



**Department of Health
2017-2018 Hospice Numeric Need Methodology
Released September 2017**

WAC 246-310-290(7)(a): Step 1. Calculate the following four statewide predicted hospice use rates using CMS and department of health data or other available data sources.

(i) The predicted percentage of cancer patients sixty-five and over who will use hospice services. This percentage is calculated by dividing the average number of hospice admissions over the last three years for patients the age of sixty-five and over with cancer by the average number of past three years statewide total deaths sixty-five and over from cancer.

(ii) The predicted percentage of cancer patients under sixty-five who will use hospice services. This percentage is calculated by dividing the average number of hospice admissions over the last three years for patients under the age of sixty-five with cancer by the current statewide total of deaths under sixty-five with cancer.

(iii) The predicted percentage of noncancer patients sixty-five and over who will use hospice services. This percentage is calculated by dividing the average number of hospice admissions over the last three years for patients age sixty-five and over with diagnoses other than cancer by the current statewide total of deaths over sixty-five with diagnoses other

(iv) The predicted percentage of noncancer patients under sixty-five who will use hospice services. This percentage is calculated by dividing the average number of hospice admissions over the last three years for patients under the age of sixty-five with diagnoses other than cancer by the current statewide total of deaths under sixty-five with diagnoses

i. Hospice admissions ages 65+ w/cancer	
2014	7,420
2015	7,485
2016	8,164
average	7,689.67

Deaths ages 65+ w/cancer	
2014	8,558
2015	9,035
2016	9,030
average	8,874.33

Hospice use rates by age and diagnosis	
65+ w/cancer	86.65%
0-64 w/cancer	71.16%
65+ w/o cancer	53.59%
0-64 w/o cancer	13.97%

Rates of cancer as cause of death	
65+	22.33%
0-64	25.49%

Hospice use rate by age	
65+	60.97%
0-64	28.55%

ii. Hospice admissions age 0-64 w/cancer	
2014	2,450
2015	2,864
2016	2,285
average	2,533.00

Deaths ages 0-64 w/cancer	
2014	3,632
2015	3,623
2016	3,424
average	3,559.67

Total Deaths			
Year	Ages 0-64	Ages 65+	All
2014	14,021	38,014	52,035
2015	14,365	40,149	54,514
2016	13,517	41,071	54,588
average	13,968	39,745	53,712

iii. Hospice admissions ages 65+ w/o cancer	
2014	16,017
2015	17,042
2016	16,572
average	16,543.50

Deaths ages 65+ w/o cancer	
2014	29,456
2015	31,114
2016	32,041
average	30,870.33

iv. Hospice admissions ages 0-64 w/o cancer	
2014	1,291
2015	1,591
2016	1,481
average	1,454.33

Deaths ages 0-64 w/o cancer	
2014	10,389
2015	10,742
2016	10,093
average	10,408.00

Sources:

Vital Statistics Q1-Q4 Raw Death Data 2014-2016
2017-2018 CON Survey for 2016 Hospice Admission Data



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WAC 246-310-290(7)(b) Step 2. Calculate the average number of total resident deaths over the last three years for each planning area.

Ages 0-64				
County	2014	2015	2016	Average
Adams	37	35	34	35.33
Asotin	47	62	50	53.00
Benton	327	372	352	350.33
Chelan	161	152	123	145.33
Clallam	189	203	172	188.00
Clark	904	881	777	854.00
Columbia	8	14	12	11.33
Cowlitz	287	280	288	285.00
Douglas	71	82	56	69.67
Ferry	28	23	20	23.67
Franklin	112	111	115	112.67
Garfield	0	4	4	2.67
Grant	189	197	190	192.00
Grays Harbor	239	238	233	236.67
Island	166	165	134	155.00
Jefferson	66	67	68	67.00
King	3,426	3,397	3,193	3,338.67
Kitsap	571	537	518	542.00
Kittitas	63	82	59	68.00
Klickitat	56	33	50	46.33
Lewis	195	236	193	208.00
Lincoln	23	20	26	23.00
Mason	155	184	163	167.33
Okanogan	122	128	110	120.00
Pacific	69	71	58	66.00
Pend Oreille	48	41	35	41.33
Pierce	1,819	1,892	1,879	1,863.33
San Juan	38	32	36	35.33
Skagit	272	279	247	266.00
Skamania	20	34	38	30.67
Snohomish	1,411	1,478	1,432	1,440.33
Spokane	1,140	1,230	1,168	1,179.33
Stevens	116	127	102	115.00
Thurston	515	581	484	526.67
Wahkiakum	12	5	9	8.67
Walla Walla	139	122	122	127.67
Whatcom	352	371	365	362.67
Whitman	60	74	42	58.67
Yakima	568	525	560	551.00

