

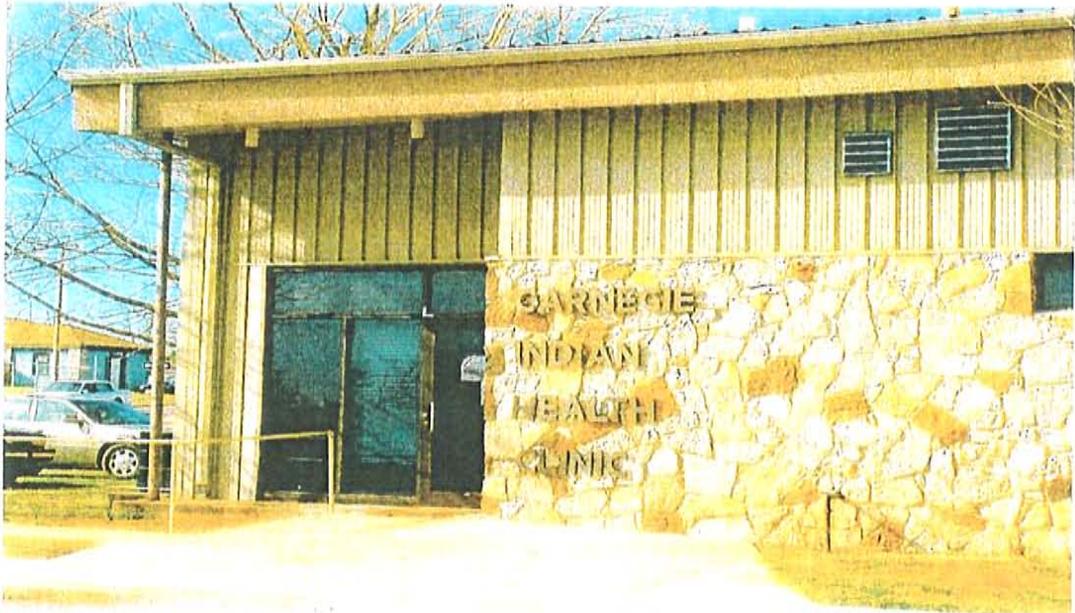
Carnegie Indian Health Center

Carnegie, Oklahoma

Outpatient Service Area

Carnegie Indian Health Center

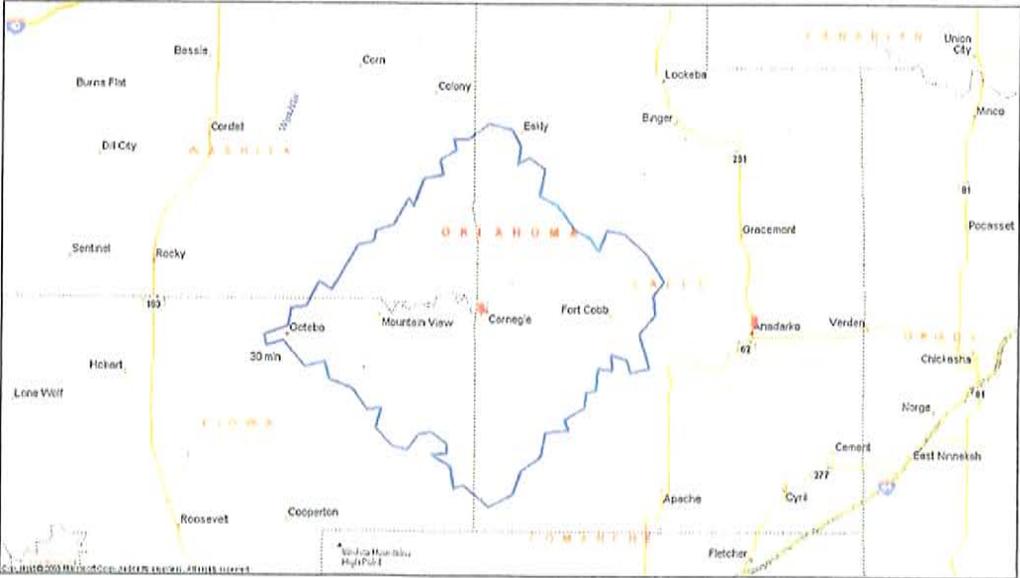
Service Area Profile



A. Location

Service Area – 30 minute drive time access

- | Service Area Communities |
|--------------------------|
| ● Albert |
| ● Alfalfa |
| ● Carnegie |
| ● Eakly |
| ● Fort Cobb |
| ● Gotebo |
| ● Mountain View |



