

2023
Adams County
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Adams		2017	2018	2019	2020	2021	2022
Adams County		26	25	27	28	36	32
TOTALS		26	25	27	28	36	32
246-310-812(4)(a)	Rate of Change		-3.85%	8.00%	3.70%	28.57%	-11.11%
	6% Growth or Greater?		FALSE	TRUE	FALSE	TRUE	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)		36.50	38.80	41.10	43.40	45.70
Station Need for Patients	Divide Resident Incenter by 3.2		11.41	12.13	12.84	13.56	14.28
	Rounded to next whole number		12	13	13	14	15
246-310-812(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations	Total		11	11	11	11	11
Results of (4)(c) above			12	13	13	14	15
Net Station Need			-1	-2	-2	-3	-4
Negative number indicates need for stations							
Planning Area Facilities							
Name of Center	# of Stations						
FMC Leah Layne Dialysi	11						
Total	11						
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	25	25						
2019	27	27						
2020	28	30						
2021	36	32						
2022	32	34						
2023		36.50						
2024		38.80						
2025		41.10						
2026		43.40						
2027		45.70						
SUMMARY OUTPUT								
<i>Regression Statistics</i>								
Multiple R	0.827788113							
R Square	0.685233161							
Adjusted R Square	0.580310881							
Standard Error	2.846049894							
Observations	5							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	1	52.9	52.9	6.530864198	0.08353706			
Residual	3	24.3	8.1					
Total	4	77.2						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4616.4	1818.000446	-2.539273305	0.084733366	-10402.0888	1169.288801	-10402.1	1169.289
X Variable 1	2.3	0.9	2.555555556	0.08353706	-0.564201675	5.164201675	-0.5642	5.164202

