

Supplementary table 1. Joint modeling of repeatedly measured serum albumin and PD failure or death

Variable	Diabetes		Non-diabetes		Without HD previous		Total	
	Estimate (95% CI)	HR	Estimate (95% CI)	HR	Estimate (95% CI)	HR	Estimate (95% CI)	HR
Longitudinal submodel								
Time on CAPD	-0.00003* (-0.00012, 0.00005)	-	-0.00009* (-0.00014, -0.00003)	-	-0.00008* (-0.00001, -0.00002)	-	-0.00006* (-0.00010, -0.00001)	-
Gender (male)	0.039 (-0.104, 0.187)	-	-0.051 (-0.150, 0.047)	-	0.019 (-0.081, 0.120)	-	-0.015 (-0.096, 0.065)	-
Age at PD initiation (yr)	-0.004 (-0.011, 0.003)	-	-0.008* (-0.011, -0.005)	-	-0.007* (-0.011, -0.003)	-	-0.006* (-0.009, -0.004)	-
Previous HD	-0.109 (-0.278, 0.066)	-	0.003 (-0.106, 0.104)	-	-	-	-0.048 (-0.139, 0.047)	-
Diabetes mellitus	-	-	-	-	-0.060 (-0.173, 0.049)	-	-0.087 (-0.178, 0.002)	-
nPCR (g/kg/d)	0.102 (-0.117, 0.313)	-	0.128 (-0.002, 0.258)	-	0.073 (-0.055, 0.198)	-	0.124* (0.003, 0.240)	-
Cardiovascular disease	-0.053 (-0.202, 0.094)	-	-0.018 (-0.151, 0.115)	-	-0.094 (-0.212, 0.027)	-	-0.058 (-0.153, 0.038)	-
BMI (kg/m ²)	0.015 (-0.002, 0.029)	-	0.011* (0.000, 0.020)	-	0.008 (-0.0006, 0.018)	-	0.011* (0.004, 0.020)	-
Survival submodel (Transfer to HD)								
Gender (male)	-0.120 (-1.058, 0.893)	0.887	0.080 (-0.683, 0.823)	1.084	-0.483 (-1.217, 0.232)	0.617	-0.063 (-0.671, 0.522)	0.939
Age at PD initiation (yr)	-0.004 (-0.058, 0.055)	0.996	-0.029* (-0.052, -0.007)	0.971	-0.014 (-0.039, 0.010)	0.986	-0.021* (-0.040, -0.002)	0.979
Previous HD	0.042 (-1.281, 1.226)	1.043	-0.047 (-0.944, 0.752)	0.954	-	-	0.038 (-0.610, 0.680)	1.039
Diabetes mellitus	-	-	-	-	0.315 (-0.441, 1.063)	1.370	-0.178 (-0.923, 0.507)	0.837
nPCR (g/kg/d)	-1.692 (-5.864, 2.568)	0.184	-2.186 (-5.536, 0.405)	0.112	-1.382 (-4.169, 0.951)	0.251	-1.062 (-3.335, 0.985)	0.346
Cardiovascular disease	1.309* (0.275, 2.450)	3.702	-0.171 (-1.674, 1.003)	0.843	0.195 (-0.658, 1.006)	1.215	0.546 (-0.122, 1.222)	1.726
BMI (kg/m ²)	0.014 (-0.144, 0.165)	1.014	0.006 (-0.065, 0.074)	1.006	-0.005 (-0.058, 0.045)	0.995	0.015 (-0.051, 0.079)	1.015
Association parameter	-0.720* (-0.971, -0.472)	0.487	-0.784* (-0.963, -0.587)	0.457	-0.840* (-0.978, -0.702)	0.432	-0.653* (-0.884, -0.411)	0.521
Survival submodel (Death from all causes)								
Gender (male)	-0.245 (-0.910, 0.412)	0.783	0.072 (-0.535, 0.682)	1.075	-0.168 (-0.777, 0.425)	0.845	-0.182 (-0.621, 0.280)	0.834
Age at PD initiation (yr)	0.019 (-0.020, 0.060)	1.019	0.034* (0.016, 0.052)	1.034	0.038* (0.010, 0.066)	1.038	0.029* (0.013, 0.047)	1.030
Previous HD	1.035* (0.207, 1.836)	2.815	0.588 (-0.044, 1.222)	1.800	-	-	0.736* (0.273, 1.191)	2.088
Diabetes mellitus	-	-	-	-	-0.025 (-0.625, 0.590)	0.976	0.225 (-0.215, 0.679)	1.253
nPCR (g/kg/d)	-0.263 (-3.541, 2.999)	0.769	-0.923 (-2.859, 0.822)	0.397	-0.537 (-2.464, 1.3)	0.585	-0.031 (-1.740, 1.503)	0.969
Cardiovascular disease	0.693* (0.034, 1.354)	1.999	0.841* (0.167, 1.486)	2.318	0.982* (0.391, 1.572)	2.670	0.603* (0.158, 1.048)	1.827
BMI (kg/m ²)	0.025 (-0.082, 0.134)	1.025	-0.072 (-0.145, 0.000)	0.931	-0.006 (-0.057, 0.045)	1.263	-0.011 (-0.063, 0.040)	0.989
Association parameter	-0.279* (-0.469, -0.114)	0.757	-0.169* (-0.340, -0.032)	0.844	-0.338* (-0.540, -0.158)	0.713	-0.355* (-0.567, -0.228)	0.701

BMI, body mass index; CAPD, continuous ambulatory peritoneal dialysis; CI, Bayesian confidence interval; HD, hemodialysis; HR, hazards ratio; nPCR, normalized protein catabolic ratio; PD, peritoneal dialysis.

*Statistically significance at level 0.05.