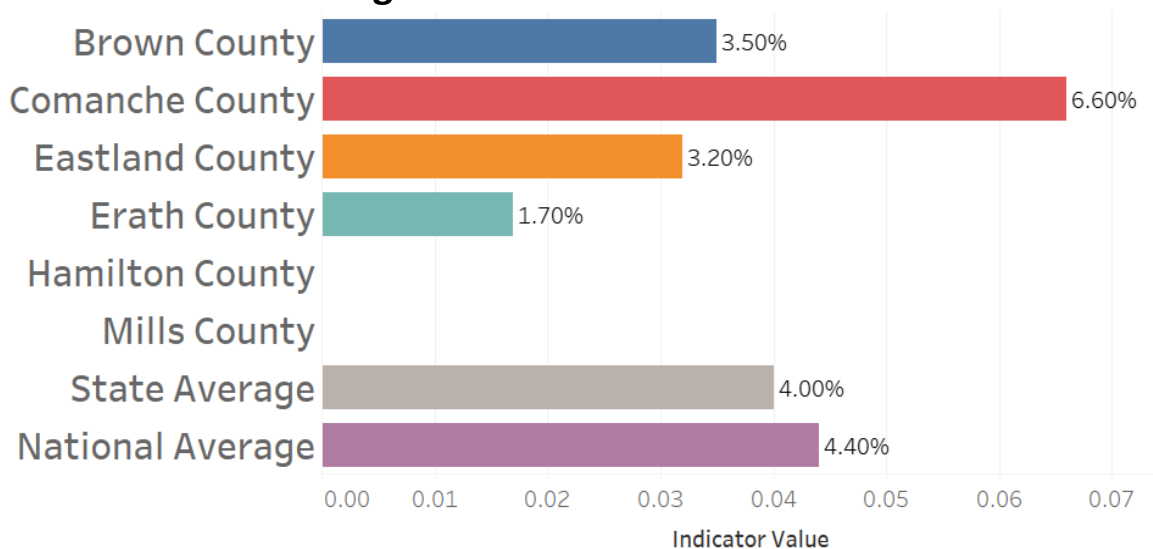| County	Indicator Value
Brown County	28.40%
Comanche County	22.70%
Eastland County	15.30%
Erath County	
Hamilton County	22.90%
Mills County	
State Average	16.50%
National Average	18.10%

Source: Community Commons

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Population Health Data: Heart Disease

- The CCMC community has a much higher-than-state-average heart disease mortality rate.

- 3 counties have low percentages of adults with heart disease.

- Comanche County has the highest percentage of adults with heart disease per county (6.6%), and the highest heart disease mortality rates.

- Management and prevention of heart disease is needed for the CCMC community and Comanche County specifically.
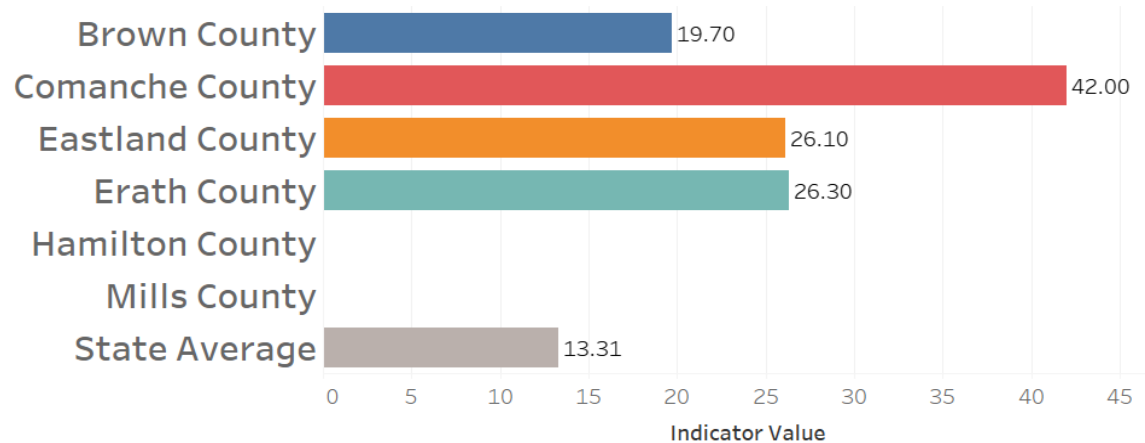
Heart Disease Mortality Rate per 100,000 Population

County	Indicator Value
Brown County	202.70
Comanche County	250.60
Eastland County	190.80
Erath County	202.40
Hamilton County	178.00
Mills County	189.40
State Average	169.68

Percentage of Adults with Heart Disease

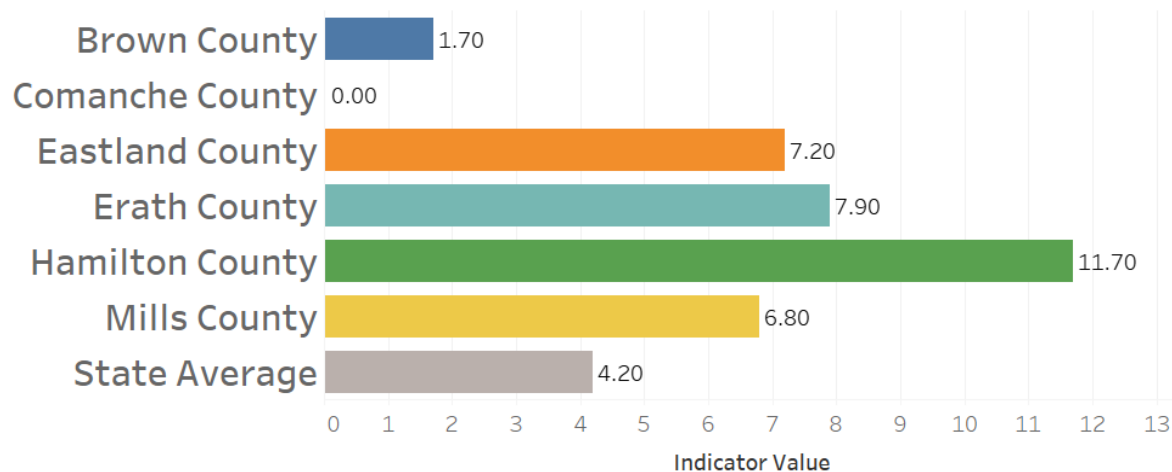| County	Indicator Value
Brown County	3.50%
Comanche County	6.60%
Eastland County	3.20%
Erath County	1.70%
Hamilton County	
Mills County	
State Average	4.00%
National Average	4.40%

Source: Community Commons

Population Health Data: Motor Vehicle Crash Mortality

- There is an extremely high motor vehicle mortality rate in the CCMC community. Eastland and Erath counties have more than double the state average, with Comanche County more than triple.

