

Benton County
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Benton		2001	2002	2003	2004	2005	2006
Benton County		63	56	73	93	108	128
TOTALS		63	56	73	93	108	128
246-310-284(4)(a)	Rate of Change		-11.11%	30.36%	27.40%	16.13%	18.52%
	6% Growth or Greater?		FALSE	TRUE	TRUE	TRUE	TRUE
	Regression Method:	Linear					
246-310-284(4)(c)				Year 1 2007	Year 2 2008	Year 3 2009	Year 4 2010
Projected Resident Incenter Patients	from 246-310-284(4)(b)			145.3	163.2	181.1	199
Station Need for Patients	Divide Resident Incenter Patients by 4.8			30.271	34.000	37.729	41.458
	Rounded to next whole number			31	34	38	42
246-310-284(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations				13	13	13	13
Results of (4)(c) above			-	31	34	38	42
Net Station Need				-18	-21	-25	-29
Negative number indicates need for stations							
246-310-284(5)							
Name of Center	# of Stations	# of Patients	Utilization (Patients per Station)				
Tri-Cities KC	13	73	5.62				
	0	0	#DIV/0!				
	0	0	#DIV/0!				
	0	0	#DIV/0!				
Total	13	73					
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: 3rd quarter 2007 as of 10/31//2007							

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x	y	Linear						
2002	56	56						
2003	73	74						
2004	93	92						
2005	108	110						
2006	128	127						
2007		145						
2008		163						
2009		181						
2010		199						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.999205094							
R Square	0.998410819							
Adjusted R Square	0.997881092							
Standard Error	1.303840481							
Observations	5							
ANOVA								
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>			
Regression	1	3204.1	3204.1	1884.764706	2.69002E-05			
Residual	3	5.1	1.7					
Total	4	3209.2						
	<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	-35780	826.2705731	-43.3030065	2.71071E-05	-38409.56173	-33150.43827	-38409.56173	-33150.43827
X Variable 1	17.9	0.412310563	43.41387688	2.69002E-05	16.58784377	19.21215623	16.58784377	19.21215623
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					