Ages 65+				
County	2014	2015	2016	Average
Adams	96	102	92	96.67
Asotin	187	212	192	197.00
Benton	982	1,103	1,075	1,053.33
Chelan	564	543	535	547.33
Clallam	762	754	760	758.67
Clark	2,373	2,553	2,579	2,501.67
Columbia	45	48	48	47.00
Cowlitz	825	864	863	850.67
Douglas	242	230	227	233.00
Ferry	52	54	63	56.33
Franklin	249	257	242	249.33
Garfield	12	28	20	20.00
Grant	452	488	479	473.00
Grays Harbor	580	555	606	580.33
Island	509	597	565	557.00
Jefferson	273	313	292	292.67
King	9,215	9,308	9,762	9,428.33
Kitsap	1,573	1,610	1,704	1,629.00
Kittitas	199	223	243	221.67
Klickitat	128	119	144	130.33
Lewis	606	667	674	649.00
Lincoln	81	78	102	87.00
Mason	470	499	494	487.67
Okanogan	301	340	303	314.67
Pacific	246	258	221	241.67
Pend Oreille	92	101	120	104.33
Pierce	4,323	4,550	4,749	4,540.67
San Juan	109	118	125	117.33
Skagit	858	909	979	915.33
Skamania	58	53	64	58.33
Snohomish	3,546	3,833	3,854	3,744.33
Spokane	3,013	3,361	3,352	3,242.00
Stevens	343	359	337	346.33
Thurston	1,529	1,651	1,661	1,613.67
Wahkiakum	34	39	38	37.00
Walla Walla	441	468	485	464.67
Whatcom	1,139	1,262	1,353	1,251.33
Whitman	209	223	212	214.67
Yakima	1,298	1,419	1,457	1,391.33



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WAC 246-310-290(7)(c) Step 3. Multiply each hospice use rate determined in Step 1 by the planning areas average total resident deaths determined in Step 2.

County	Ages 0-64		
	2014-2016 Average Deaths	Cancer Projected	No Cancer Projected
Adams	35.33	6	4
Asotin	53.00	10	6
Benton	350.33	64	36
Chelan	145.33	26	15
Clallam	188.00	34	20
Clark	854.00	155	89
Columbia	11.33	2	1
Cowlitz	285.00	52	30
Douglas	69.67	13	7
Ferry	23.67	4	2
Franklin	112.67	20	12
Garfield	2.67	0	0
Grant	192.00	35	20
Grays Harbor	236.67	43	25
Island	155.00	28	16
Jefferson	67.00	12	7
King	3,338.67	605	348
Kitsap	542.00	98	56
Kittitas	68.00	12	7
Klickitat	46.33	8	5
Lewis	208.00	38	22
Lincoln	23.00	4	2
Mason	167.33	30	17
Okanogan	120.00	22	12
Pacific	66.00	12	7
Pend Oreille	41.33	7	4
Pierce	1,863.33	338	194
San Juan	35.33	6	4
Skagit	266.00	48	28
Skamania	30.67	6	3
Snohomish	1,440.33	261	150
Spokane	1,179.33	214	123
Stevens	115.00	21	12
Thurston	526.67	96	55
Wahkiakum	8.67	2	1
Walla Walla	127.67	23	13
Whatcom	362.67	66	38
Whitman	58.67	11	6
Yakima	551.00	100	57

County	Ages 65+		
	2014-2016 Average Deaths	Cancer Projected	No Cancer Projected
Adams	96.67	19	40
Asotin	197.00	38	82
Benton	1,053.33	204	438
Chelan	547.33	106	228
Clallam	758.67	147	316
Clark	2,501.67	484	1,041
Columbia	47.00	9	20
Cowlitz	850.67	165	354
Douglas	233.00	45	97
Ferry	56.33	11	23
Franklin	249.33	48	104
Garfield	20.00	4	8
Grant	473.00	92	197
Grays Harbor	580.33	112	242
Island	557.00	108	232
Jefferson	292.67	57	122
King	9,428.33	1,824	3,924
Kitsap	1,629.00	315	678
Kittitas	221.67	43	92
Klickitat	130.33	25	54
Lewis	649.00	126	270
Lincoln	87.00	17	36
Mason	487.67	94	203
Okanogan	314.67	61	131
Pacific	241.67	47	101
Pend Oreille	104.33	20	43
Pierce	4,540.67	879	1,890
San Juan	117.33	23	49
Skagit	915.33	177	381
Skamania	58.33	11	24
Snohomish	3,744.33	724	1,559
Spokane	3,242.00	627	1,349
Stevens	346.33	67	144
Thurston	1,613.67	312	672
Wahkiakum	37.00	7	15
Walla Walla	464.67	90	193
Whatcom	1,251.33	242	521
Whitman	214.67	42	89
Yakima	1,391.33	269	579



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WAC 246-310-290(7)(d) Step 4. Add the four subtotals derived in Step 3 to project the potential volume of hospice services in each planning area.

