

Washington State Department of Health  
Acute Care Bed Numeric Need Methodology

Published December 21, 2023



HSA's Defined: 1987 State Health Plan

HSA #1: Clallam, Island, Jefferson, King, Kitsap, Pierce, San Juan, Skagit, Snohomish, Whatcom  
HSA #2: Clark, Cowlitz, Grays Harbor, Klickitat, Lewis, Mason, Pacific, Skamania, Thurston, Wahkiakum  
HSA #3: Benton, Chelan, Douglas, Franklin, Grant, Kittitas, Okanogan, Yakima  
HSA #4: Adams, Asotin, Columbia, Ferry, Garfield, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman

Column1	HSA
Adams County	HSA#4
Asotin County	HSA#4
Benton County	HSA#3
Chelan County	HSA#3
Clallam County	HSA#1
Clark County	HSA#2
Columbia County	HSA#4
Cowlitz County	HSA#2
Douglas County	HSA#3
Ferry County	HSA#4
Franklin County	HSA#3
Garfield County	HSA#4
Grant County	HSA#3
Grays Harbor County	HSA#2
Island County	HSA#1
Jefferson County	HSA#1
King County	HSA#1
Kitsap County	HSA#1
Kittitas County	HSA#3
Klickitat County	HSA#2
Lewis County	HSA#2
Lincoln County	HSA#4
Mason County	HSA#2
Okanogan County	HSA#3
Pacific County	HSA#2
Pend Oreille County	HSA#4
Pierce County	HSA#1
San Juan County	HSA#1
Skagit County	HSA#1
Skamania County	HSA#2
Snohomish County	HSA#1
Spokane County	HSA#4
Stevens County	HSA#4
Thurston County	HSA#2
Wahkiakum County	HSA#2
Walla Walla County	HSA#4
Whatcom County	HSA#1
Whitman County	HSA#4
Yakima County	HSA#3

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Step 1: Compile state historical utilization data (i.e. patient days within major service categories) for at least ten years preceding the base year

**2012-2021 HSA Total Number of Resident Patient Days**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	10-Year Total
<b>HSA #1</b>	1,282,023	1,300,706	1,339,663	1,406,654	1,432,521	1,515,233	1,537,566	1,550,834	1,504,145	1,612,847	<b>14,482,192</b>
<b>HSA #2</b>	311,032	311,619	312,666	320,941	335,301	351,317	349,291	375,554	348,292	389,647	<b>3,405,660</b>
<b>HSA #3</b>	235,762	237,431	233,767	240,601	244,458	260,999	259,025	269,989	263,804	285,202	<b>2,531,038</b>
<b>HSA #4</b>	226,114	217,518	230,400	242,697	262,177	259,741	269,064	267,708	265,093	287,428	<b>2,527,940</b>
<b>Statewide Total</b>	<b>2,054,931</b>	<b>2,067,274</b>	<b>2,116,496</b>	<b>2,210,893</b>	<b>2,274,457</b>	<b>2,387,290</b>	<b>2,414,946</b>	<b>2,464,085</b>	<b>2,381,334</b>	<b>2,575,124</b>	<b>22,946,830</b>

Sources:

Office of Financial Management, 2022 Medium Series  
 Department of Health, Comprehensive Hospital Abstract Reporting System

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Step 2: Subtract psychiatric patient days from each year's historical data

**2012-2021 HSA Total Number of Resident Patient Days**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	10-Year Total
<b>HSA #1</b>	1,282,023	1,300,706	1,339,663	1,406,654	1,432,521	1,515,233	1,537,566	1,550,834	1,504,145	1,612,847	<b>14,482,192</b>
<b>HSA #2</b>	311,032	311,619	312,666	320,941	335,301	351,317	349,291	375,554	348,292	389,647	<b>3,405,660</b>
<b>HSA #3</b>	235,762	237,431	233,767	240,601	244,458	260,999	259,025	269,989	263,804	285,202	<b>2,531,038</b>
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<b>Statewide Total</b>	<b>2,054,931</b>	<b>2,067,274</b>	<b>2,116,496</b>	<b>2,210,893</b>	<b>2,274,457</b>	<b>2,387,290</b>	<b>2,414,946</b>	<b>2,464,085</b>	<b>2,381,334</b>	<b>2,575,124</b>	<b>22,946,830</b>

**2012-2021 HSA Total Number of Resident Psychiatric Patient Days**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	10-Year Total
<b>HSA #1</b>	14,474	12,941	18,538	25,933	24,318	25,342	26,288	27,704	19,303	19,021	<b>213,862</b>
<b>HSA #2</b>	1,235	1,194	2,164	2,553	3,263	3,605	3,205	4,647	6,599	7,538	<b>36,003</b>
<b>HSA #3</b>	585	701	603	841	1,087	1,261	1,513	1,013	1,264	1,458	<b>10,326</b>
<b>HSA #4</b>	689	1,269	934	571	894	1,399	571	707	798	926	<b>8,758</b>
<b>Statewide Total</b>	<b>16,983</b>	<b>16,105</b>	<b>22,239</b>	<b>29,898</b>	<b>29,562</b>	<b>31,607</b>	<b>31,577</b>	<b>34,071</b>	<b>27,964</b>	<b>28,943</b>	<b>268,949</b>

HSA # 1 Psych Hospitals Include: BHC Fairfax in Kirkland, BHC Fairfax North in Everett, Fairfax Behavioral Health Monroe in Monroe, Cascade Behavioral Health in Tukwila, Navos in Seattle, and Smokey Point Behavioral Hospital in Marysville (no reported data for 2017), and Wellfound Behavioral Health in Tacoma

HSA # 2 Psych Hospitals Include: Rainier Springs in Vancouver (operational in 2018), South Sound Behavioral Hospital in Lacey

HSA # 3 Psych Hospitals Include: Lourdes Counseling Center in Richland

HSA # 4 Psych Hospitals Include: Inland Northwest Behavioral Hospital in Spokane (licensed in 2018)

**2012-2021 HSA Total Number of Resident Patient Days Minus Psych Days**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	10-Year Total
<b>HSA #1</b>	1,267,549	1,287,765	1,321,125	1,380,721	1,408,203	1,489,891	1,511,278	1,523,130	1,484,842	1,593,826	<b>14,268,330</b>
<b>HSA #2</b>	309,797	310,425	310,502	318,388	332,038	347,712	346,086	370,907	341,693	382,109	<b>3,369,657</b>
<b>HSA #3</b>	235,177	236,730	233,164	239,760	243,371	259,738	257,512	268,976	262,540	283,744	<b>2,520,712</b>
<b>HSA #4</b>	225,425	216,249	229,466	242,126	261,283	258,342	268,493	267,001	264,295	286,502	<b>2,519,182</b>
<b>Statewide Total</b>	<b>2,037,948</b>	<b>2,051,169</b>	<b>2,094,257</b>	<b>2,180,995</b>	<b>2,244,895</b>	<b>2,355,683</b>	<b>2,383,369</b>	<b>2,430,014</b>	<b>2,353,370</b>	<b>2,546,181</b>	<b>22,677,881</b>

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Step 3: For each year, compute the statewide and HSA average use rates

**2012-2021 HSA Total Number of Resident Patient Days Minus Psych Days**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	10-Year Total
HSA #1	1,267,549	1,287,765	1,321,125	1,380,721	1,408,203	1,489,891	1,511,278	1,523,130	1,484,842	1,593,826	<b>14,268,330</b>
HSA #2	309,797	310,425	310,502	318,388	332,038	347,712	346,086	370,907	341,693	382,109	<b>3,369,657</b>
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HSA #4	225,425	216,249	229,466	242,126	261,283	258,342	268,493	267,001	264,295	286,502	<b>2,519,182</b>
<b>Statewide Total</b>	<b>2,037,948</b>	<b>2,051,169</b>	<b>2,094,257</b>	<b>2,180,995</b>	<b>2,244,895</b>	<b>2,355,683</b>	<b>2,383,369</b>	<b>2,430,014</b>	<b>2,353,370</b>	<b>2,546,181</b>	<b>22,677,881</b>

