

# Weatherford Regional Hospital Community Health Needs Assessment Summary and Implementation Strategy

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Oklahoma Office of Rural Health

OSU Center for Rural Health

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## Introduction

New requirements for nonprofit, 501 (c)(3), hospitals were enacted under the Patient Protection and Affordable Care Act (ACA), passed on March 23, 2010. One of the most significant of the new requirements is the Community Health Needs Assessment (CHNA) that must be conducted during taxable years after March 23, 2012 and submitted with IRS form 990. A CHNA must then be completed every three years following.

While the requirements are fairly new, the IRS has made strides in defining hospitals that must complete the CHNA as well as details of what is expected in the CHNA report to be submitted. At this time the only entities that must complete the CHNA are hospital organizations defined as:

- An organization that operates a State-licensed hospital facility
- Any other organization that the Secretary determines has the provision of hospital care as its principal function or purpose constituting the basis for its exemption under section 501 (c)(3).

The general goal behind the requirement is to gather community input that leads to recommendations on how the local hospital can better meet and serve residents' needs. The community input is typically derived from a community survey and a series of open meetings. Local health data are presented. Community members then identify and prioritize their top health needs.

After listening to community input, the hospital defines an implementation strategy for their specific facility. The implementation strategy is a written plan that addresses each of the health needs identified in the community meetings. To meet Treasury and IRS guidelines an implementation strategy must:

- Describe how the hospital facility plans to meet the health need, or
- Identify the health need as one the hospital facility does not intend to meet and explain why the hospital facility does not intend to meet the health need<sup>1</sup>

After the needs are identified that the hospital can address, the implementation strategy must take into account specific programs, resources, and priorities for that particular facility. This can include existing programs, new programs, or intended collaboration with governmental, nonprofit, or other health care entities within the community.<sup>2</sup>

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<sup>1</sup> Internal Revenue Service. 2011. Notice and Requests for Comments Regarding the Community Health Needs Assessment Requirements for Tax-Exempt Hospitals. Internal Revenue Bulletin: 2011-30.

<sup>2</sup> Ibid

The facility must make the recommendations and implementation strategy widely available to community members. The facility must adopt the implementation strategy in that same taxable year.

### **Oklahoma Office of Rural Health Partnership**

The Oklahoma Office of Rural Health makes this program available to all rural facilities in Oklahoma free of charge. The Oklahoma Office of Rural Health works closely with the hospital and community members to develop an economic impact of the local health sector, develop and analyze a local health services survey, and gather and analyze local health data. The community meetings are facilitated by a resource team that includes Corie Kaiser and Lara Brooks of the Oklahoma Office of Rural Health.

After the meetings conclude, the resource team assists the hospital in developing their implementation strategy. After implementation, the resource team will assist in evaluation of the strategies implemented and provide continued assistance with data and resources.

This document discusses the steps taken to conduct a CHNA for Weatherford Regional Hospital in 2020. It begins with a description of the hospital's steps to addressing priorities identified during the 2017 CHNA along with the impacts, followed by a description of the medical service area, including a demographic analysis, and then summarizes each meeting that took place during the CHNA process. The report concludes by listing the recommendations that came out of the process and presenting the hospital's implementation strategy and marketing plan.

This report along with the implementation strategy was presented and approved by the governing board on September 28, 2020.

### **Previous Community Health Needs Assessment- Priorities, Implementation, and Evaluation**

Weatherford Regional Hospital worked with the Oklahoma Office of Rural Health in 2017 to complete their first Community Health Needs Assessment. During that time, health concerns were identified by community members and then prioritized by community members in focus group-style meetings. The following identifies each priority, implementation taken, and an evaluation or impact of the implementation.

Area of concern: Services for an aging population

Activity 1: Updated hospitalist model from virtual to in-person (primary care physician)  
This has had a positive impact on inpatients. This has had increased the continuum of care and allowed patients to have a more seamless office visit to inpatient stay. The estimated number of individuals who benefitted from this change is roughly 1,000.

#### Activity 2: Relocated convenient care to on-campus

This allows for more of a one-stop location for patients. Patients are able to receive quicker treatment, and tests are all under one roof. This helps alleviate some transportation barriers as well since it is at one location. It is estimated that roughly 8,000 visits are seen through convenient care annually. Approximately 50 percent of those patients are Medicare patients. Therefore, roughly 4,000 Medicare patient visits benefitted from this change.

#### Activity 3: Oncology Program

Weatherford Regional Hospital implemented an oncology program that includes a weekly visit from an oncologist. Treatments are available at the hospital including chemotherapy and infusions. Approximately 700 visits in the Weatherford service area have benefitted from this offering.

#### Area of concern: Mental Health

##### Activity 1: Partnership with Local Law Enforcement

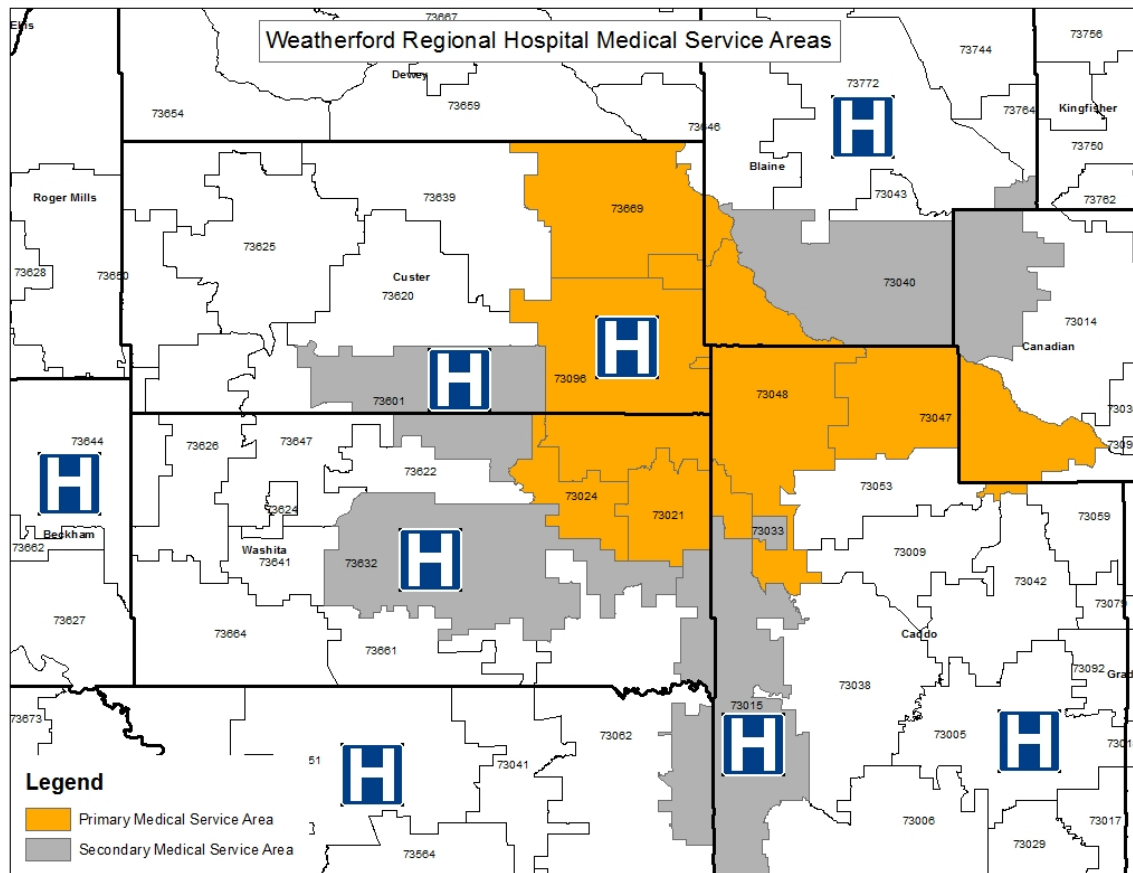
Many of the patients who arrive in the ED are brought in from local law enforcement. The hospital has a great relationship with law enforcement to ensure patients receive the appropriate care and are transferred when a bed is available in a timely manner. This is an ongoing collaboration. Roughly 100 patients benefit from this collaboration on an annual basis to receive appropriate care for their needs.

##### Activity 2: Suicide or Depression screenings

All patients who are seen through the emergency department are assessed for suicide and self-harm. Those identified through this process as needing further assistance are then further evaluated to determine appropriate needs. Roughly 7,200 patients receive the initial assessment each year through the emergency department.

## Weatherford Regional Hospital Medical Services Area Demographics

Figure 1 displays the Weatherford Regional Hospital medical services area. Weatherford Regional Hospital and all area hospitals are delineated in the figure. The surrounding hospitals are identified in the table below by county along with their respective bed count.



**Figure 1. Weatherford Regional Hospital Medical Service Areas**

City	County	Hospital	No. of Beds
Elk City	Beckham	Great Plains Regional Medical Center	62
Watonga	Blaine	Mercy Hospital Watonga	25
Anadarko	Caddo	The Physicians' Hospital in Anadarko	25
Carnegie	Caddo	Carnegie Tri-County Municipal Hospital	17
Clinton	Custer	AllianceHealth Clinton	56
Weatherford	Custer	Weatherford Regional Hospital	25
Hobart	Kiowa	Elkview General Hospital	38
Cordell	Washita	Cordell Memorial Hospital	14

As delineated in Figure 1, the primary medical service area of Weatherford Regional Hospital includes the zip code areas of Weatherford, Thomas, Hydro, Hinton, Colony, and Corn. The primary medical service area experienced a population increase of 9.1 percent from the 2000 Census to the 2010 Census (Table 1). This same service area experienced another increase in population of 6.8 percent from the 2010 Census to the latest available, 2014-2018, American Community Survey.

The secondary medical services area is comprised of the zip code areas Geary, Eakly, Carnegie, Cordell, and Clinton. The secondary medical service area experienced little change in population from the 2000 Decennial Census to the 2010. This same service area experienced a 0.4 percent decrease from the 2010 Decennial Census to the latest available 2014-2018 American Community Survey.

**Table 1. Population of Weatherford Regional Hospital Medical Service Area**

Population by Zip Code	2000 Population	2010 Population	2014-2018 Population	% Change 2000-2010	% Change 2010-14-18
<i>Primary Medical Service Area</i>					
73096 Weatherford	12,106	13,037	13,684	7.7%	5.0%
73669 Thomas	1,596	1,675	1,750	4.9%	4.5%
73048 Hydro	2,101	2,020	2,438	-3.9%	20.7%
73047 Hinton	3,711	4,774	5,135	28.6%	7.6%
73021 Colony	384	352	241	-8.3%	-31.5%
73024 Corn	719	637	785	-11.4%	23.2%
	<b>20,617</b>	<b>22,495</b>	<b>24,033</b>	9.1%	6.8%
<i>Secondary Medical Service Area</i>					
73040 Geary	1,972	1,976	1,821	0.2%	-7.8%
73033 Eakly	300	387	484	29.0%	25.1%
73015 Carnegie	3,157	2,877	3,011	-8.9%	4.7%
73632 Cordell	3,593	3,433	3,337	-4.5%	-2.8%
73601 Clinton	9,958	10,299	10,238	3.4%	-0.6%
<b>Total</b>	<b>18,980</b>	<b>18,972</b>	<b>18,891</b>	0.0%	-0.4%

SOURCE: Population data from the U.S. Bureau of Census, Decennial Census 2000, 2010 and American Community Survey 2014-2018 (March 2020)

Table 2 displays the current existing medical services in the primary service area of the Weatherford Regional Hospital medical services area. The medical service area includes seven physician offices, six dental offices, three optometry offices, one mental health/counseling



location, and one EMS provider. The hospital provides radiology, CT, MRI, laboratory services, physical therapy, 24/7 emergency room, sleep lab, telemedicine services, swing bed, oncology services including chemotherapy and infusions, and labor and delivery services. A complete list of hospital services and community involvement activities can be found in Appendix A.

