

Monitoring Oregon's Healthcare Safety Net

Objective

- To gather information about demand for safety net healthcare services in Oregon
- To compile available data about safety net capacity in Oregon
- To identify gaps in available information

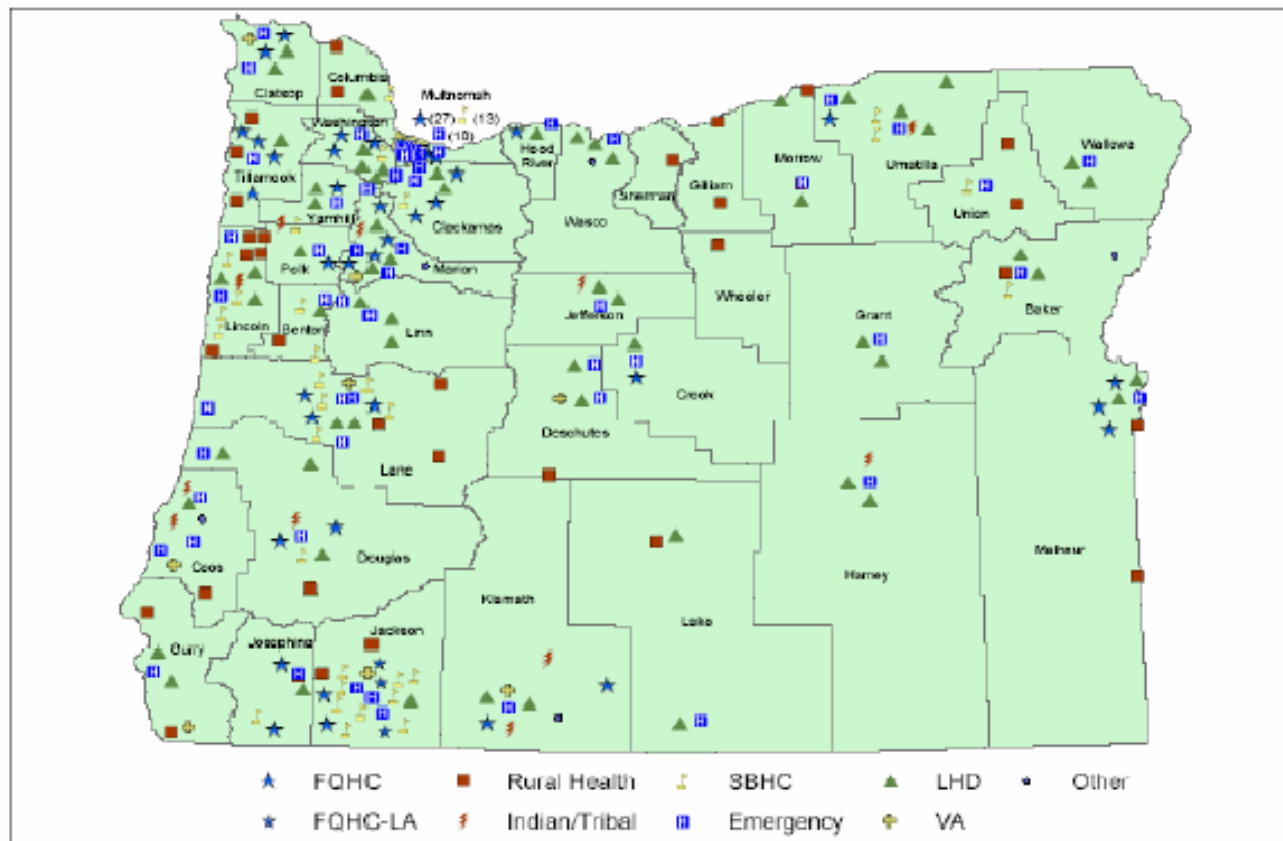
There is an "inability to find a single source" where safety net data is collected and analyzed. Furthermore, "information on the safety net takes years to assemble and important data is often missing or only describing the situation in a few communities."

--"America's Health Care Safety Net: Intact But Endangered"

A key challenge... how much primary care capacity is there for low-income, often uninsured people in the state?

We know where the clinics are located...

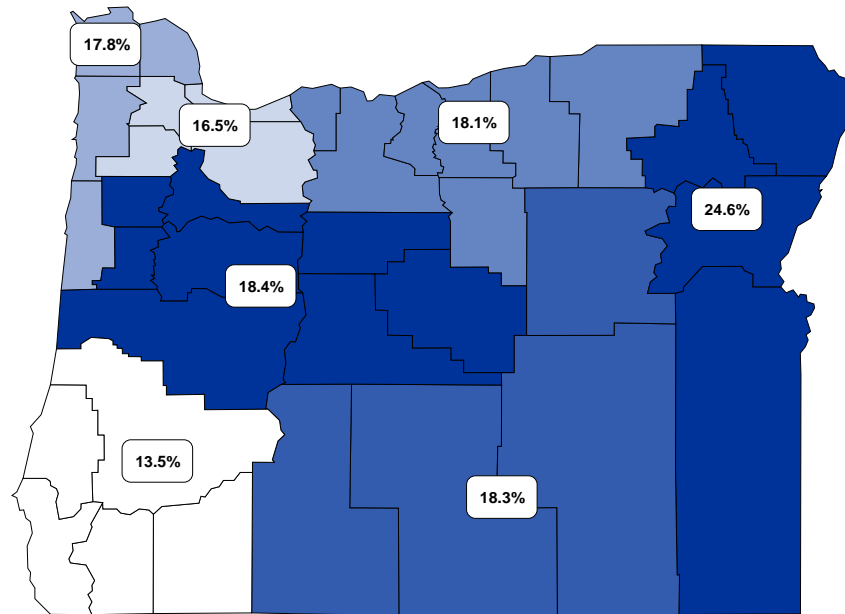
Oregon Safety Net Clinics 2004
(299 Sites: FQHC, FQHC-LA, RHC, SBHC, ED, Tribal, LHD, VA, Other)



Health Systems Planning Office 3/3/04

We know where the demand is...uninsured, low-income, geographically isolated, racial and ethnic minorities, homeless and migrant populations.

Uninsured: According to the 2004 OPS, the overall uninsurance rate is 17%, but there are regional and population variations.

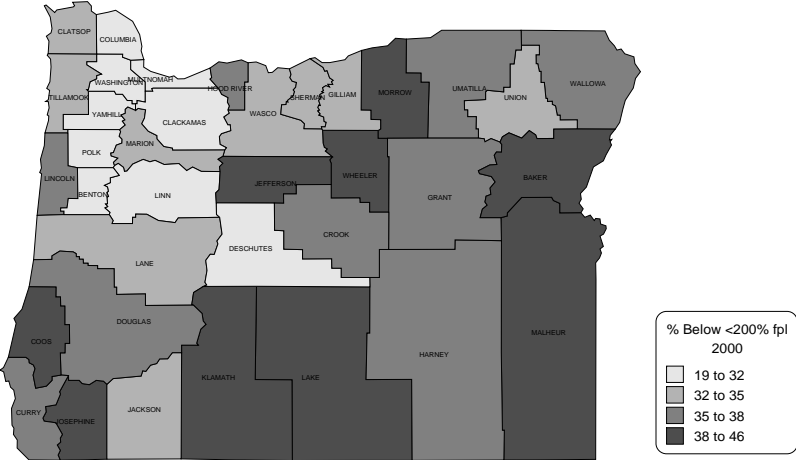


Uninsurance ranged from a low of 13.5% in SW Oregon to a high of 24.6% in Eastern Oregon.

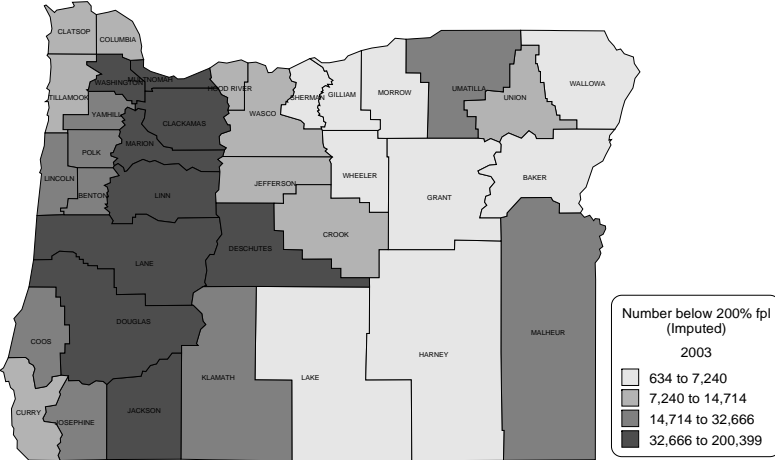
There are also racial and ethnic disparities. Special sample for OPS currently in field (June 2005).

Understanding the numbers: Distribution of low-income population

Low-income (<200% fpl) as a percentage of population:

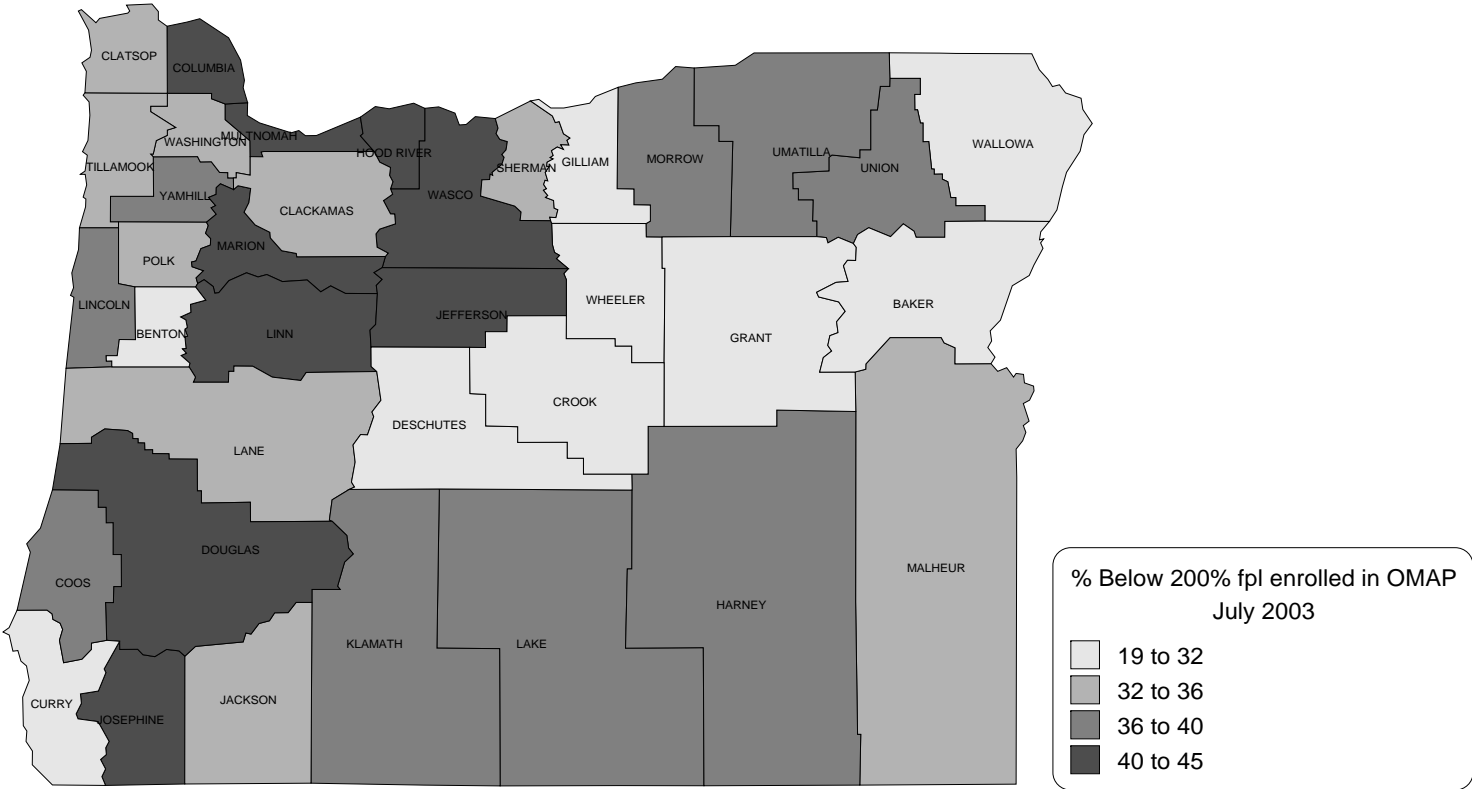


Low-income (<200% fpl) as a raw number:



Understanding the numbers: Distribution of low-income and Medicaid coverage...