- Pedestrian motor vehicle crash mortality rates are also above state average in four counties, with Hamilton more than double the state average.

- No counties submitted alcohol consumption rates, which could be a cause of these high mortality rates. CCMC and other stakeholders consider should further examining what is causing these extreme mortality rates. Take time to develop solutions to reduce the loss of life from more vehicle accidents.

Motor Vehicle Crash Mortality Rate per 100,000 Population

County	Indicator Value
Brown County	19.70
Comanche County	42.00
Eastland County	26.10
Erath County	26.30
Hamilton County	
Mills County	
State Average	13.31

Pedestrian Motor Vehicle Crash Mortality Rate per 100,000 Population

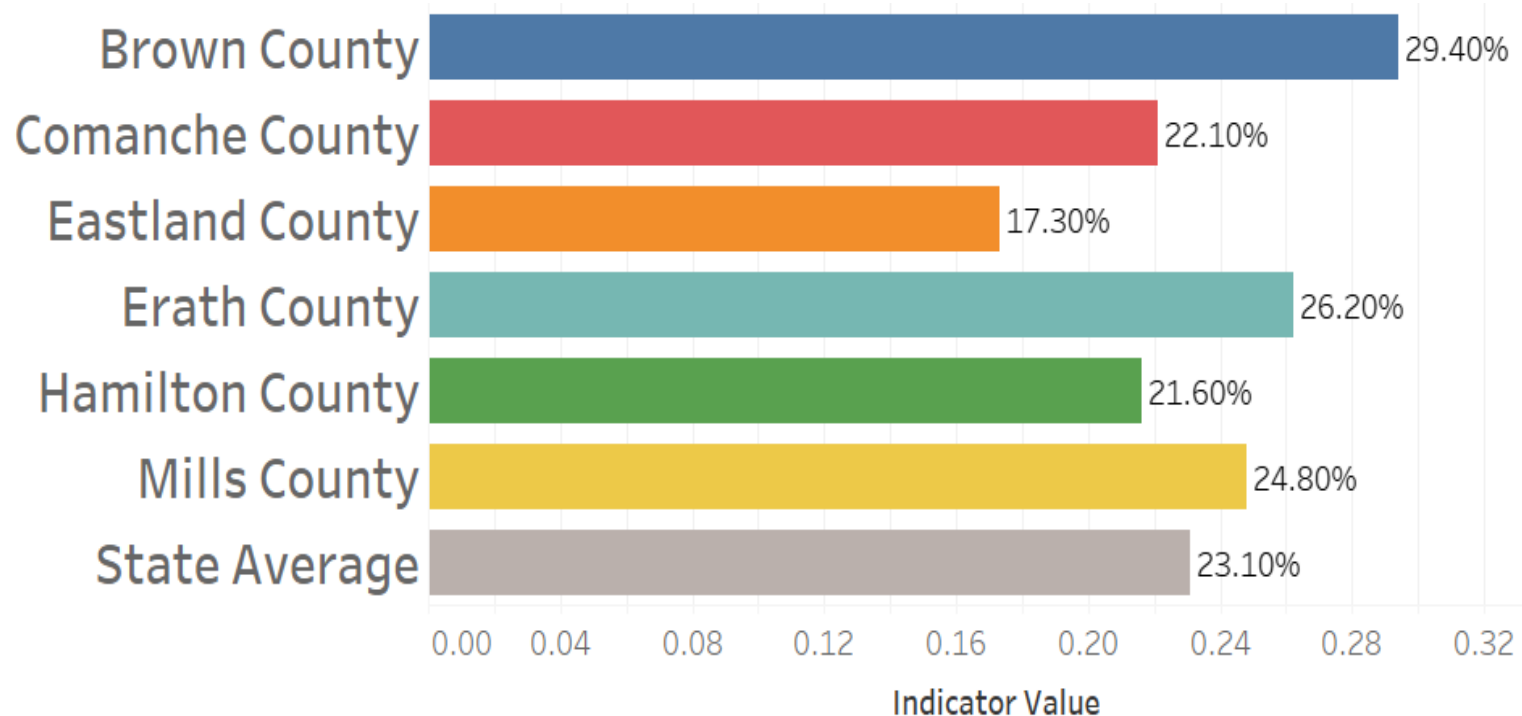| County	Indicator Value
Brown County	1.70
Comanche County	0.00
Eastland County	7.20
Erath County	7.90
Hamilton County	11.70
Mills County	6.80
State Average	4.20

Source: Community Commons

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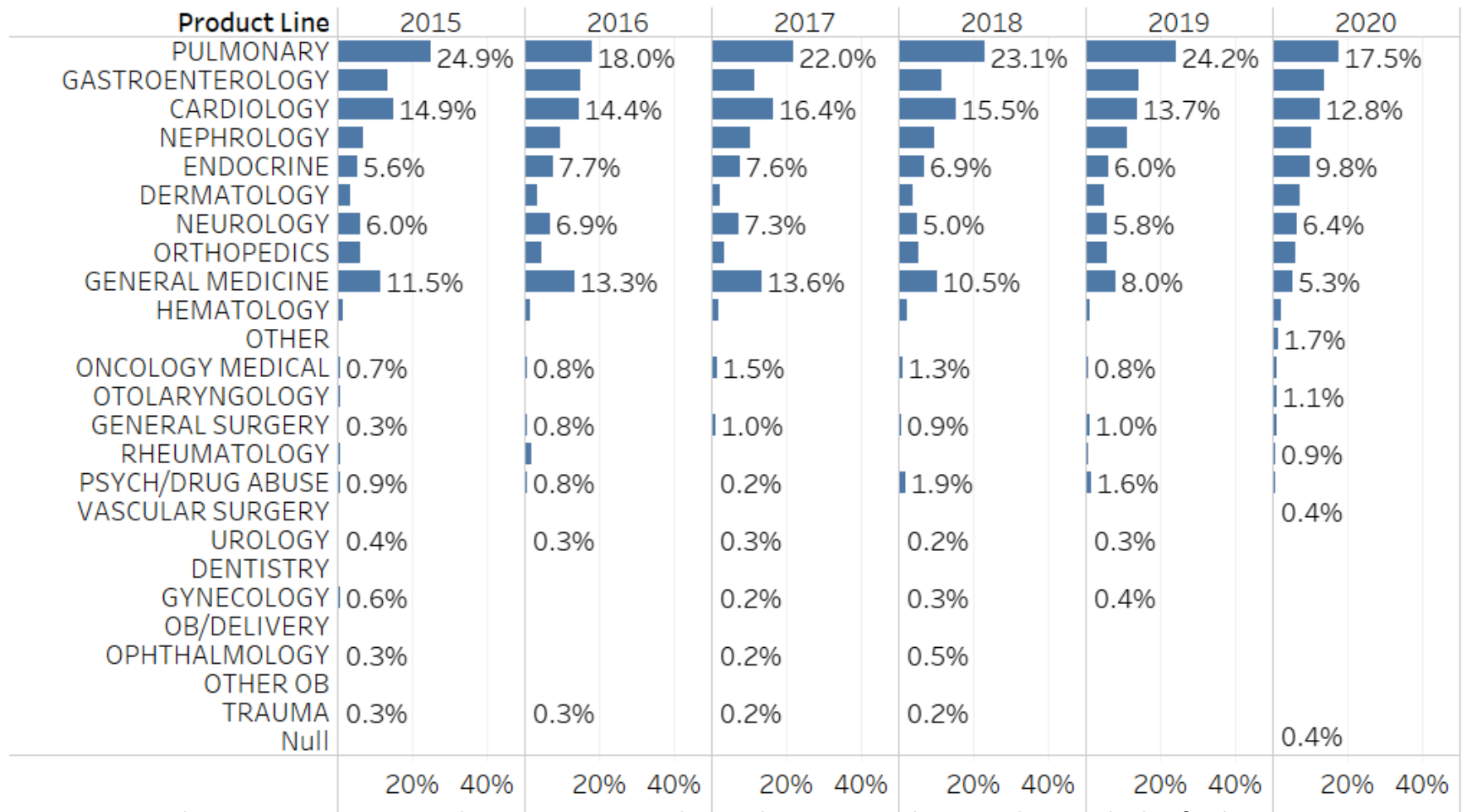# Population Health Data: Physical Activity

