

# Oregon's Health Care Workforce Supply

Based on data collected during 2016 and 2017

This report provides a snapshot of the state's health care workforce supply using data collected by the Oregon Health Authority in collaboration with 17 health professional licensing boards.

As Oregon's population increases and the number of Oregonians with health insurance grows, it is important to understand the health care workforce to make sure the supply of providers is able to meet the increasing demand. Since 2010, Oregon's population has increased by 7.9 percent. Simultaneously, Oregon's insurance coverage rate has increased from 85% in 2011 to nearly 94% today (2017 Oregon Health Insurance Survey, Oregon Health Authority). This increase

in covered individuals may stress the capacity of health care providers to deliver health services.

Determining the supply of health care workers involves more than simply adding up the number of people working in health care in Oregon. Other factors such as the ratio of providers to the population served and the future plans of providers to expand or reduce their practice must be taken into account. The number of students graduating from

Table 1a. Number of active licensees in Oregon

Occupation	Number licensed in Oregon					Trend <sup>†</sup>	Percentage change <sup>‡</sup>
	2009-10	2011-12	2013-14	2015-16	Jan '18		
Certified nursing assistants (CNA)	18,331	18,872	18,414	18,025	18,101		-1.3%
Dentists (DDS/DMD)	3,697	3,655	3,528	3,852	3,864		4.5%
Physicians (MD/DO)*	14,646	-	14,710	15,607	16,124		10.1%
Dental hygienists (RDH)	3,777	3,467	3,980	4,254	4,304		14.0%
Clinical nurse specialists (CNS)	165	191	192	202	193		17.0%
Licensed practical nurses (LPN)	4,081	4,283	4,660	4,934	5,246		28.5%
Registered nurses (RN)	43,015	44,481	47,456	51,926	55,316		28.6%
Certified pharmacy technicians (CPHT)	5,005	5,185	5,774	5,924	6,683		33.5%
Certified registered nurse anesthetists (CRNA)	466	513	605	644	644		38.2%
Physical therapist assistants (PTA)	869	916	1,041	1,136	1,397		60.8%
Physical therapists (PT)	3,139	3,383	3,720	4,148	5,113		62.9%
Nurse practitioners (NP)	2,277	2,438	2,794	3,444	3,992		75.3%
Dietitians (LD)	510	605	684	825	895		75.5%
Occupational therapists (OT)	1,269	1,422	1,482	1,844	2,260		78.1%
Physician assistants (PA) *	1,036	-	1,308	1,578	1,921		85.4%
Occupational therapy assistants (OTA)**	228	257	314	454	563		146.9%
Podiatrists (DPM) *	-	-	182	190	205		12.6%
Pharmacists (RPH)	-	5,665	5,799	7,511	7,723		36.3%
Oregon Population	3,837,300	3,883,735	3,962,710	4,076,350	4,141,100		7.9%

<sup>†</sup> Axes are not the same between occupations and should not be compared. Minor differences in methodology may prevent year to year comparisons.

<sup>‡</sup> Percentage change is from 2009-10 to Jan '18 except for Pharmacists (2011-12 to Jan '18) and Podiatrists (2013-14 to Jan '18).

\* 2011-2012 data unavailable from OMB. Mean values were imputed into trend lines for Physicians and Physician Assistants.

\*\* The increase in licensed OTAs between 2009-10 and Jan '18 may be due in part to a new Associates of OTA program in the state in 2010.

**Table 1b. Number of active licensees in Oregon (among boards that began reporting in 2016 or later)**

Number licensed in Oregon	
Occupation	Jan '18
Acupuncturists (LAC)	1,497
Chiropractic physicians (DC)	1,684
Chiropractic assistants (CA)	1,278
Counselors & therapists (LPC/LMFT)	3,839
Naturopathic physicians (ND)	1,030
Psychologists (PSY)	1,804
Respiratory therapists (RT)	1,902
Polysomnographic technologists (POL)	285
Licensed clinical social workers (LCSW)	4,215
Clinical social work associates (CSWA)	908
Non-clinical social workers (NCSW)	293
Audiologists (AUD)	299
Speech-language pathologists (SLP)	1,878
Speech-language pathologist assistants (SLPA)	245

Note: Eight licensees that hold both audiology and speech-language pathology licenses are grouped with the audiologists.

health care training programs, future migration of health care workers to Oregon from other states, and the types of insurance accepted by providers are also important factors, but are outside the scope of this report.

## Number of health care professionals

**Table 1a shows trends over time in the number of health care professionals who are licensed to work in Oregon.** Since reporting began in 2009, the number of providers licensed in Oregon has increased for all of the profiled health professions except certified nursing assistants. During the 2015 Oregon Legislative session, SB 230 added ten additional health licensing boards to the Health Care Workforce Reporting Program. Data collection for these boards began in in 2016. **Table 1b shows the number of health care professionals licensed by boards that began data reporting since 2016.** Trend data from these boards will be available in future reports.

Not all licensees who hold a license in Oregon are actively working in the health care field in Oregon. Further, not all active licensees complete the workforce survey (e.g. new

licensees). **Thus, the estimate of the number of licensees practicing in Oregon is derived from the percent of survey respondents that are actively practicing in the state as shown in Table 2.**

This estimate provides a more accurate picture of the supply of health care workers in Oregon. For example, pharmacists holding an Oregon license are less likely to work in the state than most other licensed professionals, as seen by a relatively small active practice rate (52.7%).

## FTE and Population-to-provider ratio

Because not all providers work full time and many spend at least some time outside of direct patient care (e.g. teaching and administration), it may be more helpful to look at the number of provider FTEs in the state and the number of health care provider direct care FTEs. **Total estimated FTE and estimated direct patient care FTE are shown in Table 3.**

Health care workforce supply can also be measured by the population-to-provider ratio: it provides insight into the number of individuals each health care provider might serve. It is calculated by dividing the number of people living in an area by the number of health care provider FTEs actively practicing in the same area. A lower population-to-provider ratio suggests more access to care for individuals living in a certain region. A higher ratio suggests less access.

**Table 3 also shows the statewide population-to-provider ratio, based on the number of estimated direct patient care FTEs.** At present, population-to-provider ratios vary by profession from 176 people per registered nurse to 110,224 people per clinical nurse specialist. To put these ratios into context, one must consider the demand for services provided by the health care worker and the amount of time a provider may spend with a patient. For example, dental hygienists, providing preventive care to a wide range of the population, generally have a smaller population-to-provider ratio than podiatrists, who provide specialized care to a small segment of the population. As such, the appropriate ratio to meet the demand at the state level may differ between occupations. (See Appendix A for county level estimates of provider counts, patient care FTE, and population-to-provider ratios.)

Table 2: Estimated number of providers practicing in Oregon

Occupation	Providers licensed in OR	Active practice rate <sup>†</sup>	Number of providers practicing in OR (estimated) <sup>‡</sup>
<b>Chiropractic</b>			
Chiropractic physicians	1,684	90.6%	1,526
Chiropractic assistants	1,278	95.2%	1,216
<b>Counselors &amp; Therapists</b>			
Counselors & therapists	3,839	87.1%	3,345
<b>Dentistry</b>			
Dentists	3,864	76.7%	2,964
Dental hygienists	4,304	74.7%	3,215
<b>Dietetics</b>			
Dietitians	895	80.4%	719
<b>Medicine</b>			
Physicians	16,124	86.9%	14,010
Podiatrists	205	93.6%	192
Physician assistants	1,921	96.4%	1,851
Acupuncturists	1,497	96.4%	1,442
<b>Naturopathy</b>			
Naturopathic physicians	1,030	83.6%	861
<b>Nursing</b>			
Nurse practitioners	3,992	80.6%	3,217
Certified registered nurse anesthetists	644	69.0%	444
Clinical nurse specialists	193	74.9%	144
Registered nurses	55,316	76.8%	42,506
Licensed practical nurses	5,246	82.1%	4,309
Certified nursing assistants	18,101	85.6%	15,491
<b>Occupational Therapy</b>			
Occupational therapists	2,260	78.8%	1,782
Occupational therapy assistants	563	80.1%	451
<b>Pharmacy</b>			
Pharmacists	7,723	52.7%	4,073
Certified pharmacy technicians	6,683	85.1%	5,685
<b>Physical Therapy</b>			
Physical therapists	5,113	77.3%	3,954
Physical therapist assistants	1,397	73.5%	1,026
<b>Psychology</b>			
Psychologists	1,804	90.0%	1,624
<b>Respiratory Therapy &amp; Polysomnography</b>			
Respiratory therapists	1,902	81.2%	1,544
Polysomnographic technologists	285	88.7%	253
<b>Social Work</b>			
Licensed clinical social workers	4,215	87.3%	3,678
Clinical social work associates	908	94.2%	856
Non-clinical social workers	293	66.5%	195
<b>Speech-Language Pathology &amp; Audiology</b>			
Audiologists	299	79.4%	237
Speech-language pathologists	1,878	84.5%	1,587
Speech-language pathologist assistants	245	78.8%	193

