

Central Pierce Acute Care Bed Need  
Appendix 1

<b>1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	1,185,296	1,216,945	1,231,384	1,260,919	1,309,677	1,361,082	1,370,268	1,387,558	1,403,345	1,439,081	<b>13,165,555</b>
<b>Central Pierce</b>	150,883	155,063	166,552	173,306	173,431	179,710	175,942	175,089	179,809	184,191	<b>1,713,976</b>
<b>STATEWIDE TOTAL</b>	<b>1,851,706</b>	<b>1,895,198</b>	<b>1,891,585</b>	<b>1,954,098</b>	<b>2,034,921</b>	<b>2,120,316</b>	<b>2,121,795</b>	<b>2,143,447</b>	<b>2,158,760</b>	<b>2,227,692</b>	<b>20,399,518</b>

Central Pierce Acute Care Bed Need  
Appendix 2

<b>1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	1,185,296	1,216,945	1,231,384	1,260,919	1,309,677	1,361,082	1,370,268	1,387,558	1,403,345	1,439,081	<b>13,165,555</b>
<b>Central Pierce</b>	150,883	155,063	166,552	173,306	173,431	179,710	175,942	175,089	179,809	184,191	<b>1,713,976</b>
<b>STATEWIDE TOTAL</b>	<b>1,851,706</b>	<b>1,895,198</b>	<b>1,891,585</b>	<b>1,954,098</b>	<b>2,034,921</b>	<b>2,120,316</b>	<b>2,121,795</b>	<b>2,143,447</b>	<b>2,158,760</b>	<b>2,227,692</b>	<b>20,399,518</b>
<b>1996-2005 HSA TOTAL NUMBER OF PSYCHIATRIC PATIENT DAYS</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	91	81	568	485	412	578	553	810	615	635	<b>4,828</b>
<b>Central Pierce</b>	0	0	0	0	0	0	234	428	317	253	<b>1,232</b>
<b>STATEWIDE TOTAL</b>	<b>132</b>	<b>107</b>	<b>688</b>	<b>543</b>	<b>456</b>	<b>610</b>	<b>589</b>	<b>985</b>	<b>719</b>	<b>711</b>	<b>5,540</b>
<b>HSA #1 Hospitals include: BHC Fairfax in Kirkland, West Seattle Psych Hospital in Seattle, and Puget Sound Behavioral Health in Tacoma</b>											
<b>1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS MINUS PSYCH DAYS</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	1,185,205	1,216,864	1,230,816	1,260,434	1,309,265	1,360,504	1,369,715	1,386,748	1,402,730	1,438,446	<b>13,160,727</b>
<b>Central Pierce</b>	150,883	155,063	166,552	173,306	173,431	179,710	175,708	174,661	179,492	183,938	<b>1,712,744</b>
<b>STATEWIDE TOTAL</b>	<b>1,851,574</b>	<b>1,895,091</b>	<b>1,890,897</b>	<b>1,953,555</b>	<b>2,034,465</b>	<b>2,119,706</b>	<b>2,121,206</b>	<b>2,142,462</b>	<b>2,158,041</b>	<b>2,226,981</b>	<b>20,393,978</b>

