

Supplementary Table 1: Baseline patient characteristics with unknown race at dialysis initiation in Canada, 1996-2012

N	5,363
Initial modality, %	
Home HD	0.2
ICHD	85
PD	15
Age (mean $\pm$ SD)	65 $\pm$ 14
Male gender, %	59
Cause of ESRD, %	
Glomerulonephritis	9
Diabetes	24
Renal Vascular Disease	16
Polycystic Kidney Disease	2
Drug Induced	2
Pyelonephritis	3
Other	9
Unknown	34
Comorbidity Conditions, %	
Stroke	9
PVD	14
Hypertension	55
Diabetes	10
CAD	27
Malignancy	8
Smoker	9
BMI category, %	
< 18.5 kg/m ²	2
18.5 - 24.9 kg/m ²	21
25 - 29.9 kg/m ²	17
> 30 kg/m ²	15
Unknown	44
Region	
Atlantic	11
Ontario	40

Supplemental material is neither peer-reviewed nor thoroughly edited by CJASN. The authors alone are responsible for the accuracy and presentation of the material.

West/Prairie	50
Referral to nephrology, %	
Late referral (< 90-days)	15
Referral to nephrology, days (median, IQR)	279 (16-924)
Era, %	
1996 - 2002	54
2003 - 2007	26
2008 - 2012	20
Distance from dialysis center, km (median, IQR)	11 (5-48)
Income quintile, %	
1st Quintile	20
2nd Quintile	20
3rd Quintile	19
4th Quintile	18
5th Quintile	16
Unknown	7
Access type at initiation of dialysis, %	
AV access	7
CVC	29
PD catheter	15
Unknown	49
eGFR (mean $\pm$ SD)	10 $\pm$ 8
Hemoglobin, g/dL ((mean $\pm$ SD)	10.2 $\pm$ 2.5
Albumin, g/dL (mean $\pm$ SD)	3.2 $\pm$ 0.7
Calcium, mg/dL (mean $\pm$ SD)	8.8 $\pm$ 1.2
Phosphate, mg/dL (mean $\pm$ SD)	5.9 $\pm$ 1.9
Parathyroid hormone, pg/mL (mean $\pm$ SD)	306 $\pm$ 327

Supplementary Table 2: Unadjusted, Adjusted and Imputed Relative Risks with 95% Confidence Intervals for Treatment with PD, Home HD or Any Home Modality by Race

	Asian	Black	Indian sub-continent	Aboriginal	Other
PD					
Unadjusted	1.35 (1.29 - 1.40)	1.09 (1.03 - 1.17)	1.08 (1.02 - 1.14)	0.94 (0.89 - 0.99)	1.23 (1.16 - 1.30)
Partially adjusted	1.21 (1.15 - 1.28)	0.90 (0.84 - 0.98)	0.94 (0.89 - 1.02)	0.80 (0.75 - 0.86)	1.03 (0.96 - 1.11)
Fully adjusted	1.31 (1.25 - 1.39)	1.04 (0.96 - 1.13)	1.05 (0.98 - 1.13)	0.71 (0.67 - 0.76)	1.13 (1.06 - 1.23)
Imputed	1.31 (1.24 - 1.38)	1.02 (0.94 - 1.11)	1.05 (0.98 - 1.12)	0.72 (0.67 - 0.77)	1.13 (1.05 - 1.22)
Home HD					
Unadjusted	1.16 (0.97 - 1.39)	1.79 (1.48 - 2.16)	0.95 (0.76 - 1.20)	0.47 (0.36 - 0.61)	1.56 (1.27 - 1.92)
Partially adjusted	1.10 (0.91 - 1.33)	1.17 (0.96 - 1.42)	0.78 (0.62 - 0.99)	0.34 (0.26 - 0.45)	1.10 (0.89 - 1.36)
Fully adjusted	1.07 (0.88 - 1.30)	1.10 (0.90 - 1.35)	0.73 (0.58 - 0.93)	0.36 (0.27 - 0.48)	0.93 (0.74 - 1.15)
Imputed	1.10 (0.91 - 1.33)	1.09 (0.90 - 1.34)	0.73 (0.58 - 0.93)	0.41 (0.30 - 0.56)	0.94 (0.75 - 1.19)
Any Home Modality					
Unadjusted	1.31 (1.26 - 1.37)	1.11 (1.05 - 1.18)	1.07 (1.01 - 1.13)	0.92 (0.87 - 0.97)	1.23 (1.16 - 1.30)
Partially adjusted	1.20 (1.14 - 1.26)	0.92 (0.85 - 0.99)	0.94 (0.88 - 1.01)	0.78 (0.74 - 0.83)	1.04 (0.97 - 1.11)
Fully Adjusted	1.28 (1.22 - 1.35)	1.04 (0.96 - 1.12)	1.03 (0.96 - 1.10)	0.71 (0.66 - 0.76)	1.12 (1.04 - 1.20)
Imputed	1.28 (1.22 - 1.35)	1.02 (0.95 - 1.11)	1.03 (0.96 - 1.10)	0.72 (0.67 - 0.77)	1.12 (1.04 - 1.20)

