Supplemental Materials:

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Supplemental Table 1. Characteristics of patients included in and excluded from the analytic cohort in relation to the source population

Source Population	Black and white patients with ESRD onset from June 1st, 2005 to September 31st, 2008	Patients who did not die during follow-up	Decedents missing covariate or outcome information	Analytic cohort
n = 366,022	**n = 344,715**	**n = 201,859**	**n = 41,525**	**n = 101,331**
Mean age, years	63.01	58.6	69.2	69.2
	(63.0, 63.1)	(58.5, 58.7)	(69.1, 69.4)	(69.2, 69.3)
Male, %	56.0	56.4	55.6	55.3
	(55.9, 56.2)	(56.2, 56.7)	(55.1, 56.1)	(55.0, 55.6)
Black, %	30.1	34.0	26.2	24.0
	(30.0, 30.3)	(33.8, 34.2)	(25.8, 26.6)	(23.8, 24.3)*

* P <0.05 from comparison with decedents missing information on covariates or outcomes

Supplemental Table 2. Characteristics of white patients by quintile of the end-of-life expenditure index

	Total	1st (lowest)	2nd	3rd	4th	5th(Highest)	
			Quintile of end-of-life expenditure index				
	n = 76,972	**n= 13,424**	**n= 14,242**	**n= 14,505**	**n= 16,021**	**n= 18,780**	**P for trend**
Mean age, years	**70.9** **(70.8, 71.0)**	70.9 (70.7, 71.1)	70.5 (70.3, 70.7)	70.0 (69.8, 70.3)	70.6 (70.4, 70.8)	72.1 (72.0, 72.3)	<0.001
Male, %	**57.9** **(57.5, 58.2)**	58.4 (57.5, 59.2)	57.0 (56.2, 57.8)	58.8 (58.0, 59.6)	57.5 (56.7, 58.3)	57.8 (57.1, 58.6)	0.70
eGFR, ml/min/1.73m^2	**11.7** **(11.7, 11.8)**	11.9 (11.8, 12.0)	11.8 (11.7, 11.9)	11.4 (11.4, 11.5)	11.8 (11.7, 11.9)	11.8 (11.8, 11.9)	0.89
Body mass index, kg/m^2	**27.9** **(27.8, 27.9)**	28.2 (28.1, 28.3)	28.2 (28.0, 28.3)	28.0 (27.9, 28.1)	27.9 (27.8, 28.0)	27.3 (27.2, 27.4)	<0.001
Diabetes, %	**53.3** **(53.0, 53.7)**	52.7 (51.9, 53.6)	54.7 (53.9, 55.5)	54.3 (53.4, 55.1)	53.5 (52.7, 54.3)	51.8 (51.1, 52.5)	0.004
Coronary artery disease, %	**47.8** **(47.4, 48.1)**	48.4 (47.5, 49.2)	48.1 (47.3, 49.0)	46.7 (45.8, 47.4)	48.5 (47.7, 49.3)	47.3 (46.6, 48.0)	0.15
Stroke, %	**12.4** **(12.1, 12.6)**	13.1 (12.6, 13.7)	12.3 (11.7, 12.8)	12.4 (11.8, 12.9)	12.8 (12.1, 13.1)	11.8 (11.3, 12.2)	0.003
