

Corrected Central Pierce Acute Care Bed Need
Appendix 1

1999-2008 HSA TOTAL NUMBER OF RESIDENT PATIENT DAYS											
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	10-YEAR TOTAL
HSA #1	1,004,059	1,116,008	1,162,777	1,173,852	1,185,068	1,194,260	1,223,414	1,235,319	1,282,804	1,328,827	11,906,388
Central Pierce *	173,306	173,431	179,710	176,109	175,089	179,809	184,191	186,778	190,953	198,583	1,817,959
STATEWIDE TOTAL	1,654,631	1,797,558	1,875,612	1,878,385	1,891,439	1,906,739	1,969,331	2,007,868	2,068,766	2,135,745	19,186,074
* Application methodology figures											
1998-2008 CHARS wo all MDC19 and MDC15.xlsx											

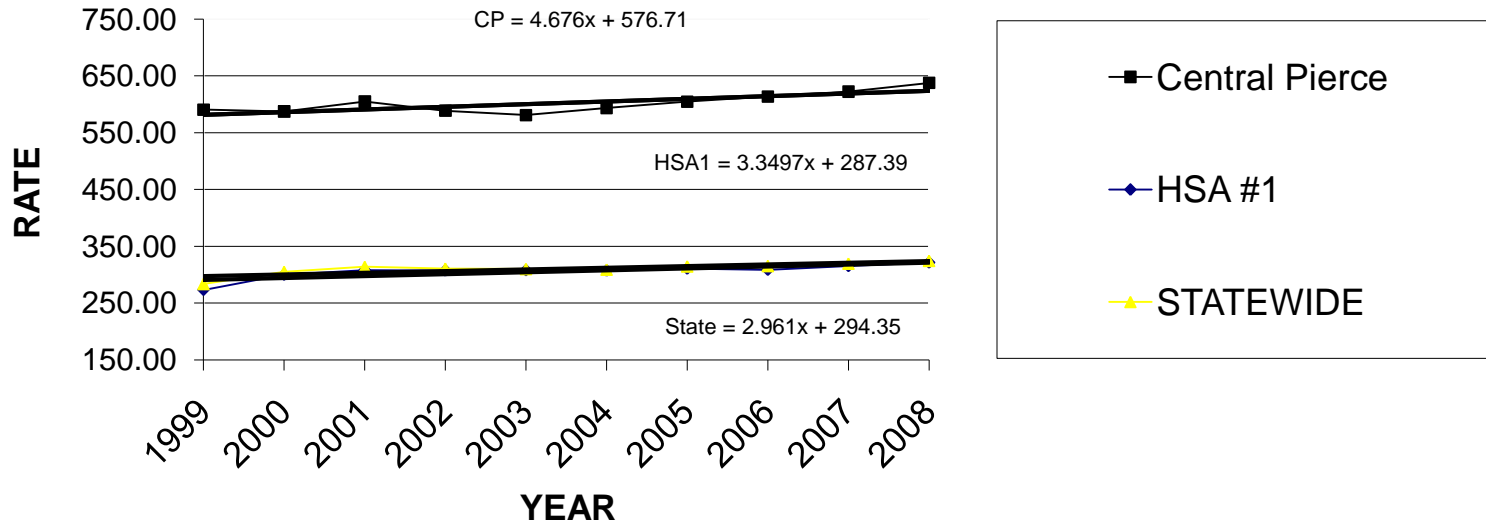
Corrected Central Pierce Acute Care Bed Need
Appendix 2