B. Access

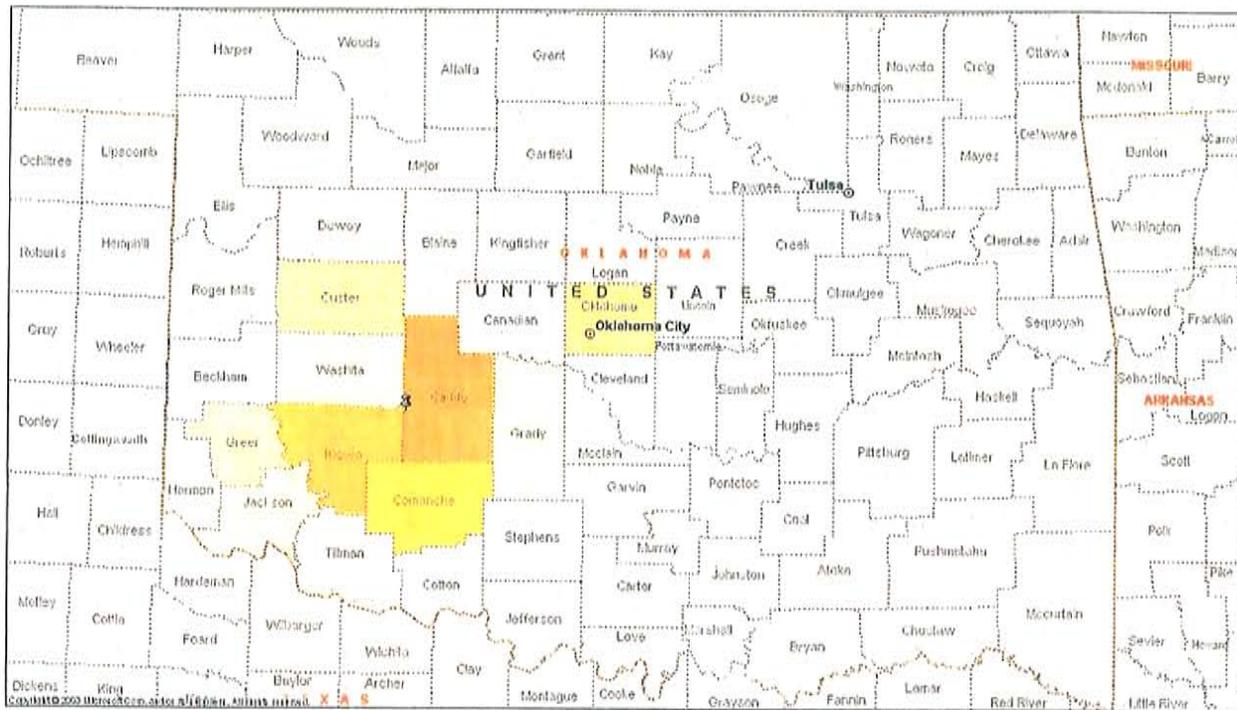
C. Demographics

CARNEGIE SERVICE UNIT 2004 USER POPULATION ANALYSIS (PLACEHOLDER)

County	Apache	Caddo	Chickasaw	Comanche	Delaware	Ft. Sill Apache	Kiowa	Wichita	All Other	2004 Total
Caddo	872	670	100	1,083	226	101	3,454	862	2,357	9,725
Comanche	184	117	240	3,506	12	26	1,277	78	1,783	7,223
Cotton	4	0	16	424	0	0	31	3	140	618
Grady	20	50	258	111	27	5	143	37	1,091	1,742
Harmon	0	0	0	2	0	0	0	0	21	23
Jackson	0	1	49	8	0	2	19	0	257	336
Jefferson	1	9	88	9	0	0	1	0	248	356
Kiowa	4	10	18	36	2	0	306	5	224	605
Stephens	5	29	369	94	2	0	31	1	1,284	1,815
Tillman	0	6	59	18	0	0	2	0	193	278
	1,090	892	1,197	5,291	269	134	5,264	986	7,598	22,721

County	2000 Census	User/Census	2014 HSP Projection	User/Proj	Census/Proj
Caddo	7,320	132.86%	8,821	110.25%	82.98%
Comanche	5,904	122.34%	9,383	76.98%	62.92%
Cotton	491	125.87%	834	74.10%	58.87%
Grady	2,206	78.97%	3,772	46.18%	58.48%
Harmon	37	62.16%	75	30.67%	49.33%
Jackson	494	68.02%	922	36.44%	53.58%
Jefferson	357	99.72%	500	71.20%	71.40%
Kiowa	645	93.80%	1,075	56.28%	60.00%
Stephens	2,123	85.49%	2,404	75.50%	88.31%
Tillman	249	111.65%	591	47.04%	42.13%
	19,826	114.60%	28,377	80.07%	69.87%

PCPVs by Community of Residence by County to the Carnegie Indian Health Center



D. Topography and Climate

The topography of the service area is comprised of flat areas with rolling hills. It is part of the Great Plains and is known in Oklahoma as the Red Bed Plains Area. The major river that drains the area is the Washita River and Cedar Creek.