† Active practice rate = % survey takers who are active in OR (of those with known work location and practice status); Active means licensees who 1) identified their employment status as 'employed in the field', 'self-employed in the field', 'volunteer', or 'other'; and 2) reported a primary practice location in Oregon. ‡ Number of providers practicing in OR (Estimated) = Providers licensed in OR \* Active practice rate

Table 3. FTE, direct patient care FTE, and population-to-provider ratio

Occupation	FTE (estimated) †	Direct patient care FTE (estimated) ‡	Population-to-provider ratio *
<b>Chiropractic</b>			
Chiropractic physicians	1,148	864	4,792:1
Chiropractic assistants	815	510	8,122:1
<b>Counselors &amp; Therapists</b>			
Counselors & therapists	2,478	1,505	2,752:1
<b>Dentistry</b>			
Dentists	2,369	2,192	1,889:1
Dental hygienists	2,205	1,927	2,149:1
<b>Dietetics</b>			
Dietitians	559	336	12,339:1
<b>Medicine</b>			
Physicians	12,100	10,457	396:1
Podiatrists	172	153	27,077:1
Physician assistants	1,668	1,500	2,760:1
Acupuncturists	925	770	5,378:1
<b>Naturopathy</b>			
Naturopathic physicians	611	423	9,790:1
<b>Nursing</b>			
Nurse practitioners	2,652	2,248	1,842:1
Certified registered nurse anesthetists	396	373	11,100:1
Clinical nurse specialists	126	38	110,224:1
Registered nurses	35,003	23,546	176:1
Licensed practical nurses	3,841	2,643	1,567:1
Certified nursing assistants	13,123	11,584	357:1
<b>Occupational Therapy</b>			
Occupational therapists	1,395	986	4,202:1
Occupational therapy assistants	370	291	14,229:1
<b>Pharmacy</b>			
Pharmacists	3,553	2,403	1,723:1
Certified pharmacy technicians	5,159	2,670	1,551:1
<b>Physical Therapy</b>			
Physical therapists	3,323	2,691	1,539:1
Physical therapist assistants	835	691	5,992:1
<b>Psychology</b>			
Psychologists	1,262	790	5,242:1
<b>Respiratory Therapy &amp; Polysomnography</b>			
Respiratory therapists	1,329	1,025	4,040:1
Polysomnographic technologists	231	154	26,808:1
<b>Social Work</b>			
Licensed clinical social workers	2,981	1,811	2,286:1
Clinical social work associates	786	506	8,180:1
Non-clinical social workers	165	66	62,772:1
<b>Speech-Language Pathology &amp; Audiology</b>			
Audiologists	208	144	28,718:1
Speech-language pathologists	1,322	893	4,638:1
Speech-language pathologist assistants	145	97	42,560:1

† FTE (Estimated): # practicing in OR (Estimated) \* average FTE for occupation; ‡ Direct Patient Care FTE (Estimated): # practicing in OR (Estimated) \* average Patient Care FTE for occupation; \* Population-to-provider ratio based on Direct Patient Care FTE (Estimated) in OR; 2017 Oregon population: 4,141,100; Source: Portland State University Population Research Center

## Future practice plans

Within each profession and in the aggregate, the health care workforce is always changing. Professionals may move out of state, change the number of hours they work, or retire; each of these affects the overall supply of health care workers.

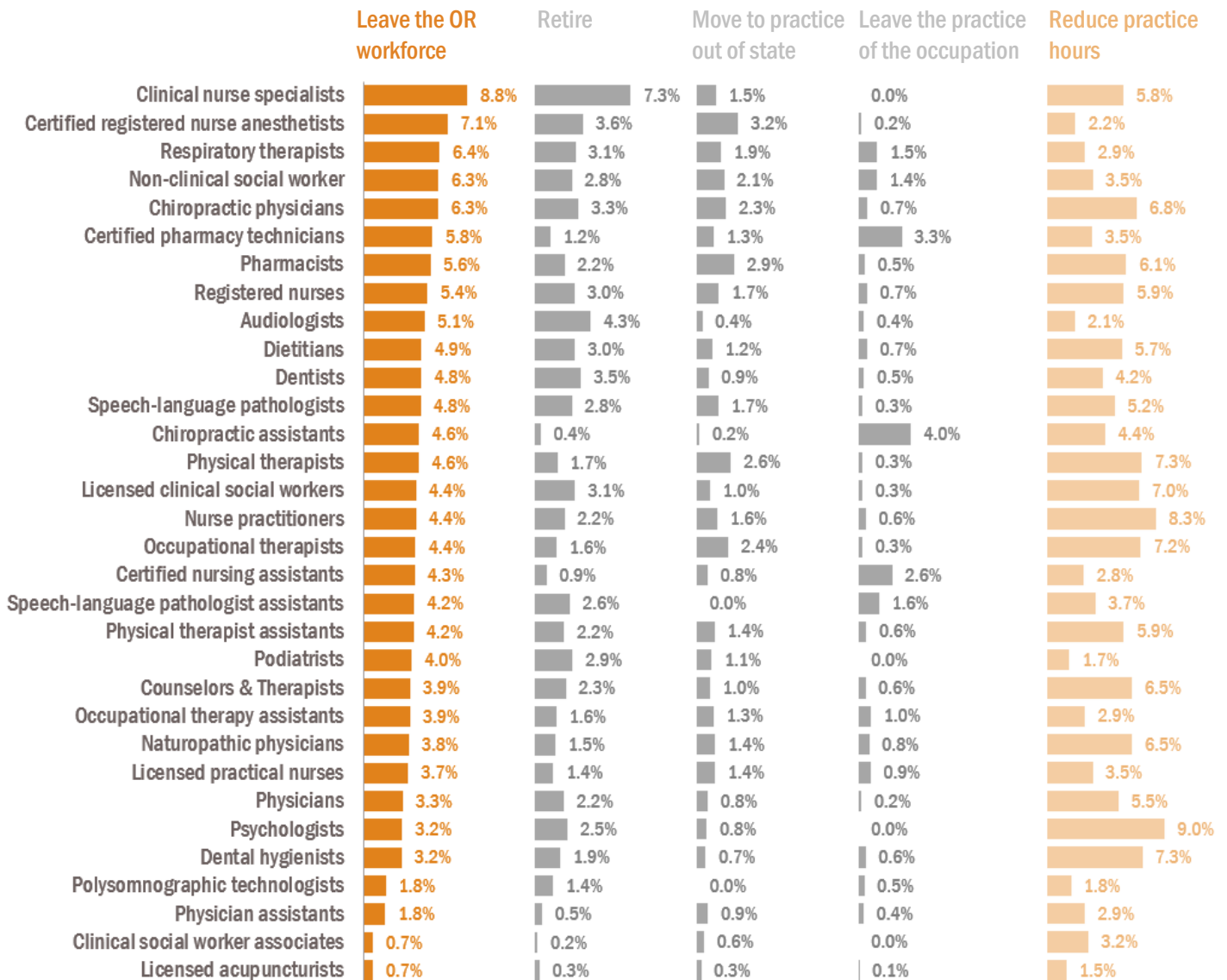
The majority (76.6%) of providers actively practicing in Oregon plan no changes to their practice, 4.6 percent intend to leave the workforce, and 5.3 percent intend to reduce their practice hours in the next two years (Figure 1). The primary reason for leaving the workforce differs by occupation (Figure 2). Some are more likely to retire (e.g. clinical nurse specialists), while others are much more likely to report plans to leave the occupation and move to another field (e.g. certi-

fied pharmacy technicians). New licensees and increased practice hours for other licensees may make up for these decreases to the workforce. In the next two years, 6.5 percent of the workforce plans to increase their practice hours.

