

Lawton Indian Hospital

Lawton, Oklahoma

Outpatient Service Area

B. Access

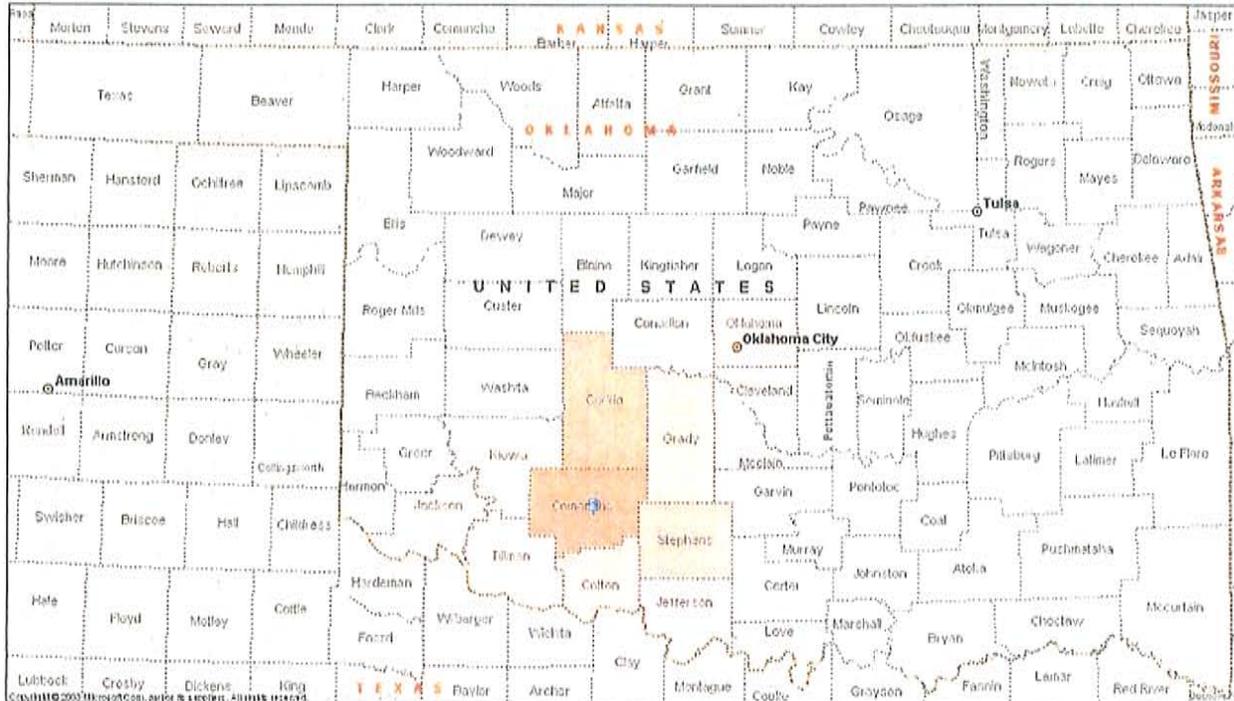
C. Demographics

LAWTON SERVICE UNIT 2004 USER POPULATION ANALYSIS

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 Lawton Indian Hospital



D. Topography and Climate

The topography of the service area is comprised of a rolling flat plain with the Wichita Mountains serving as a dramatic backdrop to the north. It is part of the Great Plains and is known in Oklahoma as the Wichita Mountain Region.

The climate for the Lawton Service Area is very changeable. Gusty winds from the south to southeast are quite dominant. The average annual temperature is 16.7 degrees Celsius. Temperatures range from 35.6 degrees Celsius in July to -3.3 degrees Celsius in January. The average annual precipitation is 711.2 mm per year, and the average annual snowfall is 203.2 mm per year.

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

E. Housing and Public Facilities

The City of Lawton's total population is 92,757 people. The Indian population is 3,534. Housing is reasonably abundant in the area. Most Indians within the Lawton Service Area live in single family homes either owned by the family or rented.

Lawton has post offices, numerous grocery stores, shopping center, restaurants, museums, and a philharmonic orchestra. There are also a variety of public facilities available such as a golf course, public parks and city-owned recreational lakes near Wichita Mountains Wildlife Refuge. 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, the third largest city in Oklahoma, is located 142 kilometers from Oklahoma City, with a total population of 506,132. Oklahoma City has commercial airports.

F. Utilities

Outside of Lawton, the primary source for potable water is from wells. Other sources of water are lake reservoirs such as Lake Ellsworth located North of Lawton and Lake Waurika located Southwest of Lawton. The majority of homes in the rural areas are supplied by either wells or rural water systems.