**Total Populations by HSA**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	10-Year Total
HSA #1	4,294,496	4,339,478	4,384,459	4,429,440	4,507,526	4,585,612	4,663,697	4,741,783	4,864,783	4,914,237	<b>45,725,511</b>
HSA #2	1,064,402	1,073,968	1,083,534	1,093,100	1,111,098	1,129,096	1,147,094	1,165,092	1,194,471	1,208,886	<b>11,270,741</b>
HSA #3	794,842	802,958	811,074	819,190	831,272	843,353	855,435	867,516	870,124	879,175	<b>8,374,939</b>
HSA #4	705,548	710,258	714,969	719,680	726,917	734,154	741,392	748,629	776,932	782,825	<b>7,361,303</b>
<b>Statewide Total</b>	<b>6,859,288</b>	<b>6,926,662</b>	<b>6,994,036</b>	<b>7,061,410</b>	<b>7,176,813</b>	<b>7,292,215</b>	<b>7,407,618</b>	<b>7,523,020</b>	<b>7,706,310</b>	<b>7,785,123</b>	<b>72,732,495</b>

**Use Rate Per 1,000 by HSA**

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
HSA #1	295.16	296.76	301.32	311.71	312.41	324.91	324.05	321.21	305.22	324.33
HSA #2	291.05	289.04	286.56	291.27	298.84	307.96	301.71	318.35	286.06	316.08
HSA #3	295.88	294.82	287.48	292.68	292.77	307.98	301.03	310.05	301.73	322.74
HSA #4	319.50	304.47	320.95	336.44	359.44	351.89	362.15	356.65	340.18	365.98
<b>Statewide Total</b>	<b>297.11</b>	<b>296.13</b>	<b>299.43</b>	<b>308.86</b>	<b>312.80</b>	<b>323.04</b>	<b>321.75</b>	<b>323.01</b>	<b>305.38</b>	<b>327.06</b>

Sources:

Office of Financial Management, 2022 Medium Series  
Department of Health, Comprehensive Hospital Abstract Reporting System

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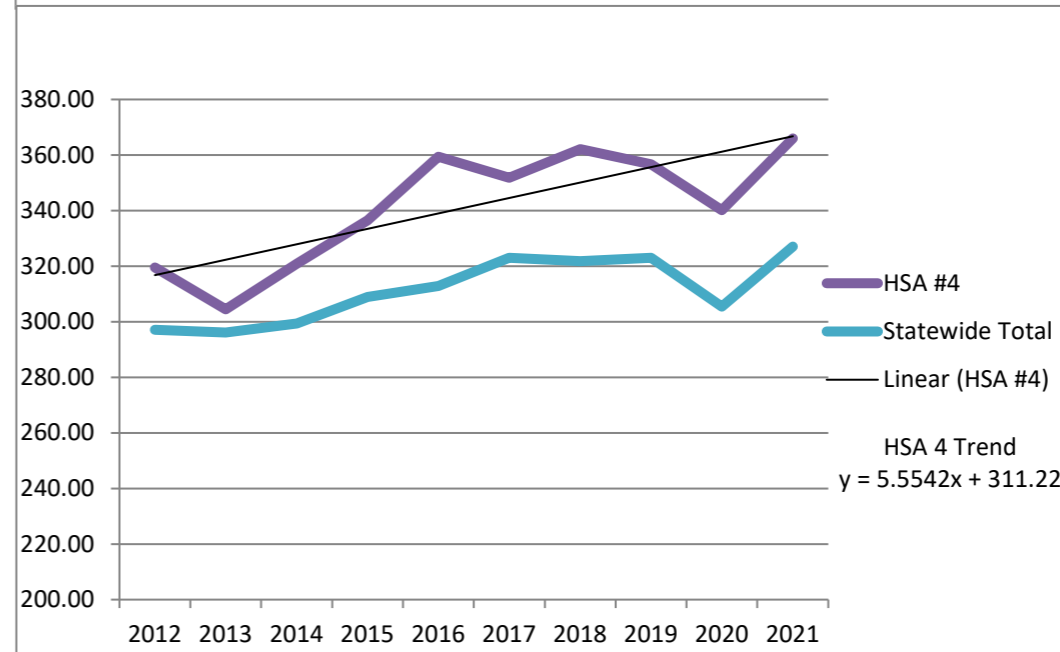
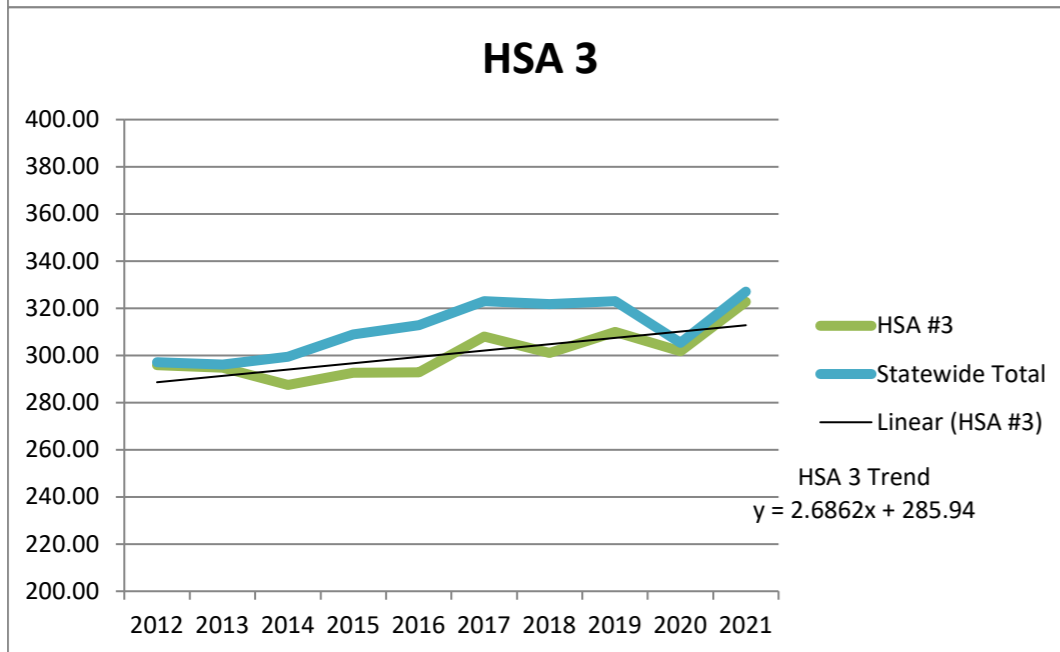
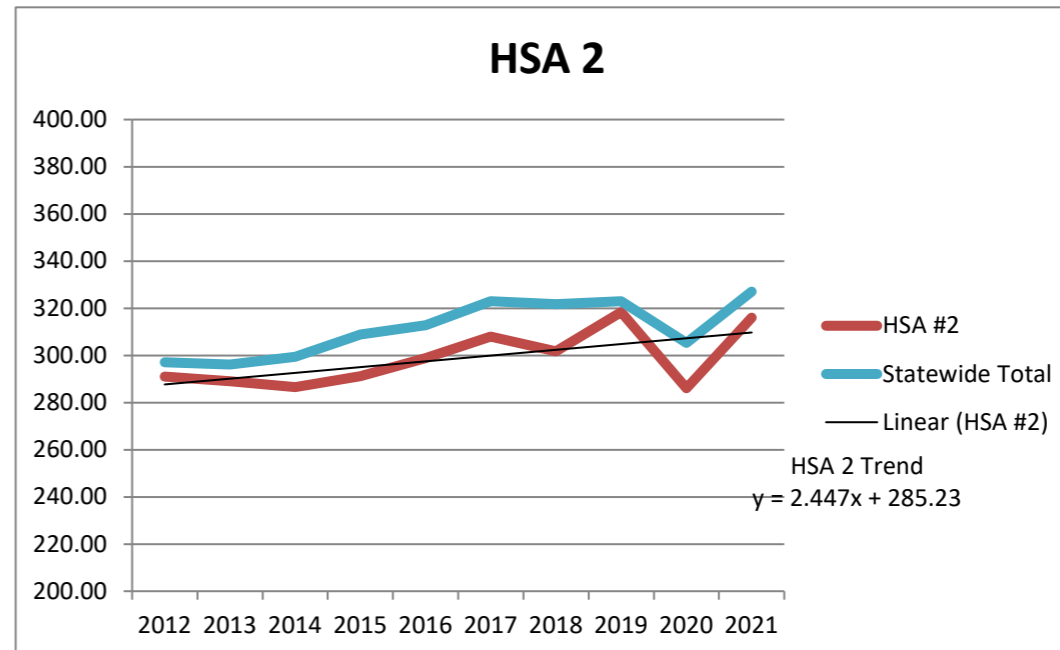
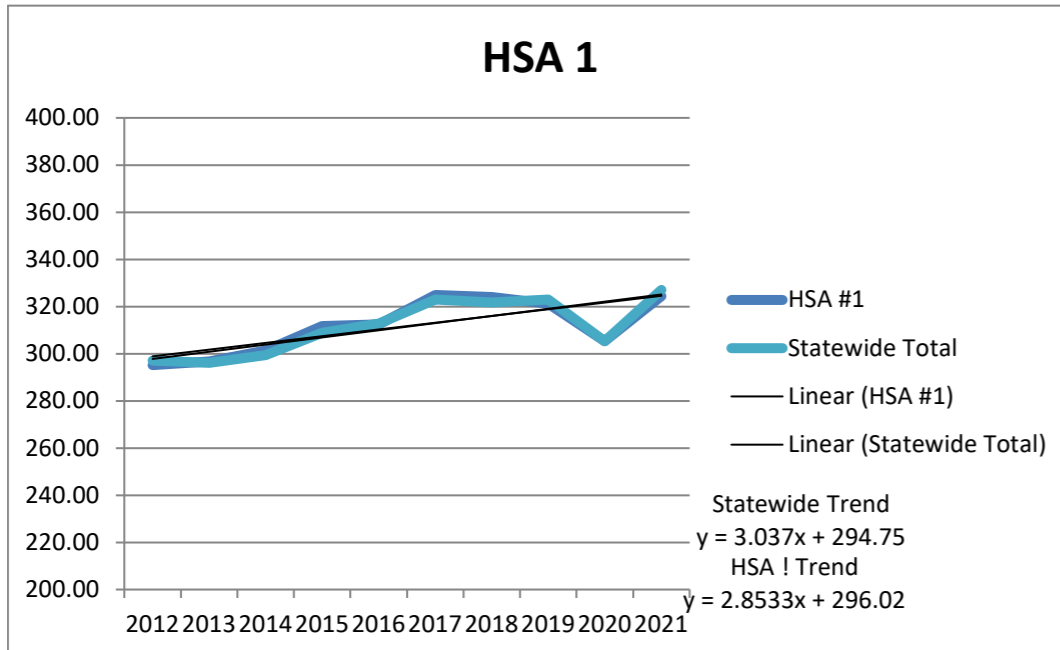
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Step 4: Using the ten-year history of use rates, compute the use rate trend line and its slope for each HSA and for the state as a whole

