



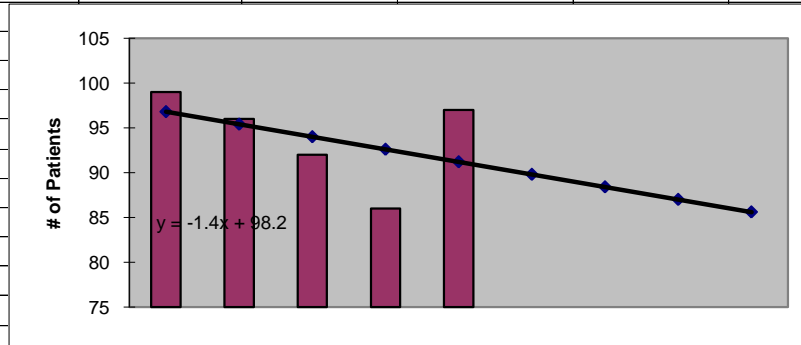
**2011
Cowlitz County
ESRD Need Projection Methodology**

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Cowlitz		2005	2006	2007	2008	2009	2010
Cowlitz County		94	99	96	92	86	97
TOTALS		94	99	96	92	86	97
246-310-284(4)(a)	Rate of Change		5.32%	-3.03%	-4.17%	-6.52%	12.79%
	6% Growth or Greater?		FALSE	FALSE	FALSE	FALSE	TRUE
	Regression Method:	Linear					
246-310-284(4)(c)				Year 1	Year 2	Year 3	Year 4
				2011	2012	2013	2014
Projected Resident Incenter Patients	from 246-310-284(4)(b)			89.80	88.40	87.00	85.60
Station Need for Patients	Divide Resident Incenter Patients by 4.8			18.7083	18.4167	18.1250	17.8333
	Rounded to next whole number			19	19	19	18
246-310-284(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations				28	28	28	28
Results of (4)(c) above			-	19	19	19	18
Net Station Need				9	9	9	10
Negative number indicates need for stations							
246-310-284(5)							
Name of Center	# of Stations	Patients	Utilization (Patients per Station)				
PeaceHealth	22	110	5.00				
QualiCenters Longview	6	7	1.17				
Total	28	117					
Source: Northwest Renal Network data 2005-2010							
Most recent year-end data: 2010 year-end data as of 02/16/2011							
Most recent quarterly data as of the 1st day of application submission period: 4th quarter 2010 as of 02/16/2010							

x	y	Linear
2006	99	97
2007	96	95
2008	92	94
2009	86	93
2010	97	91
2011		89.800
2012		88.400
2013		87.000
2014		85.600

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.430006582
R Square	0.18490566
Adjusted R Square	-0.086792453
Standard Error	5.366563146
Observations	5



ANOVA					
	df	SS	MS	F	Significance F
Regression	1	19.6	19.6	0.680555556	0.469873294
Residual	3	86.4	28.8		
Total	4	106			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	2905.2	3407.689845	0.852542377	0.456567722	-7939.589956	13749.98996	-7939.589956	13749.98996
X Variable 1	-1.4	1.697056275	-0.824957911	0.469873294	-6.800790471	4.000790471	-6.800790471	4.000790471

RESIDUAL OUTPUT

Observation	Predicted Y	Residuals
1	96.8	2.2
2	95.4	0.6
3	94	-2
4	92.6	-6.6
5	91.2	5.8