

eTable 3. Association of Retinal Microvascular Abnormality and its Subtypes with All-Cause and Cause-Specific Mortality
After Excluding Participants With Cancer or Malignancy at Baseline

	Hazard Ratio (95% CI)									
	Any RMA		Retinopathy		AVN		FAN		Hollenhorst plaque	
Model	Absent	Present	Absent	Present	Absent	Present	Absent	Present	Absent	Present
All-cause mortality										
Deaths, No./total No.	767/3962	387/1074	896/4355	228/625	953/4490	195/533	1104/4953	34/52	1138/5012	12/16
Model 1 ^a	1 [Ref]	1.48 (1.32-1.67)	1 [Ref]	1.85 (1.53-2.24)	1 [Ref]	1.18 (1.01-1.38)	1 [Ref]	1.20 (0.87-1.66)	1 [Ref]	2.60 (1.36-4.98)
Model 2 ^b	1 [Ref]	1.47 (1.22-1.77)	1 [Ref]	1.85 (1.49-2.29)	1 [Ref]	1.18 (0.93-1.50)	1 [Ref]	1.24 (0.68-2.28)	1 [Ref]	1.92 (0.96-3.85)
Model 3 ^c	1 [Ref]	1.30 (1.09-1.55)	1 [Ref]	1.53 (1.25-1.87)	1 [Ref]	1.17 (0.92-1.49)	1 [Ref]	1.28 (0.79-2.09)	1 [Ref]	1.37 (0.45-4.20)
CVD mortality										
Deaths, No./total No.	232/3962	140/1074	278/4355	85/625	296/4490	75/533	357/4953	9/52	366/5012	5/16
Model 1 ^a	1 [Ref]	1.64 (1.28-2.12)	1 [Ref]	2.27 (1.78-2.90)	1 [Ref]	1.26 (0.87-1.82)	1 [Ref]	0.80 (0.41-1.56)	1 [Ref]	3.12 (1.24-7.87)
Model 2 ^b	1 [Ref]	1.46 (1.09-1.94)	1 [Ref]	1.97 (1.38-2.80)	1 [Ref]	1.24 (0.85-1.82)	1 [Ref]	0.92 (0.48-1.77)	1 [Ref]	2.43 (0.91-6.54)
Model 3 ^c	1 [Ref]	1.30 (0.95-1.78)	1 [Ref]	1.71 (1.10-2.66)	1 [Ref]	1.23 (0.80-1.91)	1 [Ref]	0.95 (0.51-1.76)	1 [Ref]	1.94 (0.38-9.92)
Cancer mortality										
Deaths, No./total No.	162/3962	66/1074	186/4355	33/625	195/4490	33/533	223/4953	3/52	225/5012	2/16
Model 1 ^a	1 [Ref]	1.11 (0.80-1.54)	1 [Ref]	1.05 (0.69-1.60)	1 [Ref]	0.94 (0.56-1.56)	1 [Ref]	NA	1 [Ref]	NA
Model 2 ^b	1 [Ref]	1.07 (0.66-1.73)	1 [Ref]	0.80 (0.42-1.52)	1 [Ref]	1.21 (0.67-2.16)	1 [Ref]	NA	1 [Ref]	NA
Model 3 ^c	1 [Ref]	1.06 (0.61-1.82)	1 [Ref]	0.81 (0.42-1.58)	1 [Ref]	1.18 (0.63-2.22)	1 [Ref]	NA	1 [Ref]	NA
Other mortality										
Deaths, No./total No.	373/3962	181/1074	432/4355	110/625	462/4490	87/533	524/	22/52	547/5012	5/11
Model 1 ^a	1 [Ref]	1.54 (1.25-1.90)	1 [Ref]	1.93 (1.49-2.50)	1 [Ref]	1.22 (0.90-1.67)	1 [Ref]	1.71 (1.11-2.65)	1 [Ref]	1.86 (0.67-5.12)
Model 2 ^b	1 [Ref]	1.66 (1.23-2.25)	1 [Ref]	2.25 (1.71-2.98)	1 [Ref]	1.13 (0.76-1.69)	1 [Ref]	1.82 (0.78-4.26)	1 [Ref]	2.17 (0.80-5.91)
Model 3 ^c	1 [Ref]	1.42 (1.05-1.93)	1 [Ref]	1.74 (1.28-2.37)	1 [Ref]	1.14 (0.79-1.63)	1 [Ref]	1.94 (0.93-4.05)	1 [Ref]	1.49 (0.38-5.85)

Abbreviation: AVN, arteriovenous nicking; CI, confidence interval; CVD, cardiovascular disease; FAN, focal arteriolar narrowing;

NA, not applicable; Ref, reference.

^a Adjusted for age (continuous), sex (male or female), and race (non-Hispanic White, non-Hispanic Black, Mexican American, or other).

^b Further adjusted for educational level (<high school, high school, or $\geq$ some college), marital status (married/living with partner, or widowed/divorced/separated/never married), family income level (IPR <1.3, 1.3-3.5, or $\geq$ 3.5), body mass index (calculated as weight in kilograms divided by height in meters squared: <25.0, 25.0-29.9, or $\geq$ 30.0), smoking status (never, past, or current), alcohol consumption (never, former, or current).

^c Further adjusted for general health condition (excellent to good, or fair/poor), diabetes (yes or no), hypertension (yes or no), hypercholesteremia (yes or no), histories of congestive heart failure (yes or no), coronary heart disease (yes or no), angina (yes or no), heart attack (yes or no), and stroke (yes or no).