

Anadarko Indian Health Center

Anadarko, Oklahoma

Outpatient Service Area

# Anadarko Indian Health Center

## Service Area Profile

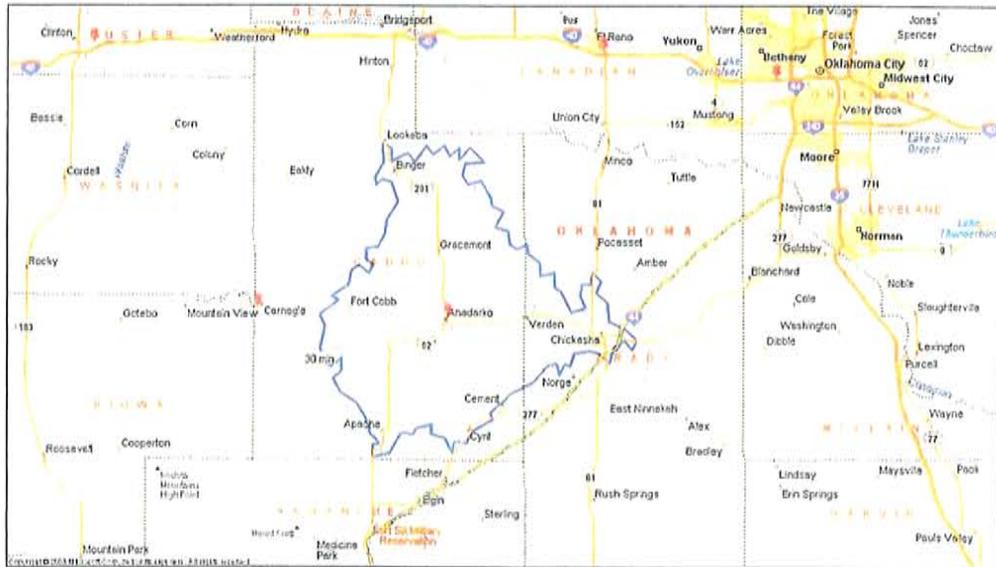


### A. Location

#### Service Area – 30 minute drive time access

##### Service Area Communities

- Anadarko
- Apache
- Binger
- Cement
- Cyril
- Gracemont
- Hinton
- Lookeba
- Riverside BIA
- Washita
- Alex
- Amber
- Chickasha
- Ninnekah
- Pocasset
- Verden



**B. Access**

**C. Demographics**

**ANADARKO 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 Anadarko 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.

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 Anadarko's total population is 6,653. The Indian population is 2,742. Housing somewhat abundant in the area. Most Indians within the Anadarko Service Area live in single family homes either owned by the family or rented. HUD Housing is also a prominent form of housing for enrolled members of the surrounding Tribes. The condition of Indian housing varies considerably, from old and in various states of disrepair and dilapidation, to relatively new brick homes.

Anadarko has a post office, numerous grocery stores, convenience stores, cafes and other public facilities such as a golf course, public parks, and museums. 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 97,757, is 57 kilometers from Anadarko and Oklahoma City with a total population of 506,132 people is 90 kilometers away. Oklahoma City has commercial airports.

#### **F. Utilities**

The primary source for potable water is from wells. Other sources of water are lake reservoirs. The majority of homes in the rural area are supplied by either wells or rural water systems.

Natural gas for the Anadarko Service Area is supplied by Oklahoma Natural Gas Company and the Fort Cobb Irrigation Fuel Authority. Arkansas-Louisiana Natural Gas Company supplies Apache, Hinton and Hydro, while Lookeba uses only bottled gas (propane).

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 Clinton Service Area; Pioneer Telephone Company services the Apache area; Hinton Telephone Company services the Lookeba, Hydro, Bridgeport, Hinton, and Eakly service areas. 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 and 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 1-12. In addition, there is one Indian Boarding School located in Anadarko, Riverside Indian School.

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

Cameron University is located in Lawton, 56 kilometers South of Anadarko. This institution offers both BA and BS degrees in a variety of fields, as well as Masters Degrees in Education,

Music, Business and Psychology. It also offers a BSN program through the OU College of Nursing.

## **H. Economy**

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

Many Indians are employed in local services and trade, or in the governmental services. However, the majority derive their incomes through seasonal agricultural labor or part-time employment at relatively low paying jobs.