Use Rate Per 1,000 by HSA

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Trendline
<b>HSA #1</b>	295.16	296.76	301.32	311.71	312.41	324.91	324.05	321.21	305.22	324.33	2.8533
<b>HSA #2</b>	291.05	289.04	286.56	291.27	298.84	307.96	301.71	318.35	286.06	316.08	2.4470
<b>HSA #3</b>	295.88	294.82	287.48	292.68	292.77	307.98	301.03	310.05	301.73	322.74	2.6862
<b>HSA #4</b>	319.50	304.47	320.95	336.44	359.44	351.89	362.15	356.65	340.18	365.98	5.5542
<b>Statewide Total</b>	<b>297.11</b>	<b>296.13</b>	<b>299.43</b>	<b>308.86</b>	<b>312.80</b>	<b>323.04</b>	<b>321.75</b>	<b>323.01</b>	<b>305.38</b>	<b>327.06</b>	3.0370





Step 5: Using the latest statewide patient origin study, allocate non-psychiatric patient days reported in hospitals back to the hospital planning areas where the patients live.  
 (The psychiatric patient day data are used separately in the short-stay psychiatric hospital bed need forecasts)  
 Step 6: Compute each hospital planning area's use rate (excluding psychiatric services) for each of the age groups considered (at a minimum, ages 0-64 and 65+)

**STEP 5**

Base Year: 2021

HSA #1				
	Patient Days	Out of State (OOS) Patient Days	Total Patient Days, less OOS	OOS Percentage
0-64	938,648	35,001	903,647	3.73%
65+	804,299	17,268	787,031	2.15%
<b>Total</b>	<b>1,742,947</b>	<b>52,269</b>	<b>1,690,678</b>	<b>3.00%</b>

HSA #2				
	Patient Days	Out of State (OOS) Patient Days	Total Patient Days, less OOS	OOS Percentage
0-64	156,938	5,994	150,944	3.82%
65+	173,317	6,645	166,672	3.83%
<b>Total</b>	<b>330,255</b>	<b>12,639</b>	<b>317,616</b>	<b>3.83%</b>

HSA #3				
	Patient Days	Out of State (OOS) Patient Days	Total Patient Days, less OOS	OOS Percentage
0-64	105,105	4,045	101,060	3.85%
65+	117,912	4,585	113,327	3.89%
<b>Total</b>	<b>223,017</b>	<b>8,630</b>	<b>214,387</b>	<b>3.87%</b>

HSA #4				
	Patient Days	Out of State (OOS) Patient Days	Total Patient Days, less OOS	OOS Percentage
0-64	157,982	18,553	139,429	11.74%
65+	167,933	16,844	151,089	10.03%
<b>Total</b>	<b>325,915</b>	<b>35,397</b>	<b>290,518</b>	<b>10.86%</b>

**Patient Origin Data**

HSA #1 Resident Patient Days In....									
	HSA #1	+ HSA #2	+ HSA #3	+ HSA #4	= Total Patient Days from HSA #1	+ HSA #1 Resident Patient Days Provided in OR	= Total HSA #1 Resident Patient Days		
0-64	818,003	5,794	812	1,151	825,760	1	825,761		
65+	736,691	2,952	943	394	740,980	1	740,981		
<b>Total</b>	<b>1,554,694</b>	<b>8,746</b>	<b>1,755</b>	<b>1,545</b>	<b>1,566,740</b>	<b>2</b>	<b>1,566,742</b>		

HSA #2 Resident Patient Days In....									
	HSA #1	+ HSA #2	+ HSA #3	+ HSA #4	= Total Patient Days from HSA #2	+ HSA #2 Resident Patient Days Provided in OR	= Total HSA #2 Resident Patient Days		
0-64	42,568	144,229	428	444	187,669	1	187,670		
65+	31,294	163,184	662	278	195,418	1	195,419		
<b>Total</b>	<b>73,862</b>	<b>307,413</b>	<b>1,090</b>	<b>722</b>	<b>383,087</b>	<b>2</b>	<b>383,089</b>		

HSA #3 Resident Patient Days In....									
	HSA #1	+ HSA #2	+ HSA #3	+ HSA #4	= Total Patient Days from HSA #3	+ HSA #3 Resident Patient Days Provided in OR	= Total HSA #3 Resident Patient Days		
0-64	35,436	566	96,475	11,870	144,347	1	144,348		
65+	16,873	321	108,642	7,642	133,478	1	133,479		
<b>Total</b>	<b>52,309</b>	<b>887</b>	<b>205,117</b>	<b>19,512</b>	<b>277,825</b>	<b>2</b>	<b>277,827</b>		

