

Whatcom Acute Care Bed Need  
Appendix 1

<b>1999-2008 HSA TOTAL NUMBER OF RESIDENT PATIENT DAYS</b>											
	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	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	<b>11,906,388</b>
<b>Whatcom</b>	50,083	53,510	56,898	56,355	57,844	61,181	57,290	59,615	59,408	63,552	<b>575,736</b>
<b>STATEWIDE TOTAL</b>	<b>1,654,631</b>	<b>1,797,558</b>	<b>1,875,612</b>	<b>1,878,385</b>	<b>1,891,439</b>	<b>1,906,739</b>	<b>1,969,331</b>	<b>2,007,868</b>	<b>2,068,766</b>	<b>2,135,745</b>	<b>19,186,074</b>
<b>1998-2008 CHARS wo all MDC19 and MDC15.xlsx</b>											

Whatcom Acute Care Bed Need  
Appendix 2

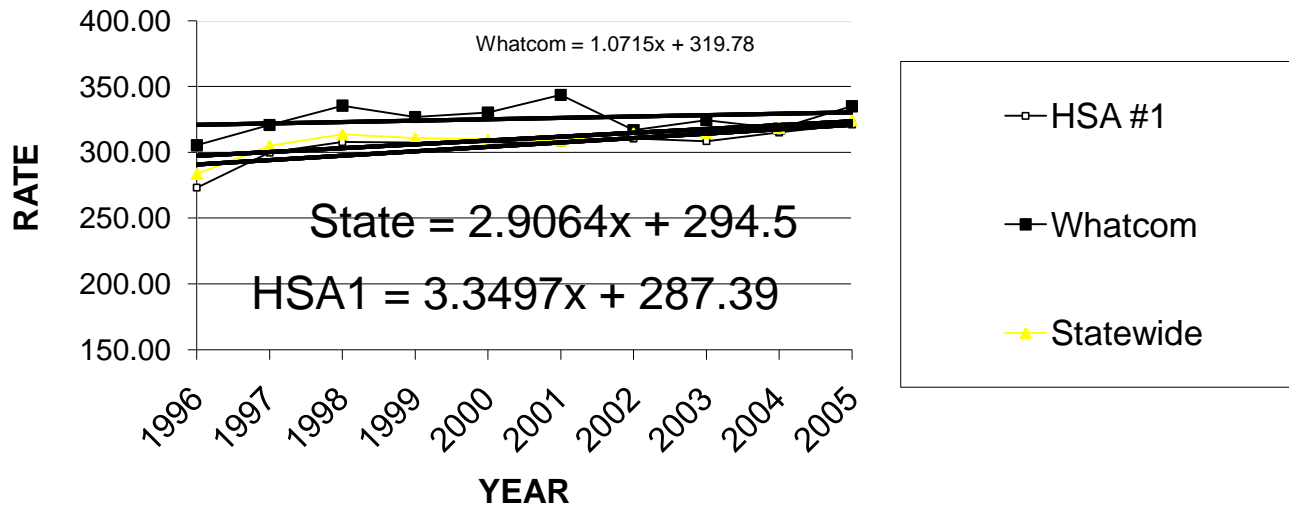
<b>1999-2008 HSA TOTAL NUMBER OF RESIDENT PATIENT DAYS</b>											
	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	1,004,059	1,116,008	1,162,777	1,173,852	1,185,068	1,194,260	1,223,414	1,235,319	1,282,804	1,328,827	<b>11,906,388</b>
<b>Whatcom</b>	50,083	53,510	56,898	56,355	57,844	61,181	57,290	59,615	59,408	63,552	<b>575,736</b>
<b>STATEWIDE TOTAL</b>	<b>1,654,631</b>	<b>1,797,558</b>	<b>1,875,612</b>	<b>1,878,385</b>	<b>1,891,439</b>	<b>1,906,739</b>	<b>1,969,331</b>	<b>2,007,868</b>	<b>2,068,766</b>	<b>2,135,745</b>	<b>19,186,074</b>
<b>1999-2008 HSA TOTAL NUMBER OF PSYCHIATRIC PATIENT DAYS</b>											
	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	485	407	502	492	741	717	662	616	805	1,067	<b>6,494</b>
<b>Whatcom</b>	0	0	0	0	0	0	0	0	0	0	<b>0</b>
<b>STATEWIDE TOTAL</b>	<b>530</b>	<b>451</b>	<b>608</b>	<b>530</b>	<b>970</b>	<b>898</b>	<b>799</b>	<b>716</b>	<b>954</b>	<b>1,152</b>	<b>7,608</b>
HSA #1 Hospitals include: BHC Fairfax in Kirkland											
<b>1999-2008 HSA TOTAL NUMBER OF PATIENT DAYS MINUS PSYCH DAYS</b>											
	<b>1999</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>10-YEAR TOTAL</b>
<b>HSA #1</b>	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	<b>11,899,894</b>
<b>Whatcom</b>	50,083	53,510	56,898	56,355	57,844	61,181	57,290	59,615	59,408	63,552	<b>575,736</b>
<b>STATEWIDE TOTAL</b>	<b>1,654,101</b>	<b>1,797,107</b>	<b>1,875,004</b>	<b>1,877,855</b>	<b>1,890,469</b>	<b>1,905,841</b>	<b>1,968,532</b>	<b>2,007,152</b>	<b>2,067,812</b>	<b>2,134,593</b>	<b>19,178,466</b>