- 3 out of 6 counties have a higher percentage than the state average of adults with no physical activity.

- This indicator is self-reported based on the question: "During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?"

Percentage of Adults with No Physical Activity

County	Indicator Value
Brown County	29.40%
Comanche County	22.10%
Eastland County	17.30%
Erath County	26.20%
Hamilton County	21.60%
Mills County	24.80%
State Average	23.10%

Indicator Value

Source: Community Commons

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Population Health Data: Inpatient Services at CCMC

Percentage of patients using inpatient product lines at CCMC by year.

Product Line	2015	2016	2017	2018	2019	2020
PULMONARY	24.9%	18.0%	22.0%	23.1%	24.2%	17.5%
GASTROENTEROLOGY						
CARDIOLOGY	14.9%	14.4%	16.4%	15.5%	13.7%	12.8%
NEPHROLOGY						
ENDOCRINE	5.6%	7.7%	7.6%	6.9%	6.0%	9.8%
DERMATOLOGY						
NEUROLOGY	6.0%	6.9%	7.3%	5.0%	5.8%	6.4%
ORTHOPEDICS						
GENERAL MEDICINE	11.5%	13.3%	13.6%	10.5%	8.0%	5.3%
HEMATOLOGY						
OTHER						1.7%
ONCOLOGY MEDICAL	0.7%	0.8%	1.5%	1.3%	0.8%	
OTOLARYNGOLOGY						1.1%
GENERAL SURGERY	0.3%	0.8%	1.0%	0.9%	1.0%	
RHEUMATOLOGY						0.9%
PSYCH/DRUG ABUSE	0.9%	0.8%	0.2%	1.9%	1.6%	
VASCULAR SURGERY						0.4%
UROLOGY	0.4%	0.3%	0.3%	0.2%	0.3%	
DENTISTRY						
GYNECOLOGY	0.6%		0.2%	0.3%	0.4%	
OB/DELIVERY						
OPHTHALMOLOGY	0.3%		0.2%	0.5%		
OTHER OB						
TRAUMA	0.3%	0.3%	0.2%	0.2%		
Null						0.4%

- Pulmonary services are the most commonly used at CCMC. This matches with the findings pertaining to high incidence of lung disease and lung cancer. Cardiology services are the second most use, which also correlates with heart disease incidence.
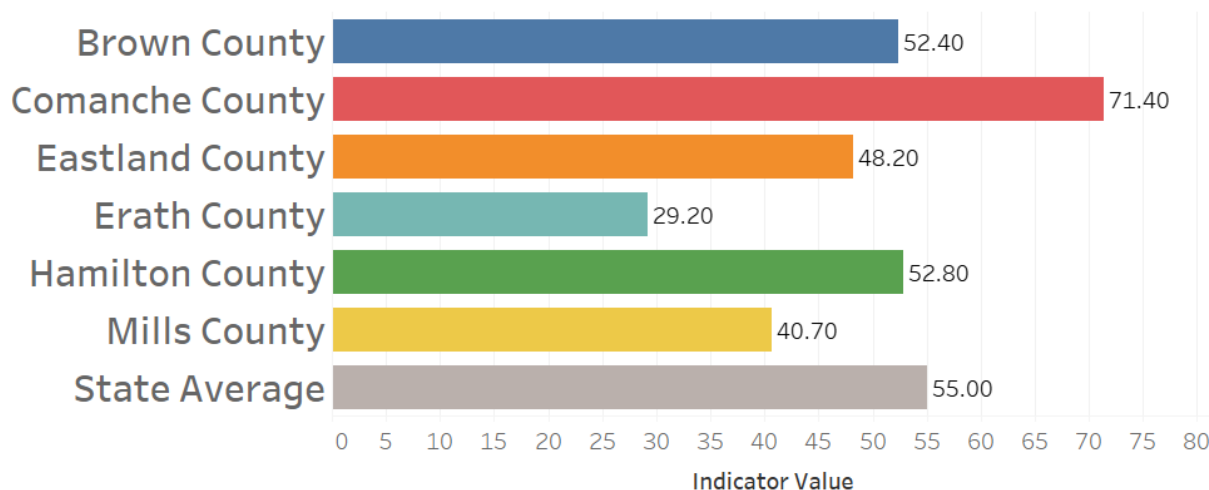
Source: CCMC Data
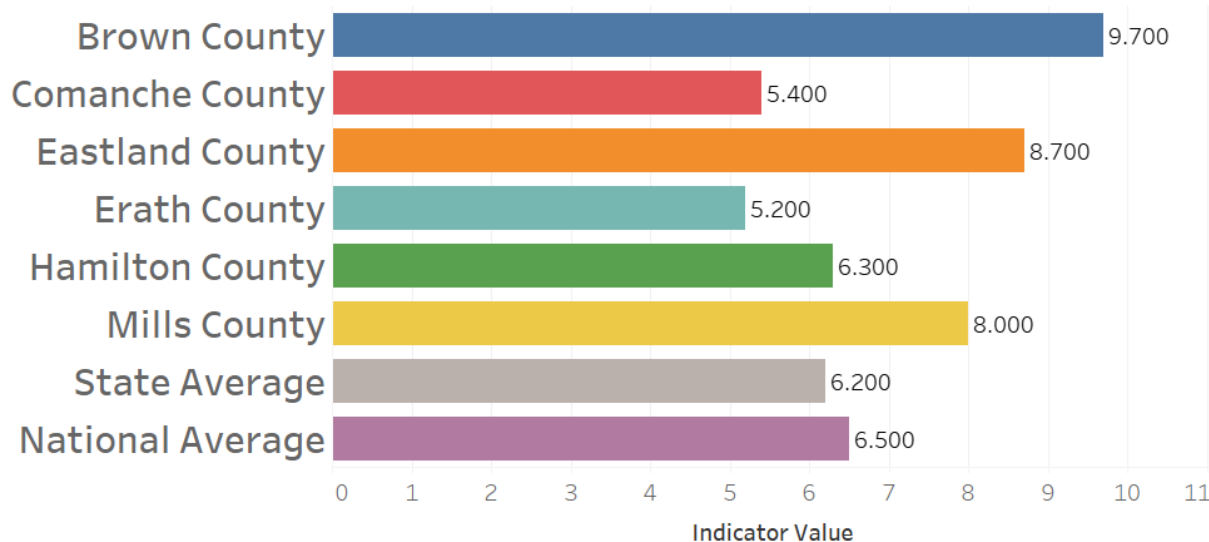
CHILD HEALTH

