

King County Planning Area Nine  
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
King Nine (9)		2002	2003	2004	2005	2006	2007
	98055	26	27	30	28	32	28
	98056	21	16	16	22	25	23
	98058	19	21	27	38	34	25
	98059	11	14	18	18	23	21
	98178	34	29	31	36	37	37
<b>TOTALS</b>		<b>111</b>	<b>107</b>	<b>122</b>	<b>142</b>	<b>151</b>	<b>134</b>
<b>246-310-284(4)(a)</b>	Rate of Change		-3.60%	14.02%	16.39%	6.34%	-11.26%
	6% Growth or Greater?		FALSE	TRUE	TRUE	TRUE	FALSE
	Regression Method:	Linear					
<b>246-310-284(4)(c)</b>				Year 1 2008	Year 2 2009	Year 3 2010	Year 4 2011
Projected Resident Incenter Patients	from 246-310-284(4)(b)			156.80	165.00	173.20	<b>181.40</b>
Station Need for Patients	Divide Resident Incenter Patients by 4.8			32.6667	34.3750	36.0833	<b>37.7917</b>
	Rounded to next whole number			<b>33</b>	<b>35</b>	<b>37</b>	<b>38</b>
<b>246-310-284(4)(d)</b>	subtract (4)(c) from approved stations						
Existing CN Approved Stations				28	28	28	<b>28</b>
Results of (4)(c) above			-	33	35	37	<b>38</b>
Net Station Need				-5	-7	-9	<b>-10</b>
Negative number indicates need for stations							
<b>246-310-284(5)</b>							
Name of Center	# of Stations	# of Patient Utilization (Patients per Station)					
NKC Mt. Rainier	28	121 4.32					
<b>Total</b>	<b>28</b>	<b>121</b>					
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	108	116						
2004	123	124						
2005	143	132						
2006	153	140						
2007	134	149						
2008		156.80						
2009		165.00						
2010		173.20						
2011		181.40						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.741542655							
R Square	0.549885509							
Adjusted R Square	0.399847345							
Standard Error	13.54498677							
Observations	5							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	672.4	672.4	3.66497093	0.151467318			
Residual	3	550.4	183.4666667					
Total	4	1222.8						
	<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	-16308.8	8588.020456	-1.899017368	0.153780419	-43639.71397	11022.11397	-43639.71397	11022.11397
X Variable 1	8.2	4.283300908	1.91441138	0.151467318	-5.431375147	21.83137515	-5.431375147	21.83137515
RESIDUAL OUTPUT								
	<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>					
	1	115.8	-7.8					
	2	124	-1					
	3	132.2	10.8					
	4	140.4	12.6					
	5	148.6	-14.6					

