

2023
Benton County
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Benton	2017	2018	2019	2020	2021	2022	
Benton County	168	189	201	182	178	166	
TOTALS	168	189	201	182	178	166	
246-310-812(4)(a)	Rate of Change		12.50%	6.35%	-9.45%	-2.20%	-6.74%
	6% Growth or Greater?		TRUE	TRUE	FALSE	FALSE	FALSE
	Regression Method:	Linear					
246-310-812(4)(c)		Year 1 2022	Year 2 2023	Year 3 2024	Year 4 2025	Year 5 2026	
Projected Resident Incenter Patients	from 246-310-812(4)(b)	166.44	158.82	151.21	143.59	135.97	
Station Need for Patients	Divide Resident Incenter by 4.8	34.68	33.09	31.50	29.91	28.33	
	Rounded to next whole number	35	34	32	30	29	
246-310-812(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations	Total	50	50	50	50	50	
Results of (4)(c) above		35	34	32	30	29	
Net Station Need		15	16	18	20	21	
Negative number indicates need for stations							
Planning Area Facilities							
Name of Center	# of Stations						
FMC Columbia Basin	17						
DaVita Kennewick	13						
DaVita Chinook	20						
Total	50						
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	189	197					
2019	201	189					
2020	182	182					
2021	178	174					
2021	166	174					
2022		166.44					
2023		158.82					
2024		151.21					
2025		143.59					
2026		135.97					
SUMMARY OUTPUT							
<i>Regression Statistics</i>							
Multiple R	0.764694148						
R Square	0.584757139						
Adjusted R Square	0.446342852						
Standard Error	9.664468986						
Observations	5						
ANOVA							
	df	SS	MS	F	Significance F		
Regression	1	394.5941176	394.5941176	4.22468773	0.132076894		
Residual	3	280.2058824	93.40196078				
Total	4	674.8					
Coefficients							
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%
Intercept	15569.32353	7485.692458	2.079877528	0.129017667	-8253.490778	39392.13784	-8253.49
X Variable 1	-7.617647059	3.706154674	-2.055404517	0.132076894	-19.41228531	4.176991191	-19.4123