Whatcom Acute Care Bed Need  
Appendix 4

USE RATE PER 1,000 BY HSA												
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	10-YEAR TOTAL	Trendline
<b>HSA #1</b>	273.18	299.75	307.80	307.28	307.66	307.18	310.50	308.44	315.13	321.24	<b>3,058.16</b>	3.3497
<b>Whatcom</b>	305.35	320.78	335.46	326.87	330.15	343.71	316.87	324.41	318.14	335.01	<b>3,256.75</b>	1.0715
<b>Statewide</b>	283.68	304.90	313.81	310.82	310.00	309.00	314.64	314.80	318.71	324.51	<b>3,104.87</b>	<b>2.9064</b>

### USE RATES FOR HSA #1 AND WHATCOM PLANNING AREA





Whatcom Acute Care Bed Need  
Appendix 7A

USE RATE BY PLANNING AREA FROM STEP 6							
	<b>Whatcom</b>						
YEAR 2008 USE RATES							
0-64	227.14						
65+	1,110.76						
PROJECTED POPULATION	Using Revised Whatcom Projections						
YEAR 2015	<b>Whatcom</b>						
0-64	181,335						
65+	31,711						
<b>TOTALS</b>	<b>213,046</b>						
PROJECTED 2015 USE RATE							
	<b>Whatcom</b>						
USE RATES*							
0-64 using Area Trend	243.89						
0-64 using Statewide Trend	<b>241.67</b>						
65+ using Area Trend	1,127.51						
65+ using Statewide Trend	<b>1,125.29</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							

Whatcom Acute Care Bed Need  
Appendix 8

USE RATE BY HSA FROM STEP 7A	
	<b>Whatcom</b>
USE RATES	
0-64	241.67
65+	1,125.29
PROJECTED POPULATION	
YEAR 2015	<b>Whatcom</b>
0-64	181,335
65+	31,711
<b>TOTALS</b>	<b>213,046</b>
PROJECTED # OF PATIENT DAYS	
YEAR 2015	<b>Whatcom</b>
0-64	43,824
65+	35,684
<b>TOTALS</b>	<b>79,508</b>





