

## GEOGRAPHY

County: JEFFERSON

Major Town: Madras

**Service area includes the following ZIP Codes: 97711, 97734, 97741**

Major Geographic Features: Mountains; Rivers; Four lakes

Elevation: 2242

## TRANSPORTATION

Miles from Madras	to:	TYPE OF ROAD
Nearest Larger Town:	Redmond	26 – Primary
County Seat:	Madras	0 – n/a
Nearest Hospital:	Madras	0 – n/a

Special Transportation Barriers: Mountains, Gravel Roads, Rivers

Systems: Central Oregon Breeze bus, Cascades East Transit Community Connector, regional bus, dial-a-ride, Taxi

## WEATHER

Climate Zone: The Northeastern Highlands, High Plateau

Average Temperature (Winter): 32

Average Temperature (Summer): 66



## DEMOGRAPHY (Claritas 2019)

	Population	% Change	% Change RURAL	% Change URBAN	% Change OREGON
2000	12,813	n/a	n/a	n/a	n/a
2010	14,742	15.1%	8.9%	13.7%	12.0%
2019	16,216	10.0%	7.0%	12.0%	10.2%
2024	17,163	5.8%	4.9%	6.3%	5.8%

### CHANGE FROM 2010 TO 2019

Age	2010 Pop	2019 Pop	% Change	% Change RURAL	% Change URBAN	% Change OREGON
0-14	3,169	3,458	9.1%	0.0%	3.7%	2.4%
15-44	5,552	6,043	8.8%	7.0%	8.4%	7.9%
45-64	4,024	3,966	-1.4%	-5.3%	7.7%	2.6%
65+	1,997	2,749	37.7%	35.1%	48.2%	42.3%
Total	14,742	16,216	10.0%	7.0%	12.0%	10.2%

**DEMOGRAPHY (Claritas 2019 - continued)****2019 POPULATION BREAKDOWN BY AGE**

Age	Service Area				OREGON			
	Male	Female	Total	Percent	Male	Female	Total	Percent
0-14	1,799	1,659	3,458	21.3%	375,663	358,860	734,523	17.4%
15-20	637	614	1,251	7.7%	160,299	153,037	313,336	7.4%
21-24	435	361	796	4.9%	109,533	103,915	213,448	5.1%
25-34	1,183	904	2,087	12.9%	292,266	283,214	575,480	13.6%
35-44	1,036	873	1,909	11.8%	277,344	273,692	551,036	13.0%
45-64	2,080	1,886	3,966	24.5%	528,771	547,513	1,076,284	25.5%
65-74	870	835	1,705	10.5%	223,190	244,376	467,566	11.1%
75-84	368	428	796	4.9%	92,285	112,127	204,412	4.8%
85+	102	146	248	1.5%	32,085	55,042	87,127	2.1%
<b>Total</b>	<b>8,510</b>	<b>7,706</b>	<b>16,216</b>	<b>100.0%</b>	<b>2,091,436</b>	<b>2,131,776</b>	<b>4,223,212</b>	<b>100.0%</b>

**OTHER POPULATION CHARACTERISTICS (Claritas 2019)**

	<u>Service Area</u>	<u>Oregon</u>
Hispanic (all, including other and 2 or more, races )	27.8%	13.3%
Asian/Pacific Islander only (non-Hispanic)	1.6%	5.0%
African-American only (non-Hispanic)	1.4%	1.9%
Native American only (non-Hispanic)	5.9%	1.1%
Other, including 2 or more races (non-Hispanic)	2.7%	3.5%

**SOCIOECONOMICS (2014 - 2018 American Community Survey)**

	<u>Service Area</u>	<u>County</u>	<u>Rural</u>	<u>Oregon</u>
Population below Poverty Level (\$20,578 per year for 2 adults + 1 child < 18 in 2019)	17.4%	19.9%	15.2%	14.1%
Population below 200% of Poverty Level	38.0%	39.8%	36.6%	32.5%
Population < 18 below Poverty Level	17.3%	26.3%	21.5%	18.0%
Unemployed Labor Force Population	8.4%	10.0%	6.6%	6.0%
Population 18-64 with Disability	16.5%	17.6%	15.3%	12.0%
Population 65+ with Disability	37.9%	35.6%	38.0%	36.2%
Households receiving Cash Public Assistance	3.3%	4.4%	3.8%	3.7%
Population 25+ w/o High School Diploma	15.3%	14.0%	11.5%	9.6%
Population > 5 who Speak English Less than "very well"	7.1%	4.9%	3.9%	5.8%
Uninsured Civilian Non-institutionalized Population	8.5%	10.2%	7.6%	7.3%
Total OHP Eligibles (OHA, January 2020)	38.2%	44.4%	29.5%	25.5%