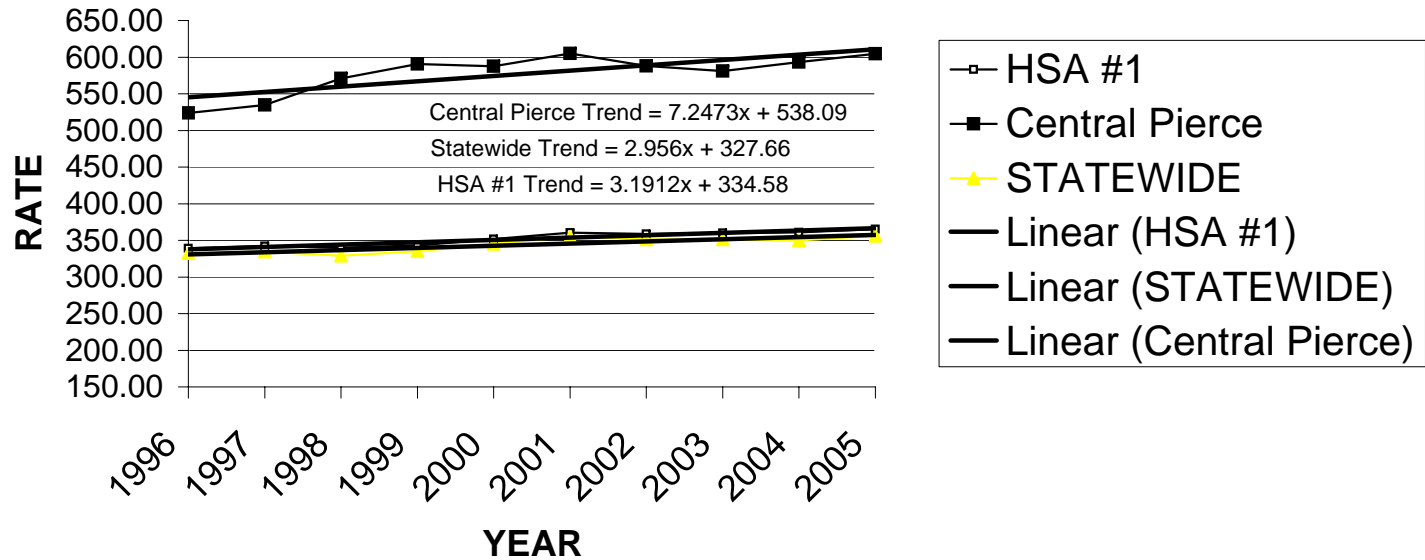
Central Pierce Acute Care Bed Need  
Appendix 3

<b>1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS MINUS PSYCH DAYS</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	1,185,205	1,216,864	1,230,816	1,260,434	1,309,265	1,360,504	1,369,715	1,386,748	1,402,730	1,438,446	<b>13,160,727</b>
<b>Central Pierce</b>	150,883	155,063	166,552	173,306	173,431	179,710	175,708	174,661	179,492	183,938	<b>1,712,744</b>
<b>STATEWIDE TOTAL</b>	<b>1,851,574</b>	<b>1,895,091</b>	<b>1,890,897</b>	<b>1,953,555</b>	<b>2,034,465</b>	<b>2,119,706</b>	<b>2,121,206</b>	<b>2,142,462</b>	<b>2,158,041</b>	<b>2,226,981</b>	<b>14,873,471</b>
<b>TOTAL POPULATIONS BY HSA</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	3,496,634	3,558,002	3,620,228	3,673,734	3,721,775	3,776,110	3,818,510	3,849,500	3,885,500	3,938,000	<b>37,337,993</b>
<b>Central Pierce</b>	288,112	289,878	291,656	293,444	295,243	297,042	298,852	300,674	302,506	304,239	<b>2,961,646</b>
<b>STATEWIDE TOTAL</b>	<b>5,567,764</b>	<b>5,663,763</b>	<b>5,750,033</b>	<b>5,830,835</b>	<b>5,894,143</b>	<b>5,974,910</b>	<b>6,041,710</b>	<b>6,098,300</b>	<b>6,167,800</b>	<b>6,256,400</b>	<b>59,245,658</b>
<b>USE RATE PER 1,000 BY HSA</b>											
	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	338.96	342.01	339.98	343.09	351.79	360.29	358.70	360.24	361.02	365.27	<b>3,521</b>
<b>Central Pierce</b>	523.70	534.93	571.06	590.59	587.42	605.00	587.94	580.90	593.35	604.58	<b>5,779</b>
<b>STATEWIDE</b>	<b>332.55</b>	<b>334.60</b>	<b>328.85</b>	<b>335.04</b>	<b>345.17</b>	<b>354.77</b>	<b>351.09</b>	<b>351.32</b>	<b>349.89</b>	<b>355.95</b>	<b>3,439</b>

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Appendix 4

USE RATE PER 1,000 BY HSA											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
<b>HSA #1</b>	338.96	342.01	339.98	343.09	351.79	360.29	358.70	360.24	361.02	365.27	<b>3,521.35</b>
<b>Central Pierce</b>	523.70	534.93	571.06	590.59	587.42	605.00	587.94	580.90	593.35	604.58	<b>5,779.46</b>
<b>STATEWIDE</b>	332.55	334.60	328.85	335.04	345.17	354.77	351.09	351.32	349.89	355.95	<b>3,439.23</b>