HSA #4 Resident Patient Days In....									
	HSA #1	+ HSA #2	+ HSA #3	+ HSA #4	= Total Patient Days from HSA #4	+ HSA #4 Resident Patient Days Provided in OR	= Total HSA #4 Resident Patient Days		
0-64	7,640	355	3,345	125,964	137,304	1	137,305		
65+	2,173	215	3,080	142,775	148,243	1	148,244		
<b>Total</b>	<b>9,813</b>	<b>570</b>	<b>6,425</b>	<b>268,739</b>	<b>285,547</b>	<b>2</b>	<b>285,549</b>		



Market Share

Percentage of Patient Days

HSA #1 Resident Patient Days In....					
	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	99.06%	0.70%	0.10%	0.14%	0.00%
65+	99.42%	0.40%	0.13%	0.05%	0.00%

HSA #2 Resident Patient Days In....					
	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	22.68%	76.85%	0.23%	0.24%	0.00%
65+	16.01%	83.50%	0.34%	0.14%	0.00%

HSA #3 Resident Patient Days In....					
	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	24.55%	0.39%	66.84%	8.22%	0.00%
65+	12.64%	0.24%	81.39%	5.73%	0.00%

HSA #4 Resident Patient Days In....					
	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	5.56%	0.26%	2.44%	91.74%	0.00%
65+	1.47%	0.15%	2.08%	96.31%	0.00%

2021 Population by HSA					
	HSA #1	HSA #2	HSA #3	HSA #4	Total
0-64	4,134,599	971,977	738,580	638,380	6,483,537
65+	779,638	236,909	140,595	144,445	1,301,586
<b>Total</b>	<b>4,914,237</b>	<b>1,208,886</b>	<b>879,175</b>	<b>782,825</b>	<b>7,785,123</b>

2021 Use Rate by HSA				
	HSA #1	HSA #2	HSA #3	HSA #4
0-64	199.72	193.08	254.10	215.08
65+	950.42	824.87	1,389.95	1,026.30



Step 7A: Forecast each hospital planning area's use rates for the target year by "trend-adjusting" each age-specific use rate. The use rates are adjusted upward or downward in proportion to the slope of either the statewide ten year use rate trend or the appropriate health planning region's ten year use rate trend, whichever trend would result in the smaller adjustment.

Each hospital planning area's trend-adjusted use rate for every age group is tested against the statewide hospital use rate for HMO enrollees in the same age group. The trend-adjusted use rate is used in forecasting if it equals or exceeds the statewide HMO enrollees' hospital use rate. If not, forecasting will be done using the applicable statewide HMO enrollees' use rate or the hospital planning area's actual base-year use rate, whichever is lower

**2021 Use Rate by HSA**

	HSA #1	HSA #2	HSA #3	HSA #4
<b>0-64</b>	199.72	193.08	254.10	215.08
<b>65+</b>	950.42	824.87	1,389.95	1,026.30

**2028 Projected Population**

	HSA #1	HSA #2	HSA #3	HSA #4
<b>0-64</b>	4,272,603	1,016,429	767,670	647,769
<b>65+</b>	990,853	293,925	174,461	176,903
<b>Total</b>	<b>5,263,456</b>	<b>1,310,354</b>	<b>942,131</b>	<b>824,673</b>

**2028 Projected Use Rate**

*7 year factor*

	HSA #1	HSA #2	HSA #3	HSA #4
USE RATES				
0-64 HSA	<b>219.69</b>	<b>210.21</b>	<b>272.90</b>	253.96
0-64 Statewide	220.98	214.34	275.35	<b>236.34</b>
65+ HSA	<b>970.39</b>	<b>842.00</b>	<b>1,408.75</b>	1,065.18
65+ Statewide	971.68	846.13	1,411.21	<b>1,047.56</b>

Sources:

Office of Financial Management, 2022 Medium Series

Department of Health, Comprehensive Hospital Abstract Reporting System





Step 8: Forecast non-psychiatric patient days for each hospital planning area by multiplying the area's trend-adjusted use rates for the age groups by the area's forecasted population (in thousands) in each age group at the target year. Add patient days in each age group to determine total forecasted patient days.

**2028 Projected Use Rates**

	HSA #1	HSA #2	HSA #3	HSA #4
0-64	219.69	210.21	272.90	236.34
65+	970.39	842.00	1,408.75	1,047.56

**2028 Projected Population**

	HSA #1	HSA #2	HSA #3	HSA #4	
0-64	4,272,603	1,016,429	767,670	647,769	6,704,472
65+	990,853	293,925	174,461	176,903	1,636,142
<b>TOTAL</b>	<b>5,263,456</b>	<b>1,310,354</b>	<b>942,131</b>	<b>824,673</b>	<b>8,340,614</b>

**2028 Projected Patient Days**

	HSA #1	HSA #2	HSA #3	HSA #4	
0-64	938,660	213,663	209,496	153,095	<b>1,514,915</b>
65+	961,514	247,484	245,772	185,317	<b>1,640,087</b>
<b>TOTAL</b>	<b>1,900,174</b>	<b>461,147</b>	<b>455,268</b>	<b>338,413</b>	<b>3,155,002</b>

Sources:

Office of Financial Management, 2022 Medium Series

Department of Health, Comprehensive Hospital Abstract Reporting System



Step 9: Allocate the forecasted non-psychiatric patient days to the planning areas where services are expected to be provided in accordance with (a) the hospital market shares and (b) the percent of out-of-state use of Washington hospitals, both derived from the latest statewide patient origin study.

**2028 Projected Patient Days**

	HSA #1	HSA #2	HSA #3	HSA #4	Total
<b>0-64</b>	938,660	213,663	209,496	153,095	<b>1,514,915</b>
<b>65+</b>	961,514	247,484	245,772	185,317	<b>1,640,087</b>
<b>TOTAL</b>	<b>1,900,174</b>	<b>461,147</b>	<b>455,268</b>	<b>338,413</b>	<b>3,155,002</b>

**Market Share from Step 5**

**HSA #1 Resident Patient Days In....**

	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	99.06%	0.70%	0.10%	0.14%	0.00%
65+	99.42%	0.40%	0.13%	0.05%	0.00%

**Out of State % of Patient Days from Step 5**

<b>HSA 1</b>	
0-64	3.73%
65+	2.15%

**HSA #2 Resident Patient Days In....**

	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	22.68%	76.85%	0.23%	0.24%	0.00%
65+	16.01%	83.50%	0.34%	0.14%	0.00%

<b>HSA 2</b>	
0-64	3.82%
65+	3.83%

**HSA #3 Resident Patient Days In....**

	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	24.55%	0.39%	66.84%	8.22%	0.00%
65+	12.64%	0.24%	81.39%	5.73%	0.00%

<b>HSA 3</b>	
0-64	3.85%
65+	3.89%

**HSA #4 Resident Patient Days In....**

	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	5.56%	0.26%	2.44%	91.74%	0.00%
65+	1.47%	0.15%	2.08%	96.31%	0.00%

<b>HSA 4</b>	
0-64	11.74%
65+	10.03%

**HSA Resident Patient Days**

**HSA #1 Resident Patient Days In....**

	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	929,841	6,586	923	1,308	1
65+	955,947	3,831	1,224	511	1

**Projected Patient Days Projected in HSA**

<b>Patient Days In HSA 1</b>		
0-64		1,038,253
65+		1,029,363
<b>Total</b>		<b>2,067,616</b>

**HSA #2 Resident Patient Days In....**

	HSA #1	HSA #2	HSA #3	HSA #4	Oregon
0-64	48,464	164,205	487	505	1
65+	39,632	206,661	838	352	1

<b>Patient Days In HSA 2</b>		
0-64		172,009
65+		211,351
<b>Total</b>		<b>383,360</b>

Sources:

Office of Financial Management, 2022 Medium Series  
 Department of Health, Comprehensive Hospital Abstract Reporting System



HSA #3 Resident Patient Days In....						Patient Days In HSA 3	
	HSA #1	HSA #2	HSA #3	HSA #4	Oregon		
0-64	51,429	821	140,017	17,227	1	0-64	145,157
65+	31,068	591	200,040	14,071	2	65+	205,952
						<b>Total</b>	<b>351,109</b>