Figure 1. Practice plans in the next two years



Figure 2. Plan to leave the Oregon workforce in the next two years



Note: Figures 1 and 2 show the distribution for the subset of licensees who completed the Health Care Workforce Survey and are working in the field in Oregon.

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## About this fact sheet:

The Health Care Workforce Reporting Program (HWRP) collects workforce-related information directly from health care professionals via a questionnaire embedded in the license renewal process. Data reported in this fact sheet were collected during a two-year period (2016-2017).

## For questions about this report, contact:

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## For more information about methodology and results, visit:

<https://www.oregon.gov/oha/hpa/analytics/Pages/Health-Care-Workforce-Reporting.aspx>

## Sources:

State population estimates come from Portland State University Population Research Center (<https://www.pdx.edu/prc/population-reports-estimates>)

Oregon Health Authority. (2018). *2017 OHIS early release results*. Portland, OR: Oregon Health Authority. (<https://www.oregon.gov/oha/HPA/ANALYTICS/Pages/Insurance-Data.aspx>)

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## Appendix A: Estimated count, FTE in direct patient care, and population-to-provider FTE ratio by county

### Chiropractic

County	Population	Chiropractic physicians			Chiropractic assistants		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	3	2.3	7,309	1	0.7	24,708
BENTON	92,575	24	15.0	6,162	26	11.9	7,750
CLACKAMAS	413,000	152	86.0	4,803	154	65.5	6,301
CLATSOP	38,820	10	5.4	7,243	0	0.0	-
COLUMBIA	51,345	9	4.9	10,520	1	0.6	81,798
COOS	63,310	12	6.4	9,816	16	4.6	13,662
CROOK	22,105	8	5.2	4,214	6	3.7	6,030
CURRY	22,805	6	3.1	7,319	0	0.0	-
DESCHUTES	182,930	97	52.8	3,462	30	12.1	15,127
DOUGLAS	111,180	25	15.3	7,285	34	17.3	6,426
GILLIAM	1,995	0	0.0	-	0	0.0	-
GRANT	7,415	1	0.2	40,862	0	0.0	-
HARNEY	7,360	2	0.5	15,125	1	0.6	12,026
HOOD RIVER	25,145	15	8.5	2,954	0	0.0	-
JACKSON	216,900	81	48.2	4,503	45	19.1	11,343
JEFFERSON	23,190	2	1.5	15,828	1	0.5	46,180
JOSEPHINE	85,650	20	10.2	8,372	10	3.4	25,363
KLAMATH	67,690	15	8.1	8,337	13	6.0	11,219
LAKE	8,120	1	0.6	12,585	1	0.0	-
LANE	370,600	89	55.7	6,656	102	34.8	10,634
LINCOLN	47,960	10	3.8	12,752	9	4.3	11,253
LINN	124,010	20	13.0	9,556	26	12.9	9,610
MALHEUR	31,845	8	4.5	7,093	0	0.0	-
MARION	339,200	96	57.1	5,936	129	55.8	6,083
MORROW	11,890	1	0.9	13,821	0	0.0	-
MULTNOMAH	803,000	509	271.6	2,957	392	164.1	4,894
POLK	81,000	14	8.6	9,424	9	1.9	42,871
SHERMAN	1,800	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	9	4.6	5,689	1	0.5	55,600
UMATILLA	80,500	17	10.1	7,991	13	4.9	16,575
UNION	26,900	10	7.2	3,727	8	3.1	8,658
WALLOWA	7,195	3	1.8	3,936	0	0.0	-
WASCO	27,100	8	4.1	6,688	1	0.1	215,867
WASHINGTON	595,860	228	132.1	4,511	153	71.9	8,288
WHEELER	1,480	0	0.0	-	0	0.0	-
YAMHILL	106,300	24	14.9	7,144	33	9.6	11,129
STATEWIDE	4,141,100	1,526	864	4,792	1,216	510	8,122

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### *Counselors & Therapists*

County	Population	Counselors & therapists			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	7	2.7	6,206	●
BENTON	92,575	77	35.1	2,638	
CLACKAMAS	413,000	294	123.3	3,350	
CLATSOP	38,820	33	14.3	2,715	
COLUMBIA	51,345	22	7.8	6,609	●
COOS	63,310	41	17.7	3,582	
CROOK	22,105	5	2.5	8,702	●
CURRY	22,805	9	5.9	3,852	
DESCHUTES	182,930	204	97.5	1,877	
DOUGLAS	111,180	34	18.0	6,163	●
GILLIAM	1,995	0	0.0	-	●
GRANT	7,415	2	0.7	11,390	●
HARNEY	7,360	2	1.2	6,384	●
HOOD RIVER	25,145	20	10.1	2,488	
JACKSON	216,900	191	82.9	2,617	
JEFFERSON	23,190	9	4.9	4,697	●
JOSEPHINE	85,650	65	32.8	2,614	
KLAMATH	67,690	33	13.4	5,064	●
LAKE	8,120	1	0.7	11,087	●
LANE	370,600	319	145.2	2,552	
LINCOLN	47,960	34	12.9	3,721	
LINN	124,010	45	22.6	5,487	●
MALHEUR	31,845	9	2.8	11,299	●
MARION	339,200	235	112.6	3,013	
MORROW	11,890	3	1.4	8,421	●
MULTNOMAH	803,000	1,111	479.5	1,675	
POLK	81,000	35	17.8	4,559	●
SHERMAN	1,800	0	0.0	-	●
TILLAMOOK	26,175	11	2.6	9,989	●
UMATILLA	80,500	12	7.2	11,205	●
UNION	26,900	7	1.5	17,490	●
WALLOWA	7,195	4	2.3	3,196	
WASCO	27,100	12	3.7	7,293	●
WASHINGTON	595,860	415	199.5	2,987	
WHEELER	1,480	0	0.0	-	●
YAMHILL	106,300	47	22.1	4,820	●
STATEWIDE	4,141,100	3,345	1,505	2,752	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.



