

**Table S2. Associations between time-dependent repeated measures of HbA1c and pre-ESRD mortality**

	<6% HR (95% CI)	6-6.9%	7-7.9% HR (95% CI)	8-8.9% HR (95% CI)	>9% HR (95% CI)
All patients	1.38 (1.14, 1.68)	Ref	0.93 (0.78, 1.11)	1.03 (0.82, 1.29)	1.35 (1.07, 1.71)

\*Adjusted for age, race, sex, coronary artery disease, congestive heart failure, cerebrovascular disease, peripheral vascular disease, smoking, BMI group, use of angiotensin converting enzyme inhibitors/angiotensin receptor blockers (ACEI/ARBs), statins and beta blockers, albumin, hemoglobin, eGFR and albuminuria. Estimates combine using MIanalyze on the 5 imputed datasets