**Table 2. Existing Medical Services in Weatherford Regional Hospital Medical Services Area**

<b>Count</b>	<b>Service</b>
1	Hospital: Weatherford Regional Hospital
7	Physician offices
5	Home health providers
6	Dental offices
1	EMS provider
3	Optometry offices
3	Chiropractic offices
2	Assisted living facilities
2	Nursing homes
1	Mental health/Counselor
4	Physical therapy/Rehabilitation providers
1	County Health Department
4	Pharmacies

In addition to examining the total population trends of the medical service areas, it is important to understand the demographics of those populations. Table 3 displays trends in age groups for the primary and secondary medical service areas as well as Custer County in comparison to the state of Oklahoma. Overall, the over 65 age group has experienced an increase in population at the state and county level from the 2010 Census to the latest, 2014-2018 American Community Survey. This cohort accounted for 15 percent of the total population at the state level. In terms of the medical service areas, this age group accounted for 12.1 percent of the primary medical service area, 17.9 percent of the secondary medical service area, and 13.5 percent of the population of Custer County. The 45-64 age group accounts for the largest share of the population in the secondary (24.1%) service area. The 25-44 age group accounts for the largest primary (25.3%) service area and Custer County (23.7%).

**Table 3. Percent of Total Population by Age Group for Weatherford Regional Hospital Medical Service Areas, Custer County and Oklahoma**

Age Groups	Primary Medical Service Area	Secondary Medical Service Area	Custer County	Oklahoma
<b>2010 Census</b>				
0-14	16.7%	22.7%	19.5%	20.7%
15-19	8.4%	7.1%	8.6%	7.1%
20-24	14.3%	5.7%	12.7%	7.2%
25-44	25.8%	23.3%	23.2%	25.8%
45-64	22.5%	24.4%	22.7%	25.7%
65+	<u>12.2%</u>	<u>16.8%</u>	<u>13.4%</u>	<u>13.5%</u>
Totals	100.0%	100.0%	100.0%	100.0%
Total Population	22,495	18,972	27,469	3,751,351
<b>14-18 ACS</b>				
0-14	18.1%	24.0%	21.2%	20.4%
15-19	9.1%	5.7%	8.5%	6.7%
20-24	14.3%	5.5%	12.1%	7.2%
25-44	25.3%	22.8%	23.7%	26.1%
45-64	21.2%	24.1%	21.0%	24.5%
65+	<u>12.1%</u>	<u>17.9%</u>	<u>13.5%</u>	<u>15.0%</u>
Totals	100.0%	100.0%	100.0%	100.0%
Total Population	24,033	18,891	29,209	3,918,137

SOURCE: U.S. Census Bureau, Decennial Census data for 2010 and American Community Survey data for 2014-2018 (www.census.gov [April 2020]).

Changes in racial and ethnic groups can impact the delivery of healthcare services, largely due to language barriers and dramatically different prevalence rates for specific diseases, such as diabetes. A noticeable trend in Oklahoma is the growth in the Hispanic origin population. In 2010, those of Hispanic origin accounted for 8.9 percent of the total state population. The latest American Community Survey data of 2014-2018 suggest that this population group has experienced an increase to 10.4 percent of the total population. This trend is evident in Custer County and both medical service areas. The share of the population identified as of Hispanic Origin accounted for 14 percent of the primary medical service area's

population in 2014-2018 and 22.3 percent of the secondary medical service area during the same time period. The Hispanic Origin population accounted for 18 percent of the total population from 2014-2108 in Custer County.

**Table 4. Percent of Total Population by Race and Ethnicity for Weatherford Regional Hospital Medical Service Areas, Custer County and Oklahoma**

Race/Ethnic Groups	Primary Medical Service Area	Secondary Medical Service Area	Custer County	Oklahoma
<b>2010 Census</b>				
White	83.7%	71.5%	78.1%	72.2%
Black	3.1%	2.8%	3.0%	7.4%
Native American <sup>1</sup>	4.9%	10.5%	6.3%	8.6%
Other <sup>2</sup>	4.6%	10.6%	8.6%	5.9%
Two or more Races <sup>3</sup>	3.7%	4.5%	3.9%	5.9%
Hispanic Origin <sup>4</sup>	9.2%	18.1%	13.9%	8.9%
Total Population	22,495	18,972	27,469	3,751,351
<b>14-18 ACS</b>				
White	84.8%	73.6%	80.2%	72.4%
Black	2.4%	2.6%	3.2%	7.3%
Native American <sup>1</sup>	2.8%	9.3%	3.3%	7.5%
Other <sup>2</sup>	3.9%	6.9%	5.0%	4.9%
Two or more Races <sup>3</sup>	6.0%	7.6%	8.2%	7.7%
Hispanic Origin <sup>4</sup>	<u>14.0%</u>	<u>22.3%</u>	<u>18.0%</u>	<u>10.4%</u>
Total Population	24,033	18,891	29,209	3,918,137

SOURCE: U.S. Census Bureau, Decennial Census data for 2010 and American Community Survey data for 2014-2018 (www.census.gov [April 2020]).

## **Summary of Community Input for CHNA**

Due to the unprecedented Covid-19 pandemic, Weatherford Regional Hospital was not able to host three community meetings to seek feedback from key stakeholders. In an effort to promote social distancing and following recommendations outlined the CDC's website, the hospital hosted one community listening session via Zoom. Key stakeholders that were unable to attend this session on August 7, 2020, received individual follow up calls that were completed similar to key informant interviews. All stakeholders received all of the typical primary and secondary data prior to their respective meetings. The meeting presentations and handouts can be found in Appendices C-E. The Oklahoma Office of Rural Health facilitated the gathering of the secondary data, the completion of the survey, and the Zoom meeting and follow up interviews. Data summaries are provided in the following sections.

Community members who provided input:

- Weatherford Regional Hospital representatives
- Southwestern Oklahoma State University representatives
- Indian Health Services
- Department of Human Services
- Custer County Health Department
- Weatherford Public Schools
- Weatherford Food Resource Center

Key stakeholders were identified due to their expertise of health conditions and concerns in the Weatherford area along with the respective populations they represent. In particular, Custer County Health Department was included for their expertise of public health in Custer County. Significant efforts were made to include those who represented low-income and racially diverse populations.

## **Economic Conditions of Custer County and Economic Impact of Health Sector**

Economic indicators for Custer County in comparison to Oklahoma and the United States are outlined in Table 5. Custer County tends to lag Oklahoma and the United States in terms of per capita income, or the total income divided by the population. Oklahoma as a state tends to lag the national average. In terms of employment and unemployment, there have been many changes during the first half of 2020. The 2019 annual unemployment rate for Custer County was 2.5 percent. This rate is lower than the state (3.3%) and national (3.7%). All of these rates are non-seasonally adjusted. The most recent monthly estimates show Custer County to be higher than 2019 with a 5.8 percent rate. This is lower than the state (6.8%) and significantly lower than the national (11.2%) rates.

The share of individual captured below the poverty threshold for income and household size is calculated by the U.S. Census Bureau. In 2018, the poverty rate for all ages in Custer County was 18.2 percent. This is higher than the state and national rates. However, the share of children, or those under the age of 18, was lower than the state and only slightly higher than the national rate. All economic indicators can be found in Table 5.

**Table 5. Economic Indicators for Custer County, the State of Oklahoma and the Nation**

Indicator	County	State	U.S.
Total Personal Income (2018)	\$1,209,409,000	\$182,301,870,000	\$17,813,035,000,000
Per Capita Income (2018)	\$41,652	\$46,233	\$54,446
Employment (2019)	15,279	1,780,551	157,538,000
Unemployment (2019)	396	60,658	6,001,000
Unemployment Rate (2019)	2.5%	3.3%	3.7%
Employment (June 2020)*	14,233	1,658,111	142,811,000
Unemployment (June 2020)*	883	121,838	18,072,000
Unemployment Rate (June 2020)*	5.8%	6.8%	11.2%
Percentage of People in Poverty (2018)	18.2%	15.5%	13.1%
Percentage of Under 18 in Poverty (2018)	18.7%	21.4%	18.0%
Transfer Dollars (2018)	\$217,593,000	\$34,463,695,000	\$2,971,451,000,000
Transfer Dollars as Percentage of Total Personal Income (2018)	18.0%	18.9%	16.7%
Medical Benefits as a share of Transfer Payments (2018)	38.4%	39.1%	45.6%

\*County and state estimates are considered preliminary

SOURCES: 2020 Bureau of Labor Statistics; 2018 Bureau of Economic Analysis; 2018 U.S. Census Bureau.

Table 6 displays various education variables for Custer County. The first three lines are education attainment percentages for the population aged 25 years and greater. In Custer County, 87.1 percent of the population has at least their high school diploma, 53.7 percent has at least some college, and 26.5 percent of the population has at least a bachelor's degree. The far-right handed column provides a ranking within the state based on the highest, or most favorable percentages. The free and reduced lunch rate is the share of children in Custer County who are eligible for free and reduced lunches. Custer County's rate is 55.8 percent. This is lower than the state average of 62 percent. This is the 17<sup>th</sup> lowest rate in the state.

**Table 6. Education Data for Custer County and the State of Oklahoma**

Indicator	County	State	Custer County Ranking
At Least High School Diploma	87.1%	87.5%	26th Highest
Some College	53.7%	56.0%	19th Highest
At Least Bachelor's Degree	26.5%	24.8%	9th Highest
Free and Reduced Lunch Rate	55.8%	62.0%	17th Lowest

Sources: U.S. Census Bureau, American Community Survey, 2014-2018, National Center for Education Statistics 2017-2018.

Table 7 includes payer source data for Custer County residents in comparison to the state. A ranking is also provided with the lowest percentages as the more favorable ranking. In 2017, 18.9 percent of individuals under the age of 65 were categorized as uninsured. This is higher than the state rate of 16.6 percent. In terms of children, or those under the age of 19, this rate was 9.5 percent. This was also higher than the state rate of 8.2 percent. In 2018, 16 percent of the population had Medicare as a payer for healthcare. This includes Medicare parts A, B and Advantage. In terms of Medicaid, 24 percent of the population in Custer County had Medicaid as a payer source. The Medicare and Medicaid data were gathered from different sources, and duplicates have not been removed.

**Table 7. Payer Source Data for Custer County and the State of Oklahoma**

Indicator	County	State	Custer County Ranking
2017 Uninsured rate (under 65)	18.9%	16.6%	44th Lowest
2017 Uninsured rate (under 19)	9.5%	8.2%	32nd Lowest
2018 Medicare share of total population	16.0%	18.3%	7th Lowest
2019 Medicaid share of total population	24.0%	26.0%	22nd Lowest

Sources: U.S. Census Bureau Small Area Health Insurance Estimates, 2017; Centers for Medicare and Medicaid Services, Medicare Part A, B and Advantage Recipients by State and County, 2018; Oklahoma Health Care Authority, Total Enrollment by County, 2019

Table 8 below summarizes the overall economic impact of the health sector on the Custer County, Oklahoma economy. The local healthcare data outside of the hospital were collected by contacting local providers to gather their employment data. When available, payroll information was also collected from the establishments. When payroll information was not available, payroll was estimated using state level averages from the Bureau of Labor Statistics.

The health sector in the Weatherford Regional Hospital medical service area employs 691 FTE individuals. After applying a county-specific employment multiplier to each respective sector, there is a total employment impact of 948 FTE employees. The same methodology is applied to income. The local health sector has a direct income impact of over \$39.6 million. When the appropriate income multiplier is applied, the total income impact is over \$48.1 million. The last two columns examine the impact this has on the retail sector of the local community. Recent data suggest that just 30.8% of personal income in Oklahoma will be spent on taxable goods and services locally. Therefore, if we just examine the impact made on retail from those employed in the health sector, this would account for nearly \$14.8 million spent locally, generating \$148,368 on a 1% tax. A copy of the meeting materials that were distributed can be found in Appendix C.

