



2022
Cowlitz County
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Cowlitz	2016	2017	2018	2019	2020	2021	
Cowlitz County	100	121	126	139	134	131	
TOTALS	100	121	126	139	134	131	
246-310-812(4)(a)	Rate of Change		21.00%	4.13%	10.32%	-3.60%	-2.24%
	6% Growth or Greater?		TRUE	FALSE	TRUE	FALSE	FALSE
	Regression Method:	Linear					
246-310-812(4)(c)			Year 1	Year 2	Year 3	Year 4	Year 5
			2022	2023	2024	2025	2026
Projected Resident Incenter Patients	from 246-310-812(4)(b)		138.60	141.40	144.20	147.00	149.80
Station Need for Patients	Divide Resident Incenter by 4.8		28.87	29.46	30.04	30.63	31.21
	Rounded to next whole number		29	30	31	31	32
246-310-812(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations	Total		28	28	28	28	28
Results of (4)(c) above			29	30	31	31	32
Net Station Need			-1	-2	-3	-3	-4*
Negative number indicates need for stations							
*Application in process							
Planning Area Facilities							
Name of Center	# of Stations						
FMC Cowlitz	24						
FKC Longview	4						
Total	28						
Source: Northwest Renal Network / Comagine ESRD Network 16 data 2016-2021							
Most recent year-end data: 2021 posted 03/15/2022							

x	y	Linear							
2017	121	125							
2018	126	127							
2019	139	130							
2020	134	133							
2021	131	136							
2022		138.60							
2023		141.40							
2024		144.20							
2025		147.00							
2026		149.80							
SUMMARY OUTPUT									
<i>Regression Statistics</i>									
Multiple R	0.634400556								
R Square	0.402464066								
Adjusted R Square	0.203285421								
Standard Error	6.228964601								
Observations	5								
ANOVA									
	df	SS	MS	F	Significance F				
Regression	1	78.4	78.4	2.020618557	0.250299192				
Residual	3	116.4	38.8						
Total	4	194.8							
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%	
Intercept	-5523	3976.969756	-1.388745789	0.259053149	-18179.49271	7133.492706	-18179.5	7133.493	
X Variable 1	2.8	1.96977156	1.421484631	0.250299192	-3.468692225	9.068692225	-3.46869	9.068692	