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Child Health: Infant Mortality
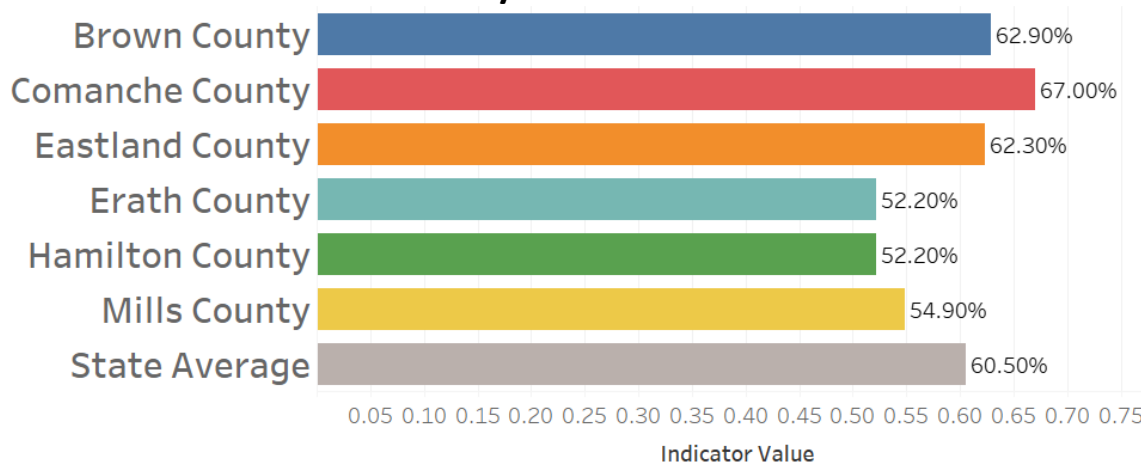
- Comanche County is the only county in the CCMC community that has teen birth rates over the state average.

- 4 out of 6 counties have higher than the state average infant mortality rates.

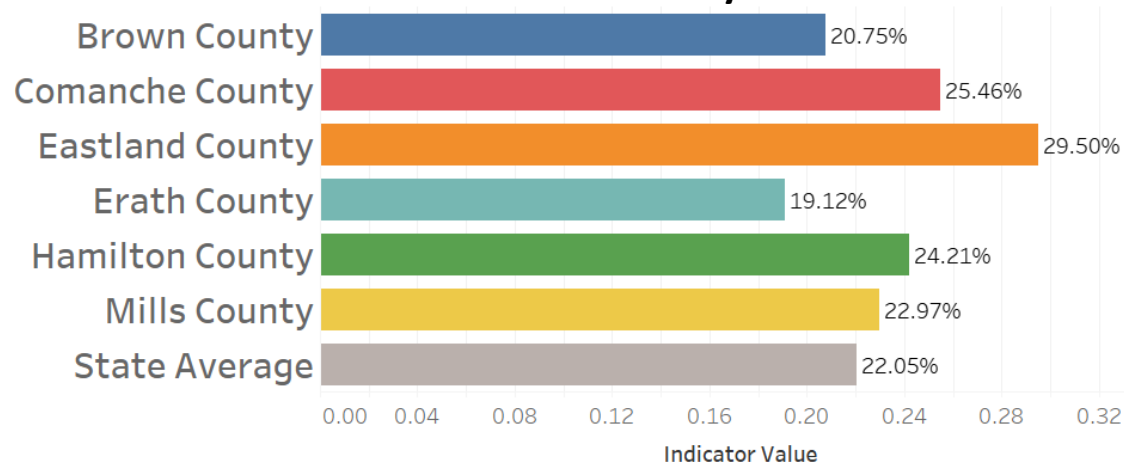- Education around family planning and women's health is needed in the CCMC community.

Teen Birth Rates per 1,000 Population

County	Indicator Value
Brown County	52.40
Comanche County	71.40
Eastland County	48.20
Erath County	29.20
Hamilton County	52.80
Mills County	40.70
State Average	55.00

Infant Mortality Rate per 1,000 Births

County	Indicator Value
Brown County	9.700
Comanche County	5.400
Eastland County	8.700
Erath County	5.200
Hamilton County	6.300
Mills County	8.000
State Average	6.200
National Average	6.500

Source: Community Commons

Child Health: Children in Poverty

- 3 counties have a higher percentage of children eligible for free/reduced price lunch than the state average.

- 4 out of 6 counties have a higher percentage of children below 100% of the federal poverty level.