Percent of low-income population enrolled in the Oregon Health Plan



The Data: Demand

DEMAND: Population

Area	Population (Est. 2003)	Square Miles	Population Density	% Population			% Population Change 1990-2000			
				Ages 0-17	Ages 18-64	Ages 65+	Total	Ages 0-17	Ages 18-64	Ages 65+
Oregon	3,541,500	96,545	37	24.7	62.5	12.8	20.4	16.9	23.7	12.0
Baker County	16,500	2,990	6	23.6	57.4	19.0	9.3	-1.7	14.2	10.4
Benton County	80,500	656	123	23.4	66.4	10.3	10.4	15.8	7.6	17.5
Clackamas County	353,450	1,814	195	25.8	63.1	11.1	21.4	17.5	23.8	17.0
Clatsop County	36,300	714	51	23.7	60.8	15.6	7.0	-1.5	12.0	2.6
Columbia County	45,000	779	58	26.7	61.6	11.6	16.0	7.9	21.8	7.3
Coos County	63,000	1,611	39	21.7	59.1	19.1	4.2	-9.8	6.9	15.4
Crook County	20,300	2,963	7	25.9	59.4	14.7	35.9	28.5	42.4	25.6
Curry County	21,100	1,636	13	18.7	54.6	26.6	9.4	-0.7	8.8	19.2
Deschutes County	130,500	3,460	38	24.5	62.4	13.1	53.9	46.3	59.2	45.1
Douglas County	101,800	5,034	20	23.7	58.5	17.8	6.1	-6.6	7.5	22.8
Gilliam County	1,900	1,201	2	22.4	58.6	19.1	11.5	-7.1	21.4	9.9
Grant County	7,650	4,494	2	25.0	58.3	16.8	1.0	-7.0	0.9	16.7
Harney County	7,300	5,434	1	25.5	59.5	15.0	7.8	-1.6	10.3	16.1
Hood River County	20,500	548	37	27.6	59.6	12.9	20.8	21.7	22.6	10.9
Jackson County	189,100	2,789	68	24.3	59.7	16.0	23.8	19.8	26.0	22.3
Jefferson County	19,900	1,767	11	29.2	58.3	12.4	39.0	29.8	44.1	38.9
Josephine County	78,350	1,651	47	22.8	57.1	20.1	20.9	13.4	25.0	18.7
Klamath County	64,600	6,033	11	25.7	59.4	14.9	10.5	6.5	11.1	15.6
Lake County	7,400	12,650	1	23.7	58.6	17.7	3.3	-12.9	5.2	27.2
Lane County	329,400	4,631	71	23.2	63.5	13.3	14.2	8.5	16.0	15.8
Lincoln County	45,000	1,027	44	21.0	59.4	19.5	14.4	3.0	20.1	11.4
Linn County	104,900	2,355	45	25.8	59.7	14.5	13.0	9.2	15.3	10.6
Malheur County	32,000	9,944	3	27.7	58.7	13.7	21.4	9.9	32.3	6.5
Marion County	295,900	1,202	246	27.4	60.3	12.4	24.7	29.3	26.8	7.5
Morrow County	11,750	2,026	6	30.5	58.9	10.6	44.2	45.1	46.5	30.6
Multnomah County	677,850	423	1,601	22.5	66.4	11.1	13.1	10.1	18.6	-7.3
Polk County	64,000	620	103	25.8	59.4	14.8	25.9	22.7	27.7	24.8
Sherman County	1,900	826	2	25.7	56.1	18.3	0.8	-6.9	2.1	9.3
Tillamook County	24,900	1,079	23	21.8	58.5	19.8	12.5	4.0	18.3	6.6
Umatilla County	71,100	3,217	22	27.6	60.1	12.3	19.1	17.9	22.8	5.7
Union County	24,650	2,117	12	25.1	60.2	14.7	3.9	-6.1	7.7	8.4
Wallowa County	7,150	3,147	2	23.4	57.8	18.9	4.6	-8.4	9.0	10.3
Wasco County	23,550	2,388	10	24.9	58.4	16.7	9.7	1.3	15.4	4.7
Washington County	472,600	782	604	26.7	64.5	8.8	42.9	42.2	46.2	24.7
Wheeler County	1,550	1,719	1	21.1	55.6	23.3	10.8	5.6	9.2	20.4
Yamhill County	88,150	816	108	27.2	61.0	11.7	29.7	24.6	35.4	15.4

DEMAND: Economy

Area	Median Household Income (\$)	% Households Income Under \$15,000	% Households Income Over \$75,000	% Households Under \$15,000 on Public Assistance	Mean Public Assistance Amount (\$)	% Ages 16+ Not In Labor Force	% Ages 16+ Unemployed
Oregon	40,916	15.1	19.7	23.5	2,697	34.8	6.5
Baker County	30,367	22.2	8.6	18.5	1,748	44.4	8.3
Benton County	41,897	17.6	23.3	11.5	2,333	36.4	4.9
Clackamas County	52,080	8.9	30.9	24.6	2,948	31.4	5.0
Clatsop County	36,301	18.4	14.1	19.4	2,000	36.4	6.6
Columbia County	45,797	13.8	19.5	24.3	2,205	35.2	6.3
Coos County	31,542	22.6	10.7	23.4	2,590	45.7	8.5
Crook County	35,186	17.8	10.6	25.6	3,303	40.6	7.7
Curry County	30,117	23.0	9.6	16.5	3,111	50.7	7.3
Deschutes County	41,847	13.0	19.9	21.7	2,301	34.7	5.2
Douglas County	33,223	19.6	11.1	22.2	2,770	43.1	7.6
Gilliam County	33,611	17.8	11.7	12.8	5,168	34.1	6.8
Grant County	32,560	19.1	9.9	15.5	2,431	38.6	11.9
Harney County	30,957	19.8	12.7	16.1	5,650	36.2	9.4
Hood River County	38,326	14.1	14.4	22.6	2,595	33.5	6.6
Jackson County	36,461	17.3	16.4	21.8	2,453	38.7	7.3
Jefferson County	35,853	14.8	12.1	36.9	2,754	36.1	8.6
Josephine County	31,229	22.6	11.5	23.1	2,459	47.9	9.8
Klamath County	31,537	21.3	11.3	22.0	2,579	40.3	10.0
Lake County	29,506	24.1	9.2	15.5	1,809	42.2	8.5
Lane County	36,942	18.3	15.9	19.3	2,752	35.7	6.4
Lincoln County	32,769	19.0	12.4	22.3	2,664	41.7	8.4
Linn County	37,518	16.4	14.3	23.7	3,520	37.0	7.9
Malheur County	30,241	21.9	10.0	22.6	2,363	46.7	11.1
Marion County	40,314	14.7	17.1	29.5	2,965	36.3	7.7
Morrow County	37,521	13.6	12.6	39.7	2,477	34.9	10.7
Multnomah County	41,278	15.3	20.4	27.5	2,624	31.0	6.4
Polk County	42,311	15.9	19.3	19.5	2,580	35.9	6.2
Sherman County	35,142	21.3	12.0	7.0	2,542	40.1	7.3
Tillamook County	34,269	18.7	11.2	17.1	2,322	41.3	4.4
Umatilla County	36,249	16.8	13.8	20.3	2,184	36.8	7.5
Union County	33,738	21.8	13.1	19.3	2,863	38.6	7.9
Wallowa County	32,129	22.2	11.6	12.1	2,566	39.3	11.8
Wasco County	35,959	19.6	13.4	21.5	2,441	39.5	7.9
Washington County	52,122	8.6	29.7	26.2	2,947	27.7	4.6
Wheeler County	28,750	21.9	8.3	12.7	1,406	47.5	7.3
Yamhill County	44,111	12.6	19.3	24.1	2,416	35.5	6.4

DEMAND: Poverty and Disability

Area	Population (2003)	% Uninsured OPS 2002	% Below Poverty (2000 Census)				% Below 200% Poverty (2000 Census)				SSI (2003)		
			Total	Ages 0-17	Ages 18-64	Ages 65+	Total	Ages 0-17	Ages 18-64	Ages 65+	Aged	Blind & Disabled	Total
Oregon	3,541,500	14.0%	11.6	14.0	11.2	7.6	29.6	37.2	26.7	29.2	7,587	49,919	57,506
Baker County	16,500	16.5%	14.7	18.8	13.5	12.4	42.1	55.6	37.8	38.0	42	307	349
Benton County	80,500	13.5%	14.6	10.6	17.1	4.9	30.4	29.5	32.5	19.5	71	556	627
Clackamas County	353,450	10.8%	6.6	7.6	6.2	5.1	18.7	23.7	16.1	22.1	524	2,570	3,094
Clatsop County	36,300	12.9%	13.2	16.8	12.5	8.0	31.9	40.3	29.1	30.4	74	644	718
Columbia County	45,000	12.9%	9.1	11.6	8.1	7.0	23.5	29.2	19.7	30.1	28	393	421
Coos County	63,000	13.3%	15.0	19.9	14.8	9.4	39.2	51.1	35.1	38.3	153	1,661	1,814
Crook County	20,300	14.5%	11.3	13.9	10.6	8.1	35.7	46.8	29.5	41.2	32	202	234
Curry County	21,100	13.3%	12.2	13.6	12.4	10.6	37.1	48.6	33.8	35.9	48	358	406
Deschutes County	130,500	13.5%	9.3	10.4	9.2	6.1	27.2	34.3	24.5	26.6	118	1,248	1,366
Douglas County	101,800	10.4%	13.1	16.6	12.6	9.2	35.4	44.1	31.1	38.5	169	1,844	2,013
Gilliam County	1,900	18.8%	9.1	11.0	9.0	6.6	34.7	45.9	32.4	28.0	7	27	34
Grant County	7,650	16.5%	13.7	16.6	13.1	10.2	37.6	48.7	33.6	34.3	12	125	137
Harney County	7,300	16.5%	11.8	12.7	10.8	13.9	36.7	49.7	31.5	35.2	14	128	142
Hood River County	20,500	18.8%	14.2	17.3	13.5	7.8	37.7	49.7	33.7	30.4	31	176	207
Jackson County	189,100	11.3%	12.5	16.3	12.2	6.9	33.4	43.8	30.6	28.4	311	2,789	3,100
Jefferson County	19,900	14.5%	14.6	22.2	12.7	5.9	38.1	53.8	31.9	30.1	36	279	315
Josephine County	78,350	13.3%	15.0	21.1	15.1	6.8	40.1	52.8	37.2	33.7	157	1,575	1,732
Klamath County	64,600	15.4%	16.8	22.4	16.4	7.7	40.5	52.5	36.8	35.0	151	1,310	1,461
Lake County	7,400	14.8%	16.1	20.4	16.0	9.5	41.0	50.4	37.6	39.0	12	113	125
Lane County	329,400	14.1%	14.4	16.1	14.9	7.5	33.0	39.2	31.5	29.4	442	5,169	5,611
Lincoln County	45,000	13.5%	13.9	19.5	13.6	7.2	36.1	49.2	33.6	29.4	76	687	763
Linn County	104,900	13.5%	11.4	14.8	10.6	7.1	31.1	40.0	26.8	33.2	194	2,044	2,238
Malheur County	32,000	16.5%	18.6	25.8	16.5	11.6	46.0	58.7	41.4	37.3	109	600	709
Marion County	295,900	14.3%	13.5	18.1	12.3	7.4	33.8	44.2	30.2	27.7	624	4,352	4,976
Morrow County	11,750	16.5%	14.8	21.6	11.9	10.1	38.6	53.1	31.6	36.1	8	103	111
Multnomah County	677,850	14.9%	12.7	15.4	12.0	9.8	29.6	37.6	26.9	29.4	2,606	13,110	15,716
Polk County	64,000	14.6%	11.5	12.5	12.2	5.5	29.2	35.1	27.0	28.0	110	981	1,091
Sherman County	1,900	18.8%	14.6	20.2	14.1	7.7	33.4	42.1	30.6	29.4	**	**	22
Tillamook County	24,900	12.9%	11.4	13.4	11.1	8.1	34.5	45.4	30.9	33.1	48	343	391
Umatilla County	71,100	16.3%	12.7	16.2	11.4	8.7	36.4	46.7	31.3	36.6	137	1,125	1,262
Union County	24,650	16.5%	13.8	13.6	14.6	9.5	35.0	39.8	32.8	36.3	51	446	497
Wallowa County	7,150	16.5%	14.0	18.3	12.5	11.4	37.9	50.2	32.7	38.2	18	99	117
Wasco County	23,550	18.7%	12.9	17.7	12.4	7.3	33.5	43.0	29.5	33.0	50	460	510
Washington County	472,600	12.8%	7.4	8.3	7.1	5.3	20.6	25.6	18.6	20.8	1,008	3,241	4,249
Wheeler County	1,550	18.8%	15.6	22.2	16.7	4.2	45.3	66.8	40.6	36.0	**	**	12
Yamhill County	88,150	16.2%	9.2	10.1	8.8	7.5	26.6	31.9	23.7	29.2	106	766	872