HSA #4 Resident Patient Days In....						Patient Days In HSA 4	
	HSA #1	HSA #2	HSA #3	HSA #4	Oregon		
0-64	8,519	396	3,730	140,450	1	0-64	159,491
65+	2,716	269	3,850	178,481	1	65+	193,415
						<b>Total</b>	<b>352,906</b>

**Projected Patient Days Projected in HSA, Including Out of State Resident Patient Days 2028**

Patient Days In HSA 1		
	0-64	1,076,968
	65+	1,051,463
	<b>Total</b>	<b>2,128,431</b>

Patient Days In HSA 2		
	0-64	178,579
	65+	219,454
	<b>Total</b>	<b>398,033</b>

Patient Days In HSA 3		
	0-64	150,743
	65+	213,961
	<b>Total</b>	<b>364,704</b>

Patient Days In HSA 4		
	0-64	178,221
	65+	212,815
	<b>Total</b>	<b>391,037</b>



Step 10: Applying weighted average occupancy standards, determine each planning area's non-psychiatric bed need. Calculate the weighted average occupancy standard as described in Hospital Forecasting Standard 11.f. This should be based on the total number of beds in each hospital (Standard 11.b.), including any short-stay psychiatric beds in general acute care hospitals. Psychiatric hospitals with no other services should be excluded from the occupancy calculation.

Explanation: Psychiatric beds in general acute-care hospitals are included in occupancy calculations. The occupancy standards in Standard 11.b. were selected to allow sufficient leeway for hospitals to meet a variety of needs, including psychiatric, and these assumptions have been applied in the past to hospitals having psychiatric services as well as to those which do not.

**Projected Patient Days Projected in HSA, Including Out of State Resident Patient Days 2028**

<b>Patient Days In HSA 1</b>	0-64	1,076,968
	65+	1,051,463
	<b>Total</b>	<b>2,128,431</b>

<b>Patient Days In HSA 2</b>	0-64	178,579
	65+	219,454
	<b>Total</b>	<b>398,033</b>

<b>Patient Days In HSA 3</b>	0-64	150,743
	65+	213,961
	<b>Total</b>	<b>364,704</b>

<b>Patient Days In HSA 4</b>	0-64	178,221
	65+	212,815
	<b>Total</b>	<b>391,037</b>

<b>Total Projected Patient Days In Washington State</b>	0-64	1,584,512
	65+	1,697,693
	<b>Total</b>	<b>3,282,205</b>

Sources:

Office of Financial Management, 2022 Medium Series

Department of Health, Comprehensive Hospital Abstract Reporting System



HSA #1 POPULATION																							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-64	3,632,656	3,671,527	3,710,587	3,731,464	3,752,341	3,773,218	3,794,096	3,814,973	3,861,024	3,907,076	3,953,128	3,999,179	4,114,963	4,134,599	4,154,236	4,173,873	4,193,509	4,213,146	4,232,965	4,252,784	4,272,603	4,292,422	4,312,241
65+	475,184	484,579	493,947	518,051	542,155	566,259	590,363	614,467	646,501	678,536	710,570	742,604	749,820	779,638	809,456	839,273	869,091	898,909	929,557	960,205	990,853	1,021,501	1,052,149
<b>Total</b>	<b>4,107,840</b>	<b>4,156,106</b>	<b>4,204,534</b>	<b>4,249,515</b>	<b>4,294,496</b>	<b>4,339,478</b>	<b>4,384,459</b>	<b>4,429,440</b>	<b>4,507,526</b>	<b>4,585,612</b>	<b>4,663,697</b>	<b>4,741,783</b>	<b>4,864,783</b>	<b>4,914,237</b>	<b>4,963,692</b>	<b>5,013,146</b>	<b>5,062,601</b>	<b>5,112,055</b>	<b>5,162,522</b>	<b>5,212,989</b>	<b>5,263,456</b>	<b>5,313,923</b>	<b>5,364,390</b>

HSA #2 POPULATION																							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-64	875,884	888,201	900,535	902,479	904,423	906,367	908,311	910,255	919,691	929,126	938,561	947,997	965,862	971,977	978,092	984,208	990,323	996,438	1,003,102	1,009,766	1,016,429	1,023,093	1,029,757
65+	137,130	140,892	144,735	152,357	159,979	167,601	175,223	182,845	191,407	199,970	208,533	217,095	228,609	236,909	245,209	253,509	261,809	270,109	278,048	285,986	293,925	301,863	309,802
<b>Total</b>	<b>1,013,014</b>	<b>1,029,092</b>	<b>1,045,270</b>	<b>1,054,836</b>	<b>1,064,402</b>	<b>1,073,968</b>	<b>1,083,534</b>	<b>1,093,100</b>	<b>1,111,098</b>	<b>1,129,096</b>	<b>1,147,094</b>	<b>1,165,092</b>	<b>1,194,471</b>	<b>1,208,886</b>	<b>1,223,301</b>	<b>1,237,717</b>	<b>1,252,132</b>	<b>1,266,547</b>	<b>1,281,149</b>	<b>1,295,752</b>	<b>1,310,354</b>	<b>1,324,957</b>	<b>1,339,559</b>

HSA #3 POPULATION																							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-64	663,577	673,407	684,775	688,510	692,244	695,979	699,714	703,449	710,831	718,213	725,595	732,978	734,424	738,580	742,736	746,892	751,047	755,203	759,359	763,514	767,670	771,826	777,996
65+	89,965	91,825	93,835	98,216	102,598	106,979	111,360	115,741	120,441	125,140	129,839	134,539	135,700	140,595	145,490	150,385	155,280	160,175	164,937	169,699	174,461	179,223	183,985
<b>Total</b>	<b>753,543</b>	<b>765,232</b>	<b>778,610</b>	<b>786,726</b>	<b>794,842</b>	<b>802,958</b>	<b>811,074</b>	<b>819,190</b>	<b>831,272</b>	<b>843,353</b>	<b>855,435</b>	<b>867,516</b>	<b>870,124</b>	<b>879,175</b>	<b>888,226</b>	<b>897,276</b>	<b>906,327</b>	<b>915,378</b>	<b>924,296</b>	<b>933,213</b>	<b>942,131</b>	<b>951,049</b>	<b>961,981</b>

HSA #4 POPULATION																							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-64	591,751	597,230	600,966	601,789	602,612	603,435	604,258	605,082	607,306	609,531	611,756	613,980	637,274	638,380	639,487	640,593	641,700	642,806	644,460	646,115	647,769	649,424	651,078
65+	92,306	93,835	95,160	99,048	102,935	106,823	110,711	114,598	119,611	124,623	129,636	134,648	139,658	144,445	149,231	154,017	158,804	163,590	168,028	172,466	176,903	181,341	185,779
<b>Total</b>	<b>684,057</b>	<b>691,065</b>	<b>696,126</b>	<b>700,837</b>	<b>705,548</b>	<b>710,258</b>	<b>714,969</b>	<b>719,680</b>	<b>726,917</b>	<b>734,154</b>	<b>741,392</b>	<b>748,629</b>	<b>776,932</b>	<b>782,825</b>	<b>788,718</b>	<b>794,610</b>	<b>800,503</b>	<b>806,396</b>	<b>812,488</b>	<b>818,580</b>	<b>824,673</b>	<b>830,765</b>	<b>836,857</b>

