



2022
Pierce County 4
ESRD Need Projection Methodology

Planning Area		6 Year Utilization Data - Resident Incenter Patients					
Pierce 4		2016	2017	2018	2019	2020	2021
98402		10	11	11	8	16	13
98403		6	5	6	9	11	7
98404		81	86	82	81	77	74
98405		57	61	50	45	42	49
98406		17	15	12	13	17	15
98407		17	17	14	13	17	14
98408		40	40	34	44	39	36
98409		43	47	46	47	41	48
98416		0	0	0	0	0	0
98418		15	16	23	20	12	14
98421		1	1	2	1	1	1
98422		15	15	18	18	15	11
98424		13	12	9	16	16	18
98443		6	5	7	9	11	11
98465		11	8	11	12	13	14
98466		31	29	26	26	24	17
TOTALS		363	368	351	362	352	342
246-310-812(4)(a)	Rate of Change		1.38%	-4.62%	3.13%	-2.76%	-2.84%
	6% Growth or Greater?		FALSE	FALSE	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)		339.70	334.60	334.60	324.40	319.30
Station Need for Patients	Divide Resident Incenter by 4.8		70.77	69.71	69.71	67.58	66.52
	Rounded to next whole number		71	70	70	68	67
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			71	70	70	68	67
Net Station Need			21	22	22	24	25
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 2016-2021							
Most recent year-end data: 2021 posted 03/15/2022							



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x	y	Linear
2017	368	365
2018	351	360
2019	362	355
2020	352	350
2021	342	345
2022		339.70
2023		334.60
2023		334.60
2025		324.40
2026		319.30

Regression Statistics	
Multiple R	0.794550615
R Square	0.63131068
Adjusted R Square	0.508414239
Standard Error	7.115710318
Observations	5

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	260.1	260.1	5.136932192	0.108276111
Residual	3	151.9	50.63333333		
Total	4	412			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	10651.9	4543.124988	2.344619624	0.10079734	-3806.351333	25110.15133	-3806.35	25110.15
X Variable 1	-5.1	2.250185178	-2.266480133	0.108276111	-12.2610935	2.061093505	-12.2611	2.061094