County	Average Deaths	Ages 0-64 w/Cancer Projected	Ages 0-64 w/o Cancer Projected	Ages 65+ w/Cancer Projected	Ages 65+ w/o Cancer Projected	Total Projected Patients
Adams	132.00	6	4	19	40	69
Asotin	250.00	10	6	38	82	135
Benton	1,403.67	64	36	204	438	742
Chelan	692.67	26	15	106	228	375
Clallam	946.67	34	20	147	316	516
Clark	3,355.67	155	89	484	1,041	1,769
Columbia	58.33	2	1	9	20	32
Cowlitz	1,135.67	52	30	165	354	600
Douglas	302.67	13	7	45	97	162
Ferry	80.00	4	2	11	23	41
Franklin	362.00	20	12	48	104	184
Garfield	22.67	0	0	4	8	13
Grant	665.00	35	20	92	197	343
Grays Harbor	817.00	43	25	112	242	421
Island	712.00	28	16	108	232	384
Jefferson	359.67	12	7	57	122	198
King	12,767.00	605	348	1,824	3,924	6,702
Kitsap	2,171.00	98	56	315	678	1,148
Kittitas	289.67	12	7	43	92	155
Klickitat	176.67	8	5	25	54	93
Lewis	857.00	38	22	126	270	455
Lincoln	110.00	4	2	17	36	60
Mason	655.00	30	17	94	203	345
Okanogan	434.67	22	12	61	131	226
Pacific	307.67	12	7	47	101	166
Pend Oreille	145.67	7	4	20	43	75
Pierce	6,404.00	338	194	879	1,890	3,300
San Juan	152.67	6	4	23	49	82
Skagit	1,181.33	48	28	177	381	634
Skamania	89.00	6	3	11	24	44
Snohomish	5,184.67	261	150	724	1,559	2,694
Spokane	4,421.33	214	123	627	1,349	2,313
Stevens	461.33	21	12	67	144	244
Thurston	2,140.33	96	55	312	672	1,134
Wahkiakum	45.67	2	1	7	15	25
Walla Walla	592.33	23	13	90	193	320
Whatcom	1,614.00	66	38	242	521	866
Whitman	273.33	11	6	42	89	148
Yakima	1,942.33	100	57	269	579	1,006



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WAC 246-310-290(7)(e) Step 5. Inflate the potential volume of hospice service by the one-year estimated population growth (using OFM data).

County	Projected Patients	2014-2016						2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
		Average Population	2017	2018	2019	2020	2021	Potential volume	Potential volume	Potential volume	Potential volume	Potential volume	Potential volume	Potential volume	Potential volume	Potential volume	Potential volume
Adams	69	20,247	20,810	21,087	21,363	21,640	21,905	71	72	73	74	74	75				
Asotin	135	21,819	21,904	21,947	21,990	22,033	22,066	136	136	136	137	137	137				
Benton	742	185,097	190,052	192,636	195,221	197,806	200,405	762	772	783	793	804	804				
Chelan	375	75,225	76,542	77,224	77,905	78,586	79,246	382	385	389	392	395	395				
Clallam	516	71,954	72,567	72,917	73,266	73,616	73,897	521	523	526	528	530	530				
Clark	1,769	447,791	459,474	465,611	471,747	477,884	483,932	1,815	1,840	1,864	1,888	1,912	1,912				
Columbia	32	4,047	4,033	4,027	4,020	4,013	4,004	32	32	32	32	32	32				
Cowlitz	600	105,179	106,513	107,205	107,896	108,588	109,212	608	612	616	619	623	623				
Douglas	162	40,659	41,809	42,413	43,016	43,619	44,228	167	169	171	174	176	176				
Ferry	41	7,620	7,654	7,671	7,689	7,706	7,715	41	41	41	42	42	42				
Franklin	184	87,994	93,023	95,658	98,292	100,926	103,769	195	200	206	211	217	217				
Garfield	13	2,239	2,231	2,227	2,224	2,220	2,218	13	13	13	13	13	13				
Grant	343	95,926	99,124	100,776	102,427	104,078	105,767	355	361	366	372	378	378				
Grays Harbor	421	73,579	73,908	74,075	74,241	74,408	74,632	423	424	425	426	427	427				
Island	384	80,375	81,296	81,776	82,255	82,735	83,203	388	391	393	395	397	397				
Jefferson	198	30,532	31,088	31,398	31,707	32,017	32,349	201	203	205	207	209	209				
King	6,702	2,013,749	2,051,195	2,070,401	2,089,608	2,108,814	2,126,292	6,826	6,890	6,954	7,018	7,076	7,076				
Kitsap	1,148	262,206	267,438	270,140	272,843	275,546	278,290	1,171	1,183	1,195	1,206	1,218	1,218				
Kittitas	155	42,658	43,657	44,190	44,722	45,255	45,794	158	160	162	164	166	166				
Klickitat	93	20,609	20,741	20,808	20,876	20,943	20,999	93	94	94	94	94	94				
Lewis	455	77,661	78,727	79,279	79,832	80,385	80,893	461	465	468	471	474	474				
Lincoln	60	10,619	10,652	10,671	10,689	10,707	10,726	60	60	60	60	60	60				
Mason	345	63,326	64,940	65,808	66,677	67,545	68,422	354	359	363	368	373	373				
Okanogan	226	42,218	42,603	42,790	42,976	43,163	43,326	228	229	230	231	232	232				
Pacific	166	20,873	20,912	20,938	20,964	20,990	21,044	167	167	167	167	168	168				
Pend Oreille	75	13,297	13,450	13,531	13,611	13,692	13,749	76	77	77	78	78	78				
Pierce	3,300	832,471	849,792	858,717	867,641	876,565	886,034	3,369	3,405	3,440	3,475	3,513	3,513				
San Juan	82	15,921	16,047	16,116	16,186	16,256	16,326	82	83	83	83	84	84				
Skagit	634	121,751	124,274	125,599	126,924	128,249	129,881	647	654	661	668	676	676				
Skamania	44	11,285	11,388	11,442	11,495	11,548	11,641	45	45	45	45	46	46				
Snohomish	2,694	751,534	772,221	783,152	794,084	805,015	815,600	2,768	2,808	2,847	2,886	2,924	2,924				
Spokane	2,313	489,901	499,259	504,142	509,026	513,910	518,614	2,358	2,381	2,404	2,427	2,449	2,449				
Stevens	244	44,277	44,642	44,832	45,022	45,212	45,459	246	247	248	249	251	251				
Thurston	1,134	266,763	275,040	279,449	283,857	288,265	292,198	1,169	1,188	1,207	1,226	1,242	1,242				
Wahkiakum	25	3,931	3,909	3,899	3,888	3,877	3,868	25	25	25	25	25	25				
Walla Walla	320	60,044	60,683	61,017	61,351	61,685	62,022	323	325	327	329	330	330				
Whatcom	866	210,473	216,153	219,204	222,256	225,307	228,473	890	902	915	928	941	941				
Whitman	148	46,161	46,814	47,151	47,489	47,826	48,130	150	151	152	153	154	154				
Yakima	1,006	256,334	261,543	264,145	266,746	269,347	271,889	1,026	1,036	1,046	1,057	1,067	1,067				