Whatcom Acute Care Bed Need - No Change  
Appendix 10a

	2008	2009	2010	2011	2012	2013	2014	2015		
<b>Whatcom Planning Area</b>										
<b>Population 0-64(1)</b>	166,443	168,674	170,906	172,992	175,078	177,163	179,249	181,335		
<b>0-64 Use Rate</b>	227.14	230.05	232.95	235.86	238.77	241.67	244.58	247.49		
<b>Population 65+(1)</b>	23,257	23,992	24,727	26,124	27,521	28,917	30,314	31,711		
<b>65+ Use Rate</b>	1,110.76	1113.67	1116.58	1119.48	1122.39	1125.29	1128.20	1131.11		
<b>Total Population</b>	189,700	192,666	195,633	199,116	202,598	206,081	209,563	213,046		
<b>Total Whatcom Res Days</b>	63,639	65,522	67,423	70,047	72,691	75,356	78,041	80,746		
<b>Total Days in Whatcom Hospitals (2)</b>	61,973	63,827	65,696	68,341	71,007	73,691	76,396	79,120		
<b>Available Beds(3)</b>										
<b>PeaceHealth St Jo's Main</b>	197	197	197	197	197	197	197	197		
<b>Total</b>	<b>197</b>	<b>197</b>	<b>197</b>	<b>197</b>	<b>197</b>	<b>197</b>	<b>197</b>	<b>197</b>		
<b>Wtd Occ Std(4)</b>	65.00%	65.00%	65.00%	65.00%	65.00%	65.00%	65.00%	65.00%		
<b>Gross Bed Need</b>	<b>261.22</b>	<b>269.03</b>	<b>276.91</b>	<b>288.06</b>	<b>299.29</b>	<b>310.61</b>	<b>322.01</b>	<b>333.49</b>		
<b>Net Bed Need/Surplus</b>	<b>64.22</b>	<b>72.03</b>	<b>79.91</b>	<b>91.06</b>	<b>102.29</b>	<b>113.61</b>	<b>125.01</b>	<b>136.49</b>		
<b>(1) Source: OFM</b>										
<b>(2) Adjusted to reflect referral patterns into and out of Whatcom 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>										

Whatcom Acute Care Bed Need - No Change  
Appendix 10b

	2008	2009	2010	2011	2012	2013	2014	2015		
<b>Whatcom Planning Area</b>										
<b>Population 0-64(1)</b>	166,443	168,674	170,906	172,992	175,078	177,163	179,249	181,335		
<b>0-64 Use Rate</b>	227.14	230.55	233.96	237.36	240.77	244.18	247.59	250.99		
<b>Population 65+(1)</b>	23,257	23,992	24,727	26,124	27,521	28,917	30,314	31,711		
<b>65+ Use Rate</b>	1,110.76	1114.17	1117.58	1120.98	1124.39	1127.80	1131.21	1134.61		
<b>Total Population</b>	189,700	192,666	195,633	199,116	202,598	206,081	209,563	213,046		
<b>Total Whatcom Res Days</b>	63,639	65,619	67,619	70,346	73,097	75,872	78,671	81,493		
<b>Total Days in Whatcom Hospitals (2)</b>	61,973	63,916	65,878	68,620	71,385	74,172	76,983	79,817		
<b>Available Beds(3)</b>										
<b>PeaceHealth St Jo's Main</b>	197	197	207	207	207	207	207	207		
<b>Total</b>	<b>197</b>	<b>197</b>	<b>207</b>	<b>207</b>	<b>207</b>	<b>207</b>	<b>207</b>	<b>207</b>		
<b>Wtd Occ Std(4)</b>	65.00%	65.00%	70.00%	70.00%	70.00%	70.00%	70.00%	70.00%		
<b>Gross Bed Need</b>	<b>261.22</b>	<b>269.40</b>	<b>257.84</b>	<b>268.57</b>	<b>279.39</b>	<b>290.30</b>	<b>301.30</b>	<b>312.40</b>		
<b>Net Bed Need/Surplus</b>	<b>64.22</b>	<b>72.40</b>	<b>50.84</b>	<b>61.57</b>	<b>72.39</b>	<b>83.30</b>	<b>94.30</b>	<b>105.40</b>		
<b>(1) Source: OFM</b>										
<b>(2) Adjusted to reflect referral patterns into and out of Whatcom 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>										

File: Population Forecast as of Nov 2007 USE THIS

OFM

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	164,017	166,814	169,611	172,408	175,206	178,003	180,800	183,767	186,733	189,700	192,666	195,633	199,116	202,598	206,081	209,563	213,046
0-64							2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
							159,748	161,980	164,211	166,443	168,674	170,906	172,992	175,078	177,163	179,249	181,335
65+							2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
							21,052	21,787	22,522	23,257	23,992	24,727	26,124	27,521	28,917	30,314	31,711