## USE RATES FOR HSA #1 AND CENTRAL PIERCE PLANNING AREA



Central Pierce Acute Care Bed Need  
 Appendices 5 & 6

STEP #5						
2005 DATA						
	# of Pat days	Less OOS	TOTAL LESS OOS			
<b>Central Pierce Hospitals</b>				%		
0-64	119,790	710	<b>119,080</b>	0.59%		
65+	64,401	522	<b>63,879</b>	0.81%		
<b>TOTAL</b>	<b>184,191</b>	<b>1,232</b>	<b>182,959</b>			
<b>WA - SC</b>						
0-64	1,202,147	69,255	<b>1,132,892</b>	5.76%		
65+	840,643	37,772	<b>802,871</b>	4.49%		
<b>TOTAL</b>	<b>2,042,790</b>	<b>107,027</b>	<b>1,935,763</b>			
	<b>TO Central Pierce</b>	<b>TO WA - CP</b>			<b>TOTAL # OF DAYS FOR RESIDENTS BY HSA</b>	<b>ADD DAYS PROVIDED IN OREGON</b>
<b>FROM Central Pierce</b>					<b>(LESS PATS FROM OOS)</b>	<b>OREGON</b>
0-64	55,207	17,432			72,639	176
65+	38,561	8,107			46,668	63
<b>TOTAL</b>	<b>93,768</b>	<b>25,539</b>			<b>119,307</b>	<b>239</b>
<b>FROM WA - CS</b>						
0-64	63,873	1,115,460			1,179,333	46,132
65+	25,318	794,764			820,082	18,918
<b>TOTAL</b>	<b>89,191</b>	<b>1,910,224</b>			<b>1,999,415</b>	<b>65,050</b>
	<b>182,959</b>	<b>1,935,763</b>				
<b>MARKET SHARE</b>						
<b>PERCENTAGE OF PATIENT DAYS</b>						
	<b>TO Central Pierce</b>	<b>TO WA - CP</b>	<b>TO OREGON</b>			
<b>% OF Central Pierce RESIDENTS</b>						
0-64	75.82%	23.94%	0.24%			
65+	82.52%	17.35%	0.13%			
<b>TOTAL</b>						
<b>% OF WA - CP RESIDENTS</b>						
0-64	5.21%	91.02%	3.76%			
65+	3.02%	94.73%	2.25%			
<b>TOTAL</b>						
<b>2005 POPULATIONS BY PLANNING AREA</b>						
	<b>Central Pierce</b>	<b>WA - CP</b>				
0-64	267,484	5,273,401				
65+	36,755	678,760				
<b>TOTAL</b>	<b>304,239</b>	<b>5,952,161</b>				
<b>STEP #6</b>						
<b>USE RATE BY PLANNING AREA</b>						
	<b>Central Pierce</b>	<b>WA - CP</b>				
<b>USE RATES</b>						
0-64	272.22	232.39				
65+	1,271.42	1,236.08				

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Appendix 7A

USE RATE BY PLANNING AREA FROM STEP 6							
	<b>Central Pierce</b>						
YEAR 2005 USE RATES							
0-64	272.22						
65+	1,271.42						
PROJECTED POPULATION	Using Revised Central Pierce Projections						
YEAR 2010	<b>Central Pierce</b>						
0-64	274,231						
65+	41,172						
<b>TOTALS</b>	<b>315,403</b>						
PROJECTED 2010 USE RATE							
	<b>Central Pierce</b>						
USE RATES*							
0-64 using Area Trend	308.46						
0-64 using Statewide Trend	<b>287.00</b>						
65+ using Area Trend	1,307.66						
65+ using Statewide Trend	<b>1,286.20</b>						
*Projected by applying either planning area trend or Statewide trend, whichever trend would result in the smaller adjustment							
<b>Bold Print</b> indicates use rate closest to current value							