DEMAND: Disability

Area	Population (Est. 2003)	% With a Disability (2000 Census)			SSI (SSA: 2003)			Need for Mental Health Services (SMI) (Adults 18+: HH, Inst. & Group)*			Need for Mental Health Services (SMI) (Adults 18+: HH < 200% fpl)*			Need for Mental Health Services (SMI) (Youth 0 to 17: HH, Inst. & Group)*		
		Ages 5-20	Ages 21-64	Ages 65+	Aged	Blind & Disabled	Total	Cases	Population	Percent	Cases	Population	Percent	Cases	Population	Percent
Oregon	3,541,500	8.2	18.0	41.5	7,587	49,919	57,506	163,361	2,574,873	6.3	61,294	666,239	9.2	62,350	846,526	7.4
Baker County	16,500	7.7	21.9	49.4	42	307	349	828	12,688	6.5	356	3,796	9.4	309	4,054	7.6
Benton County	80,500	6.9	11.7	35.6	71	556	627	3,802	61,495	6.2	1,565	17,216	9.1	1,225	16,659	7.4
Clackamas County	353,450	7.5	15.1	38.8	524	2,570	3,094	14,512	249,871	5.8	3,999	44,038	9.1	6,210	88,520	7.0
Clatsop County	36,300	8.9	19.7	41.4	74	644	718	1,795	27,197	6.6	698	7,477	9.3	639	8,434	7.6
Columbia County	45,000	8.2	18.9	44.7	28	393	421	1,945	31,661	6.1	730	7,955	9.2	875	11,902	7.4
Coos County	63,000	10.9	25.5	45.8	153	1,661	1,814	3,266	49,010	6.7	1,482	15,884	9.3	1,056	13,769	7.7
Crook County	20,300	8.3	21.7	51.6	32	202	234	889	14,083	6.3	373	4,072	9.2	390	5,100	7.6
Curry County	21,100	10.8	27.7	39.9	48	358	406	1,008	17,073	5.9	461	5,374	8.6	308	4,065	7.6
Deschutes County	130,500	7.4	16.5	37.2	118	1,248	1,366	5,166	86,784	6.0	2,011	22,064	9.1	2,083	28,583	7.3
Douglas County	101,800	8.0	22.7	42.9	169	1,844	2,013	5,067	76,321	6.6	2,244	24,364	9.2	1,817	24,079	7.6
Gilliam County	1,900	4.8	17.6	42.9	7	27	34	85	1,470	5.8	34	393	8.6	33	445	7.3
Grant County	7,650	5.2	16.7	40.5	12	125	137	372	5,890	6.3	155	1,690	9.2	153	2,045	7.5
Harney County	7,300	6.2	20.8	44.9	14	128	142	379	5,635	6.7	153	1,704	9.0	154	1,975	7.8
Hood River County	20,500	6.1	16.4	40.5	31	176	207	980	14,702	6.7	401	4,554	8.8	448	5,709	7.9
Jackson County	189,100	8.2	19.1	41.0	311	2,789	3,100	8,880	137,009	6.5	3,811	41,374	9.2	3,347	44,260	7.6
Jefferson County	19,900	6.2	22.0	39.1	36	279	315	803	13,344	6.0	379	4,573	8.3	443	5,666	7.8
Josephine County	78,350	8.5	23.1	41.0	157	1,575	1,732	3,863	58,254	6.6	1,755	18,960	9.3	1,349	17,472	7.7
Klamath County	64,600	8.7	22.7	43.3	151	1,310	1,461	3,106	47,305	6.6	1,489	15,593	9.6	1,275	16,470	7.7
Lake County	7,400	5.5	21.1	44.6	12	113	125	349	5,576	6.3	171	1,789	9.5	143	1,847	7.7
Lane County	329,400	8.3	17.9	42.7	442	5,169	5,611	16,051	249,145	6.4	6,977	74,257	9.4	5,523	73,814	7.5
Lincoln County	45,000	11.8	21.7	39.3	76	687	763	2,172	34,945	6.2	930	10,096	9.2	732	9,536	7.7
Linn County	104,900	9.6	21.3	45.6	194	2,044	2,238	4,950	76,239	6.5	2,009	21,404	9.4	1,998	26,830	7.5
Malheur County	32,000	7.7	20.5	43.3	109	600	709	1,805	22,881	7.9	676	7,438	9.1	698	8,734	8.0
Marion County	295,900	8.7	19.6	42.1	624	4,352	4,976	14,579	206,871	7.1	5,458	57,955	9.4	5,970	77,963	7.7
Morrow County	11,750	5.9	19.5	44.7	8	103	111	487	7,611	6.4	234	2,552	9.2	263	3,385	7.8
Multnomah County	677,850	9.0	17.9	42.1	2,606	13,110	15,716	32,845	513,236	6.4	12,285	132,469	9.3	10,921	147,250	7.4
Polk County	64,000	7.3	18.2	43.0	110	981	1,091	2,986	46,565	6.4	1,082	11,550	9.4	1,155	15,815	7.3
Sherman County	1,900	5.7	16.4	32.6	**	**	22	84	1,423	5.9	39	423	9.2	39	511	7.7
Tillamook County	24,900	9.1	24.4	40.6	48	343	391	1,165	18,867	6.2	446	5,050	8.8	403	5,396	7.5
Umatilla County	71,100	7.9	19.4	44.1	137	1,125	1,262	3,585	50,956	7.0	1,424	15,531	9.2	1,495	19,592	7.6
Union County	24,650	7.5	18.9	45.1	51	446	497	1,197	18,484	6.5	520	5,427	9.6	452	6,046	7.5
Wallowa County	7,150	6.4	16.9	42.1	18	99	117	332	5,471	6.1	135	1,498	9.0	134	1,755	7.6
Wasco County	23,550	6.5	18.6	41.3	50	460	510	1,152	17,756	6.5	490	5,348	9.2	459	6,035	7.6
Washington County	472,600	7.4	14.0	39.3	1,008	3,241	4,249	18,206	325,724	5.6	4,908	55,712	8.8	8,293	119,618	6.9
Wheeler County	1,550	2.5	18.9	34.3	**	**	12	69	1,196	5.8	32	363	8.7	27	351	7.8
Yamhill County	88,150	8.2	19.6	39.4	106	766	872	4,261	62,149	6.9	1,309	14,408	9.1	1,653	22,843	7.2

Holzer, CE, "Estimation of Need for Mental Health Services," 2000. <http://psy.utmb.edu/estimation/estimation.htm> (May 2004).

DEMAND: Increasing diversity

Oregon is becoming more diverse; minority population is growing especially among younger ages.

- Some rural counties are in a process of demographic replacement. An aging white, non-Hispanic population is diminishing and minority population is growing, especially Latino populations.
- The Hispanic/Latino population is growing and is forecast to continue growing, based on immigration and fertility.
- The Hispanic/Latino population is not dispersed throughout rural areas. Populations are concentrated in small cities in rural counties, e.g., Hood River, Morrow and Malheur.

--Population Research Center, Portland State University, 2004.

Area	Hispanic/Latino (of any race) April 1, 1990 and 2000						Total Population	
	1990	2000	Change 1990-2000	Percent Change 1990-2000	Total Population (%) 1990	Total Population (%) 2000	% Speak Non-English at Home	% Speak English Less than Very Well
Oregon	112,708	275,314	162,606	144%	0.2	4.0%	12.1	5.9
Clatsop County	648	1,597	949	146%	0.2	1.9%	7.1	3.3
Crook County	388	1,082	694	179%	0.0	2.7%	6.3	2.8
Curry County	354	761	407	115%	0.1	1.8%	5.4	1.1
Deschutes County	1,526	4,304	2,778	182%	0.1	2.0%	5.4	1.9
Hood River County	2,752	5,107	2,355	86%	0.1	16.3%	24.7	15.4
Jefferson County	1,448	3,372	1,924	133%	0.2	10.6%	19.0	9.3
Josephine County	1,749	3,229	1,480	85%	0.1	2.8%	4.8	1.4
Klamath County	2,984	4,961	1,977	66%	0.1	5.2%	8.1	3.4
Lincoln County	598	2,119	1,521	254%	0.2	1.5%	5.7	2.8
Malheur County	5,155	8,099	2,944	57%	0.1	19.8%	21.1	8.8
Morrow County	825	2,686	1,861	226%	0.1	10.8%	23.3	13.6
Tillamook County	374	1,244	870	233%	0.2	1.7%	6.3	2.7
Wasco County	1,065	2,214	1,149	108%	0.5	4.9%	10.5	5.2
Wheeler County	12	79	67	558%	0.1	0.9%	4.2	1.9

Source: 1990 and 2000 US Census of Population

Prepared by Population Research Center, Portland State University.

DEMAND: Diversity

Area	% Population							% Population Hispanic (Any Race)				
	Single Race						2+ Races	All Hispanic	Mexican	Puerto Rican	Cuban	Other
	White	Black	Asian	Native American	Hawaiian/Pacific Island	Other						
Oregon	86.6	1.6	3.0	1.3	0.2	4.2	3.1	8.0	6.3	0.1	0.1	1.5
Baker County	95.7	0.2	0.4	1.1	0.0	0.9	1.7	2.3	1.7	0.1	0.0	0.5
Benton County	89.2	0.8	4.5	0.8	0.2	1.9	2.6	4.7	3.2	0.2	0.1	1.2
Clackamas County	91.3	0.7	2.5	0.7	0.2	2.3	2.5	4.9	3.7	0.1	0.1	1.1
Clatsop County	93.1	0.5	1.2	1.0	0.2	1.6	2.3	4.5	3.5	0.2	0.0	0.8
Columbia County	94.4	0.2	0.6	1.3	0.1	0.8	2.5	2.5	1.6	0.1	0.1	0.8
Coos County	92.0	0.3	0.9	2.4	0.2	1.1	3.2	3.4	2.4	0.1	0.0	0.9
Crook County	93.0	0.0	0.4	1.3	0.0	3.8	1.4	5.6	4.6	0.0	0.0	1.0
Curry County	92.9	0.2	0.7	2.1	0.1	1.1	2.9	3.6	2.7	0.1	0.0	0.8
Deschutes County	94.8	0.2	0.7	0.8	0.1	1.4	2.0	3.7	2.7	0.1	0.0	0.9
Douglas County	93.9	0.2	0.6	1.5	0.1	1.0	2.7	3.3	2.3	0.1	0.0	0.8
Gilliam County	96.8	0.2	0.2	0.8	0.0	1.1	0.9	1.8	1.7	0.0	0.1	0.1
Grant County	95.7	0.1	0.2	1.6	0.0	0.7	1.7	2.1	1.2	0.1	0.0	0.7
Harney County	91.9	0.1	0.5	4.0	0.1	1.3	2.1	4.2	3.0	0.1	0.1	1.0
Hood River County	78.9	0.6	1.5	1.1	0.1	15.4	2.5	25.0	22.4	0.1	0.1	2.4
Jackson County	91.6	0.4	0.9	1.1	0.2	2.9	2.9	6.7	5.3	0.1	0.1	1.2
Jefferson County	69.0	0.3	0.3	15.7	0.2	11.3	3.2	17.7	14.4	0.2	0.0	3.2
Josephine County	93.9	0.3	0.6	1.3	0.1	1.2	2.7	4.3	3.0	0.2	0.1	1.0
Klamath County	87.3	0.6	0.8	4.2	0.1	3.4	3.5	7.8	6.2	0.2	0.1	1.3
Lake County	91.0	0.1	0.7	2.4	0.1	3.2	2.5	5.4	4.8	0.0	0.0	0.6
Lane County	90.6	0.8	2.0	1.1	0.2	1.9	3.3	4.6	3.3	0.2	0.0	1.1
Lincoln County	90.6	0.3	0.9	3.1	0.2	1.7	3.2	4.8	3.8	0.1	0.1	0.8
Linn County	93.2	0.3	0.8	1.3	0.1	1.8	2.5	4.4	3.3	0.1	0.0	0.9
Malheur County	75.8	1.2	2.0	1.0	0.1	17.4	2.6	25.6	19.8	0.1	0.0	5.7
Marion County	81.6	0.9	1.8	1.4	0.4	10.6	3.4	17.1	14.5	0.1	0.1	2.4
Morrow County	76.3	0.1	0.4	1.4	0.1	19.5	2.1	24.4	20.6	0.1	0.0	3.8
Multnomah County	79.2	5.7	5.7	1.0	0.4	4.0	4.1	7.5	5.5	0.2	0.2	1.6
Polk County	89.2	0.4	1.1	1.8	0.2	4.5	2.7	8.8	7.4	0.2	0.1	1.2
Sherman County	93.6	0.2	0.5	1.4	0.0	2.8	1.6	4.9	3.6	0.0	0.1	1.2
Tillamook County	93.9	0.2	0.6	1.2	0.2	1.9	2.0	5.1	4.1	0.1	0.1	0.8
Umatilla County	82.0	0.8	0.8	3.4	0.2	10.7	2.2	16.1	13.7	0.1	0.0	2.2
Union County	94.3	0.5	0.9	0.8	0.6	1.2	1.7	2.4	1.7	0.1	0.0	0.7
Wallowa County	96.5	0.0	0.2	0.7	0.0	1.0	1.5	1.7	1.3	0.1	0.0	0.3
Wasco County	86.6	0.3	0.8	3.8	0.5	5.6	2.4	9.3	8.1	0.1	0.0	1.1
Washington County	82.2	1.1	6.7	0.7	0.3	5.9	3.2	11.2	8.6	0.2	0.1	2.2
Wheeler County	93.3	0.1	0.3	0.8	0.1	3.5	1.9	5.1	3.2	0.1	0.1	1.7
Yamhill County	89.0	0.8	1.1	1.5	0.1	5.1	2.4	10.6	8.6	0.1	0.1	1.8

