

Stevens County  
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Stevens	2002	2003	2004	2005	2006	2007	
Stevens	10	15	17	18	11	15	
<b>TOTALS</b>	<b>10</b>	<b>15</b>	<b>17</b>	<b>18</b>	<b>11</b>	<b>15</b>	
<b>246-310-284(4)(a)</b>	<b>Rate of Change</b>		<b>50.00%</b>	<b>13.33%</b>	<b>5.88%</b>	<b>-38.89%</b>	<b>36.36%</b>
	<b>6% Growth or Greater?</b>		<b>TRUE</b>	<b>TRUE</b>	<b>FALSE</b>	<b>FALSE</b>	<b>TRUE</b>
	<b>Regression Method:</b>	<b>Linear</b>					
<b>246-310-284(4)(c)</b>				<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
				<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>
<b>Projected Resident Incenter Patients</b>	from 246-310-284(4)(b)			13.40	12.80	12.20	11.60
<b>Station Need for Patients</b>	<b>Divide Resident Incenter Patients by 3.2</b>			4.1875	4.0000	3.8125	3.6250
	<b>Rounded to next whole number</b>			<b>5</b>	<b>5</b>	<b>4</b>	<b>4</b>
<b>246-310-284(4)(d)</b>	subtract (4)(c) from approved stations						
<b>Existing CN Approved Stations</b>				0	0	0	0
<b>Results of (4)(c) above</b>			-	5	5	4	4
<b>Net Station Need</b>				-5	-5	-4	-4
<b>Negative number indicates need for stations</b>							
<b>246-310-284(5)</b>							
<b>Name of Center</b>	<b># of Stations</b>	<b># of Patient</b>	<b>Utilization (Patients per Station)</b>				
None	0	0	#DIV/0!				
	0	0	#DIV/0!				
	0	0	#DIV/0!				
	0	0	#DIV/0!				
<b>Total</b>	<b>0</b>	<b>0</b>					
Source: Northwest Renal Network data 2002-2007							
Most recent year-end data: 2007 year-end data as of 01/21/2007							
Most recent quarterly data: 4th quarter 2007 as of 01/21/2008							

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x	y	Linear						
2003	15	16						
2004	17	16						
2005	18	15						
2006	11	15						
2007	15	14						
2008		13.400						
2009		12.800						
2010		12.200						
2011		11.600						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.353553391							
R Square	0.125							
Adjusted R Square	-0.166666667							
Standard Error	2.898275349							
Observations	5							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	3.6	3.6	0.428571429	0.559404344			
Residual	3	25.2	8.4					
Total	4	28.8						
	<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	1218.2	1837.613311	0.662925107	0.554763777	-4629.905691	7066.305691	-4629.905691	7066.305691
X Variable 1	-0.6	0.916515139	-0.654653671	0.559404344	-3.516760217	2.316760217	-3.516760217	2.316760217
RESIDUAL OUTPUT								
	<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>					
	1	16.4	-1.4					
	2	15.8	1.2					
	3	15.2	2.8					
	4	14.6	-3.6					
	5	14	1					