## **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 17<sup>th</sup> 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:

- Dental
- Family Practice
- Internal Medicine
- Nutrition
- Optometry
- Podiatry
- Psychiatry
- Social Services
- Mental Health
- Laboratory
- Screening Mammography
- Pharmacy
- Public Health Nursing

<b>Building Area Summary...</b>	<u>Template Or Discipline</u>	<u>Net Square Meters</u>	<u>Conversion Factor</u>	<u>Department Gross Square Meters</u>
<b><u>Ambulatory</u></b>				
Audiology	AU2	64.30	N/A	81.00
Dental Care	DC4	661.20	N/A	983.00
Eye Care	EC2	182.00	N/A	236.00
Primary Care	PC3	337.80	N/A	493.00
Primary Care	PC3	337.80	N/A	493.00
<b><u>Ancillary</u></b>				
Diagnostic Imaging	DI1	89.50	N/A	126.00
Laboratory	LB2	132.70	N/A	157.00
Pharmacy	PH4	259.50	N/A	333.00
Physical Therapy	PT2	252.00	N/A	319.00
<b><u>FacilitySupport</u></b>				
Facility Management	FM1	81.60	N/A	100.00
<b><u>SupportServices</u></b>				
Education & Group Consultation	EGC1	64.20	1.10	74.00
Education & Group Consultation	EGC	14.00	1.10	15.40
Employee Facilities	EF	112.80	1.20	135.36
Housekeeping & Linen	HL2	46.90	1.10	56.00
Housekeeping & Linen	HL	16.00	1.10	17.60
Property & Supply	PS2	301.40	N/A	323.00
Public Facilities	PF	72.00	1.20	86.40
Department Gross Square Meters				4028.76
Building Circulation & Envelope (.20)				805.75
Floor Gross Square Meters				4834.51
Major Mechanical Space (.12)				580.14
Building Gross Square Meters				5414.65

**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>Project Estimated Facility Workload</u>
<b><u>Acute Care</u></b>								
Medical Bed days	2001	781	234	547				
	2015	876	263	613				
Pediatric Bed days	2001	466	65	401				
	2015	526	74	452				
Surgical Bed days	2001	519	187	332				
	2015	584	210	374				
<b><u>Audiology</u></b>								
Audiology Visits	2001	961			961		961	
	2015	1080			1080		1080	
<b><u>Clinical Engineering</u></b>								
Clinical Engineering	2001	754			754		754	
	2015	846			846		846	
<b><u>Dental Care</u></b>								
Dental Service Minutes	2001	844930			844930		844930	
	2015	947815			947815		947815	
<b><u>Diagnostic Imaging</u></b>								
CT/MRI Exams	2001	61	61					
	2015	68	68					
Fluoroscopy Exams	2001	212		212				
	2015	238		238				
General Radiography	2001	2549			2549		2549	
	2015	2861			2861		2861	
MAMMOGRAPHY	2001	1077		1077				
	2015	1203		1203				
Ultrasound Exams	2001	425		425				
	2015	477		477				
<b><u>Education &amp; Group Consultation</u></b>								
# of staff	2015	109			109		109	
<b><u>Emergency</u></b>								
Emergency Room Visits	2001	3814		3814				
	2015	4284		4284				
<b><u>Eye Care</u></b>								
Optometrist Visits	2001	2852			2852		2852	
	2015	3194			3194		3194	
<b><u>Facility Management</u></b>								
Service index	2001	24			24		24	
	2015	27			27		27	
<b><u>Housekeeping &amp; Linen</u></b>								
Lbs of Linen	2001	8996			8996		8996	