Sources:

OFM Medium Series Projections - 5-year
 Converted to 1-year for CON Hospice Projections



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WAC 246-310-290(7)(f) Step 6. Subtract the current hospice capacity in each planning area from the above projected volume of hospice services to determine unmet need.
WAC 246-310-290(7)(g) Determine the number of hospice agencies in the proposed planning area which could support the unmet need with an ADC of thirty-five.

County	2017 Potential Volume	2018 Potential Volume	2019 Potential Volume	2020 Potential Volume	2021 Potential Volume	Current Capacity	2016 Unmet Need admits	2017 Unmet Need admits	2018 Unmet Need admits	2019 Unmet Need admits	2020 Unmet Need admits	Statewide ALOS	2016 Unmet Need Patient Days	2017 Unmet Need Patient Days	2018 Unmet Need Patient Days	2019 Unmet Need Patient Days	2020 Unmet Need Patient Days	2016 Unmet Need ADC	2017 Unmet Need ADC	2018 Unmet Need ADC	2019 Unmet Need ADC	2020 Unmet Need ADC	Need for Additional Agency?	# of Additional Agencies Needed
Adams	71	72	73	74	75	39.33	32	33	33	34	35	60	1,897	1,953	2,010	2,066	2,121	5	5	6	6	5	FALSE	FALSE
Asotin	136	136	136	137	137	61.00	75	75	75	76	76	60	4,486	4,502	4,518	4,534	4,546	12	12	12	12	12	FALSE	FALSE
Benton	762	772	783	793	804	834.67	-73	-62	-52	-41	-31	60	-4,353	-3,731	-3,109	-2,487	-1,862	-12	-10	-9	-7	-5	FALSE	FALSE
Chelan	382	385	389	392	395	388.00	-6	-3	1	4	7	60	-373	-169	34	238	436	-1	0	0	1	1	FALSE	FALSE
Clallam	521	523	526	528	530	137.00	384	386	389	391	393	60	23,019	23,169	23,320	23,470	23,591	63	63	64	64	64	TRUE	1.83
Clark	1,815	1,840	1,864	1,888	1,912	1,840.00	-25	0	24	48	72	60	-1,484	-29	1,425	2,880	4,314	-4	0	4	8	11	FALSE	FALSE
Columbia	32	32	32	32	32	18.00	14	14	14	14	14	60	827	824	821	818	813	2	2	2	2	2	FALSE	FALSE
Cowlitz	608	612	616	619	623	729.00	-121	-117	-113	-110	-106	60	-7,282	-7,045	-6,808	-6,572	-6,358	-20	-19	-19	-18	-17	FALSE	FALSE
Douglas	167	169	171	174	176	146.67	20	22	25	27	29	60	1,192	1,336	1,480	1,625	1,770	3	4	4	4	4	FALSE	FALSE
Ferry	41	41	41	42	42	20.33	21	21	21	21	21	60	1,257	1,263	1,268	1,274	1,277	3	3	3	3	3	FALSE	FALSE
Franklin	195	200	206	211	217	144.33	50	56	61	67	73	60	3,023	3,354	3,685	4,015	4,372	8	9	10	11	11	FALSE	FALSE
Garfield	13	13	13	13	13	4.67	8	8	8	8	8	60	495	493	492	491	490	1	1	1	1	1	FALSE	FALSE
Grant	355	361	366	372	378	218.00	137	143	148	154	160	60	8,199	8,554	8,908	9,263	9,625	22	23	24	25	26	FALSE	FALSE
Grays Harbor	423	424	425	426	427	224.67	199	200	201	201	203	60	11,917	11,975	12,032	12,089	12,166	33	33	33	33	33	FALSE	FALSE
Island	388	391	393	395	397	366.25	22	24	27	29	31	60	1,321	1,458	1,596	1,733	1,867	4	4	4	5	5	FALSE	FALSE