TOTAL STATE POPULATION																							
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
0-64	5,763,868	5,830,365	5,896,863	5,924,242	5,951,621	5,979,000	6,006,379	6,033,758	6,098,852	6,163,946	6,229,040	6,294,134	6,452,523	6,483,537	6,514,551	6,545,565	6,576,579	6,607,593	6,639,886	6,672,179	6,704,472	6,736,765	6,771,072
65+	794,585	811,130	827,677	867,672	907,667	947,662	987,657	1,027,652	1,077,960	1,128,269	1,178,578	1,228,886	1,253,787	1,301,586	1,349,385	1,397,185	1,444,984	1,492,783	1,540,569	1,588,356	1,636,142	1,683,929	1,731,715
<b>Total</b>	<b>6,558,454</b>	<b>6,641,495</b>	<b>6,724,540</b>	<b>6,791,914</b>	<b>6,859,288</b>	<b>6,926,662</b>	<b>6,994,036</b>	<b>7,061,410</b>	<b>7,176,813</b>	<b>7,292,215</b>	<b>7,407,618</b>	<b>7,523,020</b>	<b>7,706,310</b>	<b>7,785,123</b>	<b>7,863,936</b>	<b>7,942,750</b>	<b>8,021,563</b>	<b>8,100,376</b>	<b>8,180,455</b>	<b>8,260,535</b>	<b>8,340,614</b>	<b>8,420,693</b>	<b>8,502,787</b>

**Washington State Department of Health**  
**Acute Care Bed Numeric Need Methodology**  
*Published December 21, 2023*



HSA #1:	Clallam, Island, Jefferson, King, Kitsap, Pierce, San Juan, Skagit, Snohomish, Whatcom																						
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>0-64</b>																							
Clallam			54,215	53,915	53,615	53,316	53,016	52,716	52,661	52,605	52,550	52,494	52,094	52,247	52,399	52,552	52,704	52,857	53,039	53,221	53,402	53,584	53,766
Island			64,067	63,756	63,446	63,135	62,824	62,514	62,664	62,814	62,964	63,114	63,633	63,840	64,048	64,256	64,464	64,672	64,972	65,273	65,573	65,874	66,174
Jefferson			22,030	21,751	21,472	21,193	20,915	20,636	20,653	20,670	20,688	20,705	20,345	20,269	20,192	20,116	20,040	19,964	20,079	20,195	20,310	20,426	20,541
King			1,720,570	1,736,172	1,751,774	1,767,377	1,782,979	1,798,581	1,820,215	1,841,848	1,863,482	1,885,115	1,964,992	1,974,586	1,984,180	1,993,774	2,003,368	2,012,962	2,022,512	2,032,062	2,041,611	2,051,161	2,060,711
Kitsap			217,837	216,779	215,721	214,663	213,606	212,548	214,045	215,543	217,040	218,538	222,540	222,587	222,634	222,681	222,729	222,776	223,024	223,273	223,521	223,770	224,018
Pierce			707,440	710,179	712,919	715,658	718,397	721,137	729,937	738,738	747,538	756,339	786,960	790,591	794,221	797,852	801,483	805,114	808,657	812,200	815,742	819,285	822,828
San Juan			12,112	11,951	11,789	11,628	11,466	11,305	11,194	11,084	10,974	10,863	11,697	11,682	11,668	11,654	11,640	11,626	11,711	11,796	11,882	11,967	12,052
Skagit			98,025	97,997	97,969	97,941	97,913	97,885	98,616	99,346	100,076	100,807	100,150	100,574	100,998	101,422	101,846	102,270	102,688	103,106	103,525	103,943	104,361
Snohomish			639,791	644,195	648,599	653,004	657,408	661,812	672,806	683,800	694,793	705,787	708,361	712,731	717,100	721,470	725,839	730,209	734,203	738,197	742,192	746,186	750,180
Whatcom			174,500	174,768	175,036	175,304	175,572	175,840	178,234	180,629	183,023	185,418	184,193	185,493	186,794	188,095	189,395	190,696	192,079	193,462	194,844	196,227	197,610
<b>TOTAL</b>	<b>3,632,656</b>	<b>3,671,527</b>	<b>3,710,587</b>	<b>3,731,464</b>	<b>3,752,341</b>	<b>3,773,218</b>	<b>3,794,096</b>	<b>3,814,973</b>	<b>3,861,024</b>	<b>3,907,076</b>	<b>3,953,128</b>	<b>3,999,179</b>	<b>4,114,963</b>	<b>4,134,599</b>	<b>4,154,236</b>	<b>4,173,873</b>	<b>4,193,509</b>	<b>4,213,146</b>	<b>4,232,965</b>	<b>4,252,784</b>	<b>4,272,603</b>	<b>4,292,422</b>	<b>4,312,241</b>
	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>65+</b>																							
Clallam			17,189	17,738	18,287	18,836	19,385	19,934	20,401	20,867	21,334	21,800	25,061	25,369	25,678	25,986	26,295	26,603	26,888	27,172	27,457	27,741	28,026
Island			14,439	15,168	15,898	16,627	17,357	18,086	18,625	19,163	19,701	20,239	23,224	23,676	24,127	24,579	25,030	25,482	25,885	26,288	26,692	27,095	27,498
Jefferson			7,842	8,322	8,803	9,283	9,764	10,244	10,580	10,916	11,252	11,588	12,632	13,029	13,427	13,824	14,221	14,618	14,832	15,046	15,259	15,473	15,687
King			210,679	219,387	228,095	236,803	245,511	254,219	268,307	282,395	296,484	310,572	304,683	316,701	328,719	340,737	352,755	364,773	377,152	389,531	401,910	414,289	426,668
Kitsap			33,296	35,767	38,239	40,710	43,181	45,652	47,697	49,743	51,788	53,833	53,071	55,150	57,228	59,307	61,385	63,464	65,489	67,513	69,538	71,562	73,587
Pierce			87,785	92,025	96,264	100,504	104,744	108,983	114,409	119,836	125,262	130,688	133,433	139,235	145,038	150,840	156,642	162,444	168,469	174,493	180,518	186,542	192,567
San Juan			3,657	3,901	4,144	4,388	4,632	4,876	5,099	5,322	5,545	5,768	6,091	6,326	6,561	6,796	7,030	7,265	7,399	7,532	7,666	7,799	7,933
Skagit			18,876	19,648	20,419	21,191	21,963	22,735	24,021	25,308	26,595	27,881	29,373	30,250	31,128	32,005	32,882	33,759	34,696	35,633	36,570	37,507	38,444
Snohomish			73,544	77,993	82,442	86,890	91,339	95,788	101,674	107,560	113,447	119,333	119,596	125,852	132,107	138,363	144,618	150,874	157,737	164,600	171,463	178,326	185,189
Whatcom			26,640	28,102	29,564	31,026	32,488	33,950	35,688	37,426	39,164	40,902	42,654	44,049	45,443	46,838	48,232	49,627	51,012	52,396	53,781	55,165	56,550
<b>TOTAL</b>	<b>475,184</b>	<b>484,579</b>	<b>493,947</b>	<b>518,051</b>	<b>542,155</b>	<b>566,259</b>	<b>590,363</b>	<b>614,467</b>	<b>646,501</b>	<b>678,536</b>	<b>710,570</b>	<b>742,604</b>	<b>749,820</b>	<b>779,638</b>	<b>809,456</b>	<b>839,273</b>	<b>869,091</b>	<b>898,909</b>	<b>929,557</b>	<b>960,205</b>	<b>990,853</b>	<b>1,021,501</b>	<b>1,052,149</b>