**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>
	<b>2015</b>	10093			10093		10093	
<b><u>Intensive Care</u></b>								
Intensive Care bed days	<b>2001</b>	148	68	80				
	<b>2015</b>	164	75	89				
<b><u>Laboratory</u></b>								
Chem/Hema/Immun/Urin	<b>2001</b>	26386	1583		24803		24803	
	<b>2015</b>	29610	1777		27833		27833	
Histo/Cytology billable	<b>2001</b>	61	61					
	<b>2015</b>	68	68					
Microbiology billable tests	<b>2001</b>	5420	2168		3252		3252	
	<b>2015</b>	6082	2433		3649		3649	
Transfusion/BB billable	<b>2001</b>	485	10	475				
	<b>2015</b>	545	11	534				
<b><u>Mental Health</u></b>								
Mental Health Visits	<b>2001</b>	1475			1475		1475	
	<b>2015</b>	1656			1656		1656	
<b><u>Pharmacy</u></b>								
Inpatient Pharmacy	<b>2001</b>							
	<b>2015</b>							
Outpatient Pharmacy	<b>2001</b>	413904			413904		413904	
	<b>2015</b>	464458			464458		464458	
<b><u>Physical Therapy</u></b>								
Inpatient Physical Therapy	<b>2001</b>							
	<b>2015</b>							
OUTPATIENT PHYSICAL	<b>2001</b>	3801			3801		3801	
	<b>2015</b>	4268			4268		4268	
<b><u>Primary Care</u></b>								
Primary Care Provider	<b>2001</b>	30342			30342		30342	
	<b>2015</b>	34054			34054		34054	
<b><u>Property &amp; Supply</u></b>								
Storage Index	<b>2001</b>	7737			7737		7737	
	<b>2015</b>	8684			8684		8684	
<b><u>Psychiatric Nursing</u></b>								
Psych Bed days	<b>2001</b>	138	30	108				
	<b>2015</b>	155	34	121				
<b><u>Public Health Nursing</u></b>								
Public Health Nursing	<b>2001</b>	2642			2642		2642	
	<b>2015</b>	2956			2956		2956	
<b><u>Respiratory Therapy</u></b>								

**Workload Summary...**

	<u>Year</u>	<u>Total Workload</u>	<u>Contracted Due To Acuity</u>	<u>Threshold</u>	<u>Unmet Need</u>	<u>Cross over</u>	<u>HSP Facility Workload</u>	<u>Proje Estimated Facility Workload</u>
Respiratory Therapy work	<b>2001</b>	23048		23048				
	<b>2015</b>	25861		25861				
<b><u>Specialty Care</u></b>								
Specialist Visits	<b>2001</b>	1459		1459				
	<b>2015</b>	1635		1635				
<b><u>Sub-Acute</u></b>								
SubAcute Bed days	<b>2001</b>	701		701				
	<b>2015</b>	789		789				
<b><u>Surgery</u></b>								
Inpatient Episodes	<b>2001</b>	219	61	158				
	<b>2015</b>	249	70	179				
Outpatient Episodes	<b>2001</b>	261	73	188				
	<b>2015</b>	288	81	207				

**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 - ALEX (GRADY)**

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		4	6	3	4	2	4	4	1	3	2	33
prj) 2015		6	9	4	6	3	6	6	1	4	3	48
<b>Female</b>												
cur) 2001		3	4	7	4	3	7	4	2	3	9	46
prj) 2015		4	6	10	6	4	10	6	3	4	13	66

**LAWTON - AMBER (GRADY)**

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	2	4		3	3	5	1	4	2		25
prj) 2015	1	3	6		4	4	7	1	6	3		35
<b>Female</b>												
cur) 2001			3	4	2	2	5	3	1		2	22
prj) 2015			4	6	3	3	7	4	1		3	31

**LAWTON - ANADARKO (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	40	242	272	247	237	185	254	290	206	104	132	2209
prj) 2015	43	260	292	265	255	199	273	312	221	112	142	2374
<b>Female</b>												
cur) 2001	38	212	267	252	249	210	324	363	250	155	192	2512
prj) 2015	41	228	287	271	267	226	348	390	269	167	206	2700

**LAWTON - APACHE (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	11	46	70	55	58	48	70	62	48	32	39	539
prj) 2015	12	49	75	59	62	52	75	67	52	34	42	579
<b>Female</b>												
cur) 2001	8	43	54	74	67	47	85	72	74	42	53	619
prj) 2015	9	46	58	79	72	50	91	77	79	45	57	663

**LAWTON - BINGER (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		12	10	20	9	7	13	14	9	6	10	110
prj) 2015		13	11	21	10	8	14	15	10	6	11	119
<b>Female</b>												
cur) 2001	1	5	8	10	13	7	14	23	5	9	11	106
prj) 2015	1	5	9	11	14	8	15	25	5	10	12	115

**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 - CEMENT (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	4	5	7	5	5	9	8	1	1	1	47
prj) 2015	1	4	5	8	5	5	10	9	1	1	1	50
<b>Female</b>												
cur) 2001	1	2	7	1	4	6	7	8	4	2	4	46
prj) 2015	1	2	8	1	4	6	8	9	4	2	4	49