DEMAND: Immigration

Area	% Population Foreign Born	Foreign Born		Place of Foreign Birth						% Speak Non-English at Home	% Speak English Less than Very Well
		% Lived in U.S. 10 Years or Less	% Naturalized Citizen	% Latin America	% Asia	% Africa	% Europe	% North America	% Oceania		
Oregon	8.5	50.0	33.6	44.6	27.3	1.7	18.8	5.9	1.6	12.1	5.9
Baker County	1.8	42.8	48.4	44.1	22.7	0.0	23.0	10.2	0.0	4.0	1.7
Benton County	7.6	54.9	35.4	22.4	42.3	2.8	25.6	5.2	1.8	10.0	4.0
Clackamas County	7.1	43.3	38.6	33.9	28.3	1.9	26.8	7.8	1.3	9.6	4.1
Clatsop County	4.2	44.3	32.5	51.0	16.6	2.4	16.6	12.0	1.5	7.1	3.3
Columbia County	1.8	17.9	47.4	18.7	21.9	0.1	37.2	21.4	0.6	3.9	1.3
Coos County	2.7	26.3	47.4	30.0	18.8	2.8	33.1	13.2	2.2	4.5	1.3
Crook County	3.3	51.3	25.9	80.7	3.1	0.0	11.5	3.9	0.8	6.3	2.8
Curry County	3.7	17.1	61.4	16.1	12.5	0.6	47.7	17.4	5.8	5.4	1.1
Deschutes County	2.8	37.5	45.2	37.6	16.6	0.8	27.6	14.8	2.6	5.4	1.9
Douglas County	2.1	21.7	63.8	25.6	19.5	1.1	29.2	22.6	2.1	3.9	1.2
Gilliam County	1.7	9.4	56.3	40.6	12.5	0.0	15.6	21.9	9.4	3.2	0.9
Grant County	1.4	36.0	47.4	51.8	8.8	0.0	23.7	15.8	0.0	2.8	1.0
Harney County	2.1	10.9	44.2	35.3	19.9	0.0	30.8	14.1	0.0	6.0	1.5
Hood River County	16.4	46.1	18.4	86.4	4.7	0.2	4.9	3.5	0.3	24.7	15.4
Jackson County	4.9	36.4	38.8	56.5	12.7	0.5	20.5	8.5	1.3	7.7	3.2
Jefferson County	9.9	41.0	21.5	86.5	6.4	0.7	3.7	2.3	0.4	19.0	9.3
Josephine County	3.1	20.1	57.8	27.3	13.8	0.6	38.4	18.9	0.9	4.8	1.4
Klamath County	4.8	38.1	40.8	60.0	11.6	1.0	18.0	8.4	1.0	8.1	3.4
Lake County	3.4	42.8	38.4	50.0	21.2	0.0	22.8	5.2	0.8	4.8	2.9
Lane County	4.9	47.3	38.1	32.5	31.4	1.6	21.3	10.9	2.2	7.9	2.9
Lincoln County	4.2	46.7	35.5	49.4	12.6	1.8	22.7	10.2	3.2	5.7	2.8
Linn County	3.5	39.9	43.7	46.1	16.8	0.7	25.3	9.9	1.3	5.9	2.5
Malheur County	8.2	44.8	28.5	86.8	4.5	0.0	5.1	3.3	0.3	21.1	8.8
Marion County	12.6	53.0	25.5	69.4	13.0	0.6	12.2	3.5	1.3	19.5	11.1
Morrow County	14.5	51.6	17.1	93.0	3.6	0.0	2.1	1.1	0.2	23.3	13.6
Multnomah County	12.7	55.1	34.5	30.6	34.9	3.1	24.1	4.8	2.4	16.6	8.9
Polk County	6.5	47.0	30.5	60.5	13.2	1.1	16.6	7.7	0.9	10.0	5.0
Sherman County	2.5	52.1	14.6	77.1	12.5	0.0	10.4	0.0	0.0	8.0	2.9
Tillamook County	4.2	49.7	34.0	54.9	11.7	1.1	17.4	12.3	2.6	6.3	2.7
Umatilla County	8.4	43.6	26.9	84.8	6.8	0.2	4.2	3.6	0.4	16.2	7.8
Union County	2.7	49.8	35.9	28.1	26.0	2.1	16.5	13.9	13.4	4.5	1.6
Wallowa County	0.8	11.5	50.8	18.0	8.2	0.0	37.7	34.4	1.6	2.5	0.8
Wasco County	6.2	37.1	37.2	72.1	10.2	1.0	10.1	5.1	1.6	10.5	5.2
Washington County	14.2	53.1	32.1	42.9	37.6	1.4	12.9	4.3	0.9	18.6	9.2
Wheeler County	2.1	37.5	18.8	46.9	0.0	0.0	46.9	6.3	0.0	4.2	1.9
Yamhill County	7.6	54.7	26.2	76.2	7.9	0.1	9.7	5.6	0.4	11.2	5.6

But do we know how much capacity we have?

The descriptive data:

- [Population to Primary Care FTE Ratio \(County\)](#)
- Medicaid population to Primary Care FTE Ratio (County)
- Population to Primary Care FTE (Region)
- Medicaid population to Primary Care FTE (Region)

Crude proxy for capacity.

Using survey data, the Office for Health Systems Planning develops estimates of primary care FTE for the general population and the low-income population. Based on imputation of self-reported time spent on direct patient care for both general population and low-income population. Response rate ~56%.

Utilization and Capacity Data – The Gaps

	FQHC (n=65 sites)	RHC (n=41 sites)	SBHC (n=41 sites)	IHC (n=13 sites)	Local Health Departments (n=64 sites)	VA Clinics (n=8 sites)	Community Mental Health Centers/Addiction Services (n=?)	Emergency Depts (n=59)	"Other" Clinics (n=9)
1. Name/Address	OPCA, OCHIN	DHS Office of Rural Health	DHS SBHC Program Office	NW Indian Health Board	DHS Office of Health System Planning	DHS, Office of Health System Planning	DHS, for Community Mental Health Programs	DHS, Office of Health System Planning	DHS, Office of Health System Planning
2. Organizational structure and affiliation	Clinic level	Office of Rural Health	DHS SBHC Program Office		County Administrative Offices	na		na	
3. Hours of Operation	OCHIN (2004) (See notes)	Clinic level	Site level		Clinic level			na	
4. Sliding fee schedules and patient collection policies	OCHIN (2002-2004)	Clinic level	Site level		Clinic level, some county websites			Site level	
5. Population served (e.g., age, gender, race/ethnicity, special populations)	OPCA (2000-2003) OCHIN (2002-2004)	Clinic level	DHS SBHC Program Office		Clinic level, some county websites			OAHHS	
6. Payer accepted/mix	OPCA (2000-2003) OCHIN (2002-2004)	Clinic level	DHS SBHC Program Office		Clinic level			OAHHS	
7. Staffing types, ratios, compensation incentives	OPCA (2000-2003)	Clinic level	DHS SBHC Program Office		County budgets				
8. Health Services Offered (e.g., specialties, prescription drugs, mental health, dental care)	OPCA (2000-2003)	Clinic level	DHS SBHC Program Office		County websites			na	
9. Referral networks	Clinic level	?	Site level						
10. Enabling services (e.g., interpreters, transportation)	OPCA (2000-2003) OCHIN (2002-2004)	?	Site level					na	
11. Eligibility screening for OHP/SCHIP	OPCA (2000-2003) OCHIN (2002-2004)	?	Site level		Clinic level			na	
12. Service volume (e.g., visits)	OPCA (2000-2003) OCHIN (2002-2004)	Clinic level	DHS SBHC Program Office		Ahlers-FP, State-WIC, MCH			OAHHS	
13. Appt. capacity measures (e.g., appt. scheduling rate, no show rate, avg. no. of walk-ins per day)	OCHIN (2002-2004)	Clinic level	Site level					na	
14. Sources of funding (e.g., grants, managed care contracts)	OPCA (2000-2003)	Clinic level	DHS SBHC Program Office		Administrative offices			na	
15. Physical plan capacity (e.g., number of exam rooms)	Clinic level	Clinic level	DHS SBHC Program Office		Clinic level, county facilities offices			Site level	
15. Financial status measures (e.g., current ratio, return on assets, debt ratio)	Clinic level	Clinic level	Site level					na	

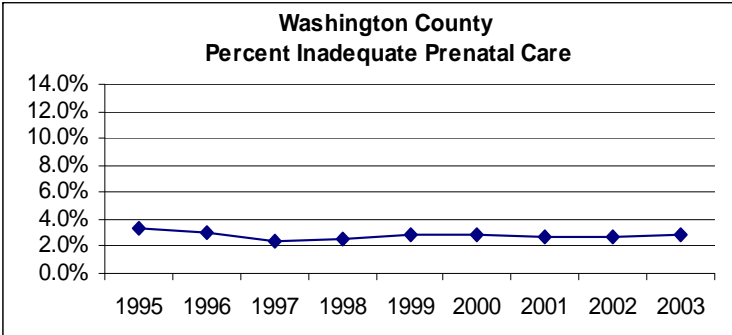
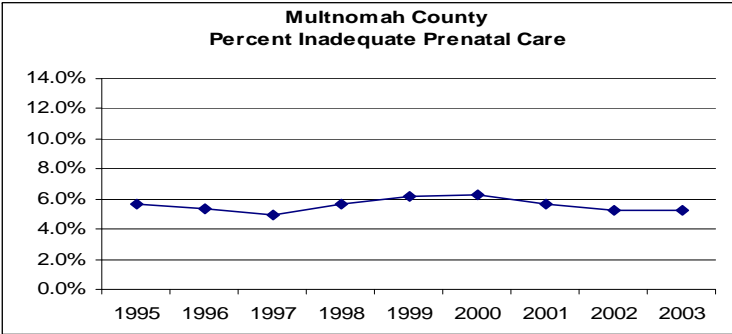
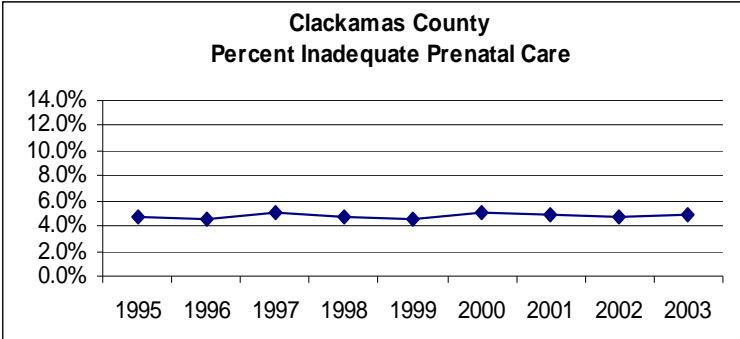
Notes: OCHIN is present in 5 Oregon counties only; only source for deduplicated counts.