**Table 8. Weatherford Regional Hospital Medical Service Area Health Sector Impact on Employment and Income, and Retail Sales and Sales Tax**

Health Sectors	Employment			Income			Retail	1 Cent
	Direct	Multiplier	Impact	Direct	Multiplier	Impact	Sales	Sales Tax
Hospitals	128	1.57	201	\$7,298,368	1.27	\$9,278,780	\$2,857,864	\$28,579
Physicians, Dentists, & Other Medical Professionals	127	1.34	171	\$9,863,257	1.21	\$11,928,999	\$3,674,132	\$36,741
Nursing Homes and Home Health	282	1.30	367	\$14,201,413	1.18	\$16,795,190	\$5,172,918	\$51,729
Other Medical & Health Services	100	1.42	142	\$5,114,813	1.19	\$6,079,063	\$1,872,351	\$18,724
Pharmacies	54	1.25	67	\$3,205,284	1.28	\$4,089,362	\$1,259,524	\$12,595
<b>Total</b>	<b>691</b>		<b>948</b>	<b>\$39,683,135</b>		<b>\$48,171,393</b>	<b>\$14,836,789</b>	<b>\$148,368</b>

SOURCE: 2018 IMPLAN database, Minnesota IMPLAN Group, Inc.; Local data for employment, employee compensation and proprietor's income; income estimated based on state average incomes if local data not available; employment data from local survey.

\* Based on the ratio between Oklahoma taxable sales and income (30.8%) – from 2019 Sales Tax Data and 2018 Personal Income Estimates from the Bureau of Economic Analysis.



## **Custer County Health Indicators and Outcomes**

. Various sources of health data were examined including data from the County Health Rankings and Roadmaps Program through the University of Wisconsin Population Health Institute, and the Robert Wood Johnson Foundation. The County Health Rankings program evaluates and ranks counties based on two distinct areas: Health Factors and Health Outcomes. Along with these two areas counties receive an overall rank within their state; therefore 1=best and 77=worst.

Health factors, considered tomorrow's health, are comprised of health behaviors (rank: 43), clinical care (rank: 27), social and economic factors (rank: 9), and physical environment (rank: 40). Custer County's overall health factors rank is 21. Areas of concern include Custer County's smoking rate, adult obesity rate, rate of excessive drinking, share of uninsured individuals, and the rate of mammography screenings for Medicare beneficiaries. All health factors variables are presented in Table 9 along with Custer County specific data, the top U.S. performers, and the state average. The yellow highlighted categories are the areas identified by the County Health Rankings and Roadmaps as areas to explore (generally where Custer County ranks very poorly compared to the national benchmark) while the green highlighted categories are the areas where Custer County does well, or are viewed as areas of strength.

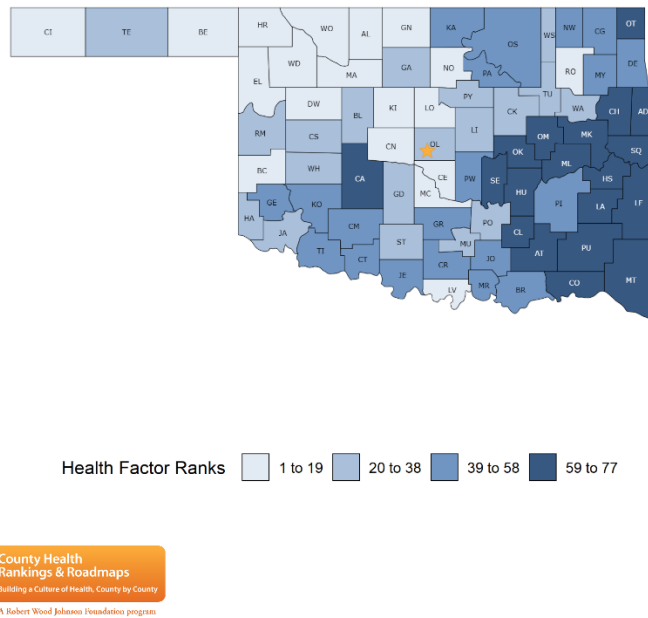
**Table 9. Health Factors (Overall Rank 21)**

Category (Rank)	Custer County	Error Margin	Top U.S. Performers	Oklahoma
<b>Health Behaviors (43)</b>				
Adult Smoking	18%	17-19%	14%	20%
Adult Obesity	38%	31-44%	26%	34%
Food Environment Index	6.9		8.6	5.7
Physical Inactivity	31%	26-37%	20%	29%
Access to Exercise Opportunities	76%		91%	71%
Excessive Drinking	15%	14-16%	13%	14%
Alcohol-Impaired Driving Deaths	14%	6-25%	11%	26%
Sexually Transmitted Infections	597		161	553
Teen Births	40	36-45	13	36
<b>Clinical Care (27)</b>				
Uninsured	20%	18-23%	6%	17%
Primary Care Physicians	1,800:1		1,030:1	1,620:1
Dentists	1,810:1		1,240:1	1,640:1
Mental Health Providers	170:1		290:1	250:1
Preventable Hospital Stays	5,259		2,761	4,926
Mammography Screening	34%		50%	37%
Flu Vaccinations	50%		53%	48%
<b>Social &amp; Economic Factors (9)</b>				
High School Graduation	92%		96%	83%
Some College	62%	54-69%	73%	60%
Unemployment	2.4%		2.6%	3.4%
Children in Poverty	19%	13-24%	11%	21%
Income Inequality	5.3	4.5-6.2	3.7	4.7
Children in Single-Parent Household	33%	24-42%	20%	34%
Social Associations	17.4		18.4	11.6
Violent Crime Rate	153		63	428
Injury Deaths	86	71-101	58	94
<b>Physical Environment (40)</b>				
Air-Pollution- Particulate Matter	8.2		6.1	9.4
Drinking Water Violations	Yes			
Severe Housing Problems	16%	12-20%	9%	14%
Driving Alone to Work	83%	80-86%	72%	82%
Long Commute- Driving Alone	18%	14-21%	16%	27%

Source: County Health Rankings & Roadmaps; University of Wisconsin Population Health Institute; Robert Wood Johnson Foundation

The following figure depicts each county's rank by shade. Custer County's health is comparable to most of the neighboring counties (Washita, Roger Mills and Blaine). Custer County fares more favorable than Caddo County, but has a less favorable ranking than Dewey County.

## 2020 Health Factors - Oklahoma



In terms of health outcomes, considered, today's health, Custer County's ranking is 19th in the state. Health outcomes are comprised of two areas: length of life and quality of life. The variables for each of these sections are presented in Table 10.

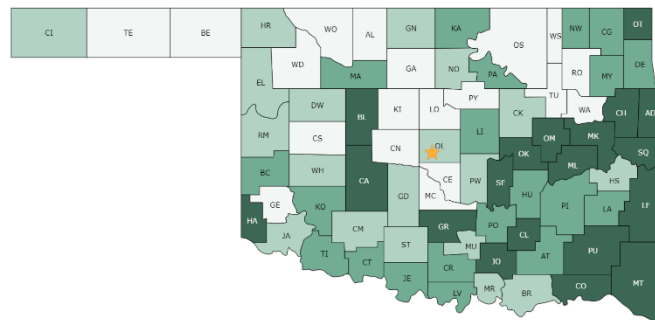
**Table 10. Health Outcomes (Overall Rank 19)**

Category (Rank)	Custer County	Error Margin	Top U.S. Performers	Oklahoma
<b>Length of Life (19)</b>				
Premature Death	9,000	7,800-10,200	5,500	9,200
<b>Quality of Life (19)</b>				
Poor or Fair Health	20%	19-21%	12%	21%
Poor Physical Health Days	4.3	4.2-4.5	4.1	4.5
Poor Mental Health Days	4.6	4.4-4.7	3.4	4.9
Low Birth Weight	7%	6-8%	6%	8%

Source: County Health Rankings & Roadmaps; University of Wisconsin Population Health Institute; Robert Wood Johnson Foundation

Custer County's rank is more favorable than all of the neighboring counties.

## 2020 Health Outcomes - Oklahoma



Health Outcome Ranks 1 to 19 20 to 38 39 to 58 59 to 77

## Community Survey Methodology and Results

A survey was designed to gauge hospital usage, satisfaction, and community health needs. The survey was available in web format using the Survey Monkey platform. The electronic survey link was placed on the hospital's Facebook page. The survey link was emailed to the City of Weatherford. The survey was also discussed at local civic meetings including Rotary, Kiwanis, and the Weatherford Area Economic Development Foundation. The survey link was also distributed at these meetings. The survey was also presented to the hospital board along with the link. The survey was also noted in the hospital board notes in the local newspaper. A copy of the survey form and results can be found in Appendix E.

The survey ran from May 1, 2020 through June 5, 2020. A total of 127 surveys from the Weatherford Regional Hospital medical service area were completed. All completed surveys were in electronic format.

Table 11 below shows the survey respondent representation by zip code. The largest share of respondents was from the Weatherford (73096) zip code with 100 responses or 78.7 percent of the total. Hydro followed with 11 responses, and Thomas had 4 responses.

**Table 11. Zip Code of Residence**

Response Category	No.	%
73096- Weatherford	100	78.7%
73048- Hydro	11	8.7%
73669- Thomas	4	3.1%
73601- Clinton	2	1.6%
73062- Mountain View	2	1.6%
73622- Bessie	1	0.8%
73639- Custer City	1	0.8%
73646- Fay	1	0.8%
73072- Norman	1	0.8%
73056- Marshall	1	0.8%
73043- Greenfield	1	0.8%
73024- Corn	1	0.8%
No response	1	0.8%
Total	127	100.0%

The survey focused on several health topics of interest to the community. Highlights of the results include:

### ***Primary Care Physician Visits***

- 85.8% of respondents had used a primary care physician in the Weatherford service area during the past 24 months

- 90.7% of those responded being satisfied
- Only 53 respondents or 41.7% believe there are enough primary care physicians practicing in Weatherford
- 59.1% responded they were able to get an appointment, within 48 hours, with their primary care physician when they needed one
- When asked what type of medical provider surveys respondents use for routine care, 58.9 percent of respondents selected primary care physician. Urgent care/Walk in clinic (19.4%) and Mid-level clinic (8.3%) followed.
- Survey respondents were also asked if they have used the services of a walk-in clinic, urgent care or after hours clinic in the past 24 months. 84 individuals or 66.1 percent of the total have used these services in the past 24 months.
- Survey respondents were then asked if they would utilize a walk in and/or after hours clinic if offered in Weatherford. 99 individuals or 78 percent of the total replied they would.

### ***Specialist Visits***

Summary highlights include:

- 61.4% of all respondents report some specialist visit in past 24 months
- Most common specialty visited are displayed in Table 12
- Only 7.0% of specialist visits occurred in Weatherford

**Table 12. Type of Specialist Visits**

Type of Specialist	No.	Percent
<b><i>Top 5 Responses</i></b>		
Cardiologist (4 visits in Weatherford)	14	13.5%
Orthopedist/Orthopedic Surg. (2 visits in Weatherford)	10	9.6%
OB/GYN (0 visits in Weatherford)	10	9.6%
Dermatologist (0 visits in Weatherford)	9	8.7%
Otolaryngologist (2 visits in Weatherford)	9	8.7%
All others (4 visits in Weatherford)	<u>52</u>	<u>50.0%</u>
<b>Total</b>	<u>104</u>	<u>100.0%</u>

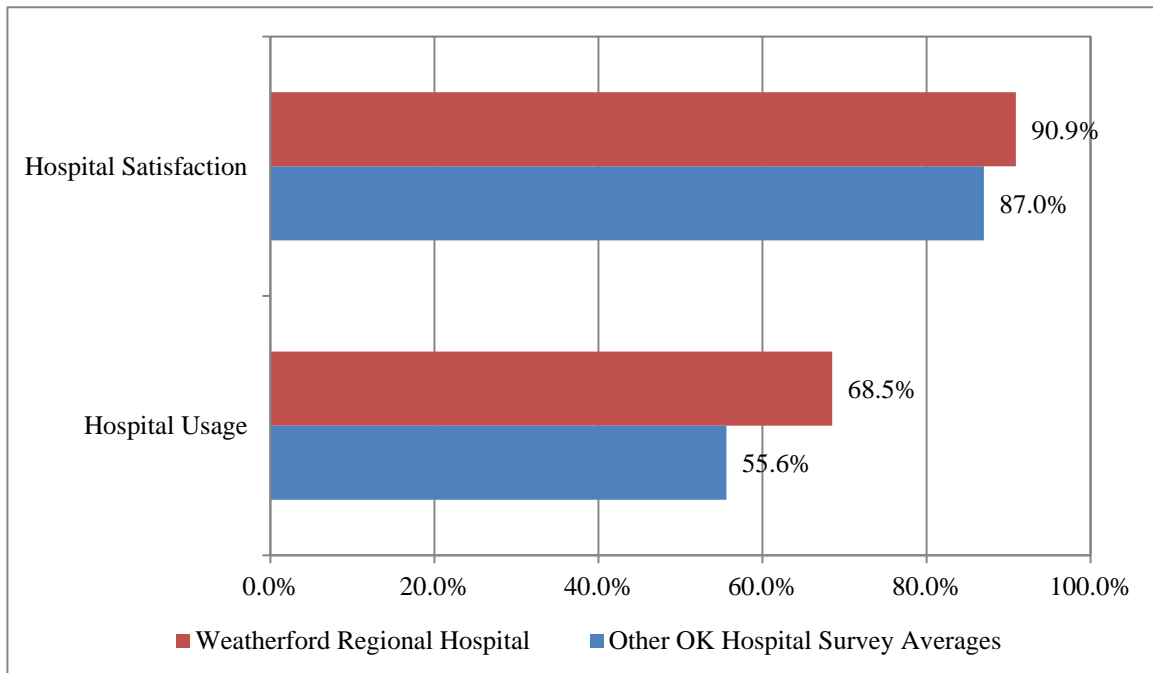
Some respondents answered more than once.