Percentage of Children Eligible for Free/Reduced Price Lunch
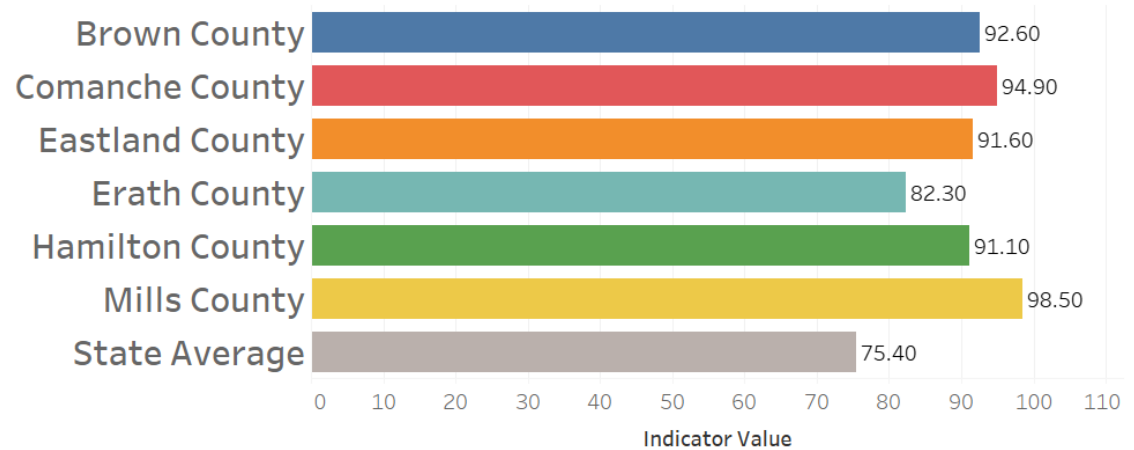
County	Indicator Value
Brown County	62.90%
Comanche County	67.00%
Eastland County	62.30%
Erath County	52.20%
Hamilton County	52.20%
Mills County	54.90%
State Average	60.50%

0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75
Indicator Value

Percent of Children Below 100% Federal Poverty Level

County	Indicator Value
Brown County	20.75%
Comanche County	25.46%
Eastland County	29.50%
Erath County	19.12%
Hamilton County	24.21%
Mills County	22.97%
State Average	22.05%

0.00 0.04 0.08 0.12 0.16 0.20 0.24 0.28 0.32
Indicator Value

Source: Community Commons

Child Health: Child Education

- All counties in the CCMC community have a higher than state average on time high school graduation rate.

- However, 3 counties are higher than the state average for number of students scoring below 'Not Proficient' reading level.

On Time High School Graduation Rate

County	Indicator Value
Brown County	92.60
Comanche County	94.90
Eastland County	91.60
Erath County	82.30
Hamilton County	91.10
Mills County	98.50
State Average	75.40

Percentage of Students Scoring Below 'Not Proficient' Reading Level

County	Indicator Value
Brown County	61.70%
Comanche County	54.50%
Eastland County	60.60%
Erath County	48.80%
Hamilton County	59.10%
Mills County	54.20%
State Average	54.90%

Source: Community Commons
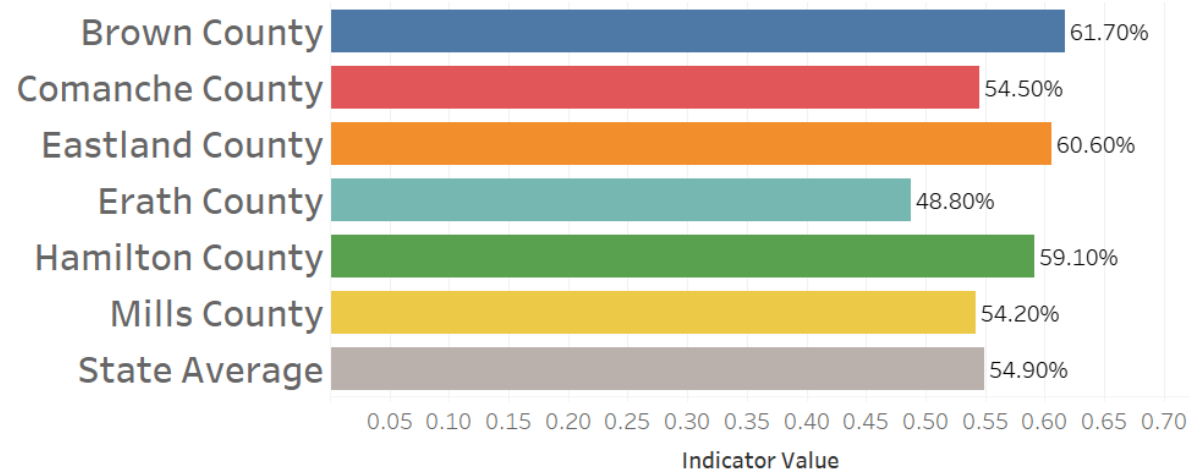
ISSUES AFFECTING HEALTHCARE ACCESS

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Issues Affecting Healthcare Access:
Housing

- 3 out of 6 counties have fewer assisted housing units than the state average.

- Only Erath County has a higher percentage of cost-burdened households than the state average.

Assisted Housing Units, Rate per 10,000 Housing Units

County	Indicator Value
Brown County	449.0
Comanche County	294.9
Eastland County	355.8
Erath County	141.9
Hamilton County	186.2
Mills County	126.5
State Average	277.3
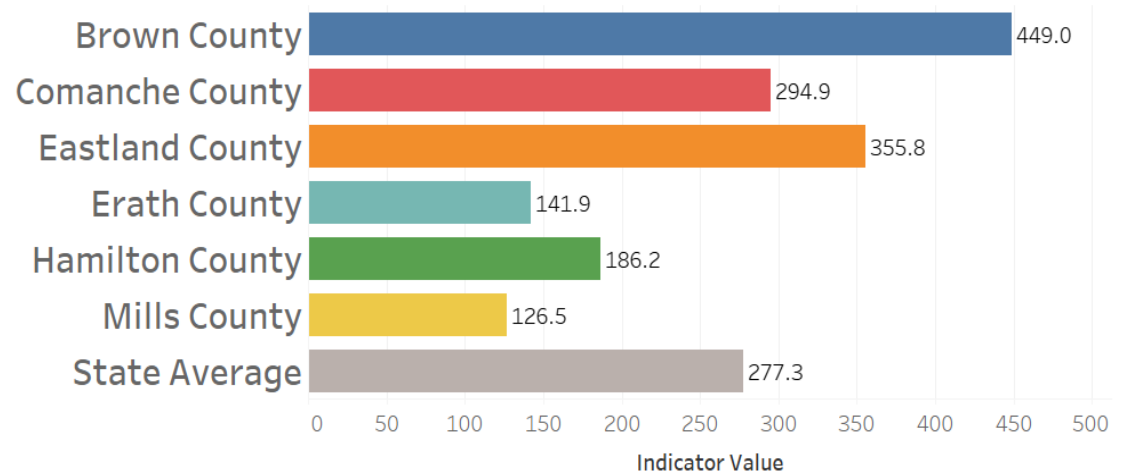
Cost Burdened Households Percentage (Housing Costs Exceed 30% of Income)