Natural gas for the Lawton Service Area is supplied by the Arkansas-Louisiana Natural Gas Company. Many rural areas, such as Chattanooga, Faxon, Indianola, and Meers use bottled gas (propane).

Electricity is supplied by the Public Service Company of Oklahoma and Cotton Electric Cooperative. 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 primarily supplied by the Southwestern Bell Telephone Company in the Lawton Service Area; Pioneer Telephone Company services Chattanooga; Valor Telecom service Faxon; Medicine Park Telephone Services serve the Medicine Park Area. 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 Lawton and 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 at least one private high school within the City of Lawton.

Lawton is one of the State districts which is served by the Great Plains Technology Center.

Lawton is one the site of the Comanche Nation College, a tribal college seeking accreditation status. Comanche Nation College was established in 2002 to address the educational needs of all eligible students and to develop the skills necessary to achieve further academic success. It has a relationship a host university, Cameron University through which classes are offered.

Cameron University, is also located in Lawton. 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

Government and Government enterprises are two major employers in the Service Area. Other employment is provided by retail trade and employment in tribal governments.

Many Indians are employed in local services and trades, or in the governmental services. However, many derive their incomes from part-time employment at relatively low-paying jobs.

I. Social and Political

Comanche 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 Comanches represent the largest user population percentage for the Lawton Service Area.

Before contact, the Comanches were part of the southern groups of Eastern Shoshone that lived near the upper reaches of the Platte River in eastern Wyoming. They are part of the Uto-Aztecan – Numic linguistic stock. After acquiring the horse, groups of Comanches separated from the Shoshone and began to move south sometime around 1700. For the next 50 years most groups of Comanches were located between the Platte and Arkansas Rivers in eastern Colorado and Western Kansas. Beginning in the 1740s they began crossing the Arkansas River and established themselves on margins of the Llano Estacado which extended from western Oklahoma across the Texas Panhandle into New Mexico. The area they controlled became known as Comancheria and extended south from the Arkansas River across central Texas to the vicinity of San Antonio including the entire Edwards Plateau west to the Pecos River and then north again following the foothills of the Rocky Mountains to the Arkansas.

The Comanches are believed to have been the first native people on the plains to utilize the horse extensively, and as such, they were the source for other plains tribes of the horses that made the buffalo culture possible. Until the 1750s they often employed leather armor and large body shields to protect both horse and rider.

The reservation period came to an end in 1901, and according to provisions of the Jerome Agreement, each man, woman, and child would receive 160 acres of land. In the 1960s, the Comanches seceded from the Kiowa-Comanche-Apache Intertribal Business Committee. Although they maintained ties with the Kiowas and Apaches, the Comanches established their own tribal government, which operates in a bustling complex near Lawton, Oklahoma. The governing body of the Comanche Tribe consists of a Chairman, Vice-Chairman, Secretary-Treasurer and a Comanche Business Committee which is made up of 4 members.

In 1995 the Comanches had an enrolled tribal population of 9,722 scattered across the United States, with the majority of them living in the Lawton-Walters-Cache area.

Current Services:

- Dental
- Family Practice
- General Surgery
- Gynecology
- Internal Medicine
- Obstetrics
- Ophthalmology
- Oral Surgery
- Pediatrics
- Radiologist
- Urgent Care
- Emergency Care
- Nutrition
- Optometry
- Podiatry
- Audiology
- Psychiatry
- Social Services
- Mental Health
- Laboratory
- X-ray
- Ultrasound
- Mammography
- Pharmacy
- Endoscopy
- Outpatient Surgery
- Inpatient Surgery
- Public Health Nursing
- Health Education

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>				
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
<u>Ancillary</u>				
Diagnostic Imaging	DI1	89.50	N/A	126.00
Laboratory	LB2	132.70	N/A	157.00
Pharmacy	PH2	229.90	N/A	252.00
Physical Therapy	PT2	252.00	N/A	319.00
<u>FacilitySupport</u>				
Facility Management	FM1	81.60	N/A	100.00
<u>SupportServices</u>				
Education & Group Consultation	EGC1	64.20	1.10	74.00
Education & Group Consultation	EGC	14.00	1.10	15.40
Employee Facilities	EF	116.00	1.20	139.20
Housekeeping & Linen	HL1	25.50	1.10	28.00
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				3923.60
Building Circulation & Envelope (.20)				784.72
Floor Gross Square Meters				4708.32
Major Mechanical Space (.12)				565.00
Building Gross Square Meters				5273.32