## Appendix A: Continued

### Dental

County	Population	Dentists			Dental hygienists		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	7	5.0	3,365	8	4.0	4,143
BENTON	92,575	48	38.0	2,436	75	44.9	2,060
CLACKAMAS	413,000	304	236.9	1,743	328	190.0	2,173
CLATSOP	38,820	20	16.3	2,386	27	16.8	2,309
COLUMBIA	51,345	21	15.0	3,428	27	16.1	3,194
COOS	63,310	37	26.5	2,387	36	24.1	2,631
CROOK	22,105	8	6.4	3,472	10	5.2	4,243
CURRY	22,805	11	9.2	2,481	12	8.7	2,619
DESCHUTES	182,930	145	105.0	1,742	181	111.5	1,641
DOUGLAS	111,180	58	42.5	2,616	74	46.0	2,415
GILLIAM	1,995	0	0.0	-	1	0.3	7,905
GRANT	7,415	6	4.5	1,634	4	2.7	2,698
HARNEY	7,360	4	1.9	3,915	2	0.9	8,139
HOOD RIVER	25,145	29	22.0	1,145	24	14.3	1,754
JACKSON	216,900	149	118.9	1,825	175	106.9	2,029
JEFFERSON	23,190	7	5.0	4,606	7	4.8	4,842
JOSEPHINE	85,650	55	40.6	2,108	58	33.9	2,523
KLAMATH	67,690	40	30.7	2,203	56	28.4	2,384
LAKE	8,120	3	3.2	2,558	4	2.4	3,431
LANE	370,600	236	184.4	2,009	322	192.4	1,926
LINCOLN	47,960	26	19.3	2,490	30	17.7	2,703
LINN	124,010	55	46.1	2,693	75	47.2	2,627
MALHEUR	31,845	23	19.1	1,666	22	12.4	2,566
MARION	339,200	254	185.9	1,825	248	148.5	2,285
MORROW	11,890	2	0.8	14,235	1	1.1	10,601
MULTNOMAH	803,000	726	482.5	1,664	674	404.8	1,984
POLK	81,000	29	21.7	3,728	29	18.9	4,276
SHERMAN	1,800	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	11	10.1	2,599	15	10.1	2,600
UMATILLA	80,500	43	33.4	2,407	49	28.5	2,826
UNION	26,900	13	9.5	2,826	19	11.5	2,331
WALLOWA	7,195	3	2.2	3,238	6	3.5	2,028
WASCO	27,100	17	13.0	2,085	19	11.1	2,432
WASHINGTON	595,860	519	395.4	1,507	541	325.1	1,833
WHEELER	1,480	2	0.3	4,400	0	0.0	-
YAMHILL	106,300	52	40.5	2,625	55	32.4	3,284
STATEWIDE	4,141,100	2,964	2,192	1,889	3,215	1,927	2,149

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### *Dietetics*

County	Population	Dietitians			Pop-to-Prov Ratio
		Estimated Count	Est. Patient Care FTE		
BAKER	16,750	4	1.8	9,571	
BENTON	92,575	27	10.6	8,696	
CLACKAMAS	413,000	59	28.0	14,727	
CLATSOP	38,820	10	4.5	8,716	
COLUMBIA	51,345	1	0.2	211,978	●
COOS	63,310	10	3.4	18,578	●
CROOK	22,105	1	1.0	22,815	●
CURRY	22,805	1	0.5	47,075	●
DESCHUTES	182,930	38	15.4	11,864	
DOUGLAS	111,180	12	5.3	20,805	●
GILLIAM	1,995	0	0.0	-	●
GRANT	7,415	1	0.1	102,042	●
HARNEY	7,360	0	0.0	-	●
HOOD RIVER	25,145	5	1.5	16,610	
JACKSON	216,900	19	12.1	17,999	
JEFFERSON	23,190	1	0.6	38,296	●
JOSEPHINE	85,650	6	4.3	19,782	●
KLAMATH	67,690	6	3.2	21,414	●
LAKE	8,120	1	0.0	335,232	●
LANE	370,600	48	25.5	14,517	
LINCOLN	47,960	2	1.7	28,286	●
LINN	124,010	23	10.3	11,997	
MALHEUR	31,845	6	2.5	12,846	
MARION	339,200	59	29.0	11,714	
MORROW	11,890	0	0.0	-	●
MULTNOMAH	803,000	245	115.1	6,974	
POLK	81,000	4	0.2	384,930	●
SHERMAN	1,800	0	0.0	-	●
TILLAMOOK	26,175	2	1.0	25,961	●
UMATILLA	80,500	15	6.9	11,666	
UNION	26,900	4	1.8	15,187	
WALLOWA	7,195	2	0.3	23,764	●
WASCO	27,100	6	2.4	11,280	
WASHINGTON	595,860	94	43.1	13,818	
WHEELER	1,480	0	0.0	-	●
YAMHILL	106,300	6	3.3	32,705	●
STATEWIDE	4,141,100	719	336	12,339	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Medicine (1)

County	Population	Physicians			Podiatrists			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	66	50.7	330	1	0.2	96,457	●
BENTON	92,575	364	272.0	340	2	2.1	44,781	●
CLACKAMAS	413,000	1,157	874.8	472	22	16.2	25,491	
CLATSOP	38,820	119	96.3	403	2	1.7	22,716	
COLUMBIA	51,345	25	15.2	3,382	0	0.0	-	●
COOS	63,310	158	132.3	479	4	3.5	18,229	
CROOK	22,105	18	12.6	1,757	0	0.0	-	●
CURRY	22,805	50	41.6	548	1	0.6	41,367	●
DESCHUTES	182,930	706	535.4	342	10	6.0	30,668	
DOUGLAS	111,180	249	196.4	566	8	5.9	18,787	
GILLIAM	1,995	0	0.0	-	0	0.0	-	●
GRANT	7,415	14	9.9	747	0	0.0	-	●
HARNEY	7,360	15	12.9	570	0	0.0	-	●
HOOD RIVER	25,145	107	77.8	323	1	0.0	-	●
JACKSON	216,900	756	606.9	357	13	11.4	19,007	
JEFFERSON	23,190	26	19.9	1,164	0	0.0	-	●
JOSEPHINE	85,650	179	149.5	573	7	6.1	13,934	
KLAMATH	67,690	166	128.7	526	2	2.1	32,441	
LAKE	8,120	14	10.9	748	0	0.0	-	●
LANE	370,600	1,108	861.9	430	13	10.8	34,286	
LINCOLN	47,960	80	62.0	773	2	2.2	21,749	
LINN	124,010	200	149.2	831	3	1.9	63,906	●
MALHEUR	31,845	128	90.8	351	1	1.1	28,883	
MARION	339,200	919	717.3	473	11	10.2	33,408	
MORROW	11,890	6	3.5	3,352	0	0.0	-	●
MULTNOMAH	803,000	4,884	3,470.5	231	45	38.5	20,835	
POLK	81,000	69	54.6	1,484	1	0.8	97,954	●
SHERMAN	1,800	0	0.0	-	0	0.0	-	●
TILLAMOOK	26,175	55	41.2	635	2	2.1	12,174	●
UMATILLA	80,500	189	118.0	682	4	3.0	27,092	
UNION	26,900	62	49.5	544	0	0.0	-	●
WALLOWA	7,195	19	15.3	469	1	1.0	7,251	●
WASCO	27,100	91	66.7	407	2	1.8	15,362	
WASHINGTON	595,860	1,811	1,352.3	441	25	19.6	30,374	
WHEELER	1,480	1	1.0	1,460	0	0.0	-	●
YAMHILL	106,300	202	159.5	666	6	4.2	25,540	
STATEWIDE	4,141,100	14,010	10,457	396	192	153	27,077	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