Jefferson	201	203	205	207	209	153.00	48	50	52	54	56	60	2,890	3,010	3,130	3,251	3,380	8	8	9	9	9	FALSE	FALSE
King	6,826	6,890	6,954	7,018	7,076	7,688.44	-862	-798	-734	-670	-612	60	-51,725	-47,890	-44,055	-40,220	-36,730	-142	-131	-121	-110	-100	FALSE	FALSE
Kitsap	1,171	1,183	1,195	1,206	1,218	1,057.00	114	126	138	149	161	60	6,832	7,542	8,252	8,962	9,682	19	21	23	25	26	FALSE	FALSE
Kittitas	158	160	162	164	166	107.00	51	53	55	57	59	60	3,071	3,187	3,303	3,419	3,536	8	9	9	9	9	FALSE	FALSE
Klickitat	93	94	94	94	94	89.17	4	4	5	5	5	60	247	265	283	302	317	1	1	1	1	0	FALSE	FALSE
Lewis	461	465	468	471	474	406.67	55	58	61	64	67	60	3,280	3,474	3,669	3,863	4,042	9	10	10	11	11	FALSE	FALSE
Lincoln	60	60	60	60	60	17.00	43	43	43	43	43	60	2,568	2,574	2,580	2,586	2,593	7	7	7	7	7	FALSE	FALSE
Mason	354	359	363	368	373	236.00	118	123	127	132	137	60	7,074	7,358	7,642	7,926	8,213	19	20	21	22	22	FALSE	FALSE
Okanogan	228	229	230	231	232	194.33	34	35	36	37	38	60	2,031	2,091	2,151	2,211	2,263	6	6	6	6	6	FALSE	FALSE
Pacific	167	167	167	167	168	79.00	88	88	88	88	89	60	5,250	5,263	5,275	5,287	5,313	14	14	14	14	14	FALSE	FALSE
Pend Oreille	76	77	77	78	78	51.67	25	25	26	26	26	60	1,477	1,504	1,532	1,559	1,579	4	4	4	4	4	FALSE	FALSE
Pierce	3,369	3,405	3,440	3,475	3,513	3,818.00	-449	-413	-378	-343	-305	60	-26,932	-24,809	-22,686	-20,563	-18,310	-74	-68	-62	-56	-50	FALSE	FALSE
San Juan	82	83	83	83	84	70.00	12	13	13	13	14	60	736	758	779	801	822	2	2	2	2	2	FALSE	FALSE
Skagit	647	654	661	668	676	606.00	41	48	55	62	70	60	2,470	2,884	3,298	3,712	4,222	7	8	9	10	11	FALSE	FALSE
Skamania	45	45	45	45	46	44.33	0	1	1	1	1	60	24	36	49	61	83	0	0	0	0	0	FALSE	FALSE
Snohomish	2,768	2,808	2,847	2,886	2,924	2,660.67	108	147	186	225	263	60	6,460	8,811	11,162	13,514	15,790	18	24	31	37	43	TRUE	1.23
Spokane	2,358	2,381	2,404	2,427	2,449	2,486.00	-128	-105	-82	-59	-37	60	-7,706	-6,322	-4,939	-3,555	-2,222	-21	-17	-14	-10	-6	FALSE	FALSE
Stevens	246	247	248	249	251	133.67	112	113	114	115	117	60	6,741	6,803	6,866	6,929	7,011	18	19	19	19	19	FALSE	FALSE
Thurston	1,169	1,188	1,207	1,226	1,242	1,000.67	169	188	206	225	242	60	10,126	11,250	12,375	13,499	14,503	28	31	34	37	39	TRUE	1.11
Wahkiakum	25	25	25	25	25	10.00	15	15	15	15	15	60	894	890	886	882	878	2	2	2	2	2	FALSE	FALSE
Walla Walla	323	325	327	329	330	302.33	21	23	24	26	28	60	1,250	1,357	1,463	1,570	1,678	3	4	4	4	4	FALSE	FALSE
Whatcom	890	902	915	928	941	844.00	46	58	71	84	97	60	2,753	3,506	4,260	5,014	5,796	8	10	12	14	15	FALSE	FALSE
Whitman	150	151	152	153	154	190.67	-41	-40	-39	-38	-37	60	-2,457	-2,392	-2,327	-2,262	-2,204	-7	-7	-6	-6	-6	FALSE	FALSE
Yakima	1,026	1,036	1,046	1,057	1,067	1,048.33	-22	-12	-2	8	18	60	-1,337	-724	-112	500	1,099	-4	-2	0	1	3	FALSE	FALSE



