

Southeast King Acute Care Bed Need
Appendix 1

1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	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	13,165,555
Southeast King	72,165	74,153	74,192	78,017	78,972	82,194	87,850	93,701	93,559	96,288	831,091
STATEWIDE TOTAL	1,851,706	1,895,198	1,891,585	1,954,098	2,034,921	2,120,316	2,121,795	2,143,447	2,158,760	2,227,692	20,399,518

Southeast King Acute Care Bed Need
Appendix 2

1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	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	13,165,555
Southeast King	72,165	74,153	74,192	78,017	78,972	82,194	87,850	93,701	93,559	96,288	831,091
STATEWIDE TOTAL	1,851,706	1,895,198	1,891,585	1,954,098	2,034,921	2,120,316	2,121,795	2,143,447	2,158,760	2,227,692	20,399,518
1996-2005 HSA TOTAL NUMBER OF PSYCHIATRIC PATIENT DAYS											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	91	81	568	485	412	578	553	810	615	635	4,828
Southeast King	0	0	0	0	0	0	0	0	0	0	0
STATEWIDE TOTAL	132	107	688	543	456	610	589	985	719	711	5,540
HSA #1 Hospitals include: BHC Fairfax in Kirkland, West Seattle Psych Hospital in Seattle, and Puget Sound Behavioral Health in Tacoma											
1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS MINUS PSYCH DAYS											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	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	13,160,727
Southeast King	72,165	74,153	74,192	78,017	78,972	82,194	87,850	93,701	93,559	96,288	831,091
STATEWIDE TOTAL	1,851,574	1,895,091	1,890,897	1,953,555	2,034,465	2,119,706	2,121,206	2,142,462	2,158,041	2,226,981	20,393,978

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Appendix 3

1996-2005 HSA TOTAL NUMBER OF PATIENT DAYS MINUS PSYCH DAYS											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	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	13,160,727
Southeast King	72,165	74,153	74,192	78,017	78,972	82,194	87,850	93,701	93,559	96,288	831,091
STATEWIDE TOTAL	1,851,574	1,895,091	1,890,897	1,953,555	2,034,465	2,119,706	2,121,206	2,142,462	2,158,041	2,226,981	20,393,978

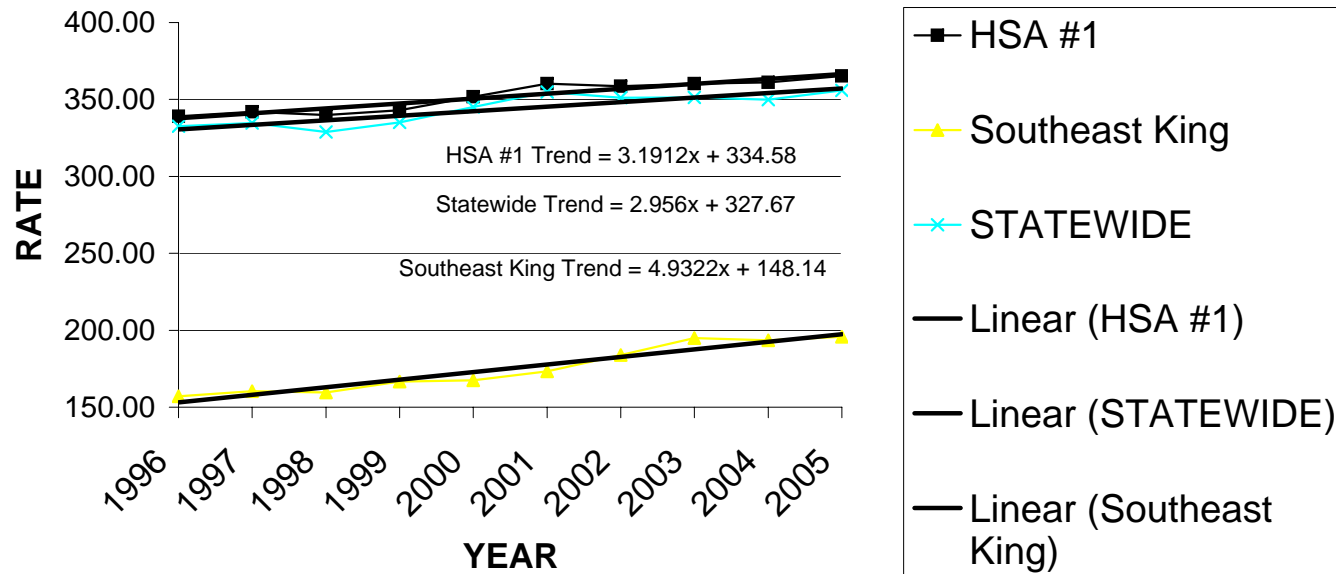
TOTAL POPULATIONS BY HSA											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	3,496,634	3,558,002	3,620,228	3,673,734	3,721,753	3,776,100	3,818,510	3,849,500	3,885,500	3,938,000	37,337,961
Southeast King	459,179	462,187	465,214	468,261	471,328	474,395	477,482	480,589	483,716	491,788	4,734,139
STATEWIDE TOTAL	5,567,764	5,663,763	5,750,033	5,830,835	5,894,121	5,974,900	6,041,710	6,098,300	6,167,800	6,256,400	59,245,626
	0.252724	0.253508	0.254402	0.256105	0.257781	0.257764	0.257255	0.25689	0.259		