# Appendix A: Continued

## Medicine (2)

County	Population	Physician assistants			Acupuncturists			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	8	4.5	3,692	1	0.8	20,885	●
BENTON	92,575	53	43.5	2,129	29	14.2	6,520	●
CLACKAMAS	413,000	117	95.2	4,336	101	55.6	7,430	●
CLATSOP	38,820	12	8.9	4,345	8	5.3	7,279	●
COLUMBIA	51,345	9	7.1	7,213	5	2.9	17,407	●
COOS	63,310	18	15.9	3,981	7	3.8	16,782	●
CROOK	22,105	5	4.0	5,509	1	0.7	33,074	●
CURRY	22,805	8	6.4	3,551	2	1.5	15,233	●
DESCHUTES	182,930	146	121.5	1,505	77	45.5	4,024	
DOUGLAS	111,180	39	31.7	3,506	6	3.7	29,991	●
GILLIAM	1,995	2	2.0	1,004	0	0.0	-	●
GRANT	7,415	0	0.0	-	2	1.0	7,681	●
HARNEY	7,360	2	1.9	3,808	0	0.0	-	●
HOOD RIVER	25,145	16	11.7	2,143	14	6.1	4,148	●
JACKSON	216,900	110	88.5	2,451	64	32.2	6,741	●
JEFFERSON	23,190	8	5.3	4,378	2	1.2	19,041	●
JOSEPHINE	85,650	32	28.4	3,012	17	8.7	9,829	●
KLAMATH	67,690	24	18.9	3,574	4	2.4	28,664	●
LAKE	8,120	3	2.6	3,151	0	0.0	-	●
LANE	370,600	176	148.4	2,497	81	45.8	8,100	●
LINCOLN	47,960	26	22.3	2,149	10	7.5	6,407	●
LINN	124,010	40	34.9	3,555	10	3.9	31,979	●
MALHEUR	31,845	25	17.0	1,872	0	0.0	-	●
MARION	339,200	119	94.7	3,580	42	24.0	14,142	●
MORROW	11,890	4	3.8	3,119	0	0.0	-	●
MULTNOMAH	803,000	523	419.4	1,915	782	395.8	2,029	
POLK	81,000	17	13.4	6,046	4	1.6	49,580	●
SHERMAN	1,800	0	0.0	-	0	0.0	-	●
TILLAMOOK	26,175	8	5.4	4,803	5	2.6	9,957	●
UMATILLA	80,500	25	19.6	4,117	1	1.2	67,751	●
UNION	26,900	3	2.9	9,278	5	3.4	7,909	●
WALLOWA	7,195	2	2.1	3,350	5	2.8	2,555	
WASCO	27,100	11	8.2	3,293	4	2.7	10,137	●
WASHINGTON	595,860	237	188.9	3,155	143	84.9	7,019	●
WHEELER	1,480	1	1.1	1,378	0	0.0	-	●
YAMHILL	106,300	25	19.7	5,386	13	8.3	12,838	●
STATEWIDE	4,141,100	1,851	1,500	2,760	1,442	770	5,378	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Naturopathy

County	Population	Naturopathic physicians			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	0	0.0	-	●
BENTON	92,575	10	3.9	23,766	●
CLACKAMAS	413,000	90	42.4	9,749	
CLATSOP	38,820	7	3.1	12,518	
COLUMBIA	51,345	3	1.7	30,118	●
COOS	63,310	1	0.1	710,901	●
CROOK	22,105	0	0.0	-	●
CURRY	22,805	0	0.0	-	●
DESCHUTES	182,930	37	17.9	10,221	
DOUGLAS	111,180	4	1.8	61,542	●
GILLIAM	1,995	0	0.0	-	●
GRANT	7,415	0	0.0	-	●
HARNEY	7,360	0	0.0	-	●
HOOD RIVER	25,145	9	4.1	6,113	
JACKSON	216,900	29	13.9	15,582	●
JEFFERSON	23,190	1	0.5	45,570	●
JOSEPHINE	85,650	7	3.0	28,098	●
KLAMATH	67,690	2	1.4	48,723	●
LAKE	8,120	0	0.0	-	●
LANE	370,600	30	14.8	25,080	●
LINCOLN	47,960	3	1.4	34,270	●
LINN	124,010	3	1.8	70,634	●
MALHEUR	31,845	0	0.0	-	●
MARION	339,200	18	11.0	30,787	●
MORROW	11,890	0	0.0	-	●
MULTNOMAH	803,000	463	219.6	3,657	●
POLK	81,000	1	0.7	121,272	●
SHERMAN	1,800	0	0.0	-	●
TILLAMOOK	26,175	1	1.0	25,718	●
UMATILLA	80,500	0	0.0	-	●
UNION	26,900	2	0.2	165,187	●
WALLOWA	7,195	0	0.0	-	●
WASCO	27,100	3	1.7	16,125	●
WASHINGTON	595,860	121	68.8	8,659	
WHEELER	1,480	0	0.0	-	●
YAMHILL	106,300	16	8.3	12,825	
STATEWIDE	4,141,100	861	423	9,790	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Nursing (1)

County	Population	Nurse practitioners			Certified registered nurse anesthetists			Clinical nurse specialists		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	6	3.2	5,226	1	1.1	15,818	0	0.0	-
BENTON	92,575	70	50.5	1,833	0	0.0	-	3	0.1	1,755,575
CLACKAMAS	413,000	221	151.5	2,725	81	66.8	6,184	5	0.7	569,602
CLATSOP	38,820	44	33.5	1,160	10	8.6	4,533	0	0.0	-
COLUMBIA	51,345	15	10.1	5,070	0	0.0	-	1	0.0	-
COOS	63,310	52	41.2	1,537	16	13.4	4,710	4	1.4	44,466
CROOK	22,105	7	5.1	4,357	2	1.1	20,457	0	0.0	-
CURRY	22,805	20	14.0	1,627	2	1.6	14,129	0	0.0	-
DESCHUTES	182,930	139	94.8	1,930	10	8.6	21,295	2	0.4	433,629
DOUGLAS	111,180	95	74.0	1,503	2	1.7	64,308	1	0.8	131,774
GILLIAM	1,995	2	1.9	1,023	0	0.0	-	0	0.0	-
GRANT	7,415	5	4.4	1,697	2	1.7	4,289	0	0.0	-
HARNEY	7,360	7	3.6	2,023	3	2.2	3,347	0	0.0	-
HOOD RIVER	25,145	15	10.6	2,373	6	6.5	3,878	0	0.0	-
JACKSON	216,900	251	187.6	1,156	5	4.6	47,093	9	1.9	112,691
JEFFERSON	23,190	8	5.0	4,617	1	0.4	53,654	0	0.0	-
JOSEPHINE	85,650	71	56.1	1,526	13	11.4	7,499	0	0.0	-
KLAMATH	67,690	46	37.4	1,810	0	0.0	-	1	0.9	71,314
LAKE	8,120	3	2.7	3,052	3	2.3	3,536	0	0.0	-
LANE	370,600	234	174.8	2,120	16	13.0	28,602	9	4.6	81,014
LINCOLN	47,960	28	23.0	2,090	8	6.8	4,279	1	0.0	-
LINN	124,010	30	20.9	5,928	10	9.5	13,070	1	0.0	-
MALHEUR	31,845	26	22.3	1,428	4	3.5	9,068	0	0.0	-
MARION	339,200	210	157.7	2,150	15	14.3	23,692	9	3.0	112,653
MORROW	11,890	5	3.2	3,690	0	0.0	-	0	0.0	-
MULTNOMAH	803,000	1,030	655.8	1,224	152	126.3	6,356	88	22.3	36,047
POLK	81,000	37	24.2	3,344	1	0.8	104,115	0	0.0	-
SHERMAN	1,800	1	1.0	1,836	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	13	9.6	2,717	3	3.2	8,075	0	0.0	-
UMATILLA	80,500	38	28.5	2,821	10	9.3	8,638	0	0.0	-
UNION	26,900	38	28.8	935	2	2.2	12,448	0	0.0	-
WALLOWA	7,195	8	5.0	1,427	2	2.1	3,415	0	0.0	-
WASCO	27,100	25	18.2	1,488	1	0.5	55,734	0	0.0	-
WASHINGTON	595,860	366	250.2	2,381	50	39.0	15,292	8	1.4	434,605
WHEELER	1,480	0	0.0	-	0	0.0	-	0	0.0	-
YAMHILL	106,300	53	37.3	2,848	11	10.6	10,038	0	0.0	-
STATEWIDE	4,141,100	3,217	2,248	1,842	444	373	11,100	144	38	110,224

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Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Nursing (2)