**Department of Health
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County	Agency Name (Historical Name)	DOH Credential Number	2014				2015				2016				NOTES
			Ages 0-64		Ages 65+		Ages 0-64		Ages 65+		Ages 0-64		Ages 65+		
			Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	
Adams	Assured Home Health and Hospice (Central Basin/Assured Hospice)	IHS.FS.60092413	7	0	15	29	7	1	8	20	6	0	6	19	
Grant	Assured Home Health and Hospice (Central Basin/Assured Hospice)	IHS.FS.60092413	30	18	74	111	22	8	80	78	29	13	60	116	
Lincoln	Assured Home Health and Hospice (Central Basin/Assured Hospice)	IHS.FS.60092413	6	0	5	8	1	1	7	1	4	0	10	6	
Clallam	Assured Home Health, Hospice & Home Care	IHS.FS.00000229	16	8	53	102	9	4	36	67	3	3	41	69	
Jefferson	Assured Home Health, Hospice & Home Care	IHS.FS.00000229	1	0	0	3	1	0	2	1	1	0	1	5	
Lewis	Assured Home Health, Hospice & Home Care	IHS.FS.00000229	14	6	74	137	12	18	61	148	12	13	60	169	
Mason	Assured Home Health, Hospice & Home Care	IHS.FS.00000229	4	1	23	52	6	4	25	30	1	2	21	31	
Thurston	Assured Home Health, Hospice & Home Care	IHS.FS.00000229	19	11	66	139	16	11	60	158	16	14	87	153	
Chelan	Central Washington Hospital Home Care Services	IHS.FS.00000250	28	19	88	277	28	21	88	275	25	10	75	230	
Douglas	Central Washington Hospital Home Care Services	IHS.FS.00000250	5	4	30	113	12	7	52	86	12	7	27	70	
Clark	Community Home Health and Hospice CHHH Community Home Care Hospice	IHS.FS.00000262	26	24	53	139	25	55	85	270	43	35	313	51	
Cowlitz	Community Home Health and Hospice CHHH Community Home Care Hospice	IHS.FS.00000262	59	52	153	384	45	59	126	472	40	58	141	442	
Wahkiakum	Community Home Health and Hospice CHHH Community Home Care Hospice	IHS.FS.00000262	4	0	11	1	0	1	5	3	0	0	4	1	
Asotin	Elite Home Health and Hospice	IHS.FS.60384078	4	2	24	25	8	4	24	35	7	3	25	22	
Garfield	Elite Home Health and Hospice	IHS.FS.60384078	0	0	2	2	0	0	5	2	0	0	2	1	
Island	Evergreen Health Home Care Services	IHS.FS.00000278	0	0	0	1	0	0	0	1	0	0	2	5	
King	Evergreen Health Home Care Services	IHS.FS.00000278	223	85	608	1,570	219	72	580	1,542	215	77	636	1,591	
Snohomish	Evergreen Health Home Care Services	IHS.FS.00000278	36	36	122	450	71	21	153	477	64	21	166	561	
King	Franciscan Hospice	IHS.FS.00000287	29	15	324	614	172	43	361	700	36	70	385	755	
Kitsap	Franciscan Hospice	IHS.FS.00000287	10	6	136	237	61	30	133	299	15	30	164	322	
Pierce	Franciscan Hospice	IHS.FS.00000287	47	23	774	1,501	309	133	693	1,541	78	154	845	1,654	
Douglas	Frontier Home Health and Hospice (Okanogan Regional)	IHS.FS.60379608	0	1	2	0	0	0	3	4	0	0	2	3	
Grant	Frontier Home Health and Hospice (Okanogan Regional)	IHS.FS.60379608	0	0	2	4	1	0	1	4	0	0	0	3	
Okanogan	Frontier Home Health and Hospice (Okanogan Regional)	IHS.FS.60379608	31	8	74	65	17	21	80	119	22	13	43	90	
Spokane	Kindred Hospice (Gentiva Hospice)	IHS.FS.60308060	8	13	21	160	4	19	25	166	15	9	26	180	
Whitman	Kindred Hospice (Gentiva Hospice)	IHS.FS.60308060	11	9	45	102	0	0	58	128	0	9	26	180	
King	Gentiva Hospice (Odyssey Hospice)	IHS.FS.60330209	2	60	2	173	13	6	80	158	13	11	53	293	
King	Group Health Home Health and Hospice	IHS.FS.00000305	76	29	260	591	36	50	204	1,039	33	5	164	403	
Kitsap	Group Health Home Health and Hospice	IHS.FS.00000305	23	1	32	90	7	15	33	153	14	9	35	84	
Pierce	Group Health Home Health and Hospice	IHS.FS.00000305	31	11	102	150	73	61	104	340	31	8	84	145	
Snohomish	Group Health Home Health and Hospice	IHS.FS.00000305	13	0	41	82	8	50	42	222	4	2	27	83	
Grays Harbor	Harbors Home Health and Hospice	IHS.FS.00000306	33	11	88	65	10	19	47	71	30	36	99	165	followed up to confirm growth
Pacific	Harbors Home Health and Hospice	IHS.FS.00000306	11	1	26	31	6	7	16	25	5	10	31	68	followed up to confirm growth
Skamania	Heart of Hospice	IHS.FS.00000185	3	1	12	13	5	4	7	12	3	6	6	7	
Klickitat	Heart of Hospice	IHS.FS.00000185	2	1	11	10	1	0	9	7	2	1	6	19	
Benton	Heartlinks Hospice and Palliative Care (Lower Valley Hospice)	IHS.FS.00000369	7	4	23	118	3	2	20	155	3	1	9	98	
Yakima	Heartlinks Hospice and Palliative Care (Lower Valley Hospice)	IHS.FS.00000369	14	10	69	103	9	12	84	144	5	7	37	128	
Island	Home Health Care of Whidbey General Hospital (Whidbey General) ¹	IHS.FS.00000323	2	0	16	19	16	4	58	104	9	2	37	62	sent several follow-up emails, no response. Average of 2014 and 2015 used for 2016
Clark	Homecare and Hospice Southwest (Hospice SW)	IHS.FS.60331226	151	87	342	796	48	77	134	317	108	60	303	673	
Cowlitz	Homecare and Hospice Southwest (Hospice SW)	IHS.FS.60331226	3	1	9	12	1	13	3	29	3	3	13	26	
Skamania	Homecare and Hospice Southwest (Hospice SW)	IHS.FS.60331226	0	0	0	0	0	0	0	0	1	0	1	4	
Spokane	Horizon Hospice	IHS.FS.00000332	18	11	45	229	25	11	75	256	15	13	70	280	
Kitsap	Hospice of Kitsap County	IHS.FS.00000335	66	23	157	192									
Ferry	Hospice of Spokane	IHS.FS.00000337	3	3	9	8	2	0	7	8	2	1	8	10	
Lincoln	Hospice of Spokane	IHS.FS.00000337	0	0	0	0	0	0	0	1	0	0	0	1	
Pend Oreille	Hospice of Spokane	IHS.FS.00000337	5	3	18	18	7	5	13	19	7	4	24	32	
Spokane	Hospice of Spokane	IHS.FS.00000337	237	89	544	955	221	106	572	1,105	202	113	585	1,035	