Office of Rural Health Primary Care Service Areas

Selected Access-Related Outcomes Measures

- Inadequate Prenatal Care
- Selected Ambulatory Care Sensitive Conditions

Portland Metropolitan Region: Inadequate Prenatal Care, 1995-2003

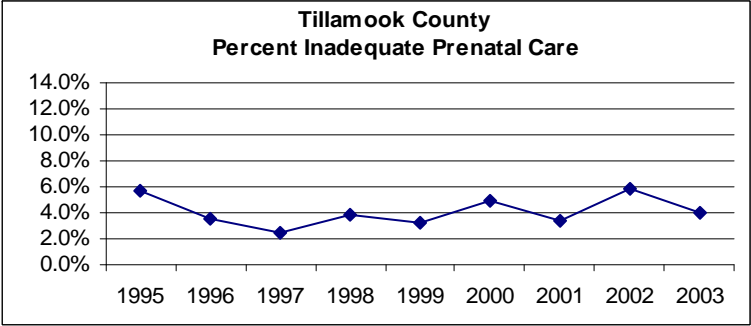
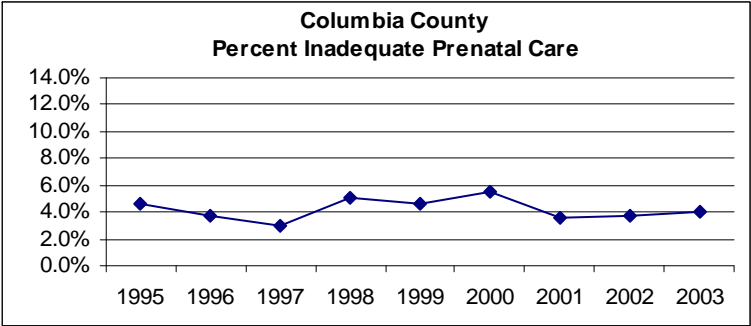
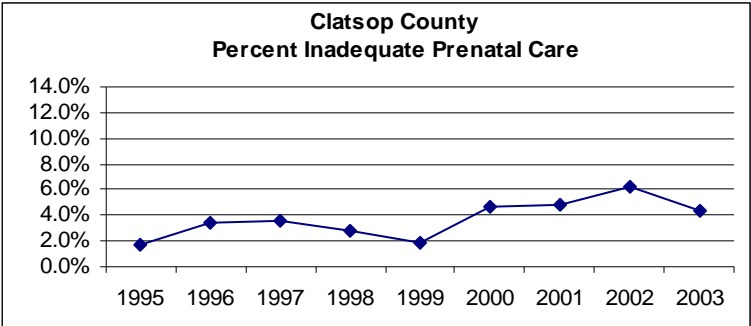


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

North Coast Region: Inadequate Prenatal Care, 1995-2003

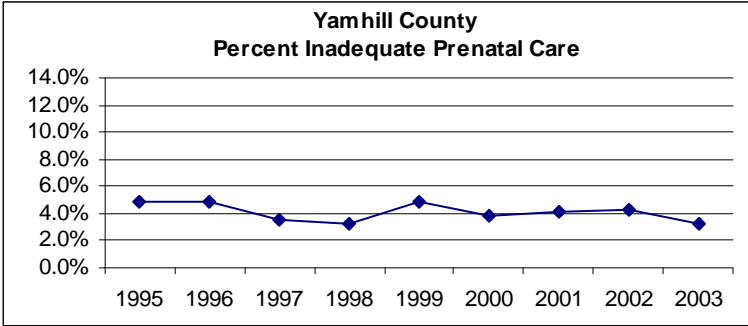
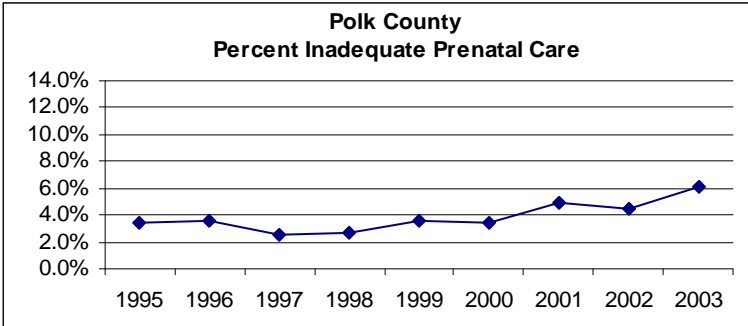
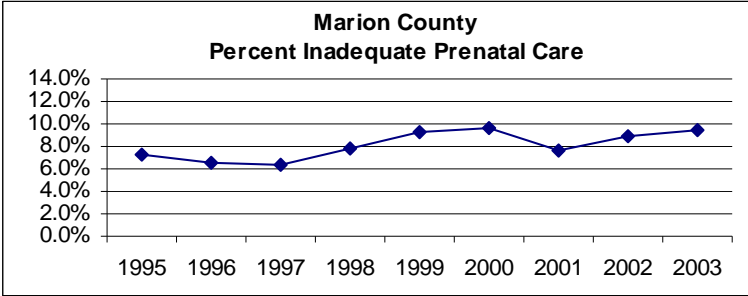


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

Mid-Willamette Valley Region: Inadequate Prenatal Care, 1995-2003

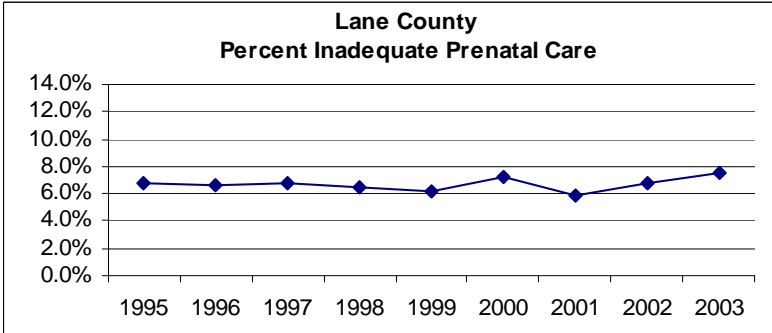
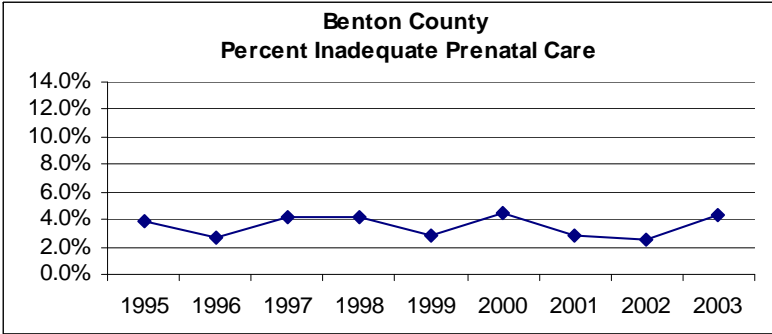
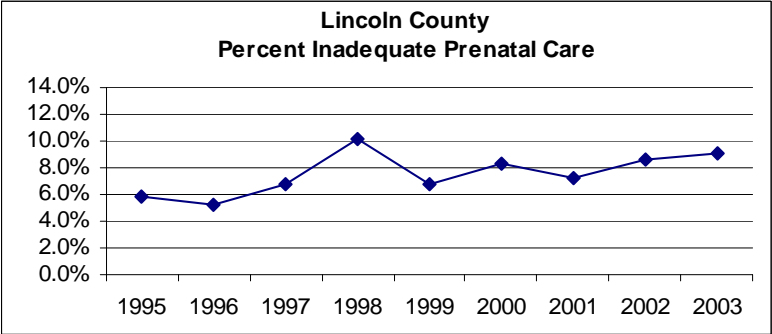
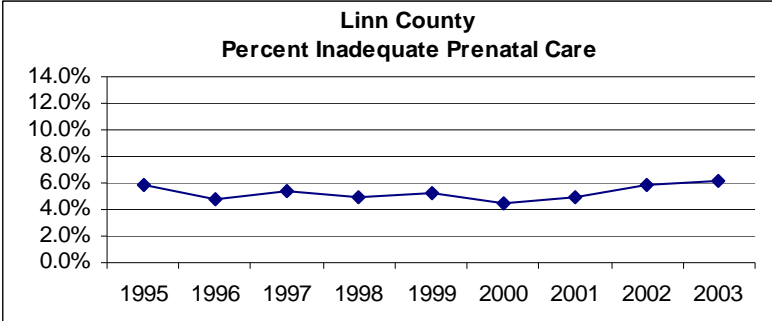


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

South Willamette Valley Region: Inadequate Prenatal Care, 1995-2003

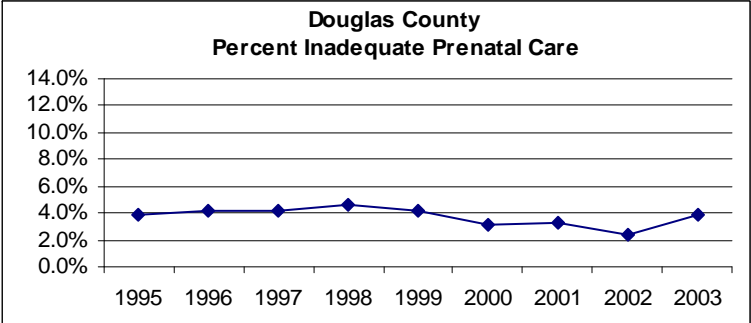
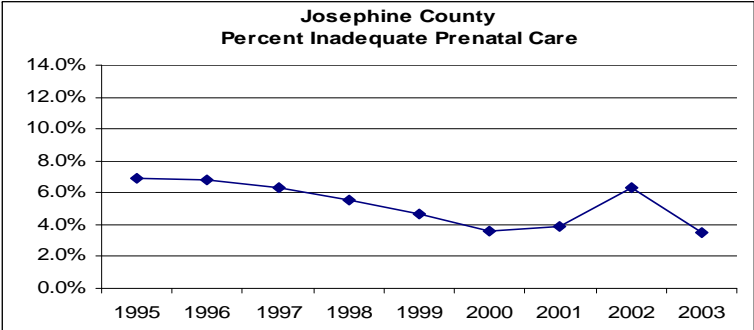
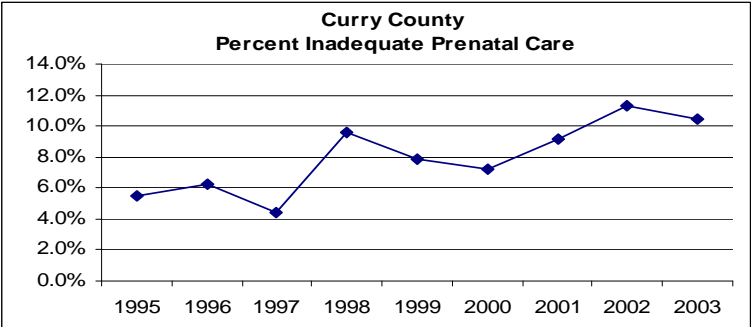
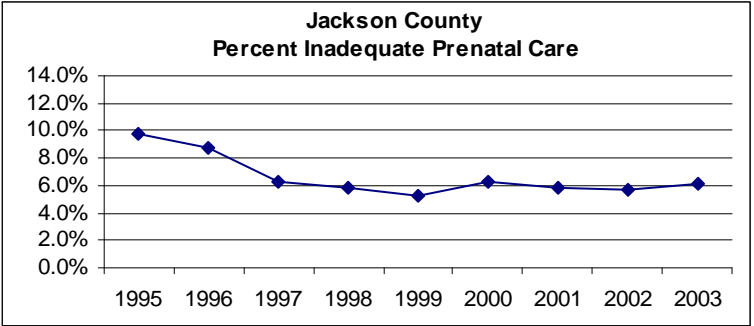
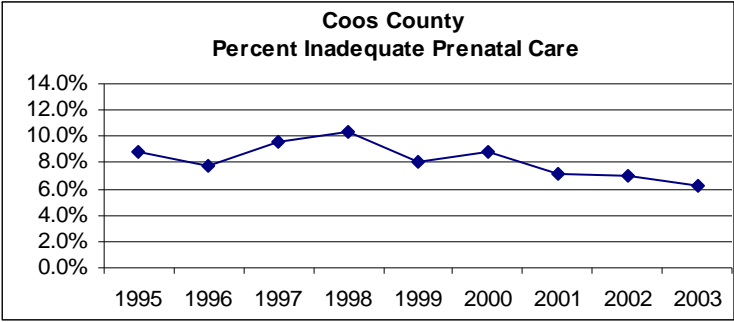