## ***Hospital Usage and Satisfaction***

Survey highlights include:

- 68.5% of survey respondents that have used hospital services in the past 24 months used services at Weatherford Regional Hospital
  - o INTEGRIS Canadian Valley Hospital, Yukon (3.8%), Mercy Hospital Oklahoma City (3.8%) and Oklahoma Heart Hospital, Oklahoma City (2.3%) followed
  - o The most common response for using a hospital other than Weatherford Regional Hospital was availability of specialty care (41.1%) and physician referral/Poison control referral (26.8%)
  - o The usage rate of 68.5% was higher than the state average of 55.6% for usage of other rural Oklahoma hospitals surveyed
- 90.9% of survey respondents were satisfied with the services received at Weatherford Regional Hospital
  - o This is above the state average for other hospitals (87.0%)
- Most common services used at Weatherford Regional Hospital:
  - o Laboratory (27.5%)
  - o Diagnostic Imaging (X-ray, CT, Ultrasound) (22.9%)
  - o Urgent care (14.5%)

**Figure 2. Summary of Hospital Usage and Satisfaction Rates**



### ***Telemedicine***

Survey respondents were asked if they have used telemedicine services, either by telephone or video with their provider in the past year. 50 individuals or 39.4 percent of the total responded that they had. Those respondents were then asked how satisfied they were with the care received via telemedicine. Eighty percent replied that they were satisfied. Ten percent each indicated they were dissatisfied or didn't know. This is the first time these questions have been included in the survey, so comparison data are not available.

### ***Local Healthcare Concerns and Additional Services***

Survey respondents were asked what concerns them most about healthcare in their community. The most common response was accessing specialty services with 49 responses. Mental health (43 responses) and Cancers followed (40 responses). Table 13 displays all responses and the frequencies.

**Table 13. What concerns you most about health in the Weatherford area?**

	No.	%
Accessing specialty services	49	15.5%
Mental health	43	13.6%
Cancers	40	12.6%
Heart disease	39	12.3%
Obesity	32	10.1%
Diabetes	30	9.5%
Accessing primary care	23	7.3%
Motor vehicle crashes	14	4.4%
Suicide	12	3.8%
Teen pregnancy	8	2.5%
Dental	7	2.2%
None/Don't know/Satisfied	2	0.6%
COVID-19	1	0.3%
Joint replacement surgery	1	0.3%
Lack of board-certified pediatrician and OB/GYN	1	0.3%
Emergency room	1	0.3%
Pain management	1	0.3%
Uninsured accessing primary care services	1	0.3%
Need for more physicians	1	0.3%
All of the above	1	0.3%
No response	10	3.2%
Total	317	100.0%



Survey respondents also had the opportunity to identify what additional services they would like to see offered in the Weatherford area. The most common response was specialists with a collective share of 39.2 percent of the total. Don't know/No additional services was the next most common response of 14.9 percent. Table 14 displays the full listing of responses.

**Table 14. Additional Health and Wellness Services Survey Respondents Would Like to See Offered in the Weatherford Area**

Response Category	No.	%
Specialists: OB/GYN (17); Dermatologist (10); Specialists in general (9); Oncologist (4); Cardiologist (3); Orthopedist (3); Pediatrician (3); Rheumatologist (2); Urologist (1); Internal Medicine (1); Gastroenterologist (1); Neurologist (1); Psychologist (1); Endocrinologist (1); General Surgeon (1)	58	39.2%
Don't know/No additional services	22	14.9%
Mental health services/Substance abuse	7	4.7%
Improved quality of care/Therapy services/Emergency care	4	2.7%
Gym access: 24 hour gym, More classes, Discounts, Free childcare for members	4	2.7%
Orthopedic procedures/Hip replacement surgery/More surgeries in Weatherford	3	2.0%
More primary care	3	2.0%
Speech therapy	2	1.4%
Geriatric care/Services	2	1.4%
After hours care	2	1.4%
Wellness classes	2	1.4%
Support groups for health issues and caregivers	1	0.7%
Women's health	1	0.7%
Weight loss	1	0.7%
Teen inpatient drug rehab	1	0.7%
Community center for athletics and events	1	0.7%
More services rather than driving to Oklahoma City	1	0.7%
More frequent services for the uninsured	1	0.7%
Cardiac services	1	0.7%
Pool for physical therapy	1	0.7%
Pediatric services	1	0.7%
Kidney dialysis	1	0.7%
Skin care	1	0.7%
Blood pressure monitoring	1	0.7%
Telemedicine services	1	0.7%
Services for homeless population	1	0.7%
More nutritional restaurants	1	0.7%
No response	23	15.5%
Total	148	100.0%

## Primary Care Physician Demand Analysis

A demand analysis of primary care physicians was completed for the zip codes that comprise the Weatherford primary and secondary medical services areas. This analysis examined average primary care physician visit rates by gender and by age groups. Once age- and gender-specific coefficients were applied, total primary care physician visit numbers were calculated by service area. Table 12 displays potential primary care physician rates by shares of service area. For example, if 90% of residents in the primary medical services area and 10% of residents in the secondary medical services area utilize services of primary care physicians in the Weatherford medical services area, a total of 33,572 annual visits would occur. This would suggest that the Weatherford medical services area would need 8.0 FTE primary care physicians to meet the needs of their existing population. Table 15 displays the estimated number of visits by share of medical services area.

**Table 15. Primary Care Physician Office Visits Given Usage by Local Residents in the Weatherford, Oklahoma Medical Service Area**

		Usage by Residents of Primary Service Area						
		70%	75%	80%	85%	90%	95%	100%
Usage by Residents of Secondary Service Area	5%	25,104	26,767	28,431	30,094	31,758	33,421	35,085
	10%	26,918	28,582	30,245	31,909	<b>33,572</b>	35,236	36,899
	15%	28,733	30,396	32,060	33,723	<b>35,387</b>	37,050	38,714
	20%	30,547	32,211	33,874	35,538	37,201	38,865	40,528
	25%	32,362	34,025	35,689	37,352	39,016	40,679	42,343
	30%	34,176	35,840	37,503	39,167	40,830	42,494	44,157
	35%	35,991	37,654	39,318	40,981	42,645	44,308	45,972
	40%	37,805	39,469	41,132	42,796	44,459	46,123	47,786
	45%	39,620	41,283	42,947	44,610	46,274	47,937	49,601
	50%	41,434	43,098	44,761	46,425	48,088	49,752	51,415

If 90% primary medical service area and 10 to 15% secondary medical service area, then the usage would be: 33,572 to 35,387 total primary care physician office visits in the Weatherford area for an estimated 8.0 to 8.5 Total Primary Care Physicians.

(Based on 83.7 average weekly primary care physician visits with a 50 week year)

## **Community Health Needs- Identification of Priorities**

As mentioned previously, due to COVID-19, community meetings were not able to be held to present data and gather data in a town-hall style meeting. Instead Zoom meetings and individual interviews were held. The first Zoom meeting was of internal stakeholders. This meeting was held on June 30. A meeting of community stakeholders was held on August 7. Individual interviews were held August 31 through September 18. A complete listing of individuals who participated is included in Appendix B.

During the interview process, participants were asked the following five questions:

- What do you see as some of the greatest health concerns in the community?
- What do you see as some of the greatest access to care barriers in Weatherford or Custer County?
- In terms of the low income or racially diverse populations in Weatherford, what do you see as barriers to care and needs?
- If you could change one thing in Weatherford to improve the overall quality of life, what would it be?
- What are you most proud of in Weatherford?

Through the process of the Zoom meetings and interviews, the following health concerns were identified (grouped by the questions listed above):

What do you see as some of the greatest health concerns in the community?

- Mental health (4)
- COVID-19 (3)
- Overall wellness with a focus on obesity (3), vaping, tobacco use/smoking (3), alcoholism, drug use, and proper nutrition
- Access to affordable care for under and/or uninsured persons and entire families is a great need. Also, accessing care based on payer source including those who receive SoonerCare. (2)
- Chronic conditions- diabetes, hypertension, cardiovascular disease (including management of these) (2)
- Access to specialists (cardiologists, orthopedists, dermatologists, and physical therapy (2)
- Accessing OB and prenatal care
- Aging- caregiving or info for those who don't need home health, but resources to age in place
- Food insecurity among students
- Uninsured students (resources/assistance to get students to move to Insure OK)
- STI testing in Custer County (high number of positives)

What do you see as some of the greatest access to care barriers in Weatherford or Custer County?

- Transportation (3)
- Affordable care for those who are under and/or uninsured including optometry and dental care- financial issues (2)
- Access to specialists including OBGYN services/prenatal services (2)
- Stigma of mental health issues
- Communication of resources through diverse entities and providers in community (SWOSU, DHS, Custer County Health Department, Weatherford Police and Fire Department, Custer County Sheriff, Weatherford Daily News, KWEY/WestOK Weekly, Weatherford Public Library, Social Media)
- Language barriers (completion of forms for needs)

In terms of the low income or racially diverse populations in Weatherford, what do you see as barriers to care and needs?

- Access to care in general, resources for an entire family to receive care (adults and children) (3)
- Access to information
- Availability of sidewalks to allow walking safely, possible rental of bikes
- Resources in general:
  - Low income housing
  - Transportation
  - Affordability (medical care, prescriptions, dental, optometry, pediatrics, physical therapy)
  - Heating and cooling needs in their living accommodations
  - Water needs in living accommodations
- Language barriers

If you could change one thing in Weatherford to improve the overall quality of life, what would it be?

- Transportation service
- Exercise programs for older population
- Resources to allow an entire family to receive medical care
- Availability of sidewalks to allow walking safely, possible rental of bikes
- Better access to vaccines for both children and adults

What are you most proud of in Weatherford?