USE RATE PER 1,000 BY HSA											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	338.96	342.01	339.98	343.09	351.79	360.29	358.70	360.24	361.02	365.27	3,521
Southeast King	157.16	160.44	159.48	166.61	167.55	173.26	183.99	194.97	193.42	195.79	1,753
STATEWIDE	332.55	334.60	328.85	335.04	345.17	354.77	351.09	351.32	349.89	355.95	3,439

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USE RATE PER 1,000 BY HSA											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL
HSA #1	338.96	342.01	339.98	343.09	351.79	360.29	358.70	360.24	361.02	365.27	3,521.36
Southeast King	157.16	160.44	159.48	166.61	167.55	173.26	183.99	194.97	193.42	195.79	1,752.67
STATEWIDE	332.55	334.60	328.85	335.04	345.17	354.77	351.09	351.32	349.89	355.95	3,439.23

USE RATES FOR HSA #1 AND SOUTHEAST KING PLANNING AREA



Southeast King Acute Care Bed Need
Appendices 5 & 6

STEP #5						
2005 DATA						
	# of Pat days	Less OOS	TOTAL LESS OOS			
Southeast King Hospitals						
0-64	53,697	718	52,979	1.34%		
65+	42,591	576	42,015	1.35%		
TOTAL	96,288	1,294	94,994			
WA - EK						
0-64	1,268,240	69,247	1,198,993	5.46%		
65+	862,453	37,718	824,735	4.37%		
TOTAL	2,130,693	106,965	2,023,728			
	TO Southeast King	TO WA - SEK			TOTAL # OF DAYS FOR RESIDENTS BY HSA (LESS PATS FROM OOS)	ADD DAYS PROVIDED IN OREGON
						TOTAL # OF DAYS FOR RESIDENTS BY HSA
FROM Southeast King						
0-64	38,922	63,666			102,588	310
65+	31,702	23,599			55,301	164
TOTAL	70,624	87,265			157,889	474
FROM WA - SEK						
0-64	14,057	1,135,327			1,149,384	45,790
65+	10,313	801,136			811,449	19,135
TOTAL	24,370	1,936,463			1,960,833	64,925
	94,994	2,023,728				
MARKET SHARE						
PERCENTAGE OF PATIENT DAYS						
	TO Southeast King	TO WA - SEK			TO OREGON	
% OF Southeast King RESIDENTS						
0-64	37.83%	61.87%			0.30%	
65+	57.16%	42.55%			0.30%	
TOTAL						
% OF WA - SEK RESIDENTS						
0-64	1.18%	94.99%			3.83%	
65+	1.24%	96.45%			2.30%	
TOTAL						
2005 POPULATIONS BY PLANNING AREA						
	Southeast King	WA - SEK				
0-64	448,430	5,092,455				
65+	43,358	672,157				
TOTAL	491,788	5,764,612				
STEP #6						
USE RATE BY PLANNING AREA						
	Southeast King	WA - SEK				
USE RATES						
0-64	229.46	234.70				
65+	1,279.23	1,235.70				