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

Southwestern Region: Inadequate Prenatal Care, 1995-2003

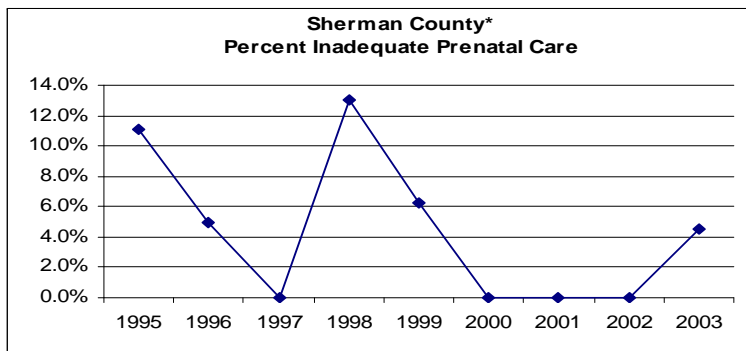
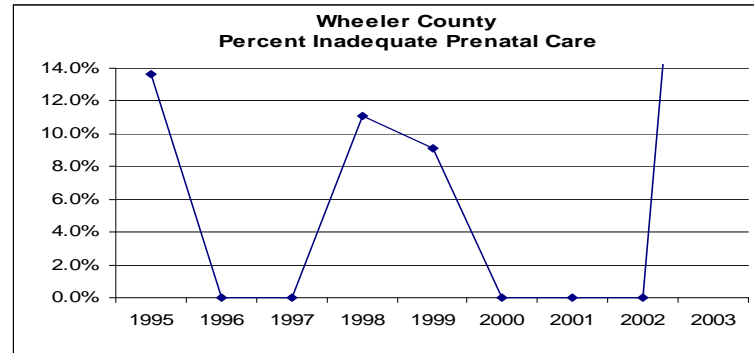
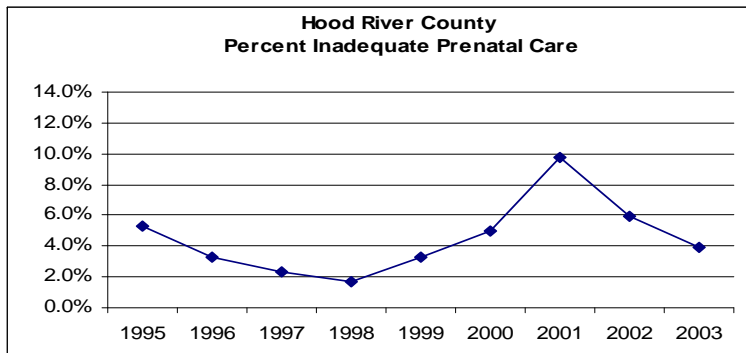
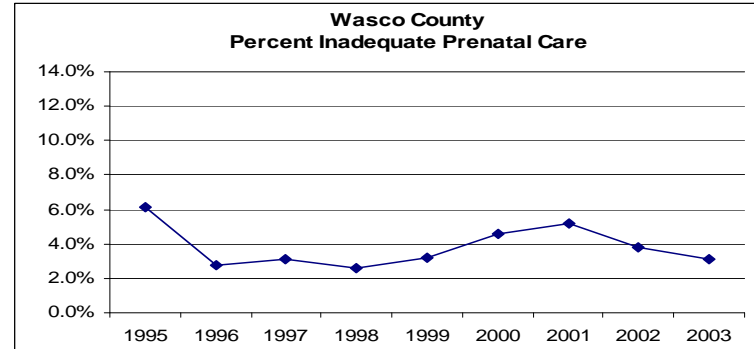
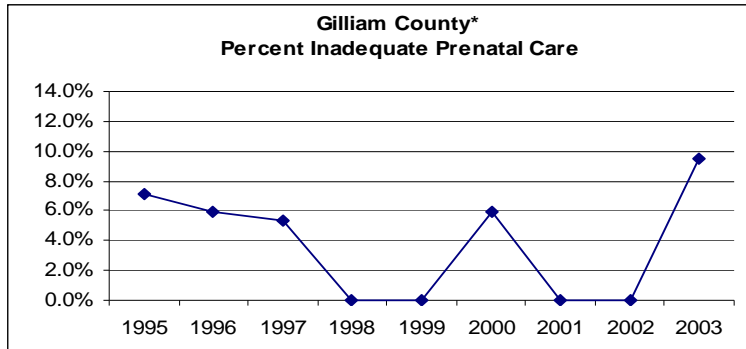


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

Columbia Gorge Central Region: Inadequate Prenatal Care, 1995-2003



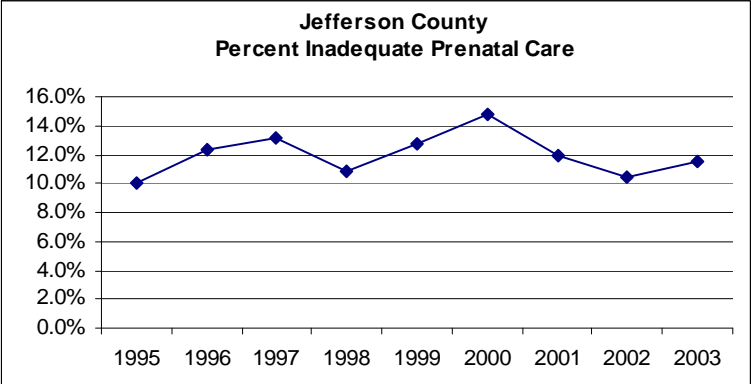
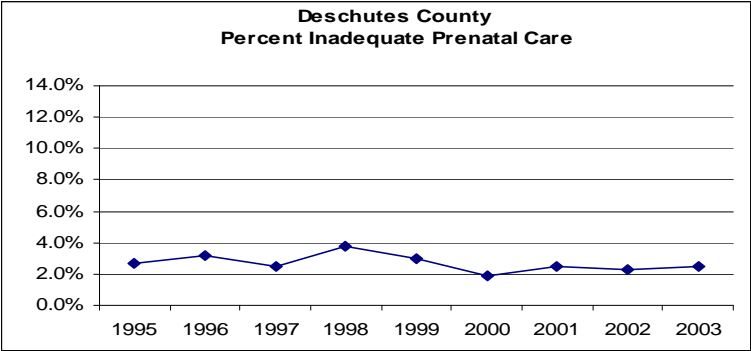
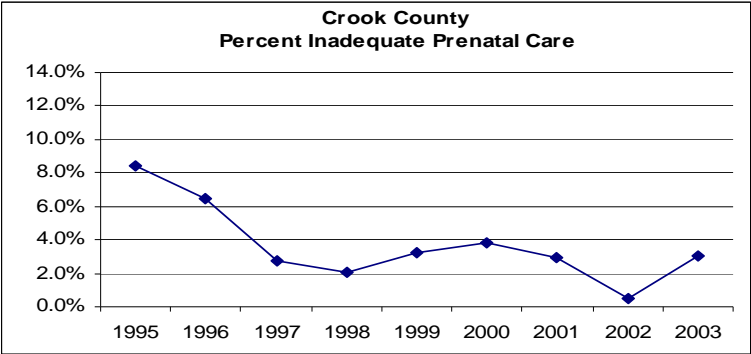
Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

*Less than 30 annual births in Gilliam, Sherman, and Wheeler counties.

Central Region: Inadequate Prenatal Care, 1995-2003

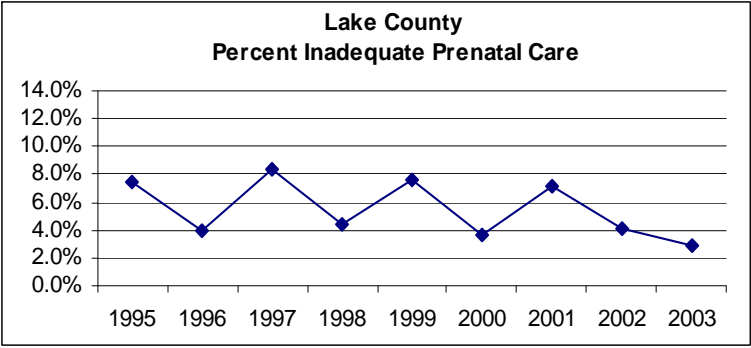
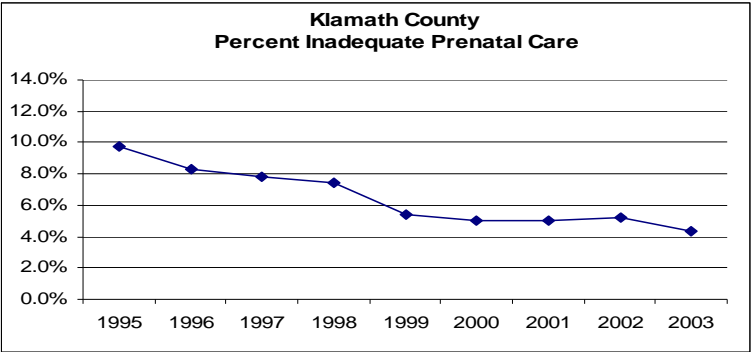


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

South Central Region: Inadequate Prenatal Care, 1995-2003

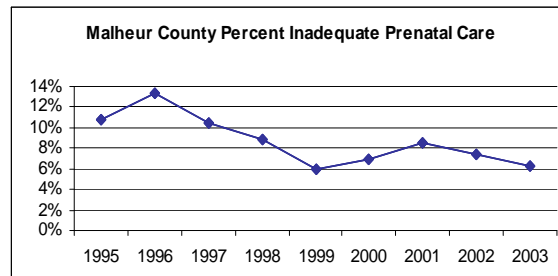
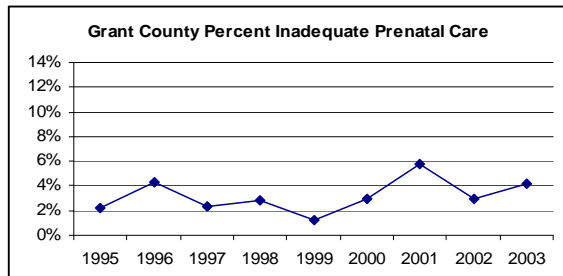
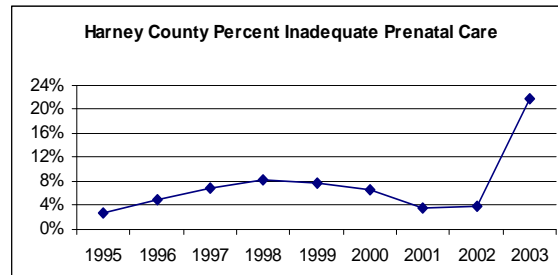
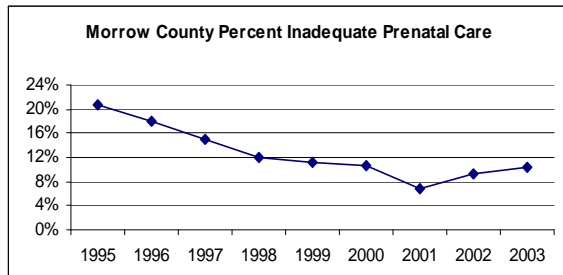
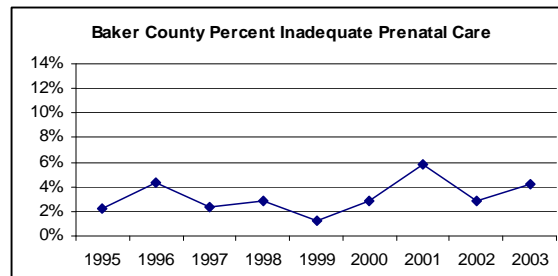
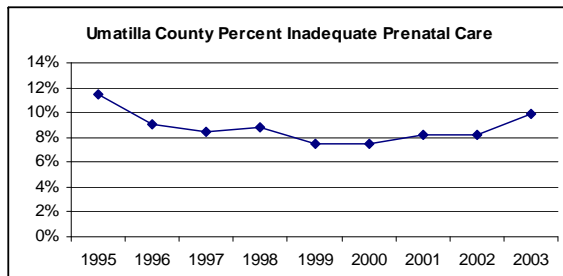
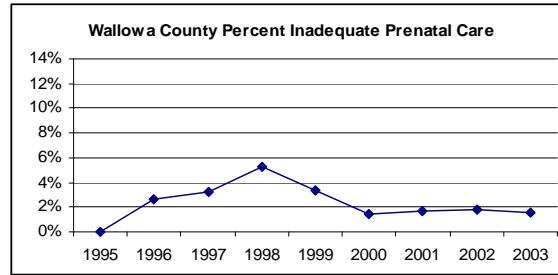
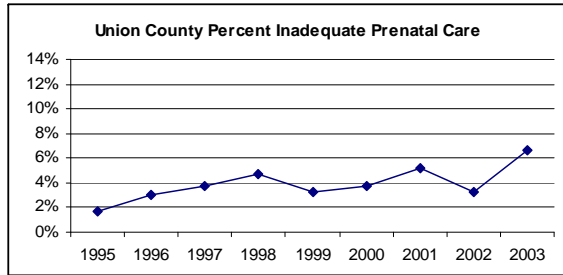


Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

Eastern Region: Inadequate Prenatal Care, 1995-2003



Inadequate prenatal care:

Less than 5 prenatal visits or prenatal care that began in the third trimester.