- I am proud of the way the churches and businesses in Weatherford work together to offer the Food and Resource Center as well as the Ministerial Alliance. Both offer help to needy families and individuals in this community and the surrounding area.
- This is a safe and happy place to live.
- This question is difficult to answer. We have a sister office closing in Weatherford. I am not a citizen of Weatherford and the building I am associated with is not located in Weatherford. So on a un-related work opinion here.... I would say Weatherford is an economic power house. They care about the community and the people living there. Many new businesses are available to the public and the town itself is in wonderful shape. It doesn't hurt that it is a college town that brings a workforce. I bring my family to Weatherford for many services such as medical treatment, shopping, entertainment, etc...
- SWOSU- does a lot of promotion with nursing and pharmacy. There is a lot of educational opportunities. Weatherford Public Schools has great education. Education system overall.
- Good strong community, SWOSU, they really pulled together to work together. Good collaboration with community. Community partnerships are strong.
- Willingness to help others
- Being futuristic with their thinking and always being such a giving community
- High quality primary care base and access to care in the clinic setting
- Physicians are engaged and aligned with the hospital
- Good relationship with SWOSU
- Community engagement overall- desire to improve community- especially in recent years
- Improved/development in homes, parks, safety, family friendly
- Excellent nursing home care
- Food resource center in Weatherford
- Great facility and opportunity for care

Weatherford Regional Hospital Administration utilized these responses to generate the list of priorities based on the frequencies of responses, potential impact the hospital can have on these items, and the opportunity to collaborate with existing organizations and providers in the community. The following items were identified as priorities:

- Transportation- This item was discussed through several outlets. Increased usage of telemedicine can help alleviate this burden for many patients. Due to Covid-19, many primary care visits and convenient care have moved to telemedicine. The plan is to continue this offering moving forward. The hospital is in the process of implementing telemedicine services for the SWOSU campus. The hospital will serve as university

health services via telemedicine for SWOSU. This collaboration can reach many patients who might not have a vehicle and can ensure timely care.

- **Mental Health-** This item was mentioned the most often from the community meetings and interviews. Red Rock recently opened inpatient hospital in Weatherford. There is great opportunity to grow the relationship with Red Rock Behavioral Services, Weatherford Regional Hospital, and local law enforcement to improve the access to care and ensure patients receive the appropriate care. The hospital would like to collaborate with local providers and experts to provide education to the community and local schools about what is mental health, including basic information about mental health, removing the stigma from seeking care, and where to seek care.

In addition to the items identified, the hospital is exploring moving toward a Work Healthy Hospital through the Oklahoma Hospital Association. The hospital is looking to collaborate with the local YMCA to help in providing physical rehabilitation opportunities for patients after they are discharged from the hospital.

### **Community Health Needs Assessment Marketing Plan**

The hospital will make the Community Health Needs Assessment Summary and Implementation Strategy Plan available upon request at Weatherford Regional Hospital, and a copy will be available to be downloaded from the hospital's website ([www.weatherfordregional.com](http://www.weatherfordregional.com)). This document will also be available on the OSU Center for Rural Health blog site: (<http://osururalhealth.blogspot.com/p/chna.html>).

## Appendix A- Hospital Services/Community Benefits

### Weatherford Regional Hospital Services and Community Outreach

#### Inpatient Services:

Acute Inpatient  
Swing Bed  
Physical Therapy  
Occupational Therapy  
Laboratory  
Radiology  
CT, MRI, Ultrasound  
EKG  
Pharmacy  
Wound Care  
Social Services  
Dietary  
Telemedicine Program  
Respiratory Therapy  
Lactation Consultant  
Obstetrics  
Newborn nursery  
Dietician/Nutrition  
Blood Bank

#### Outpatient Services:

Laboratory  
Oncology treatments  
Radiology  
Observation  
Telemetry  
Dietician Education  
Stroke Center  
Diabetic Education Site  
Respiratory Therapy  
Blood Bank  
DOT Physicals  
Drug Screens  
Ultrasound  
Nuclear Medicine  
Emergency Department  
Sleep Lab  
Pulmonary Function Test  
Wound Care  
Physical Therapy- Pediatrics and Adult  
Occupational Therapy  
Social Services  
Convenient Care clinic  
Family Practice Clinic

#### Specialty Clinics:

Cardiology  
General Surgery  
Hematology/Oncology  
ENT  
Nephrology  
Oncology treatments (chemotherapy and infusions)  
Orthopedic  
Pace Maker  
Pain Management  
Urology  
Diabetic

**Community Activities:**

Blood Testing Clinic with the Church of Christ annually

Agape Clinic (free Clinic ) cards sent for free labs for cholesterol, blood sugar or blood pressure.

Month of October offer discounted Mammograms

Chamber of Commerce Health Fair – free blood pressure, sugars, cholesterol, and BMI checks

SWOSU health fair - free blood pressure checks, BMI checks, blood sugars and cholesterol

Offer PALS and ACLS and Basic Life Support for the Physician offices and staff.

Diabetic classes for the public with SWOSU

Flu Clinics and shots offered

Department of Human Services – Angel tree

Food Drive for local food bank

Obstetrics – education class and tours

Blood Drives

Wellness Screens



## **Appendix B Community Participants- Attendees and Interviews**

### **Weatherford Community Health Needs Assessment Meeting and Interview**

#### **Participants**

<b>Name</b>	<b>Title</b>	<b>Organization</b>
Lindsey Zimmerman	Admin. Asst.	Weatherford Regional Hospital
Brian Denton	President	Weatherford Regional Hospital
Dr. Brenda Stutzman	DO	Weatherford Regional Hospital
Debbie Kifer	DON	Weatherford Regional Hospital
Georganna Buss	CFO	Weatherford Regional Hospital
Dr. Randy Curry		Southwestern Oklahoma State University
Dr. Ruth Boyd		Southwestern Oklahoma State University
Chad Kinder		Weatherford Rotary
Terri Salisbury	Regional Administrator	Oklahoma State Department of Health- Custer County
Tamara	Special Educator for Early Intervention	Custer County Health Department
Floyd Sanders	County Director	Custer County Department of Human Services
Bonnie Kraft		Indian Health Services
Chad Wilson	Superintendent	Weatherford Public Schools
Lori Flansburg	Director	Weatherford Food Resource Center

## Appendix C- Demographic and Economic Data

### The Economic and Demographic Analysis of the Weatherford Regional Hospital Medical Service Area

#### *As part of the Community Health Needs Assessment*

##### Economic Data

2018 Per Capita Income <sup>1</sup>	\$41,652 (26th highest in state)
Employment April 2020, preliminary <sup>2</sup>	13,030 (-14.7% from 2019)
Unemployment (April 2020, preliminary) <sup>2</sup>	1,500 (278.8% from 2019)
Unemployment rate (April 2020, preliminary) <sup>2</sup>	10.3% (18th lowest in state)
2018 Poverty rate <sup>3</sup>	18.2% (51st lowest in state)
2018 Child poverty rate <sup>3</sup>	18.7% (21st lowest in state)
2018 Transfer Payments <sup>1</sup>	\$217,593,000 (18.0% of total personal income, 15th lowest in state)
2018 Medical Benefits as a share of Transfer Payments <sup>1</sup>	38.4% (14th lowest in state)

<sup>1</sup>Bureau of Economic Analysis, Regional Data, 2020, <sup>2</sup>Bureau of Labor Statistics 2018-2020, <sup>3</sup>U.S. Census Bureau, Small Area Income and Poverty, 2020

##### Education Data

At Least High School Diploma <sup>1</sup>	87.1% (26th highest in state)
Some College <sup>1</sup>	53.7% (19th highest in state)
At Least Bachelor's Degree <sup>1</sup>	26.5% (9th highest in state)
2017-2018 Free and Reduced Lunch Eligible <sup>2</sup>	55.8% (17th lowest in state)

<sup>1</sup>U.S. Census Bureau, American Community Survey, 2014-2018, <sup>2</sup>National Center for Education Statistics, 2017-2018.

##### Payer Source Data

2017 Uninsured Rate (under 65) <sup>1</sup>	18.9% (44th lowest in state)
2017 Uninsured Rate (under 19) <sup>1</sup>	9.5% (32nd lowest in state)
2018 Medicare share of total population <sup>2</sup>	16.0% (7th lowest in state)
2019 Medicaid share of total population <sup>3</sup>	24.0% (22nd lowest in state)

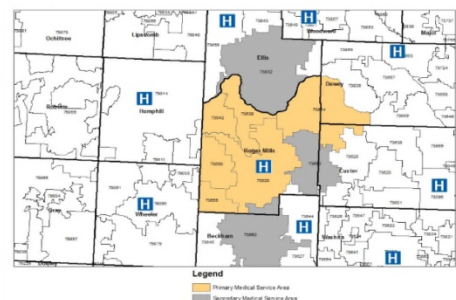
<sup>1</sup> U.S. Census Bureau, Small Area Health Insurance Estimates, 2017, <sup>2</sup> Centers for Medicare & Medicaid Services, Medicare Aged and Disabled by State and County, 2018

<sup>3</sup> Oklahoma Health Care Authority, Total Enrollment by County, 2019

##### Population (2014-2018)

Custer County	29,209 (6.3% from 2010)
Primary Medical Service Area	24,033 (6.8% from 2010)
Secondary Medical Service Area	18,891 (-0.4% from 2010)
Oklahoma	3,918,137 (4.4% from 2010)

U.S. Census Bureau, 2014-2018 American Community Survey 2010 Decennial Census



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**Percent of Total Population by Age Group for the Weatherford Regional Hospital Medical Service Areas, Custer County and Oklahoma**

Age Groups	Primary Medical Service Area	Secondary Medical Service Area	Custer County	Oklahoma
<b>14-18 ACS</b>				
0-14	18.1%	24.0%	21.2%	20.4%
15-19	9.1%	5.7%	8.5%	6.7%
20-24	14.3%	5.5%	12.1%	7.2%
25-44	25.3%	22.8%	23.7%	26.1%
45-64	21.2%	24.1%	21.0%	24.5%
65+	<u>12.1%</u>	<u>17.9%</u>	<u>13.5%</u>	<u>15.0%</u>
Totals	100.0%	100.0%	100.0%	100.0%
Total Population	24,033	18,891	29,209	3,918,137

SOURCE: U.S. Census Bureau, 2014-2018 American Community Survey

**Percent of Total Population by Race and Ethnicity for Weatherford Regional Hospital Medical Service Areas, Custer County and Oklahoma**

Race/Ethnic Groups	Primary Medical Service Area	Secondary Medical Service Area	Custer County	Oklahoma
<b>14-18 ACS</b>				
White	84.8%	73.6%	80.2%	72.4%
Black	2.4%	2.6%	3.2%	7.3%
Native American <sup>1</sup>	2.8%	9.3%	3.3%	7.5%
Other <sup>2</sup>	3.9%	6.9%	5.0%	4.9%
Two or more Races <sup>3</sup>	6.0%	7.6%	8.2%	7.7%
Hispanic Origin <sup>4</sup>	<u>14.0%</u>	<u>22.3%</u>	<u>18.0%</u>	<u>10.4%</u>
Total Population	24,033	18,891	29,209	3,918,137

SOURCE: U.S. Census Bureau, 2014-2018 American Community Survey

For additional information, please contact:  
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 Corie Kaiser, Director, [corie.kaiser@okstate.edu](mailto:corie.kaiser@okstate.edu)  
 Oklahoma Office of Rural Health

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# Weatherford Regional Hospital Economic Impact



## Healthcare, especially a hospital, plays a vital role in local economies.

Weatherford Regional Hospital **directly** employs **128** people with an annual payroll of nearly **\$7.3 million** including benefits

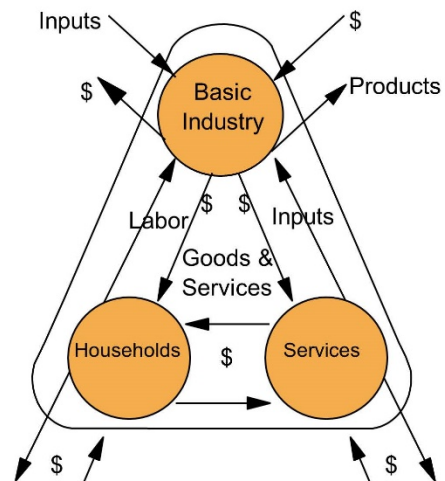
- These employees and income create an additional **73** jobs and over **\$1.9 million** in income as they interact with other sectors of the local economy
- **Total impacts= 201 jobs and over \$9.2 million**
- Other segments of the healthcare sector (Doctors, Nursing Homes, Pharmacies, EMS, etc.) provide another **563 jobs** and an additional **\$32.3 million** in wages
- Their interactions and transactions within the local economy including the hospital's impact create:
- **Total health sector impacts= 948 jobs and \$48.1 million**
- Over **\$14.8 million** in retail sales generated from the presence of the health sector