County	Indicator Value
Brown County	25.15%
Comanche County	19.56%
Eastland County	17.46%
Erath County	31.09%
Hamilton County	18.85%
Mills County	23.20%
State Average	29.66%

Source: Community Commons

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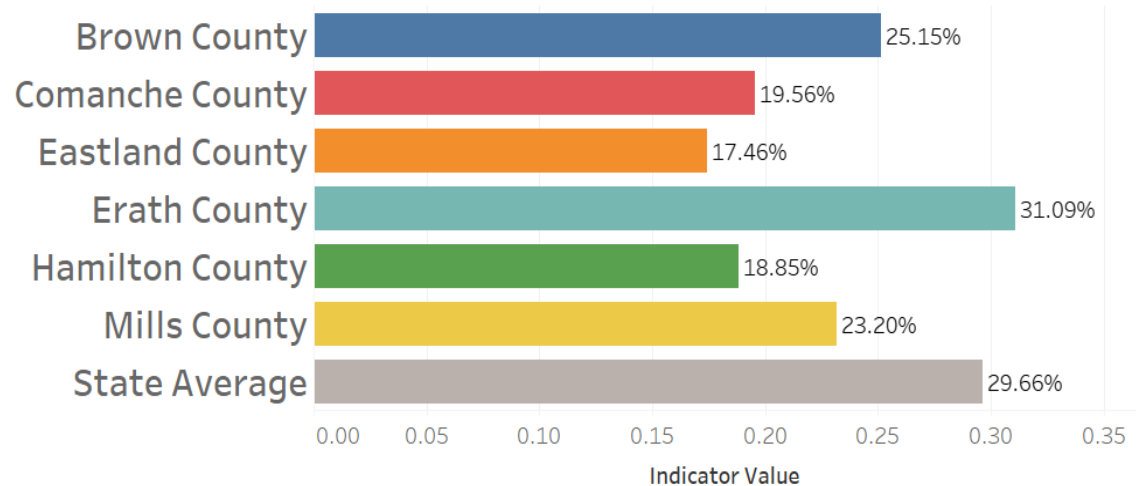
Issues Affecting Healthcare Access:
Transportation

- There is a lack of public transportation available in the CCMC community.
- A lack of public transportation affects access to healthcare.

Percentage of Population Using Public Transit or Commuting to Work
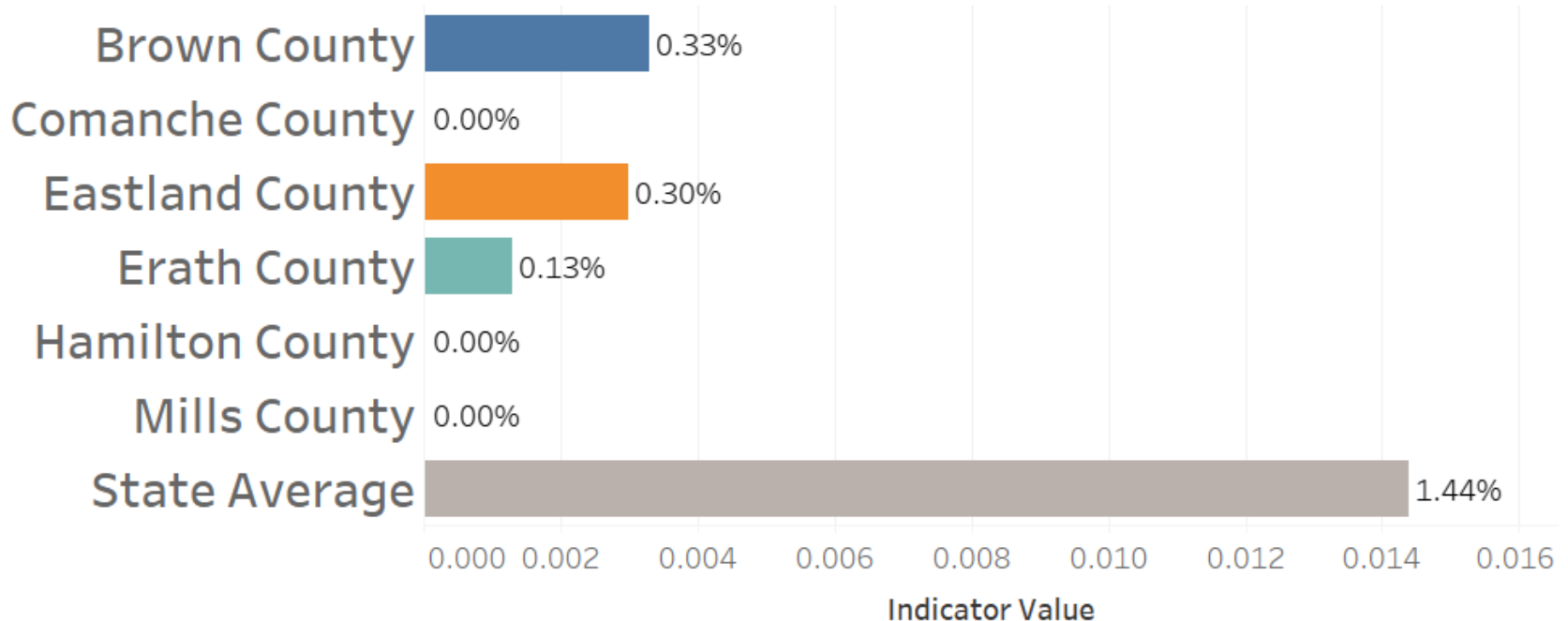
County	Indicator Value
Brown County	0.33%
Comanche County	0.00%
Eastland County	0.30%
Erath County	0.13%
Hamilton County	0.00%
Mills County	0.00%
State Average	1.44%

Source: Community Commons

COMMUNITY SURVEY RESULTS

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Survey: Demographics of Respondents

•Gender	•Out of 102 respondents an overwhelming majority of respondents were female, 80.85% compared to 19.15% male.
Ethnicity	78.72% of respondents were white, 18.09% Hispanic or Latino, 1.06% Asian, and 2.13% other.
Household	57.45% of respondents are married, 10.64% are married with children at home, 7.45% are divorced, 9.57% are single, 1.18% are divorced with children at home, and 12.77% said other.
County of Residence	See chart below. The majority of respondents indicated they lived in Comanche County.