Source: Oregon Department of Human Services, Center for Health Statistics.

Ambulatory Care Sensitive Conditions

Agency for Healthcare Research and Quality (AHRQ)
Prevention Quality Indicators

AHRQ Prevention Quality Indicators

- Bacterial pneumonia
- Adult asthma
- Diabetes long-term complication
- Urinary tract infection
- Dehydration
- Congestive heart failure (CHF)
- Chronic obstructive pulmonary disease (COPD)

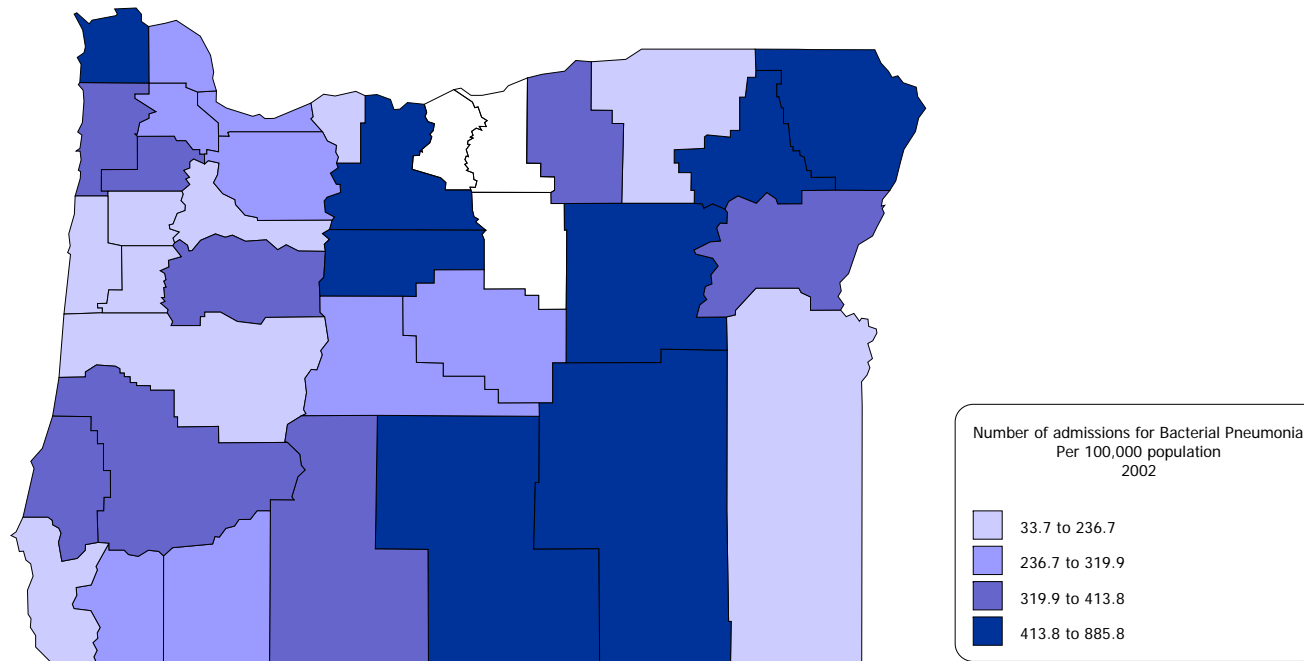
The following indicators are not included as there were too few counties with adequate numbers (>20) to be included in the analysis:

- Diabetes short-term complications
- Angina without procedure
- Perforated appendix
- Hypertension
- Pediatric asthma
- Uncontrolled diabetes
- Pediatric gastroenteritis
- Lower-extremity amputation among patients with diabetes

AHRQ Prevention Quality Indicators

- Set of measures that can be used with hospital inpatient discharge data to identify "ambulatory care sensitive conditions." These are conditions for which good outpatient care can potentially prevent the need for hospitalization or for which early intervention can prevent complications or more severe disease.
- 2002 Oregon hospital discharge data.
- Analysis conducted by patient's county of residence rather than hospital location.
- AHRQ recommends benchmarking against statewide or regional rates.

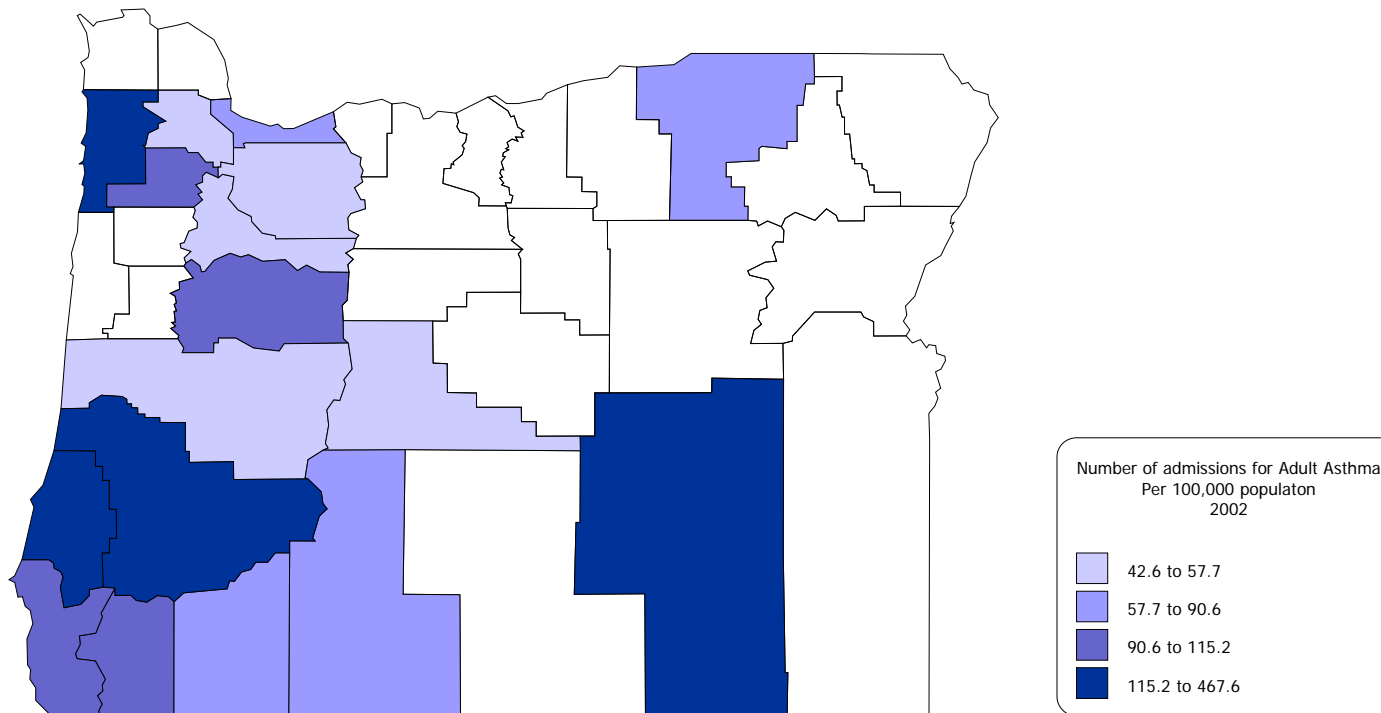
Admissions for Bacterial Pneumonia



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: Bacterial pneumonia is a relatively common acute condition, treatable for the most part with antibiotics.*
- Risk adjusted for age and sex.
- State population rate = 262.0 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).

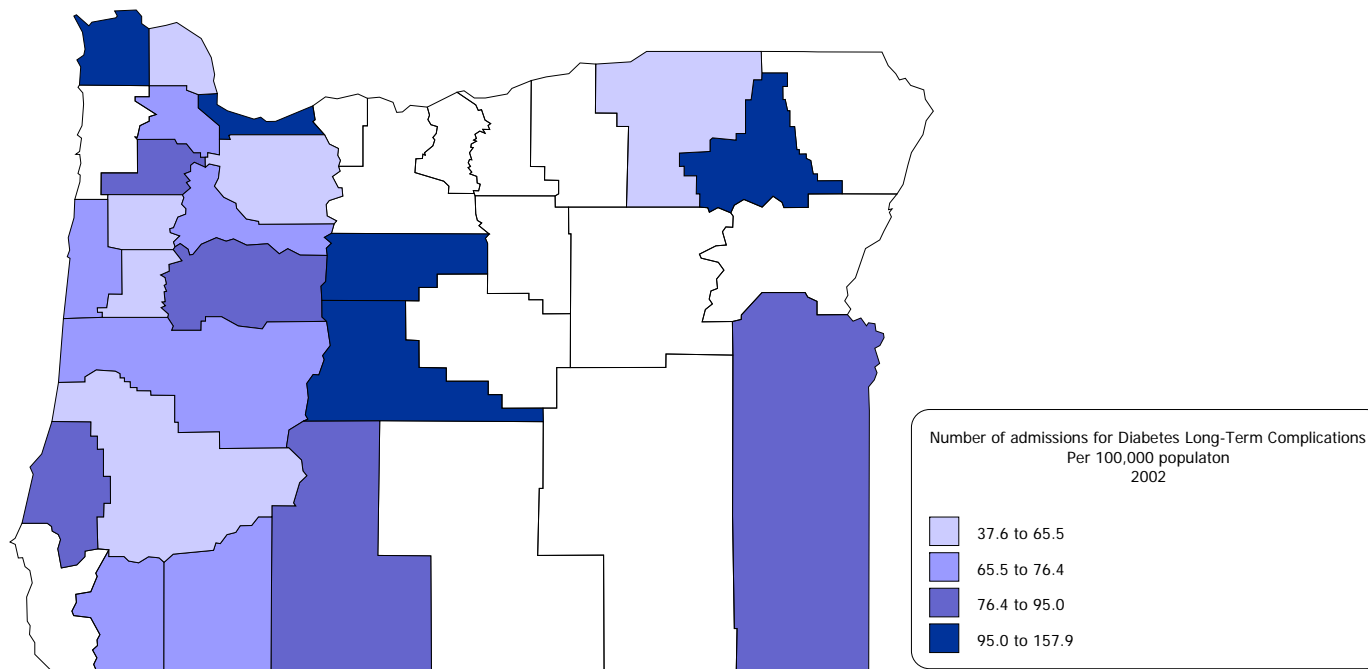
Admissions for Adult Asthma



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: Asthma is one of the most common reasons for hospital admission and emergency room care. Most cases of asthma can be managed with proper ongoing therapy on an outpatient basis.*
- Risk adjusted for age and sex.
- State population rate = 69.1 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).