Reference: Caucasians

Partially adjusted model: adjusted for clinical characteristics (age, sex, BMI, cause of ESRD, comorbidity conditions)

Fully Adjusted Model: adjusted for age, sex, BMI, cause of ESRD, comorbidity conditions, distance from dialysis center, facility size, income quintile, region within Canada and era.

Supplementary Table 3: Unadjusted, Adjusted and Imputed Hazard Ratios with 95% Confidence Interval for Technique Failure, Death and the Composite Outcome of Technique Failure and Death by Race, Among Patients on PD and Home HD

	Asian	Black	Indian sub-continent	Aboriginal	Other
Peritoneal Dialysis					
Technique failure					
Events	463	277	299	413	243
Unadjusted HR	0.67 (0.61 - 0.74)	1.19 (1.05 - 1.34)	0.90 (0.80 - 1.01)	1.15 (1.04 - 1.27)	0.83 (0.73 - 0.94)
Partially adjusted HR	0.94 (0.86 - 1.04)	1.45 (1.28 - 1.63)	1.11 (0.99 - 1.24)	1.15 (1.04 - 1.27)	1.08 (0.95 - 1.23)
Fully adjusted HR	0.89 (0.82 - 0.99)	1.31 (1.16 - 1.48)	1.02 (0.91 - 1.15)	1.19 (1.06 - 1.33)	1.03 (0.91 - 1.17)
Imputed HR	0.74 (0.67 - 0.82)	1.14 (1.01 - 1.29)	0.91 (0.80 - 1.02)	1.10 (0.98 - 1.23)	0.86 (0.75 - 0.97)
Mortality					
Events	431	121	246	315	152
Unadjusted HR	0.60 (0.54 - 0.66)	0.52 (0.43 - 0.62)	0.72 (0.63 - 0.82)	0.89 (0.80 - 1.00)	0.50 (0.43 - 0.59)
Partially adjusted HR	0.75 (0.67 - 0.82)	0.64 (0.53 - 0.76)	0.91 (0.80 - 1.04)	1.29 (1.15 - 1.45)	0.69 (0.59 - 0.80)
Fully adjusted HR	0.83 (0.75 - 0.92)	0.71 (0.59 - 0.85)	0.98 (0.86 - 1.11)	1.16 (1.02 - 1.32)	0.79 (0.68 - 0.92)
Imputed HR	0.67 (0.60 - 0.74)	0.74 (0.61 - 0.88)	0.88 (0.78 - 1.00)	1.15 (1.01 - 1.31)	0.69 (0.58 - 0.82)
Technique failure or Death					
Unadjusted HR	0.64 (0.59 - 0.68)	0.85 (0.77 - 0.94)	0.81 (0.74 - 0.88)	1.02 (0.95 - 1.10)	0.66 (0.60 - 0.73)
Partially adjusted HR	0.76 (0.71 - 0.81)	1.07 (0.96 - 1.18)	0.99 (0.91 - 1.08)	1.29 (1.19 - 1.39)	0.83 (0.75 - 0.91)
Fully adjusted HR	0.77 (0.72 - 0.82)	1.04 (0.94 - 1.16)	0.97 (0.89 - 1.06)	1.25 (1.15 - 1.36)	0.86 (0.77 - 0.94)
Imputed HR	0.71 (0.67 - 0.77)	0.98 (0.88 - 1.08)	0.89 (0.82 - 1.08)	1.12 (1.03 - 1.22)	0.78 (0.70 - 0.87)
Home Hemodialysis					
Technique failure					
Events	20	32	22	19	16
Unadjusted HR	0.60 (0.38 - 0.94)	1.20 (0.84 - 1.73)	1.23 (0.80 - 1.89)	1.72 (1.08 - 2.73)	0.74 (0.45 - 1.22)
Partially adjusted HR	0.69 (0.44 - 1.10)	1.40 (0.95 - 2.06)	1.52 (0.99 - 2.35)	1.66 (1.04 - 2.66)	0.73 (0.44 - 1.21)
Fully adjusted HR	0.68 (0.43 - 1.08)	1.31 (0.88 - 1.96)	1.42 (0.91 - 2.21)	1.61 (0.97 - 2.67)	0.71 (0.42 - 1.20)