Southeast King Acute Care Bed Need
Appendix 7A

USE RATE BY PLANNING AREA FROM STEP 6					
	Southeast King				
YEAR 2005 USE RATES					
0-64	229.46				
65+	1,279.23				
PROJECTED POPULATION	Using Revised Southeast King Projections				
YEAR 2010	Southeast King				
0-64	454,901				
65+	52,825				
TOTALS	507,726				
PROJECTED 2007 USE RATE					
	Southeast King				
USE RATES*					
0-64 using Area Trend	254.12				
0-64 using Statewide Trend	244.29				
65+ using Area Trend	1,303.89				
65+ using Statewide Trend	1,294.01				
*Projected by applying either HSA trend or Statewide trend, whichever trend would result in the smaller adjustment					
Bold Print indicates use rate closest to current value					

Southeast King Acute Care Bed Need
Appendix 8

USE RATE BY HSA FROM STEP 7A		
	Southeast King	
USE RATES		
0-64	244.29	
65+	1,294.01	
PROJECTED POPULATION		
YEAR 2010	Southeast King	
0-64	454,901	
65+	52,825	
TOTALS	507,726	
PROJECTED # OF PATIENT DAYS		
YEAR 2010	Southeast King	
0-64	111,128	
65+	68,356	
TOTALS	179,484	

Southeast King Acute Care Bed Need
Appendix 9

PROJECTED # OF PATIENT DAYS				
YEAR 2010	Southeast King	WA - SEK	TOTAL	
0-64	111,128	1,341,126	1,452,254	
65+	68,356	938,195	1,006,551	
TOTALS	179,484	2,279,321	2,458,805	
MARKET SHARE % OF PATIENT DAYS FROM STEP 1				
% OF Southeast King RESIDENTS	Southeast King	WA - SEK	TO OREGON	
0-64	37.83%	61.87%	0.30%	
65+	57.16%	42.55%	0.30%	
% OF WA - SEK RESIDENTS	Southeast King	WA - SEK	TO OREGON	
0-64	1.18%	94.99%	3.83%	
65+	1.24%	96.45%	2.30%	
# OF Southeast King RESIDENTS	Southeast King	WA - SEK	TO OREGON	Total
0-64	42,035	68,758	335	111,128
65+	39,070	29,084	202	68,356
				179,484
# OF WA - SEK RESIDENTS	Southeast King	WA - SEK	TO OREGON	Total
0-64	15,774	1,273,970	51,382	1,341,126
65+	11,649	904,931	21,614	938,195
				2,279,321
# OF RESIDENT PAT DAYS PROJECTED IN Southeast King				
0-64	57,809			
65+	50,719			
# OF RESIDENT PAT DAYS PROJECTED IN WA - SEK				
0-64	1,342,729			
65+	934,015			
# OF WA RESIDENT PAT DAYS PROJECTED IN OREGON				
0-64	51,717			
65+	21,816			
OUT OF STATE % OF PATIENT DAYS FROM STEP 1				
Southeast King	%			
0-64	1.36%			
65+	1.37%			
WA - SEK				
0-64	5.78%			
65+	4.57%			
PROJECTED # OF PATIENT DAYS 2007 PLUS OUT OF STATE RESIDENTS				
Southeast King				
0-64	58,592	0.527249		
65+	51,415	0.752158		
TOTAL	110,007			