County	Population	Registered nurses			Licensed practical nurses			Certified nursing assistants		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,510	115	55.6	301	3	2.3	7,136	43	28.6	586
BENTON	91,320	1,027	569.5	163	60	36.3	2,551	373	264.7	350
CLACKAMAS	404,980	3,012	1,674.1	247	347	204.6	2,019	1,185	881.9	468
CLATSOP	38,225	370	211.4	184	20	13.3	2,925	115	85.7	453
COLUMBIA	50,795	64	25.4	2,019	29	16.4	3,128	59	49.8	1,030
COOS	63,190	743	419.9	151	65	43.7	1,448	295	215.1	294
CROOK	21,580	101	54.3	407	5	3.5	6,357	47	36.6	604
CURRY	22,600	111	54.6	418	21	11.5	1,983	36	26.8	851
DESCHUTES	176,635	2,230	1,255.3	146	118	75.9	2,411	454	343.7	532
DOUGLAS	110,395	923	508.2	219	115	76.7	1,450	331	259.5	428
GILLIAM	1,980	1	0.2	8,168	0	0.0	-	1	1.3	1,560
GRANT	7,410	50	25.4	292	2	1.2	6,397	36	25.8	287
HARNEY	7,320	48	22.9	322	2	1.5	4,884	31	20.3	362
HOOD RIVER	24,735	212	113.7	221	17	8.5	2,967	106	77.7	324
JACKSON	213,765	2,497	1,427.8	152	278	175.1	1,238	951	710.1	305
JEFFERSON	22,790	136	79.9	290	5	3.0	7,695	41	29.4	788
JOSEPHINE	84,675	622	326.7	262	109	65.6	1,305	468	358.7	239
KLAMATH	67,410	506	284.4	238	52	30.7	2,202	237	170.6	397
LAKE	8,015	69	31.9	255	6	3.5	2,316	43	31.2	260
LANE	365,940	3,641	1,985.2	187	634	380.7	974	1,812	1,293.6	286
LINCOLN	47,735	359	188.8	254	27	14.7	3,254	124	90.9	527
LINN	122,315	754	430.3	288	119	83.9	1,478	637	481.9	257
MALHEUR	31,705	283	143.5	222	22	15.4	2,064	147	99.6	320
MARION	333,950	3,577	2,000.4	170	479	320.2	1,059	1,881	1,501.9	226
MORROW	11,745	40	16.5	720	3	1.9	6,361	18	14.4	825
MULTNOMAH	790,670	13,541	7,630.4	105	964	582.2	1,379	3,550	2,631.6	305
POLK	79,730	204	85.7	946	89	55.7	1,453	189	146.3	554
SHERMAN	1,795	1	0.3	6,449	0	0.0	-	0	0.0	-
TILLAMOOK	25,920	171	92.7	282	5	3.5	7,484	42	34.0	770
UMATILLA	79,880	532	299.9	268	34	22.7	3,549	212	149.9	537
UNION	26,745	242	132.2	203	29	18.0	1,494	86	51.4	524
WALLOWA	7,140	57	28.8	250	2	1.7	4,118	17	13.6	529
WASCO	26,700	337	162.1	167	38	21.8	1,240	251	203.3	133
WASHINGTON	583,595	5,232	2,825.7	211	511	296.2	2,012	1,363	1,029.0	579
WHEELER	1,465	5	1.9	790	1	0.3	4,256	4	2.5	591
YAMHILL	104,990	695	380.3	279	96	50.5	2,105	303	222.2	478
STATEWIDE	4,076,350	42,506	23,546	176	4,309	2,643	1,567	15,491	11,584	357

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## Appendix A: Continued

### Occupational Therapy

County	Population	Occupational therapists			Occupational therapy assistants			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	6	3.9	4,279	0	0.0	-	●
BENTON	92,575	33	19.0	4,875	4	3.1	29,434	●
CLACKAMAS	413,000	189	96.1	4,296	40	23.8	17,351	
CLATSOP	38,820	18	10.4	3,748	7	4.5	8,566	
COLUMBIA	51,345	7	1.6	31,639	3	1.5	35,181	●
COOS	63,310	21	12.0	5,284	6	3.4	18,508	
CROOK	22,105	0	0.0	-	1	0.6	35,429	●
CURRY	22,805	6	2.0	11,137	3	1.0	22,443	●
DESCHUTES	182,930	108	57.0	3,207	7	6.1	29,995	●
DOUGLAS	111,180	29	19.6	5,684	10	7.9	14,127	
GILLIAM	1,995	0	0.0	-	0	0.0	-	●
GRANT	7,415	1	0.6	12,016	0	0.0	-	●
HARNEY	7,360	0	0.0	-	0	0.0	-	●
HOOD RIVER	25,145	14	9.1	2,752	1	0.6	40,539	●
JACKSON	216,900	108	65.5	3,312	23	17.6	12,305	
JEFFERSON	23,190	4	1.7	13,970	0	0.0	-	●
JOSEPHINE	85,650	29	19.2	4,465	13	9.3	9,161	
KLAMATH	67,690	17	9.6	7,067	4	3.6	18,571	
LAKE	8,120	1	1.4	5,839	0	0.0	-	●
LANE	370,600	136	74.9	4,947	53	35.3	10,492	
LINCOLN	47,960	11	8.8	5,474	0	0.0	-	●
LINN	124,010	24	12.4	9,982	19	12.8	9,662	
MALHEUR	31,845	7	4.3	7,343	10	5.8	5,485	●
MARION	339,200	157	85.6	3,963	47	30.7	11,042	
MORROW	11,890	1	1.4	8,550	0	0.0	-	●
MULTNOMAH	803,000	517	287.5	2,793	117	72.6	11,055	
POLK	81,000	7	2.2	36,983	4	2.8	29,115	●
SHERMAN	1,800	0	0.0	-	0	0.0	-	●
TILLAMOOK	26,175	4	3.1	8,366	4	2.0	12,868	
UMATILLA	80,500	10	6.6	12,120	9	6.1	13,176	
UNION	26,900	6	3.3	8,236	0	0.0	-	●
WALLOWA	7,195	1	1.4	5,174	0	0.0	-	●
WASCO	27,100	14	7.5	3,600	4	2.6	10,427	
WASHINGTON	595,860	256	139.6	4,269	48	29.2	20,400	
WHEELER	1,480	0	0.0	-	0	0.0	-	●
YAMHILL	106,300	38	18.2	5,836	10	7.8	13,688	
STATEWIDE	4,141,100	1,782	986	4,202	451	291	14,229	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.



## Appendix A: Continued

### Pharmacy

County	Population	Pharmacists			Certified pharmacy technicians			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	15	11.4	1,475	12	6.3	2,642	●
BENTON	92,575	129	68.6	1,350	122	44.3	2,089	
CLACKAMAS	413,000	384	244.0	1,693	563	249.6	1,654	
CLATSOP	38,820	35	25.1	1,548	46	29.3	1,327	
COLUMBIA	51,345	18	13.3	3,865	33	23.6	2,174	●
COOS	63,310	43	30.8	2,055	80	45.5	1,392	
CROOK	22,105	11	6.7	3,278	16	7.6	2,897	●
CURRY	22,805	14	7.7	2,956	14	7.4	3,101	●
DESCHUTES	182,930	167	93.9	1,949	201	110.7	1,653	
DOUGLAS	111,180	77	52.3	2,125	133	56.4	1,972	
GILLIAM	1,995	0	0.0	-	1	0.5	4,290	●
GRANT	7,415	5	1.6	4,562	5	2.6	2,835	●
HARNEY	7,360	8	5.7	1,300	8	4.8	1,544	
HOOD RIVER	25,145	24	13.7	1,835	22	14.7	1,712	
JACKSON	216,900	208	123.5	1,756	291	148.6	1,459	
JEFFERSON	23,190	15	8.7	2,652	15	7.3	3,183	●
JOSEPHINE	85,650	58	38.7	2,213	101	50.8	1,687	
KLAMATH	67,690	45	30.7	2,208	67	40.1	1,689	
LAKE	8,120	8	2.5	3,271	6	2.9	2,769	●
LANE	370,600	337	210.0	1,765	567	293.1	1,265	
LINCOLN	47,960	40	28.0	1,715	53	30.5	1,570	
LINN	124,010	81	55.4	2,237	151	77.4	1,603	
MALHEUR	31,845	32	18.3	1,739	49	23.1	1,378	
MARION	339,200	273	163.1	2,080	395	201.8	1,681	
MORROW	11,890	4	3.1	3,815	6	2.8	4,209	●
MULTNOMAH	803,000	1,256	674.2	1,191	1,525	585.0	1,373	
POLK	81,000	41	25.2	3,209	49	31.4	2,582	●
SHERMAN	1,800	0	0.0	-	0	0.0	-	●
TILLAMOOK	26,175	18	10.0	2,626	23	10.9	2,391	●
UMATILLA	80,500	51	32.6	2,472	71	40.3	1,999	
UNION	26,900	24	14.0	1,926	30	16.0	1,676	
WALLOWA	7,195	6	4.8	1,501	7	3.6	1,981	
WASCO	27,100	27	18.7	1,451	34	17.5	1,551	
WASHINGTON	595,860	548	320.9	1,857	897	434.2	1,372	
WHEELER	1,480	0	0.0	-	0	0.0	-	●
YAMHILL	106,300	72	46.2	2,300	92	49.1	2,164	
STATEWIDE	4,141,100	4,073	2,403	1,723	5,685	2,670	1,551	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Physical Therapy