**LAWTON - CHICKASHA (GRADY)**

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	6	44	47	33	43	39	58	51	33	30	20	404
prj) 2015	9	63	67	47	62	56	83	73	47	43	29	579
<b>Female</b>												
cur) 2001	4	34	54	46	48	52	87	70	39	20	32	486
prj) 2015	6	49	77	66	69	74	124	100	56	29	46	696

**LAWTON - CYRIL (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	21	20	17	14	10	19	12	16	10	7	147
prj) 2015	1	23	21	18	15	11	20	13	17	11	8	158
<b>Female</b>												
cur) 2001	7	11	14	9	15	20	22	16	16	10	15	155
prj) 2015	8	12	15	10	16	21	24	17	17	11	16	167

**LAWTON - GRACEMONT (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		10	11	14	17	9	11	15	8	9	11	115
prj) 2015		11	12	15	18	10	12	16	9	10	12	125
<b>Female</b>												
cur) 2001	3	13	21	10	11	12	18	16	16	5	14	139
prj) 2015	3	14	23	11	12	13	19	17	17	5	15	149

**LAWTON - HINTON (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	7	14	11	10	5	10	7	10	2	1	79
prj) 2015	2	8	15	12	11	5	11	8	11	2	1	86
<b>Female</b>												
cur) 2001		6	12	12	11	4	8	13	6	3	3	65
prj) 2015		6	13	13	12	4	9	14	6	3	3	83

**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 - LOOKEBA (CADDO)**

*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	4	2	4		3	2	3	3	3	25
prj) 2015		1	4	2	4		3	2	3	3	3	25
<b>Female</b>												
cur) 2001		4	2	1	2	1	5	1	3	2	3	24
prj) 2015		4	2	1	2	1	5	1	3	2	3	24

**LAWTON - NINNEKAH (GRADY)**

*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		3	4	4	5	2	2	5	5	3	3	36
prj) 2015		4	6	6	7	3	3	7	7	4	4	51
<b>Female</b>												
cur) 2001	1	2	3	1	5	1	5	4	5	3	4	34
prj) 2015	1	3	4	1	7	1	7	6	7	4	6	47

**LAWTON - POCASSETT (GRADY)**

*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			1	5
prj) 2015				3			1	1			1	6
<b>Female</b>												
cur) 2001						1	2	1	1			5
prj) 2015						1	3	1	1			6

**LAWTON - RIVERSIDE BI (CADDO)**

*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	72	233	38	2					346
prj) 2015			1	77	250	41	2					371
<b>Female</b>												
cur) 2001			2	73	255	34	1	1				366
prj) 2015			2	78	274	37	1	1				393

**LAWTON - VERDEN (GRADY)**

*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	2	9	2	7	2	8	7	6	2	3	49
prj) 2015	1	3	13	3	10	3	11	10	9	3	4	70
<b>Female</b>												
cur) 2001	1	9	2	5	9	4	11	7	4	2	3	57
prj) 2015	1	13	3	7	13	6	16	10	6	3	4	82

**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 - WASHITA (CADDO)**

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

<b>Male</b>	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	<b>Total</b>
<i>cur) 2001</i>		2	1	2	1		3	2	1	1		13
<i>prj) 2015</i>		2	1	2	1		3	2	1	1		13
<b>Female</b>												
<i>cur) 2001</i>			3	2	2	3	2	1	3		1	17
<i>prj) 2015</i>			3	2	2	3	2	1	3		1	17

**Totals...**

<b>Male</b>	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65+	<b>Total</b>
<i>cur) 2001</i>	63	400	478	491	650	355	472	481	351	208	233	4182
<i>prj) 2015</i>	70	450	538	542	720	400	534	542	395	237	261	4689
<b>Female</b>												
<i>cur) 2001</i>	64	344	456	507	697	407	603	603	429	256	346	4712
<i>prj) 2015</i>	71	386	514	567	773	458	689	679	477	285	389	5288
<b>Combined</b>												
<i>cur) 2001</i>	127	744	934	998	1347	762	1075	1084	780	464	579	889
<i>prj) 2015</i>	141	836	1052	1109	1493	858	1223	1221	872	522	650	9977

Average Age for the Service Unit: 27.7