

## Supplementary materials

**Table S1.** Adjusted odds ratios for PD utilization categorized by driving distance from patient's residence to the closest HD unit and distance to closest PD unit if it is equal/closer or farther than distance to HD unit. The model was adjusted by distance to closest PD unit, demographics, comorbidities, PD prevalence in 2016, and number of census population in 2017.

**Table S2.** Median (IQR) of driving distance, straight-line distance, and driving time from patient's residence to actual dialysis unit that patients received dialysis treatment, to closest HD- and PD-provided unit in all available data and in patients whom had all data.

**Figure S1.** Unadjusted odds ratios for PD utilization categorized by distance from patient's residence to the closest HD unit in all patients and distance to closest PD unit if it is equal/closer or farther than distance to HD unit.

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	Closest PD is equal/closer than HD			Closest PD is farther than HD		
	OR	95% CI	P-value	OR	95% CI	P-value
Distance to closest HD unit (mile)						
0	Ref.	-	-			
0.1-5.0	0.86	0.79-0.94	<0.001	Ref.	-	-
5.1-10.0	1.05	0.97-1.15	0.22	1.26	1.10-1.45	0.001
10.1-15.0	1.11	0.99-1.23	0.06	1.18	1.00-1.40	0.054
15.1-20.0	1.41	1.24-1.61	<0.001	1.24	1.01-1.52	0.04
20.1-25.0	1.13	0.94-1.37	0.20	1.62	1.28-2.06	<0.001
25.1-30.0	1.26	0.98-1.61	0.07	1.54	1.12-2.12	0.008
30.1-40.0	1.40	1.10-1.79	0.007	1.55	1.13-2.13	0.007
40.1-50.0	1.60	1.10-2.32	0.014	1.66	1.08-2.55	0.02
50.1-60.0	2.01	1.27-3.18	0.003	1.55	0.86-2.83	0.15
>60.0	1.60	1.03-2.48	0.04	2.65	1.44-4.90	0.002
Age at dialysis initiation	0.99	0.99-0.99	<0.001	0.99	0.99-1.00	<0.001
Female	1.04	0.98-1.10	0.23	1.04	0.93-1.16	0.48
Race						
Black/African American	0.71	0.66-0.77	<0.001	0.66	0.57-0.76	<0.001
Other	1.02	0.91-1.14	0.75	0.69	0.56-0.86	0.001
Hispanic ethnicity	0.75	0.68-0.83	<0.001	0.80	0.68-0.95	0.01
Body mass index	0.99	0.99-1.00	<0.001	0.99	0.98-1.00	0.004
Employed at dialysis initiation	2.60	2.42-2.79	<0.001	2.55	2.24-2.92	<0.001
Median household income	1.00	1.00-1.00	<0.001	1.00	1.00-1.00	<0.001
Urban residence	0.99	0.91-1.08	0.87	0.98	0.83-1.15	0.78
Pre-ESKD nephrologist care	3.92	3.55-4.34	<0.001	4.17	3.42-5.07	<0.001
Diabetes as the cause of ESKD	1.02	0.94-1.09	0.65	1.01	0.88-1.16	0.86
Comorbidities						
Diabetes (required medication)	0.82	0.76-0.88	<0.001	0.90	0.78-1.03	0.11
Hypertension	1.00	0.91-1.10	0.97	1.07	0.90-1.27	0.45
Coronary artery disease	0.90	0.81-0.99	0.03	1.08	0.90-1.28	0.42
Cerebrovascular disease	0.87	0.77-0.98	0.02	0.79	0.63-1.00	0.054
Peripheral arterial disease	0.82	0.72-0.92	0.001	0.70	0.56-0.88	0.002
Other cardiac disease	0.69	0.63-0.75	<0.001	0.62	0.52-0.72	<0.001
Congestive heart failure	0.61	0.56-0.66	<0.001	0.55	0.48-0.64	<0.001
COPD	0.53	0.46-0.61	<0.001	0.53	0.41-0.69	<0.001
Malignancy	0.79	0.70-0.89	<0.001	0.78	0.62-0.97	0.03
Inability to ambulate	0.19	0.14-0.25	<0.001	0.30	0.19-0.47	<0.001
PD prevalence in 2016	1.01	1.01-1.02	<0.001	1.01	1.01-1.02	<0.001
Number of census population in 2017	1.00	1.00-1.00	<0.001	1.00	1.00-1.00	<0.001