**SOCIOECONOMICS (various)**

	<u>County</u>	<u>Oregon</u>
Receiving Temporary Assistance for Needy Families (4/2019)	2.7%	1.0%
Children Eligible for Free/Reduced Lunch (18-19 School Yr)	75.7%	47.1%
Receiving Food Stamps (4/2019)	28.4%	15.2%
Government Employees as % of Total Employment (2018)	33.2%	14.2%
Uninsurance (2017--OHA OHIS)	3.1%	6.2%
Medicare Enrollees (2018 Yearly--CMS)	27.1%	19.8%

**UNEMPLOYMENT RATES**

	<u>County</u>	<u>Oregon</u>	<u>U.S.</u>
2000	5.3%	5.1%	4%
2010	13.7%	10.6%	9.6%
2018	5.5%	4.2%	3.9%
<b>Percent in Poverty, 2018</b>	16	12.5	13.1
<b>Per Capita Income, 2018</b>	\$32,962	\$50,843	\$54,446
<b>Median Household Income, 2018</b>	\$50,376	\$63,168	\$61,937

**VITAL STATISTICS (Oregon Health Authority)**

<b>Maternity Characteristics</b>		<b>2013-2017 (Avg per year--rates per 1000 births)</b>						
		TOTAL	Race					Ethnicity
			White	Black	NatAm	Asian	Other	Hispanic
<b>S E R V I C E  A R E A</b>	Average Total Births per Year	201	108.6	0.0	17.0	0.8	8.0	64.0
	Low Birth Weight Rate	75.7	82.9	0.0	58.8	500.0	100.0	62.5
	Inadequate Prenatal Care Rate	78.7	73.7	0.0	152.9	0.0	75.0	71.9
	Infant Mortality Rate	8.0						
	Teen (15-19) Birth Rate	77.7	57.1	0.0	94.1	0.0	150.0	103.1
<b>O R E G O N</b>	Average Total Births per Year	45,102	30,690	966	458	2555	1786	8,437
	Low Birth Weight Rate	64.7	61.3	98.2	72.9	80.6	75.4	65.5
	Inadequate Prenatal Care Rate	58.1	49.0	112.3	126.2	76.7	81.2	68.8
	Infant Mortality Rate	5.1						
	Teen (15-19) Birth Rate	49.2	38	64	81	13	72.0	93

\*race numbers do not add up to total due to rounding and noninclusion of "unknown" race

## VITAL STATISTICS (Oregon Health Authority--continued)

### MORTALITY FIGURES (rates are per 100,000 persons [2019 pop])

#### CAUSE-SPECIFIC CRUDE DEATH RATES per 100,000 (Average per year 2013-2017):

	Service Area	County	Rural	OR	
Total:	807.8	832.7	1042.1	834.6	<b>Deaths per Year in Service Area (Average of 2013-17):</b> 131
Cancer:	171.4	160.9	242.0	189.0	
Heart Disease:	170.2	168.9	205.2	160.0	
Chronic Lower Resp Disease	49.3	44.2	69.8	48.6	
Cerebrovascular Disease	44.4	46.3	55.2	44.8	
Unintended Injuries:	59.2	73.4	57.3	45.9	
Alzheimer's:	25.9	21.1	39.8	37.9	
Diabetes:	43.2	45.3	35.7	27.6	
Suicide:	12.3	16.1	22.2	18.2	
Alcohol Induced:	22.2	37.2	25.2	19.3	
Flu and Pneumonia:	4.9	5.0	13.6	11.5	

	Service Area	County	Oregon
Age-adjusted Death Rate, (Avg per year 15-17)	868.4	966.0	853.6
Comparative Mortality Figure, (Avg per year 15-17)	0.9	1.0	1.0
Years of Life Lost Index, (Avg per year 15-17)	1.2	1.5	1.0
<b>Preventable Hospitalizations per 1000 Pop:</b> (2016-2018, Apprise)	9.0	10.5	7.8

### HEALTH RISK FACTORS (2012-2015, 2014-2017 BRFSS; age-adjusted)

	County 2012-15	County 2014-17	Oregon 2014-17
% of Adults who have Cardiovascular Disease	4.8	5.7	7.1
% of Adults who have Depression	28.1	30.7	25.6
% of Adults who have Diabetes	16	20.4	8.6
% of Adults who are Tobacco Users (includes smoking)	15.8	23	25.5
% of Adults who are Obese	36.5	42.2	28.6
% of Adults with High Blood Pressure	16.9	27.7	26.7
% of Adults with No Physical Activity Outside of Work	19.3	29.1	17.9
% of Adults with 1 or More Chronic Diseases	80.1	55.3	53.5
% of Adults who are Cancer Survivors	11.6	5.4	7.2