1999-2008 HSA TOTAL NUMBER OF RESIDENT PATIENT DAYS											
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	10-YEAR TOTAL
HSA #1	1,004,059	1,116,008	1,162,777	1,173,852	1,185,068	1,194,260	1,223,414	1,235,319	1,282,804	1,328,827	11,906,388
Central Pierce	173,306	173,431	179,710	176,109	175,089	179,809	184,191	186,778	190,953	198,583	1,817,959
STATEWIDE TOTAL	1,654,631	1,797,558	1,875,612	1,878,385	1,891,439	1,906,739	1,969,331	2,007,868	2,068,766	2,135,745	19,186,074
1999-2008 HSA TOTAL NUMBER OF PSYCHIATRIC PATIENT DAYS											
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	10-YEAR TOTAL
HSA #1	485	407	502	492	741	717	662	616	805	1067	6,494
Central Pierce *	0	0	0	155	428	317	253	0	0	0	1,153
STATEWIDE TOTAL	530	451	608	530	970	898	799	716	954	1,152	7,608
* Application methodology figures											
1999-2008 HSA TOTAL NUMBER OF PATIENT DAYS MINUS PSYCH DAYS											
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	10-YEAR TOTAL
HSA #1	1,003,574	1,115,601	1,162,275	1,173,360	1,184,327	1,193,543	1,222,752	1,234,703	1,281,999	1,327,760	11,899,894
Central Pierce	173,306	173,431	179,710	175,954	174,661	179,492	183,938	186,778	190,953	198,583	1,816,806
STATEWIDE TOTAL	1,654,101	1,797,107	1,875,004	1,877,855	1,890,469	1,905,841	1,968,532	2,007,152	2,067,812	2,134,593	19,178,466

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Appendix 4

USE RATE PER 1,000 BY HSA												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	10-YEAR TOTAL	Trendline
HSA #1	273.18	299.75	307.80	307.28	307.66	307.18	310.50	308.44	315.13	321.24	3,058.16	3.3497
Central Pierce	590.59	587.42	605.00	588.77	580.90	593.35	604.58	613.63	622.30	637.74	6,024.28	4.6760
STATEWIDE	283.68	304.90	313.81	310.82	310.00	309.00	314.64	315.41	319.56	324.51	3,106.33	2.9610

USE RATES FOR HSA #1 AND CENTRAL PIERCE PLANNING AREA



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Appendices 5 & 6

STEP #5						
2008 DATA						
	# of Pat days	Less OOS	TOTAL LESS OOS			
Central Pierce Hospitals				%		
0-64	110,652	1,039	109,613	0.94%		
65+	67,913	652	67,261	0.96%		
TOTAL	178,565	1,691	176,874			
WA - CP						
0-64	1,185,491	62,253	1,123,238	5.25%		
65+	871,101	35,468	835,633	4.07%		
TOTAL	2,056,592	97,721	1,958,871			
	TO CP Hosp.	TO WA		TOTAL # OF DAYS FOR RESIDENTS BY HSA (LESS PATS FROM OOS)	ADD DAYS PROVIDED IN OREGON **	TOTAL # OF DAYS FOR RESIDENTS BY HSA
FROM Central Pierce						
0-64	52,073	20,558		72,631	234	72,865
65+	38,820	9,573		48,393	41	48,434
TOTAL	90,893	30,131		121,024	275	121,299
FROM WA - CP						
0-64	57,540	1,102,680		1,160,220	39,594	1,199,814
65+	28,441	826,060		854,501	14,948	869,449
TOTAL	85,981	1,928,740		2,014,721	54,542	2,069,263
	176,874	1,958,871				
** Patient Days as reported by Applicant						
//						
MARKET SHARE						
PERCENTAGE OF PATIENT DAYS						
	TO Central Pierce	TO WA - CP	TO OREGON			
% OF Central Pierce RESIDENTS						
0-64	71.47%	28.21%	0.32%			
65+	80.15%	19.77%	0.08%			
TOTAL						
% OF WA - CP RESIDENTS						
0-64	4.80%	91.90%	3.30%			
65+	3.27%	95.01%	1.72%			
TOTAL						
//						
2008 POPULATIONS BY PLANNING AREA						
	Central Pierce	WA - CP				
0-64	271,907	5,268,978				
65+	38,008	677,507				
TOTAL	309,915	5,946,485				
//						
STEP #6						
USE RATE BY PLANNING AREA						
	Central Pierce	WA - CP				
USE RATES						
0-64	267.98	227.71				
65+	1,274.31	1,283.31				

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Appendix 7A

USE RATE BY PLANNING AREA FROM STEP 6							
	Central Pierce						
YEAR 2008 USE RATES							
0-64	267.98						
65+	1,274.31						
PROJECTED POPULATION							
YEAR 2015	Central Pierce						
0-64	280,440						
65+	46,591						
TOTALS	327,031						
PROJECTED 2015 USE RATE							
	Central Pierce						
USE RATES*							
0-64 using Area Trend	291.43						
0-64 using Statewide Trend	288.32						
65+ using Area Trend	1,297.76						
65+ using Statewide Trend	1,294.66						
*Projected by applying either planning area trend or Statewide trend, whichever trend would result in the smaller adjustment							
Bold Print indicates use rate closest to current value							

