

King County Planning Area Nine  
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
King Nine (9)		2001	2002	2003	2004	2005	2006
	98055	18	26	27	30	28	32
	98056	14	21	16	16	22	25
	98058	19	19	21	27	38	34
	98059	12	11	14	18	18	23
	98178	34	34	29	31	36	37
<b>TOTALS</b>		<b>97</b>	<b>111</b>	<b>107</b>	<b>122</b>	<b>142</b>	<b>151</b>
<b>246-310-284(4)(a)</b>	Rate of Change		14.43%	-3.60%	14.02%	16.39%	6.34%
	6% Growth or Greater?		TRUE	FALSE	TRUE	TRUE	TRUE
	Regression Method:	Linear					
<b>246-310-284(4)(c)</b>				Year 1 2007	Year 2 2008	Year 3 2009	Year 4 2010
Projected Resident Incenter Patients	from 246-310-284(4)(b)			162.500	174.000	185.500	197.000
Station Need for Patients	Divide Resident Incenter Patients by 4.8			33.8542	36.2500	38.6458	41.0417
	Rounded to next whole number			34	37	39	42
<b>246-310-284(4)(d)</b>	subtract (4)(c) from approved stations						
Existing CN Approved Stations				22	22	22	22
Results of (4)(c) above			-	34	37	39	42
Net Station Need				-12	-15	-17	-20
Negative number indicates need for stations							
<b>246-310-284(5)</b>							
Name of Center	# of Stations	# of Patients	Utilization (Patients per Station)				
NKC Mt. Rainier	22	124	5.64				
<b>Total</b>	<b>22</b>	<b>124</b>					
Source: Northwest Renal Network data 2001-2006							
Most recent year-end data: 2006 year-end data as of 01/20/2007							
Most recent quarterly data as of the 1st day of application submission period: 4th quarter 2006 as of 01/20/2007							

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x	y	Linear						
2002	113	105						
2003	108	117						
2004	123	128						
2005	143	140						
2006	153	151						
2007		162.500						
2008		174.000						
2009		185.500						
2010		197.000						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.938971068							
R Square	0.881666667							
Adjusted R Square	0.842222222							
Standard Error	7.691987173							
Observations	5							
ANOVA								
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>			
Regression	1	1322.5	1322.5	22.35211268	0.017931697			
Residual	3	177.5	59.16666667					
Total	4	1500						
	<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	-22918	4874.570733	-4.701542198	0.018204672	-38431.05962	-7404.94038	-38431.05962	-7404.940382
X Variable 1	11.5	2.43241992	4.727802098	0.017931697	3.758954214	19.24104579	3.758954214	19.24104579
RESIDUAL OUTPUT								
	<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>					
	1	771.4	-1.399999998					
	2	844.1	4.900000001					
	3	916.8	1.2					
	4	989.5	-11.5					
	5	1062.2	6.799999998					