Southeast King Acute Care Bed Need
Appendix 10a

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Southeast King Planning Area											
Population 0-64(1)	448,430	449,724	451,018	452,313	453,607	454,901	456,787	458,673	460,558	462,444	464,330
0-64 Use Rate	229.46	232.42	235.37	238.33	241.29	244.24	247.20	250.15	253.11	256.07	259.02
Population 65+(1)	43,358	45,251	47,145	49,038	50,932	52,825	55,349	57,872	60,396	62,919	65,443
65+ Use Rate	1,279.23	1282.19	1285.15	1288.10	1291.06	1294.01	1296.97	1299.93	1302.88	1305.84	1308.79
Total Population	491,788	494,976	498,163	501,351	504,538	507,726	512,135	516,545	520,954	525,364	529,773
Total Southeast King Res Days	158,363	162,545	166,746	170,966	175,205	179,463	184,703	189,969	195,261	200,579	205,923
Total Days in Southeast King Hospitals (2)	95,971	98,751	101,544	104,348	107,166	109,995	113,529	117,081	120,649	124,234	127,837
Available Beds(3)											
Auburn	124	124	124	124	124	124	124	124	124	124	124
Enumclaw	23	23	23	23	23	23	23	23	23	23	23
St. Francis	100	100	100	100	100	100	100	100	100	100	100
Valley Medical Center	212	212	212	212	212	212	212	212	212	212	212
Total	459	459	459	459	459	459	459	459	459	459	459
Wtd Occ Std(4)	68.87%	68.87%	68.87%	68.87%	68.87%	68.87%	68.87%	68.87%	68.87%	68.87%	68.87%
Gross Bed Need	381.80	392.86	403.97	415.13	426.33	437.59	451.65	465.78	479.97	494.24	508.57
Net Bed Need/Surplus	-77.20	-66.14	-55.03	-43.87	-32.67	-21.41	-7.35	6.78	20.97	35.24	49.57
(1) Source: Applicant											
(2) Adjusted to reflect referral patterns into and out of Southeast King Planning Area to other planning areas and Oregon											
(3) Source: Provider surveys, 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											

Southeast King Acute Care Bed Need
Appendix 10b

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Southeast King Planning Area											
Population 0-64(1)	448,430	449,724	451,018	452,313	453,607	454,901	456,787	458,673	460,558	462,444	464,330
0-64 Use Rate	229.46	232.42	235.37	238.33	241.29	244.24	247.20	250.15	253.11	256.07	259.02
Population 65+(1)	43,358	45,251	47,145	49,038	50,932	52,825	55,349	57,872	60,396	62,919	65,443
65+ Use Rate	1,279.23	1282.19	1285.15	1288.10	1291.06	1294.01	1296.97	1299.93	1302.88	1305.84	1308.79
Total Population	491,788	494,976	498,163	501,351	504,538	507,726	512,135	516,545	520,954	525,364	529,773
Total Southeast King Res Days	158,363	162,545	166,746	170,966	175,205	179,463	184,703	189,969	195,261	200,579	205,923
Total Days in Southeast King Hospitals (2)	95,971	98,751	101,544	104,348	107,166	109,995	113,529	117,081	120,649	124,234	127,837
Available Beds(3)											
Auburn	124	124	124	124	124	124	124	124	124	124	124
Enumclaw	23	23	23	23	23	23	23	23	23	23	23
St. Francis	100	100	100	100	100	118	118	136	136	136	136
Valley Medical Center	212	212	212	212	212	212	212	212	212	212	212
Total	459	459	459	459	459	477	477	495	495	495	495
Wtd Occ Std(4)	68.87%	68.87%	68.87%	68.87%	68.87%	68.72%	68.72%	68.59%	68.59%	68.59%	68.59%
Gross Bed Need	381.80	392.86	403.97	415.13	426.33	438.52	452.61	467.69	481.94	496.27	510.66
Net Bed Need/Surplus	-77.20	-66.14	-55.03	-43.87	-32.67	-38.48	-24.39	-27.31	-13.06	1.27	15.66
(1) Source: Applicant											
(2) Adjusted to reflect referral patterns into and out of Southeast King Planning Area to other planning areas and Oregon											
(3) Source: Provider surveys, 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											