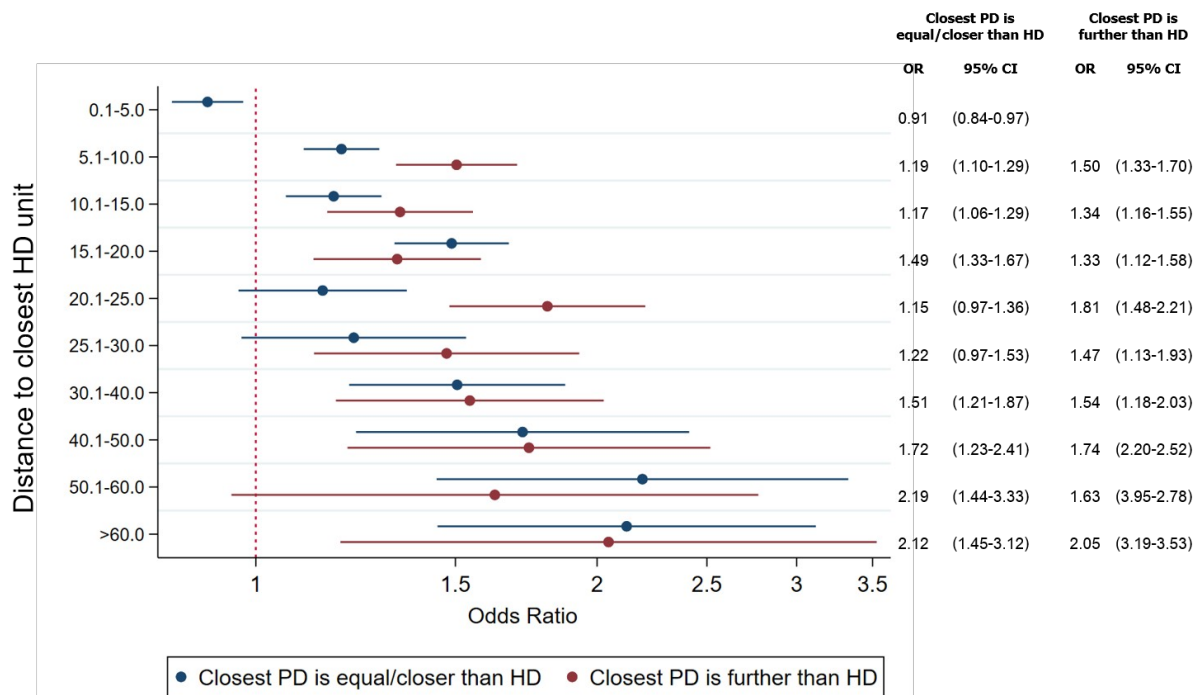
CI, confidence interval; COPD, chronic obstructive pulmonary disease; ESKD, end stage kidney disease; HD, hemodialysis; OR, odds ratio; PD, peritoneal dialysis, Ref., reference category

**Table S2.** Median (IQR) of driving distance, straight-line distance, and driving time from patient's residence to actual dialysis unit that patients received dialysis treatment, to closest HD and PD unit.

<b>Parameters</b>	<b>From patient's residence to actual dialysis unit</b>	<b>From patient's residence to closest HD unit</b>	<b>From patient's residence to closest PD unit</b>
<b>Driving distance, miles, median (IQR)</b>	7.3 (1.5-5.2)	4.3 (1.2-10.4)	5.1 (1.3-12.0)
<b>Straight-line distance, miles, median (IQR)</b>	4.4 (0.5-9.7)	2.9 (0.3-6.9)	3.3 (0.4-8.0)
<b>Driving time, minutes, median (IQR)</b>	15 (6-24)	11 (5-18)	12 (5-10)
<b>Detour index, median (IQR)</b>	1.46 (1.24-1.83)	1.37 (1.13-1.76)	1.38 (1.17-1.73)

HD, hemodialysis; IQR, interquartile range; PD, peritoneal dialysis

**Figure S1.** Unadjusted odds ratios for PD utilization categorized by distance from patient's residence to the closest HD unit in all patients and distance to closest PD unit if it is equal/closer or further than distance to HD unit.



CI, confidence interval, HD, hemodialysis; OR, odds ratio; PD, peritoneal dialysis