

2023
Kittitas County
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Kittitas		2017	2018	2019	2020	2021	2022
Kittitas County		28	28	22	23	23	16
TOTALS		28	28	22	23	23	16
246-310-812(4)(a)	Rate of Change		0.00%	-21.43%	4.55%	0.00%	-30.43%
	6% Growth or Greater?		FALSE	FALSE	FALSE	FALSE	FALSE
	Regression Method:	Linear					
246-310-812(4)(c)			Year 1	Year 2	Year 3	Year 4	Year 5
			2023	2024	2025	2026	2027
Projected Resident Incenter Patients	from 246-310-812(4)(b)		15.50	13.20	10.90	8.60	6.30
Station Need for Patients	Divide Resident Incenter by 3.2		4.84	4.12	3.41	2.69	1.97
	Rounded to next whole number		5	5	4	3	2
246-310-812(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations	Total		7	7	7	7	7
Results of (4)(c) above			5	5	4	3	2
Net Station Need			2	2	3	4	5
Negative number indicates need for stations							
Planning Area Facilities							
Name of Center	# of Stations						
DaVita Ellensburg	7						
Total	7						
Source: Northwest Renal Network / Comagine ESRD Network 16 data 2017-2022							
Most recent year-end data: 2022 posted 02/15/2023							

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x	y	Linear							
2018	28	27							
2019	22	25							
2020	23	22							
2021	23	20							
2022	16	18							
2023		15.50							
2024		13.20							
2025		10.90							
2026		8.60							
2027		6.30							
SUMMARY OUTPUT									
<i>Regression Statistics</i>									
Multiple R	0.850104462								
R Square	0.722677596								
Adjusted R Square	0.630236794								
Standard Error	2.601281735								
Observations	5								
ANOVA									
	df	SS	MS	F	Significance F				
Regression	1	52.9	52.9	7.81773399	0.068077387				
Residual	3	20.3	6.766666667						
Total	4	73.2							
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%	
Intercept	4668.4	1661.647381	2.809501012	0.067320578	-619.7035695	9956.50357	-619.704	9956.504	
X Variable 1	-2.3	0.822597512	-2.7960211	0.068077387	-4.917872413	0.317872413	-4.91787	0.317872	

