

2023
Pierce County 4
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Pierce 4		2017	2018	2019	2020	2021	2022
98402		11	11	8	16	13	15
98403		5	6	9	11	7	10
98404		86	82	81	77	74	64
98405		61	50	45	42	49	43
98406		15	12	13	17	15	18
98407		17	14	13	17	14	17
98408		40	34	44	39	36	25
98409		47	46	47	41	48	54
98416		0	0	0	0	0	0
98418		16	23	20	12	14	13
98421		1	2	1	1	1	1
98422		15	18	18	15	11	19
98424		12	9	16	16	18	14
98443		5	7	9	11	11	8
98465		8	11	12	13	14	8
98466		29	26	26	24	17	18
TOTALS		368	351	362	352	342	327
246-310-812(4)(a)	Rate of Change		-4.62%	3.13%	-2.76%	-2.84%	-4.39%
	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)		325.60	325.60	311.60	304.60	297.60
Station Need for Patients	Divide Resident Incenter by 4.8		67.83	67.83	64.92	63.46	62.00
	Rounded to next whole number		68	68	65	64	63
246-310-812(4)(d)	subtract (4)(c) from approved stations						
Existing CN Approved Stations	Total		92	92	92	92	92
Results of (4)(c) above			68	68	65	64	63
Net Station Need			24	24	27	28	29
Negative number indicates need for stations							
Planning Area Facilities							
Name of Center	# of Stations						
DaVita - Tacoma	20						
FKC East Tacoma	16						
FKC South Tacoma	24						
FKC Mount Rainier	22						
NKC Fife Kidney Center	10						
Total	92						
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	351	361							
2019	362	354							
2020	352	347							
2021	342	340							
2022	327	333							
2023		325.60							
2023		325.60							
2025		311.60							
2026		304.60							
2027		297.60							
SUMMARY OUTPUT									
<i>Regression Statistics</i>									
Multiple R	0.818615472								
R Square	0.670131291								
Adjusted R Square	0.560175055								
Standard Error	8.966604709								
Observations	5								
ANOVA									
	df	SS	MS	F	Significance F				
Regression	1	490	490	6.094527363	0.090167558				
Residual	3	241.2	80.4						
Total	4	731.2							
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%	
Intercept	14486.6	5727.689943	2.529222103	0.085482378	-3741.465696	32714.6657	-3741.47	32714.67	
X Variable 1	-7	2.835489376	-2.468709656	0.090167558	-16.02379269	2.023792688	-16.0238	2.023793	

