

2023
Pierce County 1
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Pierce 1		2017	2018	2019	2020	2021	2022
	98354	9	13	13	14	9	9
	98371	25	19	18	24	20	20
	98372	23	23	15	16	21	23
	98373	21	22	24	31	28	35
	98374	31	31	34	44	40	50
	98375	30	21	28	30	24	24
	98390	7	7	6	11	11	9
	98391	27	25	33	41	38	40
	TOTALS	173	161	171	211	191	210
246-310-812(4)(a)	Rate of Change		-6.94%	6.21%	23.39%	-9.48%	9.95%
	6% Growth or Greater?		FALSE	TRUE	TRUE	FALSE	TRUE
	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)		224.20	236.00	247.80	259.60	271.40
Station Need for Patients	Divide Resident Incenter by 4.8		46.71	49.17	51.62	54.08	56.54
	Rounded to next whole number		47	50	52	55	57
246-310-812(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations	Total		45	45	45	45	45
Results of (4)(c) above			47	50	52	55	57
Net Station Need			-2	-5	-7	-10	-12
Negative number indicates need for stations							
Planning Area Facilities							
Name of Center	# of Stations						
FKC Puyallup	14						
DaVita Sumner	9						
DaVita Puyallup	19						
Franciscan Bonney Lake	3						
Total	45						
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	161	165							
2019	171	177							
2020	211	189							
2021	191	201							
2022	210	212							
2023		224.20							
2024		236.00							
2025		247.80							
2026		259.60							
2027		271.40							
SUMMARY OUTPUT									
<i>Regression Statistics</i>									
Multiple R	0.826813986								
R Square	0.683621367								
Adjusted R Square	0.578161822								
Standard Error	14.65605677								
Observations	5								
ANOVA									
	df	SS	MS	F	Significance F				
Regression	1	1392.4	1392.4	6.482309125	0.084233808				
Residual	3	644.4	214.8						
Total	4	2036.8							
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%	
Intercept	-23647.2	9361.999517	-2.525870671	0.085733931	-53441.26077	6146.860774	-53441.3	6146.861	
X Variable 1	11.8	4.634652091	2.546037927	0.084233808	-2.949531422	26.54953142	-2.94953	26.54953	