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>Projected Estimated Facility Workload</u>
<u>Acute Care</u>								
Medical Bed days	2001	655	197	459	-1		-1	
	2015	871	261	610				
Pediatric Bed days	2001	417	58	359				
	2015	552	77	475				
Surgical Bed days	2001	438	158	280				
	2015	582	210	372				
<u>Audiology</u>								
Audiology Visits	2001	803			803		803	
	2015	1061			1061		1061	
<u>Clinical Engineering</u>								
Clinical Engineering	2001	624			624		624	
	2015	826			826		826	
<u>Dental Care</u>								
Dental Service Minutes	2001	689130			689130		689130	
	2015	912570			912570		912570	
<u>Diagnostic Imaging</u>								
CT/MRI Exams	2001	51	51					
	2015	67	67					
Fluoroscopy Exams	2001	178		178				
	2015	235		235				
General Radiography	2001	2134			2134		2134	
	2015	2825			2825		2825	
MAMMOGRAPHY	2001	1019		1019				
	2015	1346		1346				
Ultrasound Exams	2001	356		356				
	2015	471		471				
<u>Education & Group Consultation</u>								
# of staff	2015	103			103		103	
<u>Emergency</u>								
Emergency Room Visits	2001	3199		3199				
	2015	4232		4232				
<u>Eye Care</u>								
Optometrist Visits	2001	2303			2303		2303	
	2015	3050			3050		3050	
<u>Facility Management</u>								
Service index	2001	20			20		20	
	2015	27			27		27	
<u>Housekeeping & Linen</u>								
Lbs of Linen	2001	7422			7422		7422	

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>
	2015	9840			9840		9840	
<u>Intensive Care</u>								
Intensive Care bed days	2001	122	56	66				
	2015	166	76	90				
<u>Laboratory</u>								
Chem/Hema/Immun/Urin	2001	22091	1325		20766		20766	
	2015	29242	1755		27487		27487	
Histo/Cytology billable	2001	51	51					
	2015	67	67					
Microbiology billable tests	2001	4538	1815		2723		2723	
	2015	6007	2403		3604		3604	
Transfusion/BB billable	2001	406	8	398				
	2015	538	11	527				
<u>Mental Health</u>								
Mental Health Visits	2001	1248			1248		1248	
	2015	1656			1656		1656	
<u>Pharmacy</u>								
Inpatient Pharmacy	2001	-5			-5		-5	
	2015							
Outpatient Pharmacy	2001	346060			346060		346060	
	2015	458048			458048		458048	
<u>Physical Therapy</u>								
Inpatient Physical Therapy	2001							
	2015							
OUTPATIENT PHYSICAL	2001	3143			3143		3143	
	2015	4158			4158		4158	
<u>Primary Care</u>								
Primary Care Provider	2001	25402			25402		25402	
	2015	33625			33625		33625	
<u>Property & Supply</u>								
Storage Index	2001	6477			6477		6477	
	2015	8574			8574		8574	
<u>Psychiatric Nursing</u>								
Psych Bed days	2001	108	24	84				
	2015	143	31	112				
<u>Public Health Nursing</u>								
Public Health Nursing	2001	2224			2224		2224	
	2015	2932			2932		2932	
<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>Projected Estimated Facility Workload</u>
Respiratory Therapy work	2001	19267		19267			
	2015	25544		25544			
<u>Specialty Care</u>							
Specialist Visits	2001	1233		1233			
	2015	1640		1640			
<u>Sub-Acute</u>							
SubAcute Bed days	2001	570		570			
	2015	763		763			
<u>Surgery</u>							
Inpatient Episodes	2001	186	52	134			
	2015	238	67	171			
Outpatient Episodes	2001	212	59	153			
	2015	284	80	204			

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 - CACHE (COMMANCHE)

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	30	62	56	52	41	53	54	36	24	24	436
prj) 2015	5	40	83	75	70	55	71	72	48	32	32	583
Female												
cur) 2001	5	36	49	40	47	41	68	78	64	39	43	510
prj) 2015	7	48	66	54	63	55	91	104	86	52	58	684

LAWTON - CHATTANOOGA (COMMANCHE)

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	1	2	3		2	2	1	14
prj) 2015		1		3	1	3	4		3	3	1	19
Female												
cur) 2001	1		1	3	3	5	2		2		2	19
prj) 2015	1		1	4	4	7	3		3		3	26

LAWTON - DEVOL (COTTON)

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	2		1		1	9
prj) 2015		2	1		1	1	2		1		1	9
Female												
cur) 2001				1			2	2	2		2	9
prj) 2015				1			2	2	2		2	9

LAWTON - ELGIN (COMMANCHE)

