

Table S4. Hazard Ratios for Death using time-updated eGFR and ESRD status

Death	ESRD	Category 1 (≤24.3)	Category 2 (24.4-31.6)	Category 3 (31.7-40.2)	Category 4 (≥40.3)	Overall p
Overall	5.45 (4.30-6.92)	1.62 (1.29-2.03)	1.31 (1.03-1.69)	1.22 (0.94-1.56)	-ref-	<0.001
CV Death	4.36 (3.15-6.05)	1.62 (1.20-2.19)	1.34 (0.97-1.86)	1.19 (0.85-1.66)	-ref-	<0.001
Fatal MI	5.22 (2.22-12.29)	1.83 (0.83-4.03)	1.04 (0.41-2.62)	0.69 (0.24-1.93)	-ref-	<0.001
Fatal Stroke	12.52 (3.43-45.78)	3.46 (0.99-12.15)	2.42 (0.63-9.38)	2.75 (0.73-10.36)	-ref-	<0.001
Presumed CV	4.44 (1.72-11.47)	1.95 (0.81-4.71)	1.78 (0.70-4.53)	1.48 (0.56-3.88)	-ref-	0.004
Pump Failure	2.52 (1.09-5.82)	1.21 (0.58-2.52)	1.45 (0.69-3.04)	1.28 (0.60-2.74)	-ref-	0.13
CV other	9.36 (2.89-30.30)	0.35 (0.07-1.78)	0.81 (0.22-3.03)	1.00 (0.29-3.45)	-ref-	0.03
Definite Sudden Death	3.68 (2.13-6.36)	1.54 (0.94-2.52)	1.03 (0.59-1.82)	1.07 (0.61-1.88)	-ref-	<0.001
Presumed Sudden Death	3.27 (0.79-13.43)	2.48 (0.80-7.68)	2.58 (0.81-8.24)	1.29 (0.35-4.80)	-ref-	0.04
Definite or Presumed Sudden Death	3.65 (2.20-6.08)	1.67 (1.06-2.63)	1.26 (0.76-2.07)	1.10 (0.66-1.85)	-ref-	<0.001
Non-CV	8.78 (5.96-12.94)	1.66 (1.12-2.46)	1.21 (0.78-1.87)	1.22 (0.79-1.89)	-ref-	<0.001
Infection	13.84 (6.76-28.31)	2.29 (1.11-4.72)	1.35 (0.59-3.07)	1.02 (0.43-2.46)	-ref-	<0.001
Malignancy	1.50 (0.59-3.83)	1.05 (0.51-2.16)	1.12 (0.53-2.38)	1.03 (0.48-2.23)	-ref-	0.56
Other	6.41 (3.30-12.42)	1.54 (0.80-2.94)	1.12 (0.54-2.31)	1.54 (0.78-3.03)	-ref-	<0.001
Renal Unknown	999 2.18 (0.92-5.19)	999 1.46 (0.67-3.16)	999 1.54 (0.69-3.43)	0 1.37 (0.60-3.12)	-ref- -ref-	<0.001 0.12

Cox proportional hazard models using time vary estimates of eGFR.