### Healthcare and Your Local Economy:

- Attracts retirees and families
- Appeals to businesses looking to establish and/or relocate
- High-quality healthcare services and infrastructure foster community development
- Positive impact on retail sales of local economy

### Consider what could be lost without the hospital:

- Pharmacies
- Physicians/Specialists
- Potential Retail Sales



Source: Doeksen, G.A., T. Johnson, and C. Willoughby. 1997. Measuring the Economic Importance of the Health Sector on a Local Economy: A Brief Literature Review and Procedures to Measure Local Impacts

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*This project is/was supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number U2WRH33319 and title: Medicare Rural Hospital Flexibility Grant Program for \$673,496, 0% financed with nongovernmental sources. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.*



## Appendix D- Health Data

### Health Indicators and Outcomes for Custer County *As part of the Community Health Needs Assessment*

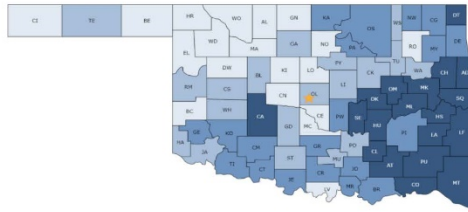
Table 1. Health Factors (Overall Rank 21)

Category (Rank)	Custer County	Error Margin	Top U.S. Performers	Oklahoma
<b>Health Behaviors (43)</b>				
Adult Smoking	18%	17-19%	14%	20%
Adult Obesity	38%	31-44%	26%	34%
Food Environment Index	6.9		8.6	5.7
Physical Inactivity	31%	26-37%	20%	29%
Access to Exercise Opportunities	76%		91%	71%
Excessive Drinking	15%	14-16%	13%	14%
Alcohol-Impaired Driving Deaths	14%	6-25%	11%	26%
Sexually Transmitted Infections	597		161	553
Teen Births	40	36-45	13	36
<b>Clinical Care (27)</b>				
Uninsured	20%	18-23%	6%	17%
Primary Care Physicians	1,800:1		1,030:1	1,620:1
Dentists	1,810:1		1,240:1	1,640:1
Mental Health Providers	170:1		290:1	250:1
Preventable Hospital Stays	5,259		2,761	4,926
Mammography Screening	34%		50%	37%
Flu Vaccinations	50%		53%	48%
<b>Social &amp; Economic Factors (9)</b>				
High School Graduation	92%		96%	83%
Some College	62%	54-69%	73%	60%
Unemployment	2.4%		2.6%	3.4%
Children in Poverty	19%	13-24%	11%	21%
Income Inequality	5.3	4.5-6.2	3.7	4.7
Children in Single-Parent Household	33%	24-42%	20%	34%
Social Associations	17.4		18.4	11.6
Violent Crime Rate	153		63	428
Injury Deaths	86	71-101	58	94
<b>Physical Environment (40)</b>				
Air-Pollution- Particulate Matter	8.2		6.1	9.4
Drinking Water Violations	Yes			
Severe Housing Problems	16%	12-20%	9%	14%
Driving Alone to Work	83%	80-86%	72%	82%
Long Commute- Driving Alone	18%	14-21%	16%	27%

Source: County Health Rankings & Roadmaps; University of Wisconsin Population Health Institute; Robert Wood Johnson Foundation



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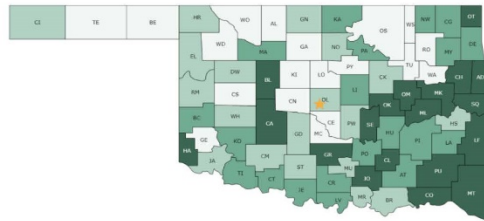
Health Factor Ranks 1 to 19 20 to 38 39 to 58 59 to 77

County Health Rankings & Roadmaps  
Building a Culture of Health, County by County  
A Robert Wood Johnson Foundation program

**Table 2. Health Outcomes (Overall Rank 19)**

Category (Rank)	Custer County	Error Margin	Top U.S. Performers	Oklahoma
<b>Length of Life (19)</b>				
Premature Death	9,000	7,800-10,200	5,500	9,200
<b>Quality of Life (19)</b>				
Poor or Fair Health	20%	19-21%	12%	21%
Poor Physical Health Days	4.3	4.2-4.5	4.1	4.5
Poor Mental Health Days	4.6	4.4-4.7	3.4	4.9
Low Birth Weight	7%	6-8%	6%	8%

Source: County Health Rankings & Roadmaps; University of Wisconsin Population Health Institute; Robert Wood Johnson Foundation



Health Outcome Ranks 1 to 19 20 to 38 39 to 58 59 to 77

County Health Rankings & Roadmaps  
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Oklahoma Office of Rural Health

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## Appendix E- Survey Form and Results

### Weatherford Regional Hospital Local Health Services Survey

Please return completed survey by June 5, 2020

The zip code of my residence is: \_\_\_\_\_

What is your current age: \_\_\_\_\_ What is your gender: \_\_\_\_\_

1. Has your household used the services of a hospital in the past 24 months?  
☐ Yes (*Go to Q2*)      ☐ No (*Skip to Q7*)      ☐ Don't know (*Skip to Q7*)
2. At which hospital(s) were services received? (*please check/list all that apply*)  
☐ Weatherford Regional Hospital (*Skip to Q4*)      ☐ Other (*Please specify Hospital and City, then go to Q3*)

---

If you responded in Q2 that your household received care at a hospital other than Weatherford Regional

3. Hospital, why did you or your family member choose that hospital? (*Please answer then skip to Q6*)  
☐ Physician referral      ☐ Quality of care/Lack of confidence  
☐ Closer, more convenient location      ☐ Availability of specialty care  
☐ Insurance reasons      ☐ Other (*Please list below*)

---

If you responded in Q2 that your household received care at Weatherford Regional Hospital, what hospital

4. service(s) were used?  
☐ Diagnostic imaging (X-ray, CT, Ultrasound)      ☐ Hospital Inpatient  
☐ Laboratory      ☐ Skilled nursing (swing bed)  
☐ Outpatient infusion/Shots      ☐ Emergency room (ER)  
☐ Physician services      ☐ Surgical services  
☐ Physical or speech therapy      ☐ Urgent care  
☐ Other (*Please list below*)

- 
5. How satisfied was your household with the services you received at Weatherford Regional Hospital?  
☐ Satisfied      ☐ Dissatisfied      ☐ Don't know

6. Has your household been to a specialist in the past 24 months?  
☐ Yes      ☐ No (*Skip to Q10*)      ☐ Don't know (*Skip to Q10*)

What type of specialist has your household been to in the past 24 months and in which city were they located?

7.

Type of Specialist	City

8. Did the specialist request further testing, laboratory work and/or x-rays?  
☐ Yes      ☐ No      ☐ Don't know

9. If yes, in which city were the tests or laboratory work performed?

---

*Continue on reverse side...*

10. What kind of medical provider do you use for routine care *(Please select all that apply)* ?

- |   |  |
|---|--|
| <input type="checkbox"/> Primary Care physician     | <input type="checkbox"/> Mid-Level Clinic (Nurse Practitioner or PA) |
| <input type="checkbox"/> Tribal Health Center       | <input type="checkbox"/> Emergency Room/Hospital                     |
| <input type="checkbox"/> Income Based Health Center | <input type="checkbox"/> Specialist                                  |
| <input type="checkbox"/> Urgent care/Walk in clinic | <input type="checkbox"/> Other <i>(Please list below)</i>            |
| <input type="checkbox"/> Health Department          |  |
- 

11. Has your household been to a primary care (family) doctor in the Weatherford area?

- ☐ Yes *(Go to Q12)*      ☐ No *(Skip to Q13)*      ☐ Don't know *(Skip to Q13)*

12. How satisfied was your household with the quality of care received in the Weatherford area?

- ☐ Satisfied      ☐ Dissatisfied      ☐ Don't know

13. Do you think there are enough primary care (family) doctors practicing in the Weatherford area?

- ☐ Yes      ☐ No      ☐ Don't know

Are you able to get an appointment, within 48 hours, with your primary care (family) doctor when you need

14. one?

- ☐ Yes      ☐ No      ☐ Don't know

15. Have you used the services of a walk-in, urgent care or after hours clinic in the past 24 months?

- ☐ Yes      ☐ No      ☐ Don't know

16. Would you utilize a walk in and/or after hours clinic if offered in Weatherford?

- ☐ Yes      ☐ No      ☐ Don't know

17. What concerns you most about health in the Weatherford area *(Please select all that apply)* ?

- |   |   |
|---|---|
| <input type="checkbox"/> Heart disease  | <input type="checkbox"/> Substance abuse              |
| <input type="checkbox"/> Cancers        | <input type="checkbox"/> Obesity                      |
| <input type="checkbox"/> Diabetes       | <input type="checkbox"/> Accessing primary care       |
| <input type="checkbox"/> Dental         | <input type="checkbox"/> Accessing specialty services |
| <input type="checkbox"/> Teen Pregnancy | <input type="checkbox"/> Motor vehicle crashes        |
| <input type="checkbox"/> Suicide        | <input type="checkbox"/> Other                        |
| <input type="checkbox"/> Mental health  |   |
- 

18. What additional health and wellness services would you like to see offered in the Weatherford area?

---

Has your household used telemedicine services, a visit either by telephone or video with your provider, in the

19. past year?

- ☐ Yes      ☐ No *(Skip to Q21)*      ☐ Don't know *(Skip to Q21)*

20. How satisfied was your household with the quality of care received via telemedicine?

- ☐ Satisfied      ☐ Dissatisfied      ☐ Don't know

21. How would you prefer to be notified of community events?

*(Please select all that apply)*

- |                                    |                                  |                                       |
|------------------------------------|----------------------------------|---------------------------------------|
| <input type="checkbox"/> Newspaper | <input type="checkbox"/> Email   | <input type="checkbox"/> Social Media |
| <input type="checkbox"/> Radio     | <input type="checkbox"/> Website |                                       |

*Please mail completed survey*

*to:*

Weatherford Regional Hospital  
3701 E Main St.  
Weatherford, OK 73096

*Or, return to hospital  
administration*



# Weatherford Regional Hospital Survey Results and Primary Care Physician Demand Analysis

Corie Kaiser, Director  
Lara Brooks, Rural Health Analyst

Oklahoma Office of Rural Health



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Photo Courtesy of David Waters

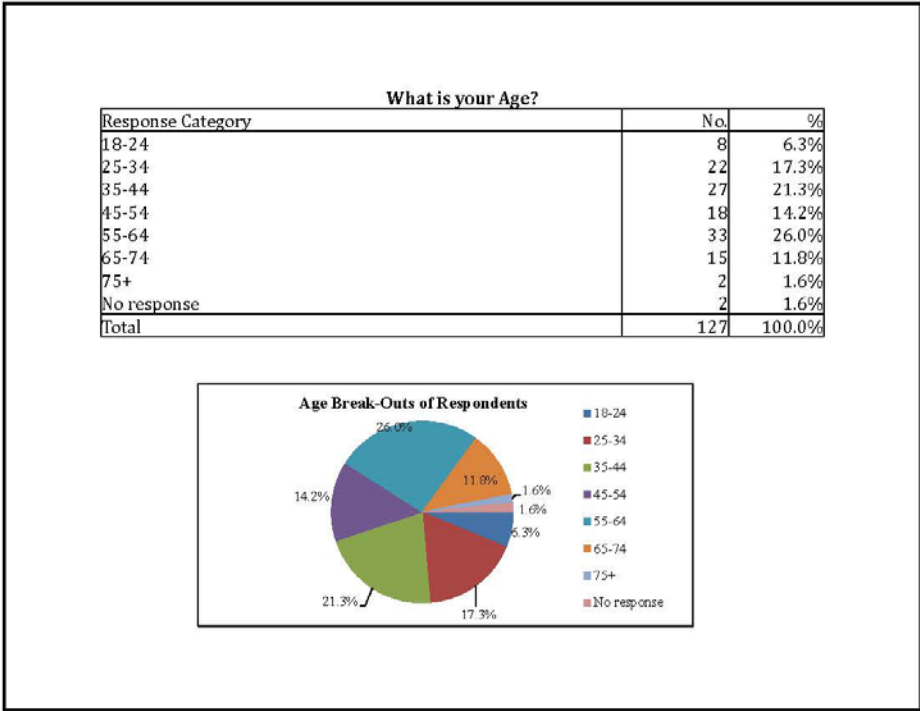
OSU Center for Rural Health • Tulsa, Oklahoma • @osururalhealth • <http://ruralhealth.okstate.edu>