County of Residence	Percentage of Respondents
Brown County	1.06%
Comanche County	87.23%
Eastland County	2.13%
Erath County	7.45%
Hamilton County	1.06%
Mills County	0.00%
Other	1.06%

Survey: Demographics of Respondents (cont.)

Age

ANSWER CHOICES	RESPONSES
Under 18 years old	0.00%
18-44 years old	22.34%
45-64 years old	43.62%
65-80 years old	29.79%
Over 80 years or older	4.26%

Type of Primary Health Insurance Plan

ANSWER CHOICES		RESPONSES
Personal insurance you purchased		14.74%
Medicare		23.16%
Medicaid		4.21%
Employer-sponsored (you and employer share cost)		29.47%
Self-Pay		7.37%
Uninsured		7.37%
Other (please specify)	Responses	13.68%

Respondents With a High Deductible Health Plan?

ANSWER CHOICES	RESPONSES
Yes	26.60%
No	47.87%
Don't know	9.57%
Not applicable	15.96%

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Survey: Access and Quality of Healthcare In CCMC Community

- Respondents rated access to healthcare in the CCMC community positively. 49.48% rated access as very good, and 34.02% rated it as good.

- Respondents also rated quality of healthcare in the CCMC community very positively. 46.39% rated it very good, and 39.18% rated it as good.

Question	Very Good	Good	Fair	Poor	Very Poor
In general, how would you rate access to healthcare in your community?	49.48%	34.02%	14.43%	2.06%	0.00%
In general, how would you rate the overall quality of the healthcare provided in your community?	46.39%	39.18%	11.34%	1.03%	2.06%

Survey: Accessibility of Services

- The table shows a ranking of the least accessible services in the CCMC Community. The higher the weighted average, the poorer the access.

- Mental Health Services had a significantly higher weighted average than other services.

Note: Weighted averages were calculated on a 3-point scale with the poorer the ranking the higher point value.

Least Accessible Services in CCMC Community	Weighted Average
Mental Health Services	3.07
Nursing Home	2.75
Family Planning Services	2.72
Public Health Department	2.66
Urgent/Express Care	2.49
Gym/Fitness Center	2.45
Eye Doctor/Optometrist	2.36
Home Health	2.26
Specialist Physician Care	2.24
Hospice	2.18

Survey: Seeking Care Outside Comanche County

	Emergency Room	Hospital	Primary Care	Specialists Care	Urgent Care	Other	Percentage of Responses Who Said Yes
Over the past three years, did you or your household receive healthcare services outside your county?	11.43%	10.00%	14.29%	42.86%	2.86%	18.57%	70.59%

	Accepted My Health Insurance	Cost	Convenience/ Location	Hospital Affiliation	Quality of Care	Referral	Specialist Care	Other
Why did you choose services outside of your county?	0.00%	1.45%	8.70%	2.90%	21.74%	17.39%	33.33%	14.49%

- Individuals in the CCMC community seek healthcare services outside of their respective counties due to lack of specialty care availability and quality of care. The majority of respondents to the survey were from Comanche County. Specific services mentioned include labor and delivery, specialized surgery services, radiology, laboratory, optometry, and oncology.

Survey: Seeking Care Within Community

	Yes, within the past 12 months	Yes, 1 -3 years ago	Yes, 4 or more years ago	No, I've never used the health services at CCMC or its affiliates
Have you ever used the healthcare services of Comanche County Medical Center or its affiliates?	73.47%	8.16%	4.08%	14.29%

	Very Satisfied	Satisfied	Neutral	Unsatisfied	Very Unsatisfied	Not Applicable
How would you rate your overall experience with the healthcare services you received from Comanche County Medical Center or its affiliates?	52.13%	28.72%	5.32%	3.19%	4.26%	6.38%

- While 70.59% of respondents have gone outside the county for care, 73.47% of respondents have also used CCMC services in the past 12 months.
- Over 80% of respondents were satisfied or very satisfied with the services received at CCMC.

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Survey: Challenges in the CCMC Community

- Obesity and diabetes were in the top three most significant problems and major health challenges in the CCMC community. Other high-scoring items in both categories include cancer, exercise/fitness, mental illness, and alcoholism.

Most Significant Problems in CCMC Community	Weighted Average
Obesity	2.61
Diabetes	2.60
Inactivity/Lack of Exercise	2.54
Heart Disease	2.46
Cancer	2.45
Smoking	2.42
Mood Disorders (ex. Depression)	2.42
Anxiety Disorders	2.41
Alcoholism	2.40
Opioids	2.33

Major Health Challenges in the CCMC Community	Percentage of Responses
Obesity	63.73%
Aging	62.75%
Diabetes	58.82%
Lack of Health Insurance	54.90%
Poverty	46.08%
Exercise/Fitness	43.14%
Alzheimer's/Other Dementias	42.16%
Cancer Care/Screening	42.16%
Alcohol	36.27%
Mental Illness	34.31%

Note: Weighted averages were calculated on a 3-point scale with the poorer the ranking the higher point value.

Survey: Healthcare Perceptions and Satisfaction

- CCMC did not rate poorly in addressing any specific age group. However, it rated lower in addressing the health needs of infants, children, and young to middle-aged females.

How would you rate your local health system in addressing the needs of the following age groups?						
	VERY GOOD	GOOD	FAIR	POOR	VERY POOR	WEIGHTED AVERAGE
Infants	17.65%	42.65%	29.41%	4.41%	5.88%	2.38
Age 1-17	18.57%	47.14%	27.14%	2.86%	4.29%	2.27
Females Age 18-44	20.00%	45.71%	25.71%	5.71%	2.86%	2.26
Males Age 18-44	20.29%	55.07%	21.74%	1.45%	1.45%	2.09
Females Age 45-64	28.75%	38.75%	25.00%	5.00%	2.50%	2.14
Males Age 45-64	30.26%	43.42%	23.68%	1.32%	1.32%	2.00
Age 65-80	38.37%	32.56%	22.09%	4.65%	2.33%	2.00
Over 80	31.51%	38.36%	20.55%	6.85%	2.74%	2.11

Survey: Additional Healthcare Providers

- Nearly 80% of respondents think CCMC needs additional healthcare providers. Over 50% of respondents identified specialist care and pediatricians as specific areas where providers are needed.

	Yes	No
Do you feel your community needs additional healthcare providers?	79.79%	20.21%

- What types of providers are needed?