County	Population	Physical therapists			Physical therapy assistants		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	11	8.2	2,038	8	5.2	3,229
BENTON	92,575	108	79.0	1,173	13	8.4	10,969
CLACKAMAS	413,000	325	227.3	1,817	99	67.7	6,097
CLATSOP	38,820	39	26.2	1,480	8	4.8	8,006
COLUMBIA	51,345	13	10.8	4,770	4	2.4	21,433
COOS	63,310	48	38.5	1,643	23	17.8	3,557
CROOK	22,105	8	6.1	3,598	5	3.6	6,157
CURRY	22,805	11	7.9	2,900	5	2.5	9,067
DESCHUTES	182,930	278	182.6	1,002	41	26.8	6,822
DOUGLAS	111,180	71	54.2	2,051	26	17.6	6,334
GILLIAM	1,995	0	0.0	-	0	0.0	-
GRANT	7,415	6	4.9	1,500	1	0.8	9,434
HARNEY	7,360	3	2.4	3,090	1	1.3	5,853
HOOD RIVER	25,145	39	22.5	1,119	5	2.4	10,281
JACKSON	216,900	261	183.0	1,185	62	44.3	4,892
JEFFERSON	23,190	8	7.4	3,115	4	3.0	7,724
JOSEPHINE	85,650	69	54.8	1,564	40	26.1	3,280
KLAMATH	67,690	41	32.1	2,106	14	10.3	6,546
LAKE	8,120	6	3.5	2,351	1	0.9	8,610
LANE	370,600	398	268.9	1,378	107	62.5	5,927
LINCOLN	47,960	35	25.8	1,856	4	2.7	17,905
LINN	124,010	59	40.3	3,079	23	13.8	8,980
MALHEUR	31,845	19	13.2	2,406	9	6.5	4,897
MARION	339,200	278	202.0	1,679	92	65.6	5,167
MORROW	11,890	1	1.0	11,855	0	0.0	-
MULTNOMAH	803,000	944	603.7	1,330	238	157.7	5,090
POLK	81,000	29	20.8	3,886	11	7.4	11,001
SHERMAN	1,800	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	18	15.2	1,721	5	4.3	6,095
UMATILLA	80,500	53	39.5	2,036	11	9.0	8,927
UNION	26,900	28	21.0	1,279	9	6.7	3,997
WALLOWA	7,195	6	5.6	1,290	3	2.1	3,436
WASCO	27,100	43	25.9	1,046	9	5.6	4,806
WASHINGTON	595,860	606	395.2	1,508	121	82.9	7,187
WHEELER	1,480	1	0.7	2,249	0	0.0	-
YAMHILL	106,300	93	60.4	1,761	26	18.1	5,880
STATEWIDE	4,141,100	3,954	2,691	1,539	1,026	691	5,992

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Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Psychology

County	Population	Psychologists			
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	
BAKER	16,750	1	1.1	15,924	●
BENTON	92,575	52	28.2	3,280	
CLACKAMAS	413,000	152	85.4	4,839	
CLATSOP	38,820	3	1.9	20,503	●
COLUMBIA	51,345	3	1.0	53,639	●
COOS	63,310	3	1.1	58,011	●
CROOK	22,105	0	0.0	-	●
CURRY	22,805	2	1.0	23,759	●
DESCHUTES	182,930	54	26.5	6,890	
DOUGLAS	111,180	7	3.1	35,890	●
GILLIAM	1,995	0	0.0	-	●
GRANT	7,415	0	0.0	-	●
HARNEY	7,360	0	0.0	-	●
HOOD RIVER	25,145	7	4.9	5,082	
JACKSON	216,900	61	26.8	8,097	●
JEFFERSON	23,190	1	0.8	27,557	●
JOSEPHINE	85,650	7	2.1	40,309	●
KLAMATH	67,690	3	1.4	49,500	●
LAKE	8,120	0	0.0	-	●
LANE	370,600	194	84.2	4,403	
LINCOLN	47,960	5	3.0	15,963	●
LINN	124,010	18	8.9	13,936	●
MALHEUR	31,845	1	0.5	60,548	●
MARION	339,200	132	61.2	5,539	
MORROW	11,890	0	0.0	-	●
MULTNOMAH	803,000	624	312.1	2,573	●
POLK	81,000	5	1.6	50,412	●
SHERMAN	1,800	0	0.0	-	●
TILLAMOOK	26,175	0	0.0	-	●
UMATILLA	80,500	7	4.8	16,691	●
UNION	26,900	3	0.6	46,496	●
WALLOWA	7,195	0	0.0	-	●
WASCO	27,100	2	1.6	16,462	●
WASHINGTON	595,860	226	106.1	5,617	
WHEELER	1,480	0	0.0	-	●
YAMHILL	106,300	49	20.1	5,299	
STATEWIDE	4,141,100	1,624	790	5,242	

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### *Respiratory Therapy & Polysomnography*

County	Population	Respiratory therapists			Polysomnographic technologists		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	4	2.7	6,212	1	1.0	16,130
BENTON	92,575	38	26.4	3,513	3	2.7	34,695
CLACKAMAS	413,000	104	69.4	5,947	17	10.4	39,715
CLATSOP	38,820	18	12.1	3,217	1	1.0	38,341
COLUMBIA	51,345	0	0.0	-	0	0.0	-
COOS	63,310	26	18.6	3,408	3	3.0	21,391
CROOK	22,105	5	3.4	6,459	0	0.0	-
CURRY	22,805	8	5.9	3,873	0	0.0	-
DESCHUTES	182,930	74	46.6	3,926	18	10.4	17,557
DOUGLAS	111,180	50	33.3	3,335	3	2.7	40,571
GILLIAM	1,995	0	0.0	-	0	0.0	-
GRANT	7,415	3	1.5	4,938	0	0.0	-
HARNEY	7,360	3	1.0	7,469	0	0.0	-
HOOD RIVER	25,145	8	4.8	5,213	0	0.0	-
JACKSON	216,900	128	85.8	2,528	18	11.8	18,392
JEFFERSON	23,190	3	2.2	10,453	0	0.0	-
JOSEPHINE	85,650	36	24.5	3,492	2	1.8	46,394
KLAMATH	67,690	41	25.0	2,705	3	1.4	46,932
LAKE	8,120	5	3.4	2,403	0	0.0	-
LANE	370,600	161	107.8	3,438	7	3.3	112,796
LINCOLN	47,960	19	12.3	3,897	5	2.5	18,893
LINN	124,010	30	16.7	7,432	16	10.3	11,998
MALHEUR	31,845	18	8.1	3,940	2	1.4	22,438
MARION	339,200	100	68.5	4,951	30	21.4	15,818
MORROW	11,890	0	0.0	-	0	0.0	-
MULTNOMAH	803,000	447	305.3	2,630	53	28.0	28,635
POLK	81,000	1	1.0	80,915	1	0.1	1,404,007
SHERMAN	1,800	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	10	5.4	4,865	1	1.0	25,206
UMATILLA	80,500	25	15.2	5,300	3	2.4	33,341
UNION	26,900	18	10.6	2,527	2	2.0	13,614
WALLOWA	7,195	3	1.3	5,374	0	0.0	-
WASCO	27,100	13	8.2	3,288	6	3.9	6,867
WASHINGTON	595,860	130	84.8	7,027	46	28.4	20,990
WHEELER	1,480	0	0.0	-	0	0.0	-
YAMHILL	106,300	20	13.1	8,133	7	3.3	32,568
STATEWIDE	4,141,100	1,544	1,025	4,040	253	154	26,808