1

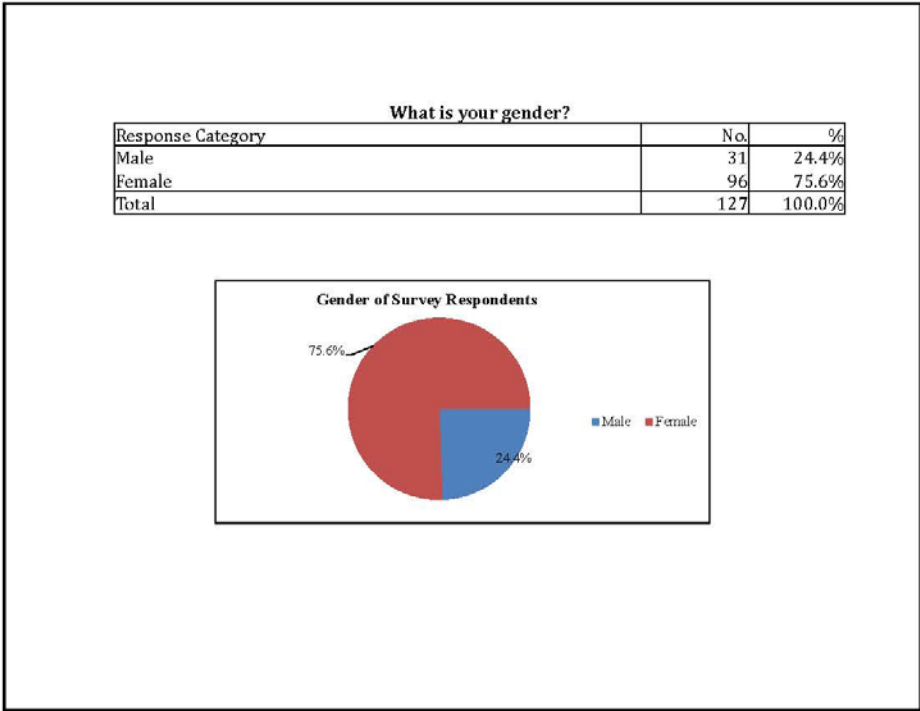
Zip Code of Residence		
Response Category	No.	%
73096- Weatherford	100	78.7%
73048- Hydro	11	8.7%
73669- Thomas	4	3.1%
73601- Clinton	2	1.6%
73062- Mountain View	2	1.6%
73622- Bessie	1	0.8%
73639- Custer City	1	0.8%
73646- Fay	1	0.8%
73072- Norman	1	0.8%
73056- Marshall	1	0.8%
73043- Greenfield	1	0.8%
73024- Corn	1	0.8%
No response	1	0.8%
Total	127	100.0%

\*150 Responses in 2017

2



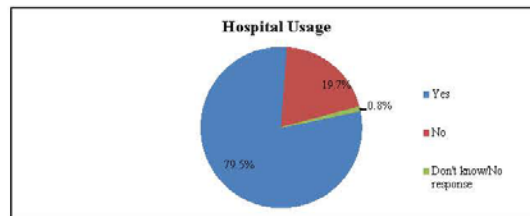
3



4

**Has your household used the services of a hospital in the past 24 months?**

Response Category	No.	%
Yes	101	79.5%
No	25	19.7%
Don't know/No response	1	0.8%
Total	127	100.0%



5

**Where did you receive hospital services?**

Response Category	No.	%
Weatherford Regional Hospital, Weatherford	89	68.5%
INTEGRIS Canadian Valley, Yukon	5	3.8%
Mercy Hospital Oklahoma City	5	3.8%
Oklahoma Heart Hospital, Oklahoma City	3	2.3%
McBride Orthopedic Hospital, Oklahoma City	3	2.3%
AllianceHealth Clinton	3	2.3%
Great Plains Regional Medical Center, Elk City	3	2.3%
INTEGRIS Deaconess, Oklahoma City	2	1.5%
INTEGRIS Baptist Medical Center, Oklahoma City	2	1.5%
Clinton Indian Health Center, Clinton	2	1.5%
INTEGRIS, No location	2	1.5%
OU Medical Center, Oklahoma City	1	0.8%
Mercy Breast Center- Coletta, Oklahoma City	1	0.8%
Oklahoma Spine Hospital, Oklahoma City	1	0.8%
Mercy Orthopedic Associates, Oklahoma City	1	0.8%
The Children's Hospital at OU Medical Center, Oklahoma City	1	0.8%
SSM Health St. Anthony Hospital, Oklahoma City	1	0.8%
Stephenson Cancer Center, Oklahoma City	1	0.8%
Mercy Hospital Watonga	1	0.8%
Xpress Wellness, Weatherford	1	0.8%
Clinic visit, Hydro	1	0.8%
Clinic visit, No location	1	0.8%
Total*	130	100.0%

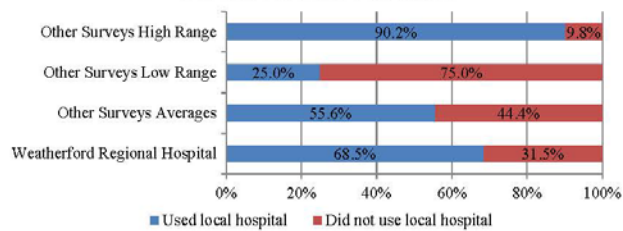
\*Some respondents answered more than once. Average hospitals visited per respondent = 1.29

6

**Hospital utilization comparison- Weatherford Regional Hospital compared to previous community surveys**

Survey Area	Used local hospital	Did not use local hospital
Weatherford Regional Hospital	68.5%	31.5%
Other Surveys Averages	55.6%	44.4%
Other Surveys Low Range	25.0%	75.0%
Other Surveys High Range	90.2%	9.8%

**Hospital Utilization Comparison**



\*The usage rate was 60.7% in 2017

7

**If you responded in question 2 that your household received care at a hospital other than Weatherford Regional Hospital, why did you or your family member choose that hospital?**

Response Category	No.	%
Availability of specialty care	23	41.1%
Physician referral/Poison Control referral	15	26.8%
Quality of care/Lack of confidence	6	10.7%
Closer, more convenient location	5	8.9%
Insurance reasons/Indian Health Services	4	7.1%
Cost of care/Cash prices	1	1.8%
Emergency test needed	1	1.8%
Utilized urgent care	1	1.8%
Total*	56	100.0%

\*Some respondents selected more than one category.

8

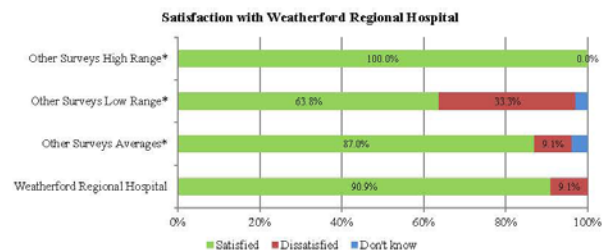
What hospital services were used at Weatherford Regional Hospital?		
Response Category	No.	%
Laboratory	72	27.5%
Diagnostic Imaging (X-ray, CT, Ultrasound)	60	22.9%
Urgent Care	38	14.5%
Emergency Room (ER)	36	13.7%
Physician services	23	8.8%
Surgical services	12	4.6%
Hospital inpatient	9	3.4%
Outpatient services	6	2.3%
Physical or Speech therapy	2	0.8%
Skilled nursing/Swing bed	2	0.8%
Stress test	1	0.4%
Convenient care for flu test	1	0.4%
Total*	262	100.0%

\*Some respondents selected more than one category. Average number of services used per respondent = 2.94

9

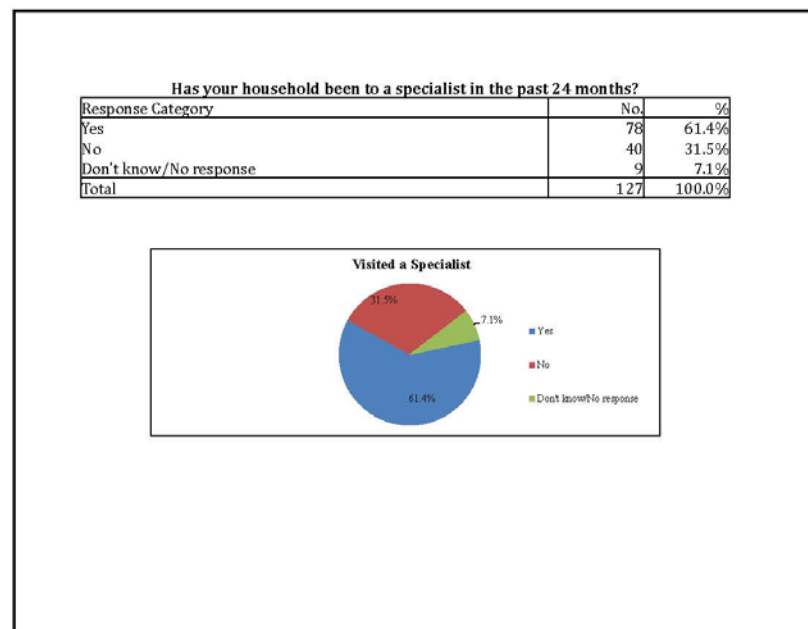
**How satisfied were you or someone in your household with the services you received at Weatherford Regional Hospital?**

Survey Area	Satisfied	Dissatisfied	Don't know
Weatherford Regional Hospital	90.9%	9.1%	0.0%
Other Surveys Averages*	87.0%	9.1%	3.9%
Other Surveys Low Range*	63.8%	33.3%	2.9%
Other Surveys High Range*	100.0%	0.0%	0.0%



\*Hospital satisfaction rate= 77.9% in 2017

10



11

**What type of specialist has your household been to and in which city did you receive that care?**

Type of Specialist	City	No.	%
Cardiologist	No location (7); Weatherford (4); Oklahoma City (3)	14	13.5%
Orthopedist /Ortho Surg.	Oklahoma City (4); No location (4); Weatherford (2)	10	9.6%
OB/GYN	No location (4); Oklahoma City (3); Clinton (2); Yukon (1)	10	9.6%
Dermatologist	Oklahoma City (6); No location (3)	9	8.7%
Otolaryngologist	Oklahoma City (3); No location (3); Weatherford (2); Norman (1)	9	8.7%
Urologist	No location (3); Oklahoma City (2); Weatherford (2); Elk City (1)	8	7.7%
Surgeon	Weatherford (2); No location (2); Oklahoma City (1); Elk City (1); Yukon (1)	7	6.7%
Rheumatologist	No location (4); Oklahoma City (2)	6	5.8%
Oncologist	Oklahoma City (4); No location (2)	6	5.8%
Pulmonologist	Oklahoma City (2); Weatherford (1); No location (1)	4	3.8%

\*Top 5 Specialists in 2017: Orthopedist/Orthopedic Surg. (26); OB/GYN (22); Urologist (8); Otolaryngologist (7); Dermatologist (6)

12

**What type of specialist has your household been to and in which city did you receive that care?**

Type of Specialist	City	No.	%
Gastroenterologist	No location (2); Oklahoma City (1)	3	2.9%
Neurologist	Oklahoma City (3)	3	2.9%
Allergist	Oklahoma City (2)	2	1.9%
Endocrinologist	Oklahoma City (1); Weatherford (1)	2	1.9%
Radiologist	Oklahoma City (1); Yukon (1)	2	1.9%
Ophthalmologist	No location (2)	2	1.9%
Pain Management	Elk City (1); Oklahoma City (1)	2	1.9%
Audiologist	Oklahoma City (1)	1	1.0%
Retina	Oklahoma City (1)	1	1.0%
Pediatric Neurologist	Oklahoma City (1)	1	1.0%
Perinatal	Oklahoma City (1)	1	1.0%
Psychiatrist	Oklahoma City (1)	1	1.0%
Total*		104	100.0%

\*Some respondents answered more than once. 78 respondents had seen a specialist. Those 78 respondents reported visiting an average of 1.33 specialists.