Central Pierce Acute Care Bed Need  
Appendix 8

USE RATE BY HSA FROM STEP 7A	
	<b>Central Pierce</b>
USE RATES	
0-64	287.00
65+	1,286.20
PROJECTED POPULATION	
YEAR 2010	<b>Central Pierce</b>
0-64	274,231
65+	41,172
<b>TOTALS</b>	<b>315,403</b>
PROJECTED # OF PATIENT DAYS	
YEAR 2010	<b>Central Pierce</b>
0-64	78,705
65+	52,955
<b>TOTALS</b>	<b>131,660</b>

Central Pierce Acute Care Bed Need  
Appendix 9

PROJECTED # OF PATIENT DAYS				
YEAR 2010	<b>Central Pierce</b>	<b>WA - CP</b>	<b>TOTAL</b>	
0-64	78,705	1,373,549	1,452,254	
65+	52,955	953,596	1,006,551	
<b>TOTALS</b>	<b>131,660</b>	<b>2,327,145</b>	<b>2,458,805</b>	
<b>MARKET SHARE % OF PATIENT DAYS FROM STEP 1</b>				
% OF Central Pierce RESIDENTS	<b>Central Pierce</b>	<b>WA - CP</b>	<b>TO OREGON</b>	
0-64	75.82%	23.94%	0.24%	
65+	82.52%	17.35%	0.13%	
% OF WA - SC RESIDENTS	<b>Central Pierce</b>	<b>WA - CP</b>	<b>TO OREGON</b>	
0-64	5.21%	91.02%	3.76%	
65+	3.02%	94.73%	2.25%	
# OF Central Pierce RESIDENTS	<b>Central Pierce</b>	<b>WA - CP</b>	<b>TO OREGON</b>	<b>Total</b>
0-64	59,673	18,842	190	78,705
65+	43,697	9,187	71	52,955
				131,660
# OF WA - SC RESIDENTS	<b>Central Pierce</b>	<b>WA - CP</b>	<b>TO OREGON</b>	<b>Total</b>
0-64	71,591	1,250,251	51,707	1,373,549
65+	28,776	903,318	21,502	953,596
				2,327,145
# OF RESIDENT PAT DAYS PROJECTED IN Central Pierce				
0-64	131,264			
65+	72,473			
# OF RESIDENT PAT DAYS PROJECTED IN WA - CP				
0-64	1,269,093			
65+	912,504			
# OF WA RESIDENT PAT DAYS PROJECTED IN OREGON				
0-64	51,897			
65+	21,573			
<b>OUT OF STATE % OF PATIENT DAYS FROM STEP 1</b>				
<b>Central Pierce</b>	%			
0-64	0.60%			
65+	0.82%			
<b>WA - CP</b>				
0-64	6.11%			
65+	4.70%			
PROJECTED # OF PATIENT DAYS 2007 PLUS OUT OF STATE RESIDENTS				
<b>Central Pierce</b>				
0-64	132,047	1,677,744		
65+	73,065	1,379,756		
<b>TOTAL</b>	<b>205,112</b>			