Climatically the area is very changeable. Winds from the south to southeast are quite dominant. The average annual temperature is 16.1 degrees Celsius. For the most part, moderate weather conditions prevail; however, the temperatures do range from 35.6 degrees Celsius to -3.9 degrees Celsius. The average annual precipitation is 838.2 mm per year.

The weather is very changeable in temperature and winds. Tornadoes are not uncommon especially during spring and early summer months. Typically, there are about 6 events each year of hail exceeding one inch in diameter.

E. Housing and Public Facilities:

The City of Carnegie's total population is 1,637 people. The Indian population is 392 people. Housing is relatively limited in the area. Most Kiowa Indians within the Carnegie Service Area live in single family homes either owned by the family or rented. The condition of Indian

housing varies considerably, from old and in various states of disrepair and dilapidation, to relatively new brick homes.

Carnegie has a post office, grocery store, convenience stores, cafes and other public facilities such as a public park and library. There are local police and fire departments.

Oklahoma is located in the so-called Bible belt of the United States and nearly every community has an abundance of churches and other places of worship.

Lawton, with a total population of 92,757, is 59 kilometers South of Carnegie. Oklahoma City, with a total population of 506,132 kilometers is located 125 kilometers Northeast of Carnegie. Oklahoma City has commercial airports.

F. Utilities

The primary source for potable water is from wells. Other sources of water are lake reservoirs such as Fort Cobb Lake which is located just East of Carnegie. The majority of homes in the rural areas are supplied by either wells or rural water systems.

Natural gas for the Carnegie Service Area is abundant and, in general, supplied by the Oklahoma Natural Gas Company. Rural areas may use bottled gas (propane). A few Indian homes are still heated with wood stoves.

Electricity is supplied by the Public Service Company of Oklahoma. This source of electrical service is coupled with rural electrical co-ops. Both sources provide electricity to the majority of homes in the area.

Telephone services are widespread and are supplied by the Southwestern Bell Telephone Company in most of the Carnegie Service Area. The non-availability of telephone service is not a common problem in this service area. However, many Indian families cannot afford to pay for telephone services, which can be quite expensive in rural areas.

Television is widespread and with the rapid spread of cable and satellite systems, almost every small town has access to cable or satellite television. Otherwise, reception is limited to Oklahoma City stations and public television.

G. Education

Public Schools are located in every small city or town in the Service Area for grades a-12.

Carnegie is one of the State districts which is served by an Area Vocational Technical School operating at Fort Cobb.

Southwestern Oklahoma State University is located in Weatherford, 51 kilometers North of Carnegie. This institution offers both BA and BSA degrees in a variety of fields, as well as Masters Degrees in Education, Music, Business and Psychology. It has a widely known School

of Pharmacy; a school for registered Medical Records Librarians; and a Laboratory Technologist Program.

H. Economy

Agriculture and government enterprises are two major employers in the Service Area. People living in the eastern of southern part of the Service Area may be able to commute to Anadarko or Lawton for work.

Many Indians are employed in local services and trade, or in the governmental services. The Kiowa Tribe of Oklahoma tribal complex is also located in Carnegie, which provides another source of employment for Indians in the Carnegie Service Area.

I. Social and Political

Caddo County was originally part of the Kiowa, Comanche, and Apache Reservation. Although many of the Indians still reside in rural areas, most live in or near the towns of Lawton and Anadarko. In 1867, the Kiowa, Comanche and Apache signed the Treaty of Medicine Lodge which established that they should settle in Oklahoma.

The Kiowas are of the Aztec-Tanoan linguistic stock. The Kiowa, nomadic people of the Plains area, occupied Western Montana in the 17th Century. By 1700, they had moved to an area Southeast of the Yellowstone River, where they met the Crows. In 1790, the Kiowa reached a permanent peace with the Comanches, and according to Lewis and Clark, the Kiowa were on the North Platte River in 1805.

