

**SUPPLEMENTAL MATERIAL**

<b>Supplemental Table 5. Multivariable Cox Proportional Hazard Regression for Cerebrovascular Recurrence, Cardiovascular Recurrence, and Both Combined, with Death as a Competing Risk – Full Table (N=12,337) *</b>			
	<b>Model 1 – Recurrent Cardiovascular Event<sup>†</sup></b>	<b>Model 2 – Recurrent Cerebrovascular Event<sup>‡</sup></b>	<b>Model 3 – Recurrence of Either Vascular Event<sup>§</sup></b>
Characteristic	<b>HR (95% CI)</b>		
<i>Systolic Blood Pressure Groupings (mmHg)</i>			
≤ 105	0.90 (0.63,1.30)	0.87 (0.51, 1.47)	0.92 (0.55, 1.53)
106 to ≤ 115	0.95 (0.74,1.21)	0.99 (0.71, 1.38)	0.89 (0.62, 1.28)
116 to ≤ 130	0.92 (0.77, 1.10)	<b>0.77 (0.60, 0.99)</b>	1.09 (0.84, 1.41)
131 to ≤ 140	1.02 (0.84, 1.23)	1.10 (0.86, 1.40)	0.89 (0.66, 1.19)
> 140	Ref	Ref	Ref
<i>Sociodemographic</i>			
Age	<b>1.01 (1.00, 1.02)</b>	<b>1.01 (1.00, 1.02)</b>	<b>1.01 (1.00, 1.02)</b>
Sex			
Female	Ref	Ref	Ref
Male	0.79 (0.57, 1.10)	0.81 (0.54, 1.22)	0.81 (0.48, 1.37)
Race			
White	Ref	Ref	Ref
Black	1.18 (1.01, 1.39)	1.33 (1.09, 1.63)	0.98 (0.76, 1.27)
Asian	1.14 (0.51, 2.56)	1.50 (0.56, 4.02)	0.86 (0.21, 3.45)
Other	0.56 (0.18, 1.79)	0.70 (0.18, 2.75)	0.39 (0.05, 2.96)
Unknown	1.15 (0.82, 1.62)	0.82 (0.48, 1.40)	1.58 (1.01, 2.46)
Hispanic			
No	Ref	Ref	Ref
Yes	1.06 (0.83, 1.36)	1.15 (0.82, 1.61)	1.06 (0.73, 1.54)
<i>Healthcare Utilization</i>			
Number of ED Presentations in 1-Year prior to Presentation	<b>1.09 (1.07, 1.11)</b>	<b>1.07 (1.05, 1.10)</b>	<b>1.11 (1.08, 1.13)</b>
ED Presentation of Index Event			
No	Ref		
Yes	<b>1.33 (1.02, 1.73)</b>	—	—
<i>Past Medical History<sup>  </sup></i>			
Ischemic Stroke			
No	—	Ref	—
Yes	—	<b>1.26 (1.04, 1.52)</b>	
Hemiplegia			
No	—	—	Ref
Yes	—	—	<b>0.72 (0.58, 0.90)</b>
Diabetes			
No	Ref	Ref	—
Yes	<b>1.28 (1.10, 1.50)</b>	<b>1.47 (1.23, 1.77)</b>	—
Atrial Fibrillation			

No	Ref		Ref
Yes	<b>1.34 (1.12, 1.59)</b>	—	<b>1.65 (1.29, 2.12)</b>
CHF			
No	Ref		Ref
Yes	<b>1.76 (1.46, 2.12)</b>		<b>2.77 (2.13, 3.61)</b>
MI			
No	Ref	—	Ref
Yes	<b>1.45 (1.17, 1.80)</b>	—	<b>1.65 (1.23, 2.21)</b>
Current Smoker			
No	—	Ref	—
Yes	—	<b>1.32 (1.09, 1.61)</b>	—
CCI	<b>1.05 (1.02, 1.09)</b>	—	<b>1.10 (1.05, 1.14)</b>
APACHE	<b>1.01 (1.00, 1.02)</b>	—	<b>1.02 (1.01, 1.04)</b>
<i>Concomitant illness within 1-day of Cerebrovascular Event Presentation</i>			
No	Ref		Ref
Yes	<b>1.71 (1.24, 2.34)</b>	—	<b>1.90 (1.31, 2.76)</b>

\* Abbreviations: Hazard ratio (HR); confidence interval (CI); Ref (referent); Emergency Department (ED); congestive heart failure (CHF); myocardial infarction (MI); Charlson Comorbidity Index (CCI); Acute Physiology and Chronic Health Evaluation (APACHE).

† Model 1 – Recurrent cerebrovascular events only with death as a competing risk.

‡ Model 2 – Recurrent cardiovascular events only with death as a competing risk.

§ Model 3 – Combined recurrent cerebrovascular events and recurrent cardiovascular events with death as a competing risk.

|| Past Medical History variables identified by *International Classification of Diseases, 9<sup>th</sup> Edition* code.