Imputed HR	0.70 (0.45 - 1.11)	1.21 (0.81 - 1.79)	1.27 (0.81 - 2.00)	1.49 (0.91 - 2.43)	0.75 (0.45 - 1.27)
Mortality					
Events	14	10	4	6	8
Unadjusted HR	0.70 (0.40 - 1.20)	0.64 (0.34 - 1.20)	0.39 (0.14 - 1.04)	0.97 (0.43 - 2.19)	0.67 (0.33 - 1.35)
Partially adjusted HR	0.98 (0.57 - 1.69)	0.79 (0.40 - 1.57)	0.46 (0.17 - 1.27)	0.97 (0.45 - 2.08)	0.73 (0.38 - 1.40)
Fully adjusted HR	1.03 (0.59 - 1.79)	0.92 (0.44 - 1.89)	0.56 (0.20 - 1.57)	0.95 (0.43 - 2.11)	0.75 (0.39 - 1.46)
Imputed HR	1.10 (0.64 - 1.89)	1.06 (0.54 - 2.09)	0.62 (0.23 - 1.68)	0.96 (0.43 - 2.13)	0.89 (0.43 - 1.84)
Technique failure or Death					
Unadjusted HR	0.64 (0.45 - 0.90)	0.99 (0.73 - 1.36)	0.92 (0.62 - 1.36)	1.45 (0.97 - 2.17)	0.71 (0.47 - 1.07)
Partially adjusted HR	0.78 (0.55 - 1.11)	1.32 (0.94 - 1.86)	1.17 (0.76 - 1.78)	1.54 (1.05 - 2.24)	0.73 (0.49 - 1.08)
Fully adjusted HR	0.77 (0.54 - 1.10)	1.31 (0.92 - 1.86)	1.16 (0.76 - 1.77)	1.50 (1.02 - 2.21)	0.74 (0.50 - 1.11)
Imputed HR	0.81 (0.57 - 1.16)	1.15 (0.83 - 1.60)	1.06 (0.70 - 1.60)	1.32 (0.90 - 1.94)	0.79 (0.53 - 1.19)

Reference: Caucasians

Partially adjusted model: adjusted for clinical characteristics (age, sex, BMI, cause of ESRD, comorbidity conditions)

Fully adjusted model for PD: adjusted for age, sex, BMI, cause of ESRD, comorbidity conditions, distance from dialysis center, facility size, income quintile, region within Canada, era, type of PD and timing of starting PD.

Fully adjusted model for home HD: adjusted for age, sex, BMI, cause of ESRD, comorbidity conditions, distance from dialysis center, facility size, income quintile, region within Canada, era, type of home HD and timing of starting home HD.

Supplementary Table 4: Association between Race and Treatment with PD and Home HD when treated for at least 90 days of PD or Home HD

	Asian	Black	Indian sub-continent	Aboriginal	Other
Peritoneal Dialysis					
Unadjusted	1.40 (1.34 - 1.46)	1.08 (1.00 - 1.16)	1.09 (1.03 -1.16)	0.98 (0.93 - 1.04)	1.24 (1.16 - 1.32)
Fully adjusted	1.37 (1.29 - 1.45)	1.01 (0.93 - 1.10)	1.07 (0.99 - 1.15)	0.74 (0.69 - 0.79)	1.14 (1.05 - 1.23)
Home Hemodialysis					
Unadjusted	1.22 (1.01 - 1.47)	1.58 (1.28 - 1.95)	0.92 (0.72 - 1.17)	0.43 (0.32 - 0.58)	1.63 (1.32-2.01)
Fully adjusted	1.13 (0.93 - 1.38)	0.98 (0.78 - 1.22)	0.71 (0.56-0.92)	0.33 (0.24 - 0.45)	0.97 (0.78 - 1.22)