Central Pierce Acute Care Bed Need - No Change  
Appendix 10a

	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Central Pierce Planning Area</b>									
<b>Population 0-64(1)</b>	267,484	268,833	270,178	271,517	272,851	274,231	276,748	279,288	281,852
<b>0-64 Use Rate</b>	272.22	275.18	278.13	281.09	284.05	287.00	289.96	292.91	295.87
<b>Population 65+(1)</b>	36,755	37,638	38,543	39,469	40,418	41,172	43,021	44,953	46,972
<b>65+ Use Rate</b>	1,271.42	1274.37	1277.33	1280.29	1283.24	1286.20	1289.15	1292.11	1295.07
<b>Total Population</b>	304,239	306,471	308,721	310,986	313,269	315,403	319,769	324,241	328,824
<b>Total Central Pierce Res Days</b>	119,546	121,942	124,378	126,852	129,368	131,660	135,706	139,892	144,223
<b>Total Days in Central Pierce Hospitals (2)</b>	186,642	190,294	194,004	197,768	201,591	205,112	211,153	217,394	223,843
<b>Available Beds(3)</b>									
<b>Mary Bridge</b>	67	67	67	67	67	67	67	67	67
<b>Tacoma General</b>	389	389	389	389	389	389	389	389	389
<b>St. Joseph</b>	304	304	304	304	304	304	304	304	304
<b>St. Anthony</b>	80	80	80	80	80	80	80	80	80
<b>Total</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>840</b>
<b>Wtd Occ Std(4)</b>	72.38%	72.38%	72.38%	72.38%	72.38%	72.38%	72.38%	72.38%	72.38%
<b>Gross Bed Need</b>	<b>706.53</b>	<b>720.35</b>	<b>734.39</b>	<b>748.64</b>	<b>763.12</b>	<b>776.44</b>	<b>799.31</b>	<b>822.94</b>	<b>847.35</b>
<b>Net Bed Need/Surplus</b>	<b>-133.47</b>	<b>-119.65</b>	<b>-105.61</b>	<b>-91.36</b>	<b>-76.88</b>	<b>-63.56</b>	<b>-40.69</b>	<b>-17.06</b>	<b>7.35</b>
<b>(1) Source: Applicant</b>									
<b>(2) Adjusted to reflect referral patterns into and out of Central Pierce Planning Area to other planning areas and Oregon</b>									
<b>(3) Source: FSL and OHPDS Data</b>									
<b>(4) Calculated per 1987 Washington State Health Plan as the sum , across all hospitals in the planning area, of each hospital's occupancy rate times that hospital's percentage of total beds in the area</b>									

Central Pierce Acute Care Bed Need - With Regional  
Appendix 10b

	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Central Pierce Planning Area</b>									
<b>Population 0-64(1)</b>	267,484	268,833	270,178	271,517	272,851	274,231	276,748	279,288	281,852
<b>0-64 Use Rate</b>	272.22	275.18	278.13	281.09	284.05	287.00	289.96	292.91	295.87
<b>Population 65+(1)</b>	36,755	37,638	38,543	39,469	40,418	41,172	43,021	44,953	46,972
<b>65+ Use Rate</b>	1,271.42	1274.37	1277.33	1280.29	1283.24	1286.20	1289.15	1292.11	1295.07
<b>Total Population</b>	304,239	306,471	308,721	310,986	313,269	315,403	319,769	324,241	328,824
<b>Total Central Pierce Res Days</b>	119,546	121,942	124,378	126,852	129,368	131,660	135,706	139,892	144,223
<b>Total Days in Central Pierce Hospitals (2)</b>	186,642	190,294	194,004	197,768	201,591	205,112	211,153	217,394	223,843
<b>Available Beds(3)</b>									
<b>Mary Bridge</b>	67	67	67	67	67	67	67	67	67
<b>Tacoma General</b>	389	389	389	389	389	389	389	389	389
<b>St. Joseph</b>	304	304	304	304	304	304	304	304	304
<b>St. Anthony</b>	80	80	80	80	80	80	80	80	80
<b>Proposed Regional</b>	0	0	0	25	25	25	25	25	25
<b>Total</b>	<b>840</b>	<b>840</b>	<b>840</b>	<b>865</b>	<b>865</b>	<b>865</b>	<b>865</b>	<b>865</b>	<b>865</b>
<b>Wtd Occ Std(4)</b>	72.38%	72.38%	72.38%	71.73%	71.73%	71.73%	71.73%	71.73%	71.73%
<b>Gross Bed Need</b>	<b>706.53</b>	<b>720.35</b>	<b>734.39</b>	<b>755.39</b>	<b>770.00</b>	<b>783.44</b>	<b>806.52</b>	<b>830.35</b>	<b>854.99</b>
<b>Net Bed Need/Surplus</b>	<b>-133.47</b>	<b>-119.65</b>	<b>-105.61</b>	<b>-109.61</b>	<b>-95.00</b>	<b>-81.56</b>	<b>-58.48</b>	<b>-34.65</b>	<b>-10.01</b>
<b>(1) Source: Applicant</b>									
<b>(2) Adjusted to reflect referral patterns into and out of Central Pierce Planning Area to other planning areas and Oregon</b>									
<b>(3) Source: FSL and OHPDS Data</b>									
<b>(4) Calculated per 1987 Washington State Health Plan as the sum , across all hospitals in the planning area, of each hospital's occupancy rate times that hospital's percentage of total beds in the area</b>									