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HSA #2:	Clark, Cowlitz, Grays Harbor, Klickitat, Lewis, Mason, Pacific, Skamania, Thurston, Wahkiakum																						
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>0-64</b>																							
Clark			376,653	378,782	380,910	383,039	385,167	387,296	393,291	399,287	405,282	411,278	420,628	424,857	429,086	433,316	437,545	441,774	445,732	449,690	453,649	457,607	461,565
Cowlitz			86,605	86,367	86,130	85,892	85,655	85,417	85,517	85,617	85,717	85,817	87,848	87,937	88,027	88,116	88,206	88,295	88,438	88,581	88,725	88,868	89,011
Grays Harbor			60,948	60,579	60,211	59,842	59,473	59,105	58,675	58,246	57,817	57,387	58,396	58,092	57,788	57,484	57,179	56,875	56,714	56,554	56,393	56,233	56,072
Klickitat			16,693	16,596	16,499	16,402	16,305	16,208	16,082	15,955	15,828	15,702	17,332	17,217	17,103	16,988	16,874	16,759	16,746	16,733	16,721	16,708	16,695
Lewis			62,379	62,202	62,025	61,848	61,671	61,494	61,796	62,097	62,398	62,700	63,604	63,811	64,018	64,225	64,432	64,639	64,828	65,016	65,205	65,393	65,582
Mason			49,587	49,404	49,221	49,038	48,855	48,672	49,162	49,652	50,142	50,632	49,799	49,998	50,196	50,395	50,594	50,793	51,105	51,417	51,730	52,042	52,354
Pacific			15,737	15,613	15,488	15,364	15,239	15,115	14,972	14,830	14,688	14,545	15,581	15,523	15,464	15,405	15,346	15,287	15,287	15,287	15,286	15,286	15,286
Skamania			9,470	9,430	9,391	9,351	9,311	9,272	9,266	9,260	9,254	9,248	9,366	9,243	9,121	8,998	8,875	8,752	8,728	8,704	8,680	8,656	8,632
Thurston			219,500	220,590	221,680	222,771	223,861	224,951	228,261	231,571	234,880	238,190	240,351	242,356	244,360	246,365	248,369	250,374	252,633	254,892	257,150	259,409	261,668
Wahkiakum			2,963	2,916	2,868	2,821	2,773	2,726	2,669	2,612	2,555	2,498	2,957	2,943	2,930	2,917	2,903	2,890	2,890	2,891	2,891	2,892	2,892
<b>TOTAL</b>	<b>875,884</b>	<b>888,201</b>	<b>900,535</b>	<b>902,479</b>	<b>904,423</b>	<b>906,367</b>	<b>908,311</b>	<b>910,255</b>	<b>919,691</b>	<b>929,126</b>	<b>938,561</b>	<b>947,997</b>	<b>965,862</b>	<b>971,977</b>	<b>978,092</b>	<b>984,208</b>	<b>990,323</b>	<b>996,438</b>	<b>1,003,102</b>	<b>1,009,766</b>	<b>1,016,429</b>	<b>1,023,093</b>	<b>1,029,757</b>
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>65+</b>																							
Clark			48,710	51,873	55,036	58,198	61,361	64,524	68,044	71,564	75,085	78,605	82,683	86,493	90,303	94,113	97,923	101,733	105,735	109,737	113,739	117,741	121,743
Cowlitz			15,805	16,417	17,028	17,640	18,251	18,863	19,684	20,505	21,326	22,148	22,882	23,471	24,060	24,649	25,237	25,826	26,521	27,215	27,910	28,604	29,299
Grays Harbor			11,849	12,280	12,712	13,143	13,574	14,005	14,535	15,064	15,594	16,123	17,240	17,700	18,161	18,621	19,082	19,542	19,860	20,177	20,495	20,812	21,130
Klickitat			3,625	3,858	4,092	4,325	4,558	4,792	5,051	5,310	5,570	5,829	5,403	5,695	5,987	6,280	6,572	6,864	7,054	7,245	7,435	7,626	7,816
Lewis			13,076	13,494	13,912	14,330	14,748	15,166	15,576	15,987	16,398	16,808	18,545	18,899	19,253	19,608	19,962	20,316	20,685	21,054	21,424	21,793	22,162
Mason			11,112	11,595	12,079	12,562	13,045	13,528	14,123	14,717	15,311	15,905	15,927	16,436	16,945	17,453	17,962	18,471	18,902	19,334	19,765	20,197	20,628
Pacific			5,183	5,365	5,548	5,730	5,913	6,095	6,258	6,421	6,584	6,747	7,784	7,971	8,159	8,347	8,534	8,722	8,815	8,909	9,002	9,096	9,189
Skamania			1,596	1,708	1,821	1,933	2,046	2,158	2,286	2,414	2,542	2,670	2,238	2,455	2,673	2,891	3,108	3,326	3,440	3,554	3,669	3,783	3,897
Thurston			32,764	34,703	36,642	38,581	40,520	42,459	44,534	46,608	48,683	50,757	54,442	56,276	58,110	59,944	61,778	63,612	65,312	67,013	68,713	70,414	72,114
Wahkiakum			1,015	1,063	1,111	1,159	1,206	1,254	1,316	1,379	1,441	1,503	1,465	1,512	1,558	1,604	1,651	1,697	1,722	1,748	1,773	1,799	1,824
<b>TOTAL</b>	<b>137,130</b>	<b>140,892</b>	<b>144,735</b>	<b>152,357</b>	<b>159,979</b>	<b>167,601</b>	<b>175,223</b>	<b>182,845</b>	<b>191,407</b>	<b>199,970</b>	<b>208,533</b>	<b>217,095</b>	<b>228,609</b>	<b>236,909</b>	<b>245,209</b>	<b>253,509</b>	<b>261,809</b>	<b>270,109</b>	<b>278,048</b>	<b>285,986</b>	<b>293,925</b>	<b>301,863</b>	<b>309,802</b>

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HSA #3:	Benton, Chelan, Douglas, Franklin, Grant, Kittitas, Okanogan, Yakima																						
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>0-64</b>																							
Benton			154,591	156,125	157,660	159,194	160,728	162,262	163,693	165,123	166,554	167,984	174,308	175,851	177,393	178,935	180,477	182,019	183,656	185,293	186,929	188,566	190,203
Chelan			61,278	61,279	61,280	61,281	61,283	61,284	61,520	61,755	61,991	62,227	62,829	62,907	62,984	63,062	63,139	63,217	63,358	63,499	63,640	63,781	63,922
Douglas			32,988	33,098	33,209	33,319	33,430	33,540	33,938	34,335	34,732	35,130	35,255	35,378	35,501	35,624	35,746	35,869	36,040	36,211	36,383	36,554	36,725
Franklin			72,467	73,904	75,341	76,778	78,215	79,651	81,742	83,832	85,922	88,012	87,500	88,772	90,044	91,315	92,587	93,859	95,174	96,489	97,805	99,120	100,435
Grant			78,589	79,178	79,768	80,357	80,946	81,535	82,660	83,784	84,909	86,033	85,007	85,596	86,185	86,774	87,363	87,952	88,582	89,212	89,841	90,471	91,101
Kittitas			35,703	35,804	35,904	36,005	36,106	36,206	36,768	37,330	37,892	38,453	38,168	38,539	38,910	39,282	39,653	40,024	40,367	40,709	41,052	41,394	41,737
Okanogan			34,050	33,857	33,665	33,472	33,280	33,087	32,906	32,726	32,545	32,364	32,082	31,910	31,737	31,564	31,392	31,219	31,139	31,059	30,978	30,898	30,818
Yakima			215,109	215,264	215,418	215,573	215,727	215,882	217,605	219,328	221,051	222,774	219,274	219,628	219,982	220,336	220,690	221,044	221,446	221,848	222,251	222,653	223,055
<b>TOTAL</b>	<b>663,577</b>	<b>673,407</b>	<b>684,775</b>	<b>688,510</b>	<b>692,244</b>	<b>695,979</b>	<b>699,714</b>	<b>703,449</b>	<b>710,831</b>	<b>718,213</b>	<b>725,595</b>	<b>732,978</b>	<b>734,424</b>	<b>738,580</b>	<b>742,736</b>	<b>746,892</b>	<b>751,047</b>	<b>755,203</b>	<b>759,359</b>	<b>763,514</b>	<b>767,670</b>	<b>771,826</b>	<b>777,996</b>
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>65+</b>																							
Benton			20,586	21,734	22,883	24,031	25,179	26,328	27,492	28,657	29,821	30,986	32,565	33,826	35,088	36,349	37,611	38,872	40,093	41,313	42,534	43,754	44,975
Chelan			11,175	11,689	12,204	12,718	13,232	13,746	14,279	14,811	15,343	15,876	16,312	16,903	17,494	18,085	18,677	19,268	19,807	20,346	20,884	21,423	21,962
Douglas			5,443	5,644	5,846	6,047	6,248	6,450	6,831	7,213	7,595	7,976	7,683	8,039	8,396	8,752	9,109	9,465	9,777	10,090	10,402	10,715	11,027
Franklin			5,696	6,057	6,417	6,778	7,138	7,499	7,921	8,343	8,765	9,188	9,249	9,795	10,341	10,887	11,433	11,979	12,478	12,977	13,475	13,974	14,473
Grant			10,531	10,904	11,276	11,649	12,022	12,395	13,011	13,628	14,244	14,861	14,116	14,729	15,343	15,957	16,571	17,185	17,801	18,418	19,034	19,651	20,267
Kittitas			5,212	5,462	5,713	5,963	6,213	6,464	6,760	7,055	7,351	7,647	8,300	8,482	8,664	8,846	9,028	9,210	9,439	9,668	9,897	10,126	10,355
Okanogan			7,070	7,411	7,751	8,092	8,432	8,773	9,198	9,624	10,050	10,475	10,022	10,353	10,685	11,017	11,348	11,680	11,916	12,151	12,387	12,622	12,858
Yakima			28,122	29,315	30,508	31,702	32,895	34,088	34,949	35,809	36,670	37,530	37,454	38,467	39,479	40,491	41,504	42,516	43,626	44,737	45,847	46,958	48,068
<b>TOTAL</b>	<b>89,965</b>	<b>91,825</b>	<b>93,835</b>	<b>98,216</b>	<b>102,598</b>	<b>106,979</b>	<b>111,360</b>	<b>115,741</b>	<b>120,441</b>	<b>125,140</b>	<b>129,839</b>	<b>134,539</b>	<b>135,700</b>	<b>140,595</b>	<b>145,490</b>	<b>150,385</b>	<b>155,280</b>	<b>160,175</b>	<b>164,937</b>	<b>169,699</b>	<b>174,461</b>	<b>179,223</b>	<b>183,985</b>