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Social Work

County	Population	Licensed clinical social workers			Clinical social work associates			Non-clinical social workers		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	10	7.3	2,299	0	0.0	-	3	1.1	15,332
BENTON	92,575	83	40.9	2,264	17	10.6	8,758	3	1.1	80,943
CLACKAMAS	413,000	286	145.7	2,835	48	27.0	15,323	10	5.1	81,271
CLATSOP	38,820	24	13.7	2,832	6	4.5	8,703	0	0.0	-
COLUMBIA	51,345	18	8.8	5,821	16	8.4	6,092	0	0.0	-
COOS	63,310	27	16.1	3,935	6	4.1	15,401	3	1.5	43,126
CROOK	22,105	3	2.7	8,104	5	3.2	6,916	0	0.0	-
CURRY	22,805	3	1.8	12,443	0	0.0	-	0	0.0	-
DESCHUTES	182,930	180	90.7	2,017	25	14.7	12,433	7	2.3	77,881
DOUGLAS	111,180	57	33.2	3,348	19	12.9	8,632	3	0.7	162,828
GILLIAM	1,995	0	0.0	-	0	0.0	-	0	0.0	-
GRANT	7,415	1	0.0	-	0	0.0	-	0	0.0	-
HARNEY	7,360	6	2.7	2,776	2	0.7	10,890	0	0.0	-
HOOD RIVER	25,145	27	12.9	1,953	10	5.6	4,519	1	1.4	18,413
JACKSON	216,900	175	88.9	2,439	35	21.0	10,332	11	4.8	45,380
JEFFERSON	23,190	6	2.9	8,017	0	0.0	-	0	0.0	-
JOSEPHINE	85,650	34	17.4	4,918	8	4.8	17,835	3	1.1	79,141
KLAMATH	67,690	24	14.4	4,709	10	6.6	10,242	0	0.0	-
LAKE	8,120	1	0.8	10,584	0	0.0	-	0	0.0	-
LANE	370,600	318	152.2	2,434	86	49.2	7,529	36	7.9	46,790
LINCOLN	47,960	30	16.1	2,988	3	1.5	33,052	0	0.0	-
LINN	124,010	58	35.6	3,486	13	8.7	14,216	4	2.6	47,358
MALHEUR	31,845	13	5.7	5,626	0	0.0	-	1	0.0	-
MARION	339,200	222	113.7	2,982	62	33.9	9,999	16	6.5	52,292
MORROW	11,890	1	0.6	18,598	0	0.0	-	0	0.0	-
MULTNOMAH	803,000	1,501	708.6	1,133	361	211.1	3,803	63	17.3	46,529
POLK	81,000	27	13.9	5,843	11	7.0	11,577	3	1.8	45,626
SHERMAN	1,800	0	0.0	-	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	23	11.8	2,210	5	3.1	8,573	0	0.0	-
UMATILLA	80,500	32	14.6	5,518	6	4.5	17,888	1	0.5	157,195
UNION	26,900	24	12.7	2,114	5	3.2	8,374	0	0.0	-
WALLOWA	7,195	3	2.3	3,185	0	0.0	-	0	0.0	-
WASCO	27,100	28	10.0	2,708	6	2.9	9,402	0	0.0	-
WASHINGTON	595,860	380	188.0	3,170	65	42.0	14,172	23	8.9	66,590
WHEELER	1,480	1	0.4	4,069	0	0.0	-	0	0.0	-
YAMHILL	106,300	51	24.3	4,368	25	15.1	7,031	4	1.4	75,573
STATEWIDE	4,141,100	3,678	1,811	2,286	856	506	8,180	195	66	62,772

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

Population-to-provider ratios are based on the estimated patient care FTE in the county. Values greater than the county population are due to less than 1.0 FTE in county.

## Appendix A: Continued

### Speech-Language Pathology & Audiology

County	Population	Audiologists			Speech-language pathologists			Speech-language pathology assistants		
		Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio	Estimated Count	Est. Patient Care FTE	Pop-to-Prov Ratio
BAKER	16,750	0	0.0	-	5	3.1	5,415	1	0.6	26,045
BENTON	92,575	3	2.3	40,754	22	10.5	8,786	4	1.7	53,025
CLACKAMAS	413,000	16	13.6	30,302	147	76.1	5,430	14	8.7	47,639
CLATSOP	38,820	1	1.0	38,974	15	8.0	4,827	6	2.1	18,371
COLUMBIA	51,345	0	0.0	-	12	7.1	7,240	6	3.6	14,389
COOS	63,310	4	3.5	18,321	21	14.7	4,318	8	4.5	14,188
CROOK	22,105	0	0.0	-	3	1.9	11,748	4	3.0	7,309
CURRY	22,805	0	0.0	-	6	3.4	6,686	0	0.0	-
DESCHUTES	182,930	12	8.2	22,210	78	42.1	4,348	14	7.5	24,485
DOUGLAS	111,180	4	2.5	44,649	25	15.0	7,418	14	7.0	15,812
GILLIAM	1,995	0	0.0	-	0	0.0	-	1	0.7	3,054
GRANT	7,415	0	0.0	-	1	0.6	13,310	3	1.4	5,341
HARNEY	7,360	0	0.0	-	2	1.6	4,628	1	0.6	11,536
HOOD RIVER	25,145	1	0.5	54,978	10	4.6	5,489	1	0.8	32,842
JACKSON	216,900	8	6.6	33,010	66	40.8	5,315	16	9.3	23,293
JEFFERSON	23,190	0	0.0	-	6	3.3	7,132	4	2.1	10,882
JOSEPHINE	85,650	4	2.8	30,658	18	11.2	7,661	4	2.4	35,703
KLAMATH	67,690	4	2.9	23,451	17	10.3	6,563	4	1.5	46,008
LAKE	8,120	0	0.0	-	3	1.7	4,888	1	0.6	14,204
LANE	370,600	9	7.9	47,148	138	69.2	5,354	3	1.3	294,852
LINCOLN	47,960	0	0.0	-	11	6.1	7,807	2	0.9	54,157
LINN	124,010	4	2.6	47,848	36	21.3	5,822	10	5.9	20,963
MALHEUR	31,845	3	1.8	17,227	11	6.2	5,103	4	2.4	13,066
MARION	339,200	18	14.6	23,188	126	75.2	4,510	17	6.8	49,700
MORROW	11,890	0	0.0	-	1	0.9	12,521	0	0.0	-
MULTNOMAH	803,000	98	49.0	16,404	473	272.8	2,944	18	6.7	119,365
POLK	81,000	3	2.1	38,640	8	4.7	17,197	4	2.3	35,344
SHERMAN	1,800	0	0.0	-	0	0.0	-	0	0.0	-
TILLAMOOK	26,175	1	0.7	36,145	5	3.1	8,332	1	0.7	35,987
UMATILLA	80,500	2	1.4	57,603	19	10.6	7,610	6	3.6	22,531
UNION	26,900	2	1.1	23,422	8	3.9	6,979	0	0.0	-
WALLOWA	7,195	0	0.0	-	1	0.2	35,515	2	0.1	94,925
WASCO	27,100	0	0.0	-	14	7.1	3,832	4	1.7	16,400
WASHINGTON	595,860	37	18.2	32,755	242	137.9	4,322	6	3.6	167,369
WHEELER	1,480	0	0.0	-	0	0.0	-	0	0.0	-
YAMHILL	106,300	2	1.0	109,374	34	17.9	5,938	6	3.3	32,053
STATEWIDE	4,141,100	237	144	28,718	1,587	893	4,638	193	97	42,560

Note: Circles indicate whether county has no providers (red) or is above (yellow) or below (green) the statewide ratio by 50%.

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