13

**Did the specialist request further testing, laboratory work and/or x-rays?**

Response Category	No.	%
Yes	65	83.3%
No	13	16.7%
Total	78	100.0%

**If yes, in which city were the tests or laboratory work performed?**

Response Category	No.	%
Oklahoma City	39	54.9%
Weatherford	23	32.4%
Elk City	3	4.2%
Yukon	2	2.8%
Clinton	1	1.4%
Edmond	2	2.8%
Enid	1	1.4%
Total*	71	100.0%

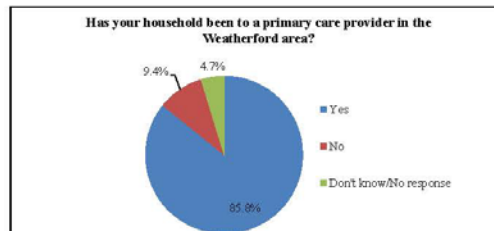
\*Some respondents answered more than once. Average responses equal 1.09

14

What type of medical provider do you use for routine care?		
Response Category	No.	%
Primary care physician	106	58.9%
Urgent care/Walk in clinic	35	19.4%
Mid-level clinic (nurse practitioner or PA)	15	8.3%
Specialist	10	5.6%
Tribal health center	8	4.4%
Emergency room/Hospital	4	2.2%
Health Department	2	1.1%
Total	180	100.0%

15

Has your household been to a primary care doctor in the Weatherford area?		
Response Category	No.	%
Yes	109	85.8%
No	12	9.4%
Don't know/No response	6	4.7%
Total	127	100.0%

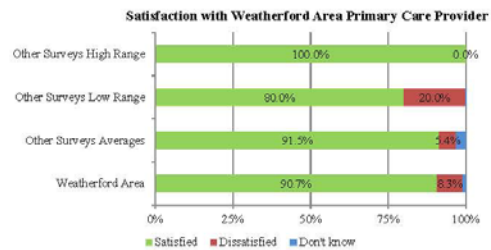


16



**How satisfied were you or someone in your household with the quality of care received in the Weatherford area?**

Response Category	Satisfied	Dissatisfied	Don't know
Weatherford Area	90.7%	8.3%	1.0%
Other Surveys Averages	91.5%	5.4%	3.1%
Other Surveys Low Range	80.0%	20.0%	0.6%
Other Surveys High Range	100.0%	0.0%	0.0%



\*Primary Care satisfaction rate= 92.5% in 2017

17

**Do you think there are enough primary care (family) doctors practicing in the Weatherford area?**

Response Category	No.	%
Yes	53	41.7%
No	42	33.1%
Don't know/No response	32	25.2%
Total	127	100.0%

**Are you able to get an appointment, within 48 hours, with your primary care doctor when you need one?**

Response Category	No.	%
Yes	75	59.1%
No	27	21.3%
Don't know/No response	25	19.7%
Total	127	100.0%

18

Have you used the services of a walk-in, urgent care or after hours clinic in the past 24 months?

Response Category	No.	%
Yes	84	66.1%
No	32	25.2%
Don't know /No response	11	8.7%
Total	127	100.0%

Would you utilize a walk in and/or after hours clinic if offered in Weatherford?

Response Category	No.	%
Yes	99	78.0%
No	3	2.4%
Don't know /No response	25	19.7%
Total	127	100.0%

19

What concerns you most about health in the Weatherford area?

	No.	%
Accessing specialty services	49	15.5%
Mental health	43	13.6%
Cancers	40	12.6%
Heart disease	39	12.3%
Obesity	32	10.1%
Diabetes	30	9.5%
Accessing primary care	23	7.3%
Motor vehicle crashes	14	4.4%
Suicide	12	3.8%
Teen pregnancy	8	2.5%
Dental	7	2.2%
None /Don't know/Satisfied	2	0.6%
COVID-19	1	0.3%
Joint replacement surgery	1	0.3%
Lack of board certified pediatrician and OB/GYN	1	0.3%
Emergency room	1	0.3%
Pain management	1	0.3%
Uninsured accessing primary care services	1	0.3%
Need for more physicians	1	0.3%
All of the above	1	0.3%
No response	10	3.2%
Total	317	100.0%

20

**What additional health and wellness services would you like to see offered in the Weatherford area?**

Response Category	No.	%
Specialists: OB/GYN (17); Dermatologist (10); Specialists in general (9); Oncologist (4); Cardiologist (3); Orthopedist (3); Pediatrician (3); Rheumatologist (2); Urologist (1); Internal Medicine (1); Gastroenterologist (1); Neurologist (1); Psychologist (1); Endocrinologist (1); General Surgeon (1)	58	39.2%
Don't know/No additional services	22	14.9%
Mental health services/Substance abuse	7	4.7%
Improved quality of care/Therapy services/Emergency care	4	2.7%
Gym access: 24 hour gym, More classes, Discounts, Free childcare for members	4	2.7%
Orthopedic procedures/Hip replacement surgery/More surgeries in Weatherford	3	2.0%
More primary care	3	2.0%
Speech therapy	2	1.4%
Geriatric care/Services	2	1.4%
After hours care	2	1.4%
Wellness classes	2	1.4%

21

**What additional health and wellness services would you like to see offered in the Weatherford area? (Continued)**

Response Category	No.	%
Support groups for health issues and caregivers	1	0.7%
Women's health	1	0.7%
Weight loss	1	0.7%
Teen inpatient drug rehab	1	0.7%
Community center for athletics and events	1	0.7%
More services rather than driving to Oklahoma City	1	0.7%
More frequent services for the uninsured	1	0.7%
Cardiac services	1	0.7%
Pool for physical therapy	1	0.7%
Pediatric services	1	0.7%
Kidney dialysis	1	0.7%
Skin care	1	0.7%
Blood pressure monitoring	1	0.7%
Telemedicine services	1	0.7%
Services for homeless population	1	0.7%
More nutritional restaurants	1	0.7%
No response	23	15.5%
<b>Total</b>	<b>148</b>	<b>100.0%</b>

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Has your household used telemedicine services, a visit either by telephone or video with your provider, in the past year?

Response Category	No.	%
Yes	50	39.4%
No	68	53.5%
Don't know/No response	9	7.1%
Total	127	100.0%

How satisfied was your household with the quality of care received via telemedicine?

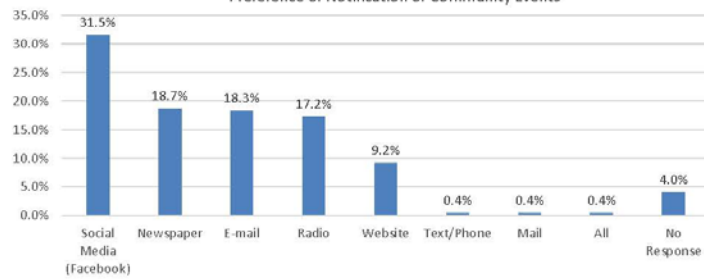
Response Category	No.	%
Satisfied	40	80.0%
Dissatisfied	5	10.0%
Don't know	5	10.0%
Total	50	100.0%

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How would you prefer to be notified of community events?

Outlet	No.	%
Social Media (Facebook)	86	31.5%
Newspaper	51	18.7%
E-mail	50	18.3%
Radio	47	17.2%
Website	25	9.2%
Text/Phone	1	0.4%
Mail	1	0.4%
All	1	0.4%
No Response	11	4.0%
Total	273	100.0%

Preference of Notification of Community Events



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Table 1. Weatherford Regional Hospital Medical Service Areas		
Zip Code	City	2014-2018 ACS Population
<i>Primary Medical Service Area</i>		
73096	Weatherford	13,684
73669	Thomas	1,750
73048	Hydro	2,438
73047	Hinton	5,135
73021	Colony	241
73024	Corn	785
	<b>Totals</b>	<b>24,033</b>
<i>Secondary Medical Service Area</i>		
73040	Geary	1,821
73033	Eakly	484
73015	Carnegie	3,011
73632	Cordell	3,337
73601	Clinton	10,238
	<b>Totals</b>	<b>18,891</b>

SOURCE: Population data from the U.S. Bureau of Census, 2014-2018 American Community Survey

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Table 2a. Annual Primary Care Physician Office Visits Generated in the Weatherford, Oklahoma, Medical Service Areas

PRIMARY MEDICAL SERVICE AREA							
Age	Male			Female			Total Visits
	14-18 Population	Visit Rate <sup>[3]</sup>	Visits	14-18 Population	Visit Rate <sup>[3]</sup>	Visits	
Under 15	2,020	2.7	5,454	2,329	2.5	5,823	11,277
15-24	2,840	1.1	3,124	2,764	1.9	5,252	8,376
25-44	3,593	1.3	4,671	2,490	2.8	6,972	11,643
45-64	2,666	2.6	6,932	2,418	3.4	8,221	15,153
65-74	686	4.6	3,156	936	4.7	4,399	7,555
75+	567	5.4	3,062	724	5.5	3,982	7,044
<b>Total</b>	<b>12,372</b>		<b>26,398</b>	<b>11,661</b>		<b>34,649</b>	<b>61,046</b>

*Primary Medical Service Area - Local Primary Care Physician office visits per year: 33,270*

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Table 2b. Annual Primary Care Physician Office Visits Generated in the Weatherford, Oklahoma, Medical Service Areas

SECONDARY MEDICAL SERVICE AREA							
Age	Male			Female			Total Visits
	14-18 Population	Visit Rate <sup>(3)</sup>	Visits	14-18 Population	Visit Rate <sup>(3)</sup>	Visits	
Under 15	2,287	2.0	4,574	2,251	2.1	4,727	9,301
15-24	1,088	2.4	2,611	1,014	1.9	1,927	4,538
25-44	2,212	3.0	6,636	2,093	2.9	6,070	12,706
45-64	2,122	4.2	8,912	2,439	3.8	9,268	18,181
65-74	883	6.1	5,386	955	6.0	5,730	11,116
75+	544	7.4	4,026	1,003	6.7	6,720	10,746
<b>Total</b>	<b>9,136</b>		<b>32,146</b>	<b>9,755</b>		<b>34,442</b>	<b>66,587</b>

*Secondary Medical Service Area - Local Primary Care Physician office visits per year: 36,290*

Source: U. S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center of Health Statistics, "National Ambulatory Medical Care Survey: 2016 Summary.

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Table 3. Primary Care Physician Office Visits Given Usage by Local Residents in the Weatherford, Oklahoma Medical Service Area

		Usage by Residents of Primary Service Area						
		70%	75%	80%	85%	90%	95%	100%
Usage by Residents of Secondary Service Area	5%	25,104	26,767	28,431	30,094	31,758	33,421	35,085
	10%	26,918	28,582	30,245	31,909	<b>33,572</b>	35,236	36,899
	15%	28,733	30,396	32,060	33,723	<b>35,387</b>	37,050	38,714
	20%	30,547	32,211	33,874	35,538	37,201	38,865	40,528
	25%	32,362	34,025	35,689	37,352	39,016	40,679	42,343
	30%	34,176	35,840	37,503	39,167	40,830	42,494	44,157
	35%	35,991	37,654	39,318	40,981	42,645	44,308	45,972
	40%	37,805	39,469	41,132	42,796	44,459	46,123	47,786
	45%	39,620	41,283	42,947	44,610	46,274	47,937	49,601
	50%	41,434	43,098	44,761	46,425	48,088	49,752	51,415

If 90% primary medical service area and 10 to 15% secondary medical service area, then the usage would be: 33,572 to 35,387 total primary care physician office visits in the Weatherford area for an estimated 8.0 to 8.5 Total Primary Care Physicians.  
(Based on 83.7 average weekly primary care physician visits with a 50 week year)

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