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Appendix 8

USE RATE BY HSA FROM STEP 7A	
	Central Pierce
USE RATES	
0-64	288.32
65+	1,294.66
PROJECTED POPULATION	
YEAR 2015	Central Pierce
0-64	280,440
65+	46,591
TOTALS	327,031
PROJECTED # OF PATIENT DAYS	
YEAR 2015	Central Pierce
0-64	80,857
65+	60,320
TOTALS	141,177

Corrected Central Pierce Acute Care Bed Need
Appendix 10a

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Central Pierce Planning Area										
Population 0-64(1)	271,907	273,126	274,345	275,564	276,783	278,002	279,221	280,440	281,659	282,878
0-64 Use Rate	267.98	270.88	273.79	276.70	279.60	282.51	285.42	288.32	291.23	294.14
Population 65+(1)	38,008	39,234	40,460	41,687	42,913	44,139	45,365	46,591	47,818	49,044
65+ Use Rate	1,274.31	1277.22	1280.12	1283.03	1285.94	1288.84	1291.75	1294.66	1297.56	1300.47
Total Population	309,915	312,360	314,805	317,251	319,696	322,141	324,586	327,031	329,477	331,922
Total Central Pierce Res Days	121,299	124,096	126,907	129,733	132,573	135,426	138,295	141,177	144,074	146,984
Total Days in Central Pierce Hospitals (2)	183,559	187,723	191,908	196,114	200,342	204,592	208,862	213,154	217,467	221,802
Available Beds(3)										
Mary Bridge	72	72	72	72	72	72	72	72	72	72
Tacoma General	386	386	386	386	386	386	386	386	386	386
St. Joseph	260	260	260	260	260	260	260	260	260	260
St. Anthony	80	80	80	80	80	80	80	80	80	80
Total	798	798	798	798	798	798	798	798	798	798
Wtd Occ Std(4)	70.51%	70.51%	70.51%	70.51%	70.51%	70.51%	70.51%	70.51%	70.51%	70.51%
Gross Bed Need	713.20	729.37	745.63	761.98	778.41	794.92	811.51	828.18	844.94	861.78
Net Bed Need/Surplus	-84.80	-68.63	-52.37	-36.02	-19.59	-3.08	13.51	30.18	46.94	63.78
(1) Source: Claritas										
(2) Adjusted to reflect referral patterns into and out of Central Pierce Planning Area to other planning areas and Oregon										
(3) Source: FSL and OHPDS Data										
(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										

Corrected Central Pierce Acute Care Bed Need
Appendix 10b

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Central Pierce Planning Area										
Population 0-64(1)	271,907	273,126	274,345	275,564	276,783	278,002	279,221	280,440	281,659	282,878
0-64 Use Rate	267.98	270.88	273.79	276.70	279.60	282.51	285.42	288.32	291.23	294.14
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Total Population	309,915	312,360	314,805	317,251	319,696	322,141	324,586	327,031	329,477	331,922
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Available Beds(3)										
Mary Bridge	72	72	72	72	72	72	72	72	72	72
Tacoma General	386	386	386	386	386	386	386	386	386	386
St. Joseph	260	260	260	276	276	276	276	276	276	276
St. Anthony	80	80	80	80	80	80	80	80	80	80
Total	798	798	798	814	814	814	814	814	814	814
Wtd Occ Std(4)	70.51%	70.51%	70.51%	70.50%	70.50%	70.50%	70.50%	70.50%	70.50%	70.50%
Gross Bed Need	713.20	729.37	745.63	762.09	778.52	795.03	811.62	828.30	845.06	861.91
Net Bed Need/Surplus	-84.80	-68.63	-52.37	-51.91	-35.48	-18.97	-2.38	14.30	31.06	47.91
(1) Source: Claritas										
(2) Adjusted to reflect referral patterns into and out of Central Pierce Planning Area to other planning areas and Oregon										
(3) Source: FSL and OHPDS Data										
(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										