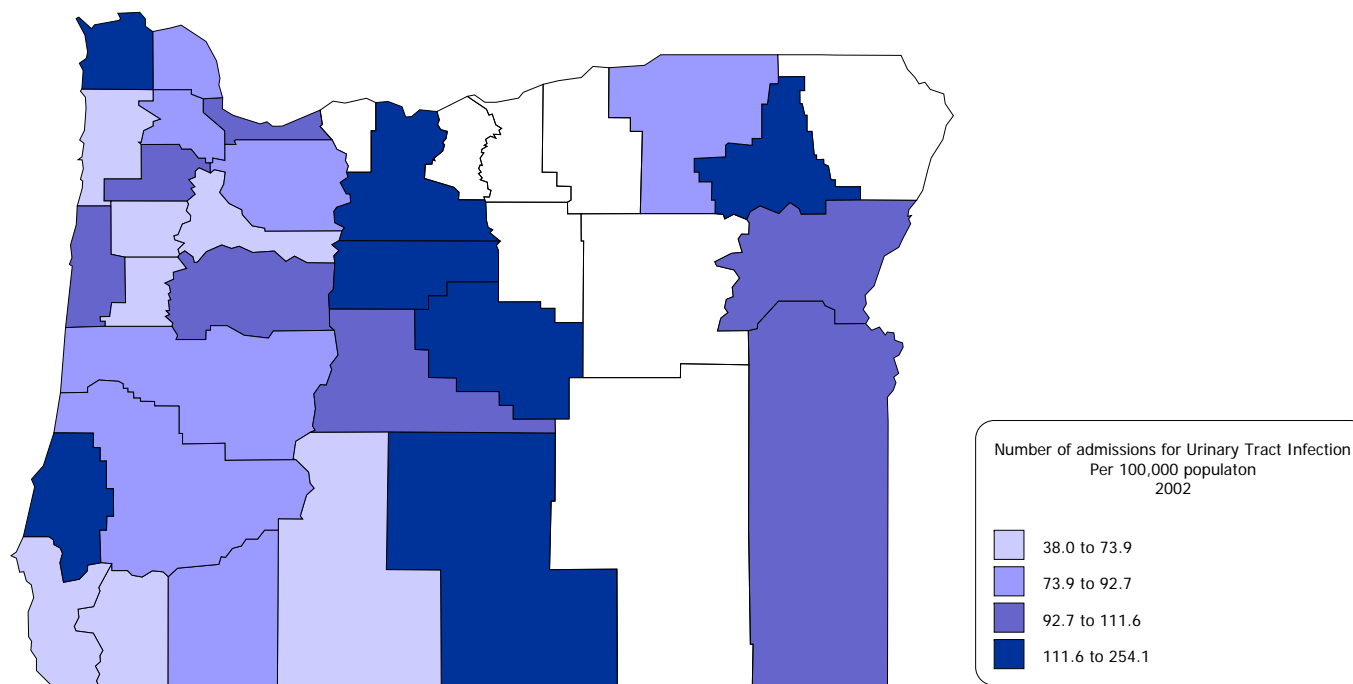
Admissions for Diabetes Long-Term Complications



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: Proper outpatient treatment and adherence to care may reduce the incidence of diabetic long-term complications.*
- Risk adjusted for age and sex.
- State population rate = 72.3 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).

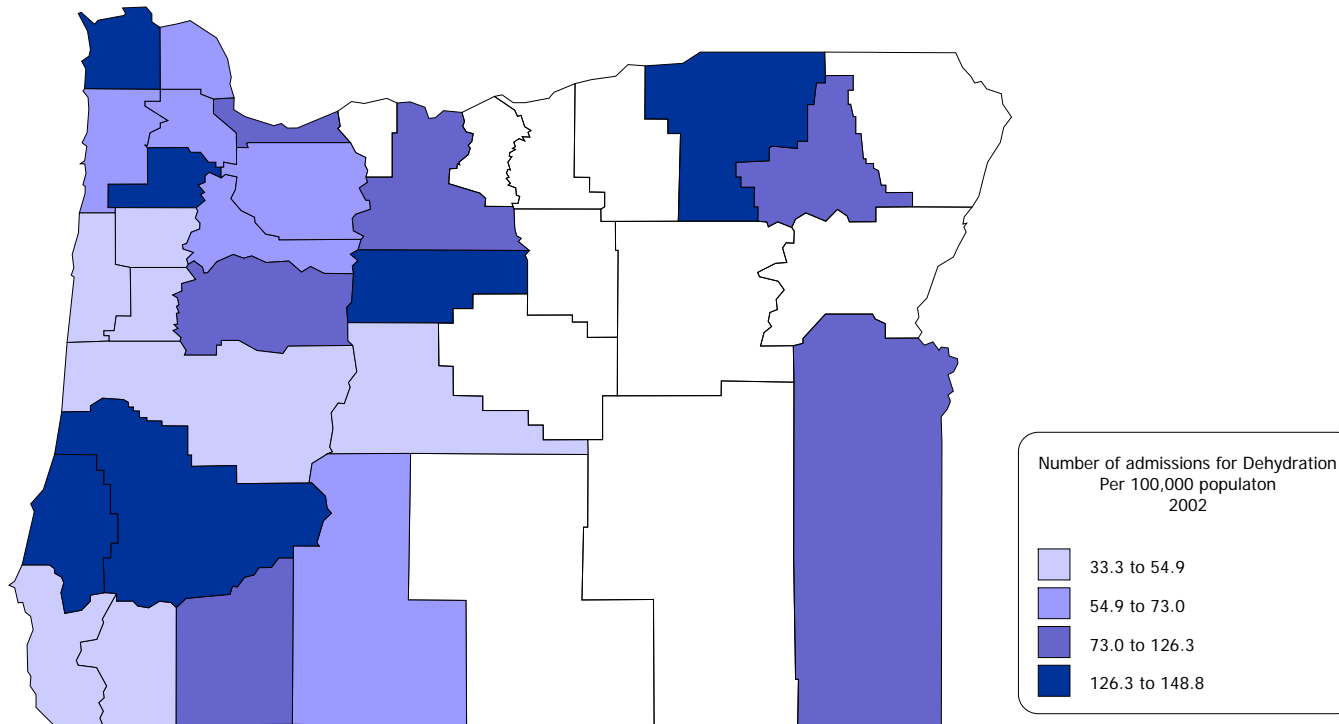
Admissions for Urinary Tract Infections



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: Urinary tract infection is a common acute condition that can usually be treated with antibiotics in an outpatient setting.*
- Risk adjusted for age and sex.
- State population rate = 89.1 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).

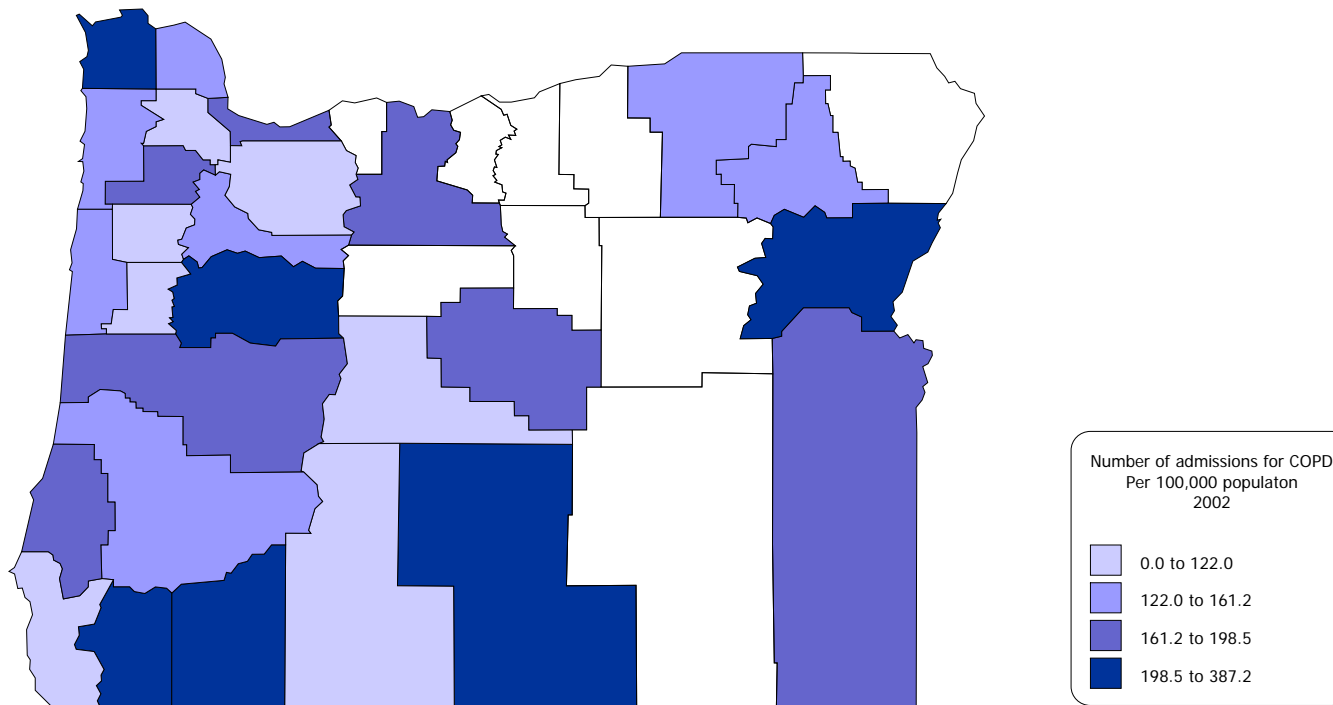
Admissions for Dehydration



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: Dehydration is a serious acute condition that occurs in frail patients and patients with other underlying illnesses following insufficient attention and support for fluid intake.*
- Riskadjusted for age and sex.
- State population rate = 70.8 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).

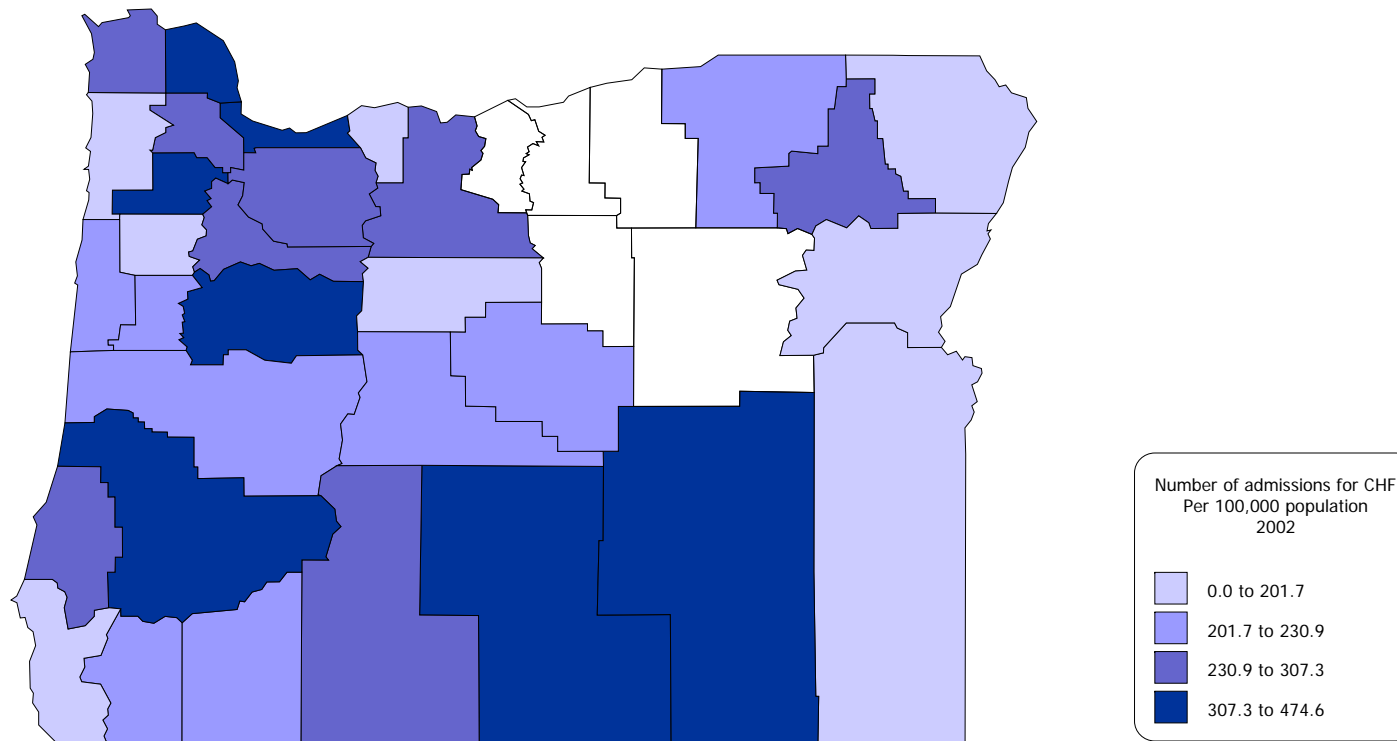
Admissions for Chronic Obstructive Pulmonary Disease (COPD)



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: proper outpatient treatment may reduce admissions for COPD.*
- Risk adjusted for age and sex.
- State population rate = 145.2 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).

Admissions for Congestive Heart Failure



- Counties with no shading indicate data suppressed; less than 20 cases.
- Rational for inclusion in AHRQ indicator set: Congestive heart failure (CHF) can be controlled in an outpatient setting for the most part; however, the disease is a chronic progressive disorder for which some hospitalizations are appropriate.*
- Risk adjusted for age and sex.
- State population rate = 263.6 admissions per 100,000 population.

*AHRQ, Guide to Prevention Indicators, AHRQ Pub. No. 02-R0203, Oct. 2001, Revision 3 (January 9, 2004).