

Pierce County Planning Area Three
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Pierce Three		2002	2003	2004	2005	2006	2007
	98329	2	3	4	2	5	4
	98332	5	2	2	3	3	2
	98333	0	0	0	0	1	2
	98335	6	7	8	7	8	6
	98349	1	0	0	2	2	2
	98351	1	0	1	1	1	0
	98394	0	2	0	0	0	1
	TOTALS	15	14	15	15	20	17
246-310-284(4)(a)	Rate of Change		-6.67%	7.14%	0.00%	33.33%	-15.00%
	6% Growth or Greater?		FALSE	TRUE	FALSE	TRUE	FALSE
	Regression Method:	Linear					
246-310-284(4)(c)				Year 1 2008	Year 2 2009	Year 3 2010	Year 4 2011
Projected Resident Incenter Patients	from 246-310-284(4)(b)			19.50	20.60	21.70	22.80
Station Need for Patients	Divide Resident Incenter Patients by 4.8			4.0625	4.2917	4.5208	4.7500
	Rounded to next whole number			5	5	5	5
246-310-284(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations				6	6	6	6
Results of (4)(c) above			-	5	5	5	5
Net Station Need				1	1	1	1
Negative number indicates need for stations							
246-310-284(5)							
Name of Center	# of Stations	# of Patient	Utilization (Patients per Station)				
St Joseph - Gig Harbor	6	26	4.33				
	0	0					
	0	0					
	0	0					
Total	6	26					
Source: Northwest Renal Network data 2002-2007							
Most recent year-end data: 2007 year-end data as of 01/21/2008							
Most recent quarterly data as of the 1st day of application submission period: 4th quarter 2007 as of 01/21/2008							

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x	y	Linear						
2003	14	14						
2004	15	15						
2005	15	16						
2006	20	17						
2007	17	18						
2008		19.500						
2009		20.600						
2010		21.700						
2011		22.800						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.728492796							
R Square	0.530701754							
Adjusted R Square	0.374269006							
Standard Error	1.888562063							
Observations	5							
ANOVA								
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>			
Regression	1	12.1	12.1	3.392523364	0.162733109			
Residual	3	10.7	3.566666667					
Total	4	22.8						
	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	-2189.3	1197.417901	-1.828350819	0.164940719	-6000.018175	1621.418175	-6000.018175	1621.418175
X Variable 1	1.1	0.597215762	1.841880388	0.162733109	-0.800607096	3.000607096	-0.800607096	3.000607096
RESIDUAL OUTPUT								
	<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>					
	1	14	0					
	2	15.1	-0.1					
	3	16.2	-1.2					
	4	17.3	2.7					
	5	18.4	-1.4					