Peripheral vascular disease, %	**21.4** **(21.1, 21.6)**	22.5 (21.8, 23.3)	21.4 (20.7, 22.1)	21.2 (20.6, 21.9)	22.2 (21.5, 22.8)	19.9 (19.3, 20.4)	<0.001
Congestive heart failure, %	**45.8** **(45.4, 46.1)**	44.0 (43.1, 44.8)	45.5 (44.7, 46.4)	44.8 (44.0, 45.6)	47.0 (46.2, 47.8)	46.8 (46.1, 47.5)	<0.001
COPD, %	**15.4** **(15.1, 15.6)**	15.7 (15.0, 16.3)	16.2 (15.6, 16.8)	15.8 (15.2, 16.4)	17.2 (16.6, 17.7)	12.7 (12.2, 13.1)	<0.001
Cancer, %	**11.8** **(11.5, 12.0)**	12.9 (12.4, 13.5)	12.2 (11.6, 12.7)	11.3 (10.8, 11.8)	11.2 (10.7, 11.7)	11.4 (11.0, 11.9)	<0.001
Unable to walk, %	**10.8** **(10.6, 11.0)**	9.2 (8.7, 9.7)	10.0 (9.5, 10.5)	9.9 (9.4, 10.4)	11.4 (10.9, 11.9)	12.8 (12.3, 13.3)	<0.001
Unable to transfer, %	**5.3** **(5.2, 5.5)**	3.5 (3.2, 3.8)	4.5 (4.2, 4.8)	4.9 (4.5, 5.2)	5.7 (5.4, 6.1)	7.4 (7.0, 7.8)	<0.001
Peritoneal dialysis, %	**4.7** **(4.6, 4.9)**	5.4 (5.1, 5.8)	5.4 (5.0, 5.8)	5.8 (5.5, 6.2)	5.1 (4.8, 5.5)	2.6 (2.3, 2.8)	<0.001
Nephrology referral, %	**64.9** **(64.5, 65.3)**	67.9 (67.0, 68.7)	66.6 (65.8, 67.4)	66.6 (65.7, 67.4)	66.0 (65.2, 66.8)	58.9 (58.1, 59.6)	<0.001
Hemodialysis initiation with fistula, %	**9.9** **(9.7, 10.1)**	13.0 (12.5, 13.6)	9.9 (9.4, 10.4)	9.6 (9.1, 10.1)	9.6 (9.1, 10.0)	8.3 (7.9, 8.7)	<0.001
Preemptive transplant, %	**0.11** **(0.09, 0.14)**	0.19 (0.11, 0.3)	0.08 (0.04, 0.13)	0.05 (0.01, 0.08)	0.09 (0.04, 0.14)	0.14 (0.09, 0.19)	0.41
Cardiovascular cause of death, %	**46.2** **(45.9, 46.6)**	41.3 (40.5, 42.2)	44.9 (44.1, 45.7)	46.2 (45.3, 47.0)	45.7 (44.9, 46.4)	51.4 (50.7, 52.1)	<0.001
Infection-related cause of death, %	**11.2** **(10.9, 11.4)**	11.5 (10.9, 12.0)	11.1 (10.6, 11.6)	10.3 (9.8, 10.8)	10.1 (9.6, 10.5)	12.6 (12.1, 13.0)	0.03
Cause of death, other, %	**42.6** **(42.2, 42.9)**	47.2 (46.3, 48.0)	44.0 (43.2, 44.8)	43.6 (42.8, 44.4)	44.3 (43.5, 45.0)	36.1 (35.4, 36.7)	<0.001
Death within 6 months of ESRD onset %	**37.1** **(36.7, 37.4)**	35.0 (34.2, 35.8)	35.5 (34.7, 36.3)	36.2 (35.3, 36.9)	37.8 (37.0, 38.5)	39.9 (39.2, 40.6)	<0.001

