

Pierce 4  
ESRD Need Projection Methodology

	Planning Area	6 Year Utilization Data - Resident Incenter Patients					
	Pierce Four	2001	2002	2003	2004	2005	2006
	98402	6	5	6	6	7	10
	98403	7	7	7	6	11	10
	98404	46	44	38	41	40	43
	98405	31	35	30	32	38	41
	98406	11	10	18	15	9	7
	98407	14	15	13	14	14	12
	98408	30	35	28	28	37	44
	98409	26	25	26	23	31	29
	98416	0	0	0	0	0	0
	98418	4	5	5	6	8	15
	98421	0	0	0	0	0	0
	98422	1	2	5	6	8	11
	98424	0	2	2	1	1	2
	98443	3	4	2	1	1	2
	98465	4	4	6	5	6	3
	98466	13	12	14	16	19	20
	<b>TOTALS</b>	<b>196</b>	<b>205</b>	<b>200</b>	<b>200</b>	<b>230</b>	<b>249</b>
<b>246-310-284(4)(a)</b>	Rate of Change		4.59%	-2.44%	0.00%	15.00%	8.26%
	6% Growth or Greater?		FALSE	FALSE	FALSE	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)			252.2	264	275.8	287.6
Station Need for Patients	Divide Resident Incenter Patients by 4.8			52.54167	55	57.45833	59.9167
	Rounded to next whole number			53	55	58	60
<b>246-310-284(4)(d)</b>	subtract (4)(c) from approved stations						
Existing CN Approved Stations				50	50	50	50
Results of (4)(c) above				- 53	55	58	60
Net Station Need				-3	-5	-8	-10
Negative number indicates need for stations							
<b>246-310-284(5)</b>							
Name of Center	# of Stations	# of Patients	Utilization (Patients per Station)				
St. Joseph Medical Center	50	258	5.16				
Total	50	258					
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	205	193						
2003	200	205						
2004	200	217						
2005	230	229						
2006	249	240						
2007		252						
2008		264						
2009		276						
2010		288						
<b>SUMMARY OUTPUT</b>								
<i>Regression Statistics</i>								
Multiple R	0.852747192							
R Square	0.727177773							
Adjusted R Square	0.636237031							
Standard Error	13.19595898							
Observations	5							
<b>ANOVA</b>								
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>			
Regression	1	1392.4	1392.4	7.996171516	0.066312625			
Residual	3	522.4	174.1333333					
Total	4	1914.8						
	<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	-23430.4	8362.551053	-2.80182445	0.067750275	-50043.7697	3182.969697	-50043.7697	3182.969697
X Variable 1	11.8	4.172928628	2.827750257	0.066312625	-1.480121292	25.08012129	-1.480121292	25.08012129
<b>RESIDUAL OUTPUT</b>								
<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						