They had traditionally used only dogs and travois for travel, but as they slowly moved south, they acquired horses and changed their lifestyle. They became true Plains Indians, living by horse and buffalo. The buffalo played a significant role in the life of the Kiowa as a major source of food and raw materials for their living necessities. They were fierce warriors and are credited with stopping the progress of the Pacific Railroads westward for 40 years

Current Services:

- Family Practice
- Podiatry
- Pharmacy
- Public Health Nursing

Building Area Summary...	<u>Template Or Discipline</u>	<u>Net Square Meters</u>	<u>Conversion Factor</u>	<u>Department Gross Square Meters</u>
<u>Ambulatory</u>				
Primary Care	PC1	291.60	N/A	451.00
<u>SupportServices</u>				
Education & Group Consultation	EGC	14.00	1.10	15.40
Employee Facilities	EF	75.80	1.20	90.96
Housekeeping & Linen	HL1	25.50	1.10	28.00
Housekeeping & Linen	HL	16.00	1.10	17.60
Public Facilities	PF	47.00	1.20	56.40
				Department Gross Square Meters 659.36
				Building Circulation & Envelope (.20) 131.87
				Floor Gross Square Meters 791.23
				Major Mechanical Space (.12) 94.95
				Building Gross Square Meters 886.18

Workload Summary...

	Year	Total Workload	Contracted Due To Acuity	Threshold	Unmet Need	Cross over	HSP Facility Workload	Proj Estimated Facility Workload
<u>Acute Care</u>								
Medical Bed days	2001	212	64	148				
	2015	233	70	163				
Pediatric Bed days	2001	89	12	77				
	2015	95	13	82				
Surgical Bed days	2001	138	50	88				
	2015	148	53	95				
<u>Audiology</u>								
Audiology Visits	2001	235		235				
	2015	258			258		258	
<u>Clinical Engineering</u>								
Clinical Engineering	2001	95			95		95	
	2015	104			104		104	
<u>Dental Care</u>								
Dental Service Minutes	2001	188195		188195				
	2015	205865		205865				
<u>Diagnostic Imaging</u>								
CT/MRI Exams	2001	14	14					
	2015	15	15					
Fluoroscopy Exams	2001	49		49				
	2015	53		53				
General Radiography	2001	585		585				
	2015	640		640				
MAMMOGRAPHY	2001	306		306				
	2015	333		333				
Ultrasound Exams	2001	97		97				
	2015	107		107				
<u>Education & Group Consultation</u>								
# of staff	2015	11			11		11	
<u>Emergency</u>								
Emergency Room Visits	2001	878		878				
	2015	958		958				
<u>Eye Care</u>								
Optometrist Visits	2001	648		648				
	2015	712		712				
<u>Facility Management</u>								
Service index	2001	6			6		6	
	2015	6			6		6	
<u>Housekeeping & Linen</u>								
Lbs of Linen	2001	1017			1017		1017	

Workload Summary...

	<u>Year</u>	<u>Total Workload</u>	<u>Contracted Due To Acuity Threshold</u>		<u>Unmet Need</u>	<u>Cross over</u>	<u>HSP Facility Workload</u>	<u>Projected Estimated Facility Workload</u>
	2015	1113			1113		1113	
<u>Intensive Care</u>								
Intensive Care bed days	2001	43	20	23				
	2015	46	21	25				
<u>Laboratory</u>								
Chem/Hema/Immun/Urin	2001	6066	364		5702		5702	
	2015	6635	398		6237		6237	
Histo/Cytology billable	2001	14	14					
	2015	15	15					
Microbiology billable tests	2001	1246	498		748		748	
	2015	1363	545		818		818	
Transfusion/BB billable	2001	111	2	109				
	2015	122	2	120				
<u>Mental Health</u>								
Mental Health Visits	2001	321			321		321	
	2015	351			351		351	
<u>Pharmacy</u>								
Inpatient Pharmacy	2001							
	2015							
Outpatient Pharmacy	2001	89067			89067		89067	
	2015	97431			97431		97431	
<u>Physical Therapy</u>								
Inpatient Physical Therapy	2001							
	2015							
OUTPATIENT PHYSICAL	2001	964		964				
	2015	1056		1056				
<u>Primary Care</u>								
Primary Care Provider	2001	6964			6964		6964	
	2015	7616			7616		7616	
<u>Property & Supply</u>								
Storage Index	2001	1776			1776		1776	
	2015	1942			1942		1942	
<u>Psychiatric Nursing</u>								
Psych Bed days	2001	32	7	25				
	2015	34	7	27				
<u>Public Health Nursing</u>								
Public Health Nursing	2001	630			630		630	
	2015	693			693		693	
<u>Respiratory Therapy</u>								

Workload Summary...