**Department of Health
2017-2018 Numeric Need Methodology
Survey Responses**

County	Agency Name (Historical Name)	DOH Credential Number	2014				2015				2016				NOTES
			Ages 0-64		Ages 65+		Ages 0-64		Ages 65+		Ages 0-64		Ages 65+		
			Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	Cancer	No Cancer	
Stevens	Hospice of Spokane	IHS.FS.00000337	14	4	58	63	18	6	50	55	11	2	62	58	
Whitman	Hospice of Spokane	IHS.FS.00000337	0	0	0	0	0	2	1	0	0	0	1	0	
Island	Hospice of the Northwest (Skagit Hospice Service)	IHS.FS.00000437	22	6	61	113	8	4	29	56	9	4	25	36	
San Juan	Hospice of the Northwest (Skagit Hospice Service)	IHS.FS.00000437	8	5	15	29	4	1	23	44	9	2	23	47	
Skagit	Hospice of the Northwest (Skagit Hospice Service)	IHS.FS.00000437	61	22	172	354	53	24	124	355	46	16	162	429	
Snohomish	Hospice of the Northwest (Skagit Hospice Service)	IHS.FS.00000437	4	1	19	37	6	1	23	53	6	1	26	70	
Jefferson	Jefferson Healthcare Home Health and Hospice (Hospice of Jefferson County)	IHS.FS.00000349	14	3	46	69	10	5	63	106	13	1	53	61	
Clark	Kaiser Permanente Continuing Care Services	IHS.FS.00000353	37	10	122	270	31	21	80	273	43	21	77	320	
Cowlitz	Kaiser Permanente Continuing Care Services	IHS.FS.00000353	0	0	2	7	0	1	2	4	0	1	7	16	
Skamania	Kaiser Permanente Continuing Care Services	IHS.FS.00000353	0	0	0	0	0	0	2	0	0	0	0	0	
Kittitas	Kittitas Valley Home Health and Hospice	IHS.FS.00000320	8	1	34	53	11	4	48	63	15	5	31	48	
Klickitat	Klickitat Valley Home Health & Hospice (Klickitat Valley Health)	IHS.FS.00000361	4	0	13	12	3	1	19	17	4	1	16	15	sent several follow-up emails, no response. Average of 2014 and 2015 used for 2016
King	Kline Galland Community Based Services	IHS.FS.60103742	14	6	100	236	14	6	59	214	14	6	80	225	sent several follow-up emails, no response. Average of 2014 and 2015 used for 2016
Yakima	Memorial Home Care Services	IHS.FS.00000376	54	56	147	369	75	69	185	413	78	83	207	477	
King	Multicare Good Samaritan Hospice (Good Samaritan)	IHS.FS.60223505	13	12	53	65	11	11	52	51	12	12	53	58	sent several follow-up emails, no response. Average of 2014 and 2015 used for 2016
Kitsap	Multicare Good Samaritan Hospice (Good Samaritan)	IHS.FS.60223505					55	9	131	202	55	9	131	202	sent several follow-up emails, no response. Average of 2014 and 2015 used for 2016
Pierce	Multicare Good Samaritan Hospice (Good Samaritan)	IHS.FS.60223505	104	88	278	435	123	48	290	342	114	68	284	389	sent several follow-up emails, no response. Average of 2014 and 2015 used for 2016
Klickitat	Providence Hospice (Hospice of the Gorge)	IHS.FS.60201476	4	2	9	19	3	1	7	12	2	20	14	2	
Skamania	Providence Hospice (Hospice of the Gorge)	IHS.FS.60201476	2	0	4	6	2	0	3	8	3	1	5	12	
Island	Providence Hospice and Home Care of Snohomish County	IHS.FS.00000418	4	1	9	12	1	0	6	9	6	2	14	14	
King	Providence Hospice and Home Care of Snohomish County	IHS.FS.00000418	0	0	2	1	1	1	0	1	0	0	0	0	
Snohomish	Providence Hospice and Home Care of Snohomish County	IHS.FS.00000418	177	83	388	1,007	201	88	433	1,008	179	86	402	886	
King	Providence Hospice of Seattle	IHS.FS.00000336	290	125	551	1,183	339	131	653	1,094	310	92	614	1,200	
Snohomish	Providence Hospice of Seattle	IHS.FS.00000336	0	0	1	2	4	0	18	10	2	1	3	4	
Lewis	Providence SoundHomeCare and Hospice	IHS.FS.00000420	19	9	45	66	32	14	55	79	14	14	47	102	
Mason	Providence SoundHomeCare and Hospice	IHS.FS.00000420	20	12	52	85	26	11	53	95	12	3	47	92	
Thurston	Providence SoundHomeCare and Hospice	IHS.FS.00000420	77	36	170	424	104	30	174	495	67	35	204	436	
Benton	Tri-Cities Chaplaincy	IHS.FS.00000456	61	35	150	383	70	33	193	390	62	40	221	423	
Franklin	Tri-Cities Chaplaincy	IHS.FS.00000456	12	7	29	76	13	13	34	123	9	7	35	75	
Columbia	Walla Walla Community Hospice	IHS.FS.60480441	0	0	7	7	2	1	8	10	0	0	8	11	
Walla Walla	Walla Walla Community Hospice	IHS.FS.60480441	25	13	99	140	27	12	104	169	26	19	87	186	
King	Wesley Homes ²	IHS.FS.60276500					0	0	0	0	0	0	0	0	
Whatcom	Whatcom Hospice (Peacehealth)	IHS.FS.00000471	76	48	190	547	72	57	279	429	29	93	450	262	
Yakima	Yakima Regional Home Health and Hospice	IHS.FS.60097245	8	19	9	66	8	11	27	68	2	4	16	72	