Abbreviations: eGFR, estimated glomerular filtration rate; COPD, chronic obstructive pulmonary disease; EOL-EI, end-of-life expenditure index
Parentheses contain 95% confidence intervals

Supplemental Table 3. Characteristics of black patients by quintile of end-of-life expenditure index

		Quintile of end-of-life expenditure index					
	Total	1st (lowest)	2nd	3rd	4th	5th(Highest)	
	n = 24,359	**n= 1,111**	**n= 3,856**	**n= 5,196**	**n= 5,898**	**n= 8,298**	**P for trend**
Mean age, years	**64.0** **(63.8, 64.2)**	63.0 (62.2, 63.9)	63.9 (63.4, 64.3)	63.4 (63.0, 63.8)	63.9 (63.5, 64.3)	64.6 (64.3, 64.9)	<0.001
Male, %	**47.3** **(46.7, 47.9)**	52.7 (49.8, 55.7)	48.5 (46.9, 50.1)	45.5 (44.1, 46.8)	46.3 (45.0, 47.5)	47.9 (46.9, 49.0)	0.19
eGFR, ml/min/1.73m^2	**11.4** **(11.3, 11.5)**	11.2 (11.0, 11.5)	11.3 (11.2, 11.5)	11.0 (10.9, 11.2)	11.6 (11.4, 11.7)	11.6 (11.5, 11.7)	<0.001
Body mass index (kg/m^2)	**27.8** **(27.7, 27.9)**	27.7 (27.3, 28.1)	27.9 (27.7, 28.2)	28.2 (28.0, 28.4)	28.0 (27.8, 28.2)	27.3 (27.1, 27.5)	<0.001
Diabetes, %	**54.9** **(54.2, 55.5)**	58.4 (55.5, 61.3)	56.8 (55.3, 58.4)	57.4 (56.1, 58.8)	55.2 (53.9, 56.5)	51.6 (50.5, 52.7)	<0.001
Coronary artery disease, %	**30.6** **(30.0, 31.2)**	33.5 (30.7, 36.3)	31.1 (29.7, 32.6)	30.5 (29.2, 31.7)	29.6 (28.4, 30.7)	30.7 (29.7, 31.7)	0.18
Stroke, %	**13.8** **(13.3, 14.2)**	15.7 (13.5, 17.8)	13.4 (12.3, 14.5)	14.0 (13.1, 15.0)	14.0 (13.1, 14.9)	13.4 (12.6, 14.1)	0.21
Peripheral vascular disease, %	**14.0** **(13.6, 14.5)**	16.5 (14.3, 18.7)	15.5 (14.4, 16.7)	14.4 (13.5, 15.4)	14.3 (13.4, 15.2)	12.6 (11.9, 13.3)	<0.001
Congestive heart failure, %	**38.8** **(38.2, 39.4)**	38.3 (35.5, 41.2)	37.9 (36.4, 39.5)	38.9 (37.6, 40.2)	38.4 (37.2, 39.7)	39.6 (38.5, 40.6)	0.13
COPD, %	**8.7** **(8.3, 9.1)**	10.3 (8.5, 12.0)	9.7 (8.7, 10.6)	8.6 (7.9, 9.4)	8.2 (7.5, 8.9)	8.5 (7.9, 9.1)	0.01
Cancer, %	**8.4** **(8.0, 8.7)**	8.7 (7.1, 10.4)	8.2 (7.4, 9.1)	7.8 (7.1, 8.6)	8.5 (7.8, 9.2)	8.7 (8.1, 9.3)	0.31
Unable to walk, %	**11.9** **(11.5, 12.3)**	9.4 (7.6, 11.1)	10.3 (9.3, 11.3)	12.0 (11.1, 13.0)	11.7 (10.8, 12.5)	13.1 (12.4, 13.9)	<0.001
Unable to transfer, %	**6.5** **(6.2, 6.8)**	5.2 (3.9, 6.5)	5.0 (4.3, 5.6)	6.1 (5.4, 6.7)	6.7 (6.0, 7.3)	7.6 (7.1, 8.2)	<0.001
Peritoneal dialysis, %	**2.8** **(2.6, 3.0)**	3.3 (2.2, 4.3)	3.0 (2.5, 3.6)	3.8 (3.3, 4.4)	3.2 (2.8, 3.7)	1.7 (1.5, 2.0)	
Nephrology referral, %	**56.4** **(55.7, 57.0)**	66.8 (63.9, 69.7)	63.1 (61.5, 64.7)	59.7 (58.3, 61.1)	58.2 (56.8, 59.6)	47.9 (46.7, 49.1)	<0.001
Dialysis initiation with fistula, %	**74.1** **(70.8, 77.5)**	11.7 (9.8, 13.6)	7.8 (7.0, 8.7)	8.2 (7.4, 9.0)	6.8 (6.1, 7.4)	6.6 (6.1, 7.1)	<0.001
Preemptive transplant, %	**0.05** **(0.02, 0.08)**	0.09 (-0.09, 0.3)	0.03 (-0.02, 0.08)	0.04 (-0.01, 0.09)	0.03 (-0.01, 0.08)	0.08 (0.02, 0.15)	0.41
Cardiovascular cause of death, %	**47.9** **(47.3, 48.6)**	46.1 (43.1, 49.0)	48.9 (47.3, 50.5)	48.2 (46.9, 49.6)	46.8 (45.6, 48.1)	48.3 (47.2, 49.4)	0.94
Infection-related cause of death, %	**12.9** **(12.5, 13.4)**	10.9 (9.1, 12.7)	11.4 (10.4, 12.4)	12.0 (10.4, 12.4)	12.4 (11.5, 13.2)	15.0 (14.2, 15.7)	<0.001
Cause of death, other, %	**39.1** **(38.5, 39.7)**	43.0 (40.1, 45.9)	39.7 (38.1, 41.2)	39.8 (38.5, 41.2)	40.8 (39.5, 42.0)	36.7 (35.7, 37.7)	<0.001
Death up to 6 months after dialysis initiation	**33.8** **(33.2, 34.4)**	29.8 (27.1, 32.5)	32.1 (30.6, 33.5)	33.7 (32.4, 35.0)	34.1 (32.9, 35.3)	35.1 (34.0, 36.1)	<0.001

Abbreviations: eGFR, estimated glomerular filtration rate; COPD, chronic obstructive pulmonary disease; EOL-EI, end-of-life expenditure index

Parentheses contain 95% confidence intervals