Type of Provider	Percentage
Specialist Care	62.20%
Pediatricians	53.66%
Obstetrics/Gynecology (OB/GYN)	47.56%
Behavioral Health / Mental Health	45.12%
Surgeons	41.46%
Dentists	34.15%
Primary Care	32.93%
Therapists	21.95%
Other Providers	14.63%
Technologists	9.76%
Pharmacists	7.32%

Survey: Health Practices

	Very Good	Good	Fair	Poor	Very Poor
How would you best describe your health?	17.53%	61.86%	17.53%	3.09%	0.00%

	Much Better than a year ago	Better than a year ago	About the same	Worse than a year ago	Much worse than a year ago
Compared to a year ago, how would you rate your overall health now?	9.28%	15.46%	60.82%	13.40%	1.03%

	Yes	No
Does your household have a provider you use for primary care?	91.30%	8.70%
Have you had a physical in the past 12 months?	84.21%	15.79%

Survey: Health Practices (cont.)

- Half of the respondents to the survey are leading a healthy lifestyle, with the majority of respondents consuming low levels of tobacco and alcohol, receiving an annual flu shot and wearing masks in public spaces..

	Yes	No
Are you eating right (5 or more servings of fruits, vegetables and grains)?	56.12%	43.88%
Using tobacco products weekly?	13.27%	86.73%
Exercising 2-3 times weekly?	50.00%	50.00%
Consuming alcohol (more than 1 drink daily if you are female, 2 drinks daily if you are a male)?	7.14%	92.86%
Receiving an annual flu shot?	81.63%	18.37%
Wearing a mask in public spaces?	87.76%	12.24%

Survey: Health Practices (cont.)

- Walking is the exercise activity of choice for those in the CCMC community. However, almost 20% of respondents reported they do not exercise.
- This could exemplify a need for more diverse forms of exercise programs in the community.

Activities	If you exercise, what are some activities you choose?	What are some activities that are available to you in your community?
Working out in a gym	18.28%	71.59%
Running	6.45%	50.00%
Cycling	5.38%	31.82%
Team Sports	1.08%	7.95%
Water Sports	3.23%	6.82%
Walking	70.97%	86.36%
Horseback Riding	1.08%	12.50%
Fishing/Hunting	12.90%	48.86%
Yoga/Pilates	7.53%	12.50%
I do not exercise	19.35%	N/A

KEY PRIORITIES

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Health Need Priorities Table

Priority	Health Data	Community Survey Results
Primary/Pediatric Care/Women's Care/ Accessibility to Services	Yes	Yes
Cancer Care (screenings, preventative care, and treatment around lung, breast, colon and rectum cancer specifically)	Yes	Yes
Lifestyle (wellness, nutrition, food insecurity, preventive care, family planning)	Yes	Yes
Mental Health (addiction treatment, psychiatric care, tele-psych, suicide prevention)	Yes	Yes
Tobacco Usage (cessation programs)	Yes	Yes
Dental Care	Yes	Yes

Health Need Priorities: Primary/Pediatric Care/Women's Care/Accessibility to Specialist Services

Health Data

- There are a shortage of **primary care providers** in the CCMC community.
- 4 out of 6 counties have higher than the state average **infant mortality** rates.
- 3 out of 4 counties reported a larger percentage of adults with **high cholesterol** than the Texas state average.
- The CCMC community has a higher than state average **heart disease** mortality rate.

Survey Data

- Over 75% of respondents stated that CCMC needs **additional healthcare providers**.
- Over 45% of respondents identified **specialist care, pediatricians, and OB/GYN** as specific areas where providers are needed.
- Individuals are seeking care **outside the county** for specialist services including include **labor and delivery, specialized surgery services, radiology, laboratory, optometry,** and **oncology.**

Health Need Priorities: Cancer Care

Health Data
• 3 counties have low incidence of cancer, but high **death rates** from **cancer**.
• Incidence of **colon** and **rectum cancer** is above both state and national averages in all counties in the CCMC community that reported data.
• **Mammogram cancer screening** rates are below the Texas state average in all counties except Erath. Low screening rates could mean many cases are going undetected in the community.
• 4 out of 6 counties have **a lung cancer** incidence rate that is above the state average.

Survey Data
• **Cancer** was ranked in the top 10 for a significant problem in the CCMC community as well as a major health challenge.

Health Need Priorities: Lifestyle

Health Data
• Four out of 6 counties have a higher population than the state average with **low income** and **low food access**.
• Three out of six counties have a higher percentage of adults with **no physical activity** than the state average.
• Three counties are higher than the state average for number of students scoring below '**Not Proficient' reading level**.

Survey Data
• Accessibility to a **gym/fitness center** was ranked in the top 10 least accessible services in the CCMC community.
• **Obesity, diabetes**, and **lack of exercise** were ranked in the top 10 for significant problems in the CCMC community as well as in the top 10 for major health challenges.
• 50% of respondents said they **do not exercise weekly**.
• For those that did exercise, the number one activity was walking.

Health Need Priorities: Mental Health

Health Data	Survey Data
• The rate of **mental health care providers** available in the 6 counties is considerably lower than the national average and state average in all counties but Brown County.	• Access to **mental health services** was ranked as the number one least accessible service in the CCMC community.
• **Depression** within the Medicare population is higher than the state average in 3 counties.	• Various **mental illnesses** were ranked in both the top 10 most significant problems in the CCMC community, and in the top 10 major health challenges in the CCMC community.
• Alcohol consumption rates were not submitted by multiple counties, however, there are extremely high **motor vehicle mortality** rates in the CCMC community. Eastland and Erath counties have more than double the state average with Comanche County more than triple. More data should be gathered around alcohol consumption to verify these statistics are not related.	• Over 45% of respondents thought more **behavioral and mental health providers** were needed in the community.

Health Need Priorities: Tobacco Usage

Health Data
- All counties have a **lung disease** incidence rate over the Texas state average, with Hamilton County more than double the state average.   - With the exception of Comanche and Mills County, all other counties have a **lung cancer incidence** rate that is over the Texas state average.   - Brown, Comanche, and Hamilton County have a larger percentage of **smokers** than state and national averages.   - Brown and Comanche County have low rates of quit attempts coupled with a high percentage of current smokers.   **Pulmonary services** are the most commonly used at CCMC.

Survey Data
Smoking was listed in the top 10 most significant problems in the CCMC community.

Health Need Priorities: Dical Care

Health Data

- Access to **dentists** is lower than both national and state averages in all counties except Hamilton County.
- Only two counties (Brown and Erath) measure the percentage of adult population with **poor dental health**, but both are over the state average.

Survey Data

- 34% of respondents thought more **dentists** were needed in the community.

Thank You

Thank you for the opportunity to support Comanche County Medical Center in its effort to identify and meet the health needs of its community.

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