¹ Home Health Care of Whidbey General Hospital. Operational since August 2014. Did not report for 2015. Used 213 admits, assuming 35 ADC at statewide ALOS for first three years of operation

² Wesley Homes Community Health Services. Approved June 2015. Began operation in 2017. Used 213 admits, assuming 35 ADC at statewide ALOS for first three years of operation

12,775 = 35 ADC * 365 days per year for default patient days

213 = patient days divided by WA ALOS (60) for default admits for new agencies



Department of Health
2017-2018 Hospice Numeric Need Methodology
Average Capacity by County

Row Labels	Sum of 2014 Total	Sum of 2015 Total	Sum of 2016 Total	Average Capacity
Adams	51	36	31	39
Asotin	55	71	57	61
Benton	781	866	857	835
Chelan	412	412	340	388
Clallam	179	116	116	137
Clark	2,057	1,416	2,047	1,840
Columbia	14	21	19	18
Cowlitz	682	755	750	729
Douglas	155	164	121	147
Ferry	23	17	21	20
Franklin	124	183	126	144
Garfield	4	7	3	5
Grant	239	194	221	218
Grays Harbor	197	147	330	225
Island	442	327	330	366
Jefferson	136	188	135	153
King	7,312	8,126	7,627	7,688
Kitsap	973	1,128	1,070	1,057
Kittitas	96	126	99	107
Klickitat	87	80	101	89
Lewis	370	419	431	407
Lincoln	19	11	21	17
Mason	249	250	209	236
Okanogan	178	237	168	194
Pacific	69	54	114	79
Pend Oreille	44	44	67	52
Pierce	3,544	4,057	3,853	3,818
San Juan	57	72	81	70
Skagit	609	556	653	606
Skamania	41	43	49	44
Snohomish	2,499	2,889	2,594	2,661
Spokane	2,330	2,585	2,543	2,486
Stevens	139	129	133	134
Thurston	942	1,048	1,012	1,001
Wahkiakum	16	9	5	10
Walla Walla	277	312	318	302
Whatcom	861	837	834	844
Whitman	167	189	216	191
Yakima	924	1,105	1,116	1,048
Grand Total	27,354	29,226	28,818	28,466

Source:

CON Surveys for Hospice Admission Data - 2014-2016

Prepared by Beth Harlow September 2017