Technical Appendix. Full Logistic Regression Model Estimates of PD use in 2006 incident cohort

	Estimate	p-value
Distance indicators		
Absolute distance to closest HD[†]: T_distan^(-0.5)	-0.6971	<.0001
T_distan^(2)	0.000376	<.0001
Absolute distance to closest HD is zero[††]	0.3032	0.0006
Relative distance: nearest PD closer or same as HD	0.2045	0.0061
Interaction: Relative distance x Absolute distance		
Relative distance x T_distan^(-0.5)	-0.2105	0.0432
Relative distance x T_distan^(2)	-0.00012	0.2822
Patient Characteristics		
Age: T_inc_a^(3)	-1.74E-6	<.0001
Male	-0.1683	<.0001
Race (reference = White)		
African American	-0.5631	<.0001
Other	-0.0898	0.1379
Employed (full-time or part-time)	0.6694	<.0001
Urban residence	-0.0404	0.3179
Pre-ESRD nephrologist care	1.2765	<.0001
Cause of ESRD: Diabetes	-0.0546	0.1871
BMI[†]: log(BMI)	15.1456	<.0001
log(BMI)*log(BMI)	-2.2802	<.0001
Comorbid conditions:		
Diabetes	-0.1790	<.0001
Hypertension	0.1300	0.0022
Atherosclerotic heart disease	-0.0453	0.2601
Cerebrovascular disease	-0.2175	0.0002
Peripheral vascular disease	-0.1273	0.0071
Other cardiac disease	-0.0983	0.0281
Congestive heart failure	-0.4402	<.0001
Chronic obstruct pulmon disease	-0.3698	<.0001
Cancer	-0.2573	<.0001
Market characteristics (HRR)		
PD prevalence rate in prior year[†]: PDPrevln^(0.5)	0.3279	<.0001
PDPrevln^(3)	-1.18E-7	0.0004
Population density[†]: PopDensi^(0.5)	0.0512	<.0001
PopDensi^(0.5)*log(PopDensi)	-0.00505	<.0001
% Facilities chain affiliated[†]: T_hrrpct^(3)	0.1765	0.0293
T_hrrpct^(3)*log(T_hrrpct)	-0.2012	0.0406
% Urban facilities[†]: hrrpctur^(-2)	-0.0406	0.0843
hrrpctur	-0.6786	0.0037

Notes:

[†] Fractal polynomial transformation applied.

[††]Because absolute distance to closest HD facility was skewed with a significant percentage with an absolute distance of zero (38%) we included both a 1) continuous absolute distance measure to closest HD facility and 2) a dichotomous measure of absolute distance to closest HD facility of zero versus greater than zero to improve model fit (Hosmer and Lemeshow 2000).