

Douglas County  
ESRD Need Projection Methodology

	Planning Area	6 Year Utilization Data - Resident Incenter Patients					
		2001	2002	2003	2004	2005	2006
	Douglas	13	14	15	19	26	30
	<b>TOTALS</b>	13	14	15	19	26	30
<b>246-310-284(4)(a)</b>	Rate of Change		7.69%	7.14%	26.67%	36.84%	15.38%
	6% Growth or Greater?		TRUE	TRUE	TRUE	TRUE	TRUE
	Regression Method:	Non-Linear					
<b>246-310-284(4)(c)</b>				Year 1	Year 2	Year 3	<b>Year 4</b>
				2007	2008	2009	<b>2010</b>
Projected Resident Incenter Patients	from 246-310-284(4)(b)			37	45	56	<b>69</b>
Station Need for Patients	Divide Resident Incenter Patients by 3.2			11.563	14.063	17.500	<b>21.563</b>
	Rounded to next whole number			<b>12</b>	<b>15</b>	<b>18</b>	<b>22</b>
<b>246-310-284(4)(d)</b>	subtract (4)(c) from approved stations						
Existing CN Approved Stations				0	0	0	<b>0</b>
Results of (4)(c)above				12	15	18	<b>22</b>
Net Station Need				-12	-15	-18	<b>-22</b>
Negative number indicates need for stations							
<b>246-310-284(5)</b>							
Name of Center	# of Stations	# of Patients	Utilization (Patients per Station)				
None	0	0	#DIV/0!				
Total	0	0					
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	14	12						
2003	15	17						
2004	19	21						
2005	26	25						
2006	30	29						
2007		34						
2008		38						
2009		42						
2010		47						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.974257997							
R Square	0.949178645							
Adjusted R Square	0.932238193							
Standard Error	1.816590212							
Observations	5							
ANOVA								
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>			
Regression	1	184.9	184.9	56.03030303	0.004938707			
Residual	3	9.9	3.3					
Total	4	194.8						
	<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	-8596.4	1151.210641	-7.467269406	0.004973173	-12260.06605	-4932.73395	-12260.06605	-4932.733949
X Variable 1	4.3	0.574456265	7.485339206	0.004938707	2.471823783	6.128176217	2.471823783	6.128176217
RESIDUAL OUTPUT								
	<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>					
	1	12.2	1.8					
	2	16.5	-1.5					
	3	20.8	-1.8					
	4	25.1	0.9					
	5	29.4	0.6					