Reference: Caucasians

Fully Adjusted Model: adjusted for age, sex, BMI, cause of ESRD, comorbidity conditions, distance from dialysis center, facility size, income quintile, region within Canada and era.

Supplementary Table 5: Association of Race with Clinical Outcomes of Technique Failure and Mortality when treated for at least 90 days of PD or Home HD

	Asian	Black	Indian sub-continent	Aboriginal	Other
Peritoneal Dialysis					
Technique failure					
Unadjusted HR	0.70 (0.63 - 0.77)	1.18 (1.04 - 1.35)	0.88 (0.78 - 1.00)	1.20 (1.08 - 1.34)	0.81 (0.71 - 0.94)
Fully adjusted HR	0.96 (0.86 - 1.06)	1.31 (1.14 - 1.49)	1.03 (0.90 - 1.17)	1.22 (1.08 - 1.38)	1.03 (0.90 - 1.18)
Mortality					
Unadjusted HR	0.60 (0.54 - 0.66)	0.54 (0.45 - 0.65)	0.72 (0.63 - 0.82)	0.92 (0.82 - 1.04)	0.50 (0.42 - 0.59)
Fully adjusted HR	0.81 (0.73 - 0.90)	0.72 (0.60 - 0.88)	0.97 (0.85 - 1.11)	1.16 (1.02 - 1.33)	0.78 (0.66 - 0.91)
Technique failure or Death					
Unadjusted HR	0.65 (0.60 - 0.69)	0.85 (0.77 - 0.95)	0.80 (0.73 - 0.87)	1.06 (0.98 - 1.15)	0.65 (0.58 - 0.72)
Fully adjusted HR	0.80 (0.74 - 0.86)	1.04 (0.93 - 1.16)	0.97 (0.88 - 1.06)	1.29 (1.18 - 1.41)	0.84 (0.76 - 0.93)
Home Hemodialysis					
Technique failure					
Unadjusted HR	0.56 (0.33 - 0.94)	0.63 (0.36 - 1.10)	1.01 (0.59 - 1.73)	1.72 (1.01 - 2.95)	0.78 (0.45 - 1.36)
Fully adjusted HR	0.65 (0.39 - 1.10)	0.76 (0.43 - 1.36)	1.31 (0.77 - 2.24)	1.52 (0.83 - 2.80)	0.78 (0.43 - 1.41)
Mortality					
Unadjusted HR	0.77 (0.45 - 1.33)	0.65 (0.33 - 1.27)	0.33 (0.11 - 1.03)	1.13 (0.50 - 2.55)	0.76 (0.37 - 1.55)
Fully adjusted HR	1.19 (0.67 - 2.12)	1.23 (0.56 - 2.70)	0.47 (0.14 - 1.56)	1.11 (0.48 - 2.52)	0.95 (0.50 - 1.79)
Technique failure or Death					
Unadjusted HR	0.64 (0.44 - 0.94)	0.64 (0.42 - 0.98)	0.74 (0.46 - 1.20)	1.49 (0.95 - 2.33)	0.77 (0.50 - 1.20)
Fully adjusted HR	0.84 (0.57 - 1.23)	0.95 (0.61 - 1.49)	1.00 (0.61 - 1.64)	1.51 (0.96 - 2.38)	0.86 (0.55 - 1.33)

Reference: Caucasians

Fully adjusted model for PD: adjusted for age, sex, BMI, cause of ESRD, comorbidity conditions, distance from dialysis center, facility size, income quintile, region within Canada, era, type of PD and timing of starting PD.

Fully adjusted model for home HD: adjusted for age, sex, BMI, cause of ESRD, comorbidity conditions, distance from dialysis center, facility size, income quintile, region within Canada, era, type of home HD and timing of starting home HD.