	<u>Year</u>	<u>Total Workload</u>	<u>Contracted Due To Acuity Threshold</u>	<u>Unmet Need</u>	<u>Cross over</u>	<u>HSP Facility Workload</u>	<u>Proj Estimated Facility Workload</u>
Respiratory Therapy work	2001	5305		5305			
	2015	5804		5804			
<u>Specialty Care</u>							
Specialist Visits	2001	355		355			
	2015	386		386			
<u>Sub-Acute</u>							
SubAcute Bed days	2001	151		151			
	2015	166		166			
<u>Surgery</u>							
Inpatient Episodes	2001	48	13	35			
	2015	54	15	39			
Outpatient Episodes	2001	60	17	43			
	2015	62	17	45			

Current / Projected User Population... Health Center Service Area - (PC)

(Acute Care, Audiology, Dental Care, Diagnostic Imaging, Emergency, Eye Care, Intensive Care, Labor & Delivery/Nursery, Mental Health, Physical Therapy, Primary Care, Psychiatric Nursing, Public Health Nursing, Specialty Care, Sub-Acute, Surgery)

LAWTON - ALBERT (CADD)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001			1			1	2		1			5
prj) 2015			1			1	2		1			5
Female												
cur) 2001			1		2		1	1				5
prj) 2015			1		2		1	1				5

LAWTON - ALFALFA (CADD)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001												
prj) 2015												
Female												
cur) 2001			1									1
prj) 2015			1									1

LAWTON - CARNEGIE (CADD)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001	7	44	52	87	61	61	67	67	55	28	47	576
prj) 2015	8	47	56	93	66	66	72	72	59	30	50	619
Female												
cur) 2001	5	52	43	44	66	61	59	94	63	47	55	589
prj) 2015	5	56	46	47	71	66	63	101	68	50	59	632

LAWTON - EAKLY (CADD)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001			2	1	1	3		1	3	1		12
prj) 2015			2	1	1	3		1	3	1		12
Female												
cur) 2001		2	1				2	2	2	2		11
prj) 2015		2	1				2	2	2	2		11

LAWTON - FORT COBB (CADD)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
cur) 2001	1	18	28	28	32	21	29	22	18	14	26	237
prj) 2015	1	19	30	30	34	23	31	24	19	15	28	254
Female												
cur) 2001	3	10	24	26	21	20	30	25	25	20	26	230
prj) 2015	3	11	26	28	23	21	32	27	27	21	28	247

Current / Projected User Population... Health Center Service Area - (PC)

(Acute Care, Audiology, Dental Care, Diagnostic Imaging, Emergency, Eye Care, Intensive Care, Labor & Delivery/Nursery, Mental Health, Physical Therapy, Primary Care, Psychiatric Nursing, Public Health Nursing, Specialty Care, Sub-Acute, Surgery)

LAWTON - GOTEBO (KIOWA)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
<i>cur) 2001</i>	2	3			2	2	2	1	2	1	1	16
<i>prj) 2015</i>	2	4			2	2	2	1	2	1	1	17
Female												
<i>cur) 2001</i>		1	1	3	3	1		4	1	1	2	17
<i>prj) 2015</i>		1	1	4	4	1		5	1	1	2	20

LAWTON - MOUNTAIN VIE (KIOWA)

M/S: cur) 100.0% prj) 100.0%

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
<i>cur) 2001</i>		6	13	16	20	8	10	19	17	9	18	136
<i>prj) 2015</i>		7	16	20	24	10	12	23	21	11	22	166
Female												
<i>cur) 2001</i>	4	7	12	15	13	12	20	10	18	11	24	146
<i>prj) 2015</i>	5	9	15	18	16	15	24	12	22	13	29	178

Totals...

Male	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	Total
<i>cur) 2001</i>	10	71	96	132	116	96	110	110	96	53	92	982
<i>prj) 2015</i>	11	77	105	144	127	105	119	121	105	58	101	1073
Female												
<i>cur) 2001</i>	12	72	83	88	105	94	112	136	109	81	107	999
<i>prj) 2015</i>	13	79	91	97	116	103	122	148	120	87	118	1094
Combined												
<i>cur) 2001</i>	22	143	179	220	221	190	222	246	205	134	199	1981
<i>prj) 2015</i>	24	156	196	241	243	208	241	269	225	145	219	2167

Average Age for the Service Unit: 31.4