### AREAS OF UNMET HEALTH CARE NEED VARIABLES

	Travel Time to Nearest PCPCH	Primary Care Capacity Ratio	Dentists Per 1000	Mental Health Providers per 1000	138-200% of Federal Poverty	ED Dental Visits per 1000	ED Mental Health Visits per 1000
Service Area	10	1.0	0.25	0.58	13.1%	10.0	19.3
Oregon	12.4	1.2	0.49	1.33	11.4%	4.3	17.5

**HEALTH CARE RESOURCES****PRACTITIONERS IN SERVICE AREA**

<b>Primary Care</b>	<b>Licensed</b>	
Family Med Physicians (2016-17 FTE)	9.4	
General Practice Physicians (2016-17 FTE)	2.0	
Internal Med Physicians (2016-17 FTE)	0.0	
Obstetricians/Gynecologists (2016-17 FTE)	0.0	
Pediatricians (2016-17 FTE)	0.0	
Nurse Practitioners (2017-18 FTE)	4.3	
Physician Assistants (2016-17 FTE)	4.5	
<b>Dental</b>		
Dentists (2017-18 FTE)	4.1	
Dental Hygenists (2019)	7	
<b>Mental</b>		
Psychiatrists (2016-17 FTE)	0.3	
Psychologists (2017-18 FTE)	0.8	
Licensed Counselors & LMFT (2018 FTE)	4.3	
Licensed Social Workers (2017-18 FTE)	1.8	
Psychiatric Nurse Practitioners (2017-18 FTE)	2.1	(subset of NP and not added to Total)
<b>Other</b>		
Chiropractors (2020)	2	
Direct Entry Midwives (2020)	0	
General Surgeons (2016-17 FTE)	0.0	
Naturopaths (2017)	1	
Nurse Anesthetists-CRNA (2017-18 FTE)	2.2	
Optometrists (2020)	2	
Other Surgeons (2016-17 FTE)	0.0	
Pharmacists (2020)	7	
Registered Nurses (2017-18 FTE)	60.8	(non-NPs/CRNAs)
<b>Total</b>	<b>113.5</b>	

**SUPPLY AND DEMAND FOR PRIMARY CARE VISITS IN SERVICE AREA**

	<u>Service Area</u>	<u>County</u>	<u>State</u>
Number of Persons Per Primary Care Physician:	1,424	1,419	1,207
Number of Visits Accommodated by:			
Primary Care Physicians (2016-2017)	29,311		
Primary Care PAs and NPs (2016-2018)	8,621		
Total	37,932		

Number of Primary Care Visits Needed by 2019 Service Area Population:

36,271

## HEALTH CARE RESOURCES (continued)

CLINICS IN SERVICE AREA	<u>Number</u>
Rural Health Clinics (RHC):	1
Federally Qualified Health Clinics (FQHC):	1
School-Based Clinics:	

### HOSPITALS IN SERVICE AREA (2018 Calendar Year)

Name:	St Charles Madras
# of Staffed Beds:	25
Type:	B
CAH:	Yes
# of Inpatient Discharges:	618
# of ER Visits:	13,052
% Occupancy:	23.0%
# of Births:	151
Avg IP Length of Stay:	4.3

## DESIGNATIONS OF SHORTAGE BY SERVICE AREA

1. Geographic/Population HPSA\*: Low income only
2. MUA/MUP\*: GOV-MFW
3. Mental Health HPSA\*: Yes
4. Dental HPSA\*: Low income only

Office of Rural Health Unmet Need Area? Yes

M(S)FW = Migrant (seasonal) farm worker

GOV = Designated at the request of the state governor due to local barriers and/or health conditions

\*Service Area geographies do not match exactly with Census Tracts or Sub-County Areas. Please check <https://www.ruralhealthinfo.org/am-i-rural> for the latest and most accurate data using your specific address.

"Urban" and "Rural" refer to ORH Rural definitions:

<https://www.ohsu.edu/xd/outreach/oregon-rural-health/about-rural-frontier/index.cfm>

This report has been prepared by the Oregon Office of Rural Health at Oregon Health and Science University.

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Additional information, maps, and lists are available at:

<https://www.ohsu.edu/xd/outreach/oregon-rural-health/about-rural-frontier/data-publications.cfm>

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