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	16	14	18	19	18	27	29	18	13	8	181
prj) 2015	1	21	19	24	25	24	36	39	24	17	11	241
Female												
cur) 2001	1	16	21	21	19	12	30	33	28	16	18	215
prj) 2015	1	21	28	28	25	16	40	44	37	21	24	285

LAWTON - FAXON (COMMANCHE)

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	3		1	2	2		4	15
prj) 2015			3	1	4		1	3	3		5	20
Female												
cur) 2001			2	2	1		1	2	4	2	5	11
prj) 2015			3	3	1		1	3	5	3	7	26

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 - FLETCHER (COMMANCHE)

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	10	7	6	9	10	13	11	7	5	85
prj) 2015		9	13	9	8	12	13	17	15	9	7	112
Female												
cur) 2001		8	8	11	10	9	10	9	10	7	8	90
prj) 2015		11	11	15	13	12	13	12	13	9	11	120

LAWTON - FT SILL BIA (COMMANCHE)

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					1		1			5
prj) 2015		4					1		1			6
Female												
cur) 2001									1			1
prj) 2015									1			1

LAWTON - GERONIMO (COMMANCHE)

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	7	11	17	12	14	17	7	11	5	3	105
prj) 2015	1	9	15	23	16	19	23	9	15	7	4	141
Female												
cur) 2001	1	7	12	10	10	10	17	21	13	5	8	114
prj) 2015	1	9	16	13	13	13	23	28	17	7	11	151

LAWTON - INDIAHOMA (COMMANCHE)

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	10	17	17	17	9	16	13	13	14	10	137
prj) 2015	1	13	23	23	23	12	21	17	17	19	13	182
Female												
cur) 2001		16	11	16	10	6	17	13	15	7	24	135
prj) 2015		21	15	21	13	8	23	17	20	9	32	179

LAWTON - LAWTON (COMMANCHE)

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	49	208	250	231	194	202	256	243	183	85	79	1980
prj) 2015	66	279	335	309	260	271	343	325	245	114	106	2653
Female												
cur) 2001	49	227	267	207	211	262	380	337	260	127	163	2490
prj) 2015	66	304	358	277	283	351	509	451	348	170	218	3335

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 - MEDICINE PRK (COMMANCHE)

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	2		1	1	1	1	2	2	1	13
prj) 2015		3	3		1	1	1	1	3	3	1	17
Female												
cur) 2001			1	2	1	2	1	1	3	3	2	16
prj) 2015			1	3	1	3	1	1	4	4	3	21

LAWTON - MEERS (COMMANCHE)

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	4
prj) 2015				3					1		1	5
Female												
cur) 2001		1	2						1	1		5
prj) 2015		1	3						1	1		6

LAWTON - RANDLETT (COTTON)

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	1			2	1	2			8
prj) 2015		1	1	1			2	1	2			8
Female												
cur) 2001			1	1		2	2			1		7
prj) 2015			1	1		2	2			1		7

LAWTON - STERLING (COMMANCHE)

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	4	4	1	4	4	1	3	2	1	29
prj) 2015	1	5	5	5	1	5	5	1	4	3	1	36
Female												
cur) 2001		1	2	3	3	4	4	10	5	2	2	36
prj) 2015		1	3	4	4	5	5	13	7	3	3	48

LAWTON - TEMPLE (COTTON)

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	6	3	3	2	4	3				24
prj) 2015		4	7	4	4	2	5	4				30
Female												
cur) 2001		4	9	4	4	1	5	2	3	2	2	
prj) 2015		5	11	5	5	1	6	2	4	2	2	43

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 - WALTERS (COTTON)

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	16	20	25	21	15	32	23	25	20	22	221
<i>prj) 2015</i>	2	19	24	30	25	18	38	27	30	24	26	263
Female												
<i>cur) 2001</i>	4	17	21	33	31	16	32	47	28	17	40	286
<i>prj) 2015</i>	5	20	25	39	37	19	38	56	33	20	48	340

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>	59	310	400	384	331	318	429	390	311	174	160	3266
<i>prj) 2015</i>	77	410	532	510	439	423	566	516	412	231	209	4325
Female												
<i>cur) 2001</i>	61	333	407	354	350	370	571	555	439	229	319	3988
<i>prj) 2015</i>	81	441	542	468	462	492	757	733	581	302	422	5281
Combined												
<i>cur) 2001</i>	120	643	807	738	681	688	1000	945	750	403	479	7254
<i>prj) 2015</i>	158	851	1074	978	901	915	1323	1249	993	533	631	9606

Average Age for the Service Unit: 28.7