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HSA #4:	Adams, Asotin, Columbia, Ferry, Garfield, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman																						
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>0-64</b>																							
Adams			16,813	16,978	17,143	17,307	17,472	17,637	17,768	17,899	18,029	18,160	18,015	18,199	18,382	18,565	18,748	18,931	19,076	19,221	19,365	19,510	19,655
Asotin			17,451	17,355	17,258	17,162	17,066	16,969	16,906	16,842	16,779	16,715	16,822	16,706	16,591	16,475	16,360	16,244	16,150	16,056	15,962	15,868	15,774
Columbia			3,141	3,110	3,080	3,049	3,019	2,988	2,947	2,905	2,863	2,822	2,812	2,763	2,713	2,664	2,615	2,566	2,534	2,501	2,469	2,436	2,404
Ferry			6,123	6,065	6,007	5,949	5,892	5,834	5,782	5,731	5,680	5,628	5,208	5,127	5,047	4,967	4,886	4,806	4,794	4,781	4,769	4,756	4,744
Garfield			1,760	1,741	1,722	1,703	1,684	1,665	1,644	1,623	1,602	1,581	1,570	1,570	1,570	1,569	1,569	1,569	1,565	1,561	1,558	1,554	1,550
Lincoln			8,373	8,319	8,264	8,210	8,155	8,101	8,042	7,982	7,923	7,864	7,814	7,804	7,794	7,785	7,775	7,765	7,769	7,773	7,776	7,780	7,784
Pend Oreille			10,516	10,422	10,327	10,233	10,139	10,045	9,998	9,952	9,905	9,859	9,718	9,660	9,602	9,543	9,485	9,427	9,408	9,388	9,369	9,349	9,330
Spokane			410,252	411,100	411,949	412,797	413,645	414,493	416,684	418,875	421,066	423,256	446,453	447,909	449,365	450,821	452,277	453,733	455,179	456,625	458,071	459,517	460,963
Stevens			36,015	35,727	35,440	35,152	34,864	34,576	34,459	34,343	34,226	34,109	36,029	35,790	35,550	35,311	35,071	34,832	34,983	35,134	35,285	35,436	35,587
Walla Walla			50,003	49,981	49,959	49,937	49,915	49,893	50,111	50,328	50,546	50,763	50,358	50,364	50,370	50,376	50,382	50,388	50,438	50,488	50,537	50,587	50,637
Whitman			40,519	40,991	41,463	41,935	42,407	42,880	42,965	43,051	43,137	43,222	42,475	42,489	42,503	42,517	42,531	42,545	42,566	42,587	42,608	42,629	42,650
<b>TOTAL</b>	<b>591,751</b>	<b>597,230</b>	<b>600,966</b>	<b>601,789</b>	<b>602,612</b>	<b>603,435</b>	<b>604,258</b>	<b>605,082</b>	<b>607,306</b>	<b>609,531</b>	<b>611,756</b>	<b>613,980</b>	<b>637,274</b>	<b>638,380</b>	<b>639,487</b>	<b>640,593</b>	<b>641,700</b>	<b>642,806</b>	<b>644,460</b>	<b>646,115</b>	<b>647,769</b>	<b>649,424</b>	<b>651,078</b>
	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>	<b>2028</b>	<b>2029</b>	<b>2030</b>
<b>65+</b>																							
Adams			1,915	1,887	1,858	1,830	1,801	1,773	1,887	2,000	2,114	2,227	2,598	2,605	2,613	2,621	2,629	2,637	2,692	2,747	2,802	2,857	2,912
Asotin			4,172	4,346	4,519	4,693	4,867	5,041	5,233	5,426	5,619	5,812	5,463	5,673	5,884	6,094	6,305	6,515	6,700	6,886	7,071	7,257	7,442
Columbia			937	970	1,003	1,036	1,069	1,102	1,135	1,169	1,202	1,236	1,140	1,170	1,200	1,229	1,259	1,289	1,312	1,335	1,357	1,380	1,403
Ferry			1,428	1,518	1,607	1,697	1,787	1,876	1,949	2,022	2,095	2,168	1,970	2,058	2,147	2,235	2,323	2,411	2,428	2,446	2,463	2,481	2,498
Garfield			506	524	542	559	577	595	607	620	633	645	716	711	706	700	695	690	692	693	695	696	698
Lincoln			2,197	2,281	2,366	2,450	2,535	2,619	2,687	2,755	2,823	2,891	3,062	3,116	3,169	3,223	3,276	3,330	3,362	3,394	3,427	3,459	3,491
Pend Oreille			2,485	2,627	2,769	2,911	3,053	3,195	3,378	3,560	3,742	3,925	3,683	3,845	4,007	4,170	4,332	4,494	4,618	4,742	4,865	4,989	5,113
Spokane			60,969	63,539	66,108	68,678	71,247	73,817	77,325	80,834	84,343	87,852	92,886	96,172	99,458	102,744	106,030	109,316	112,735	116,155	119,574	122,994	126,413
Stevens			7,516	7,904	8,291	8,679	9,066	9,454	9,930	10,407	10,884	11,360	10,416	11,029	11,642	12,255	12,868	13,481	13,710	13,940	14,169	14,399	14,628
Walla Walla			8,778	9,174	9,570	9,965	10,361	10,757	10,819	10,881	10,944	11,006	12,226	12,446	12,666	12,886	13,106	13,326	13,528	13,731	13,933	14,136	14,338
Whitman			4,257	4,280	4,302	4,325	4,348	4,370	4,659	4,948	5,237	5,526	5,498	5,619	5,739	5,860	5,980	6,101	6,249	6,398	6,546	6,695	6,843
<b>TOTAL</b>	<b>92,306</b>	<b>93,835</b>	<b>95,160</b>	<b>99,048</b>	<b>102,935</b>	<b>106,823</b>	<b>110,711</b>	<b>114,598</b>	<b>119,611</b>	<b>124,623</b>	<b>129,636</b>	<b>134,648</b>	<b>139,658</b>	<b>144,445</b>	<b>149,231</b>	<b>154,017</b>	<b>158,804</b>	<b>163,590</b>	<b>168,028</b>	<b>172,466</b>	<b>176,903</b>	<b>181,341</b>	<b>185,779</b>