

SUPPLEMENTAL MATERIAL

Table S1. Characteristics of the Study Cohort According to AF Status. *

	AF (n =2,491)	No AF (n =985,599)
Demographics		
Age (years) [‡]	37.87 ± 11.53	30.16 ± 9.39
Male	2,391 (95.99)	865,579 (87.82)
Race/Ethnicity		
White/Caucasian	1,618 (64.95)	635,495 (64.48)
Black	477 (19.15)	155,394 (15.77)
Hispanic	216 (8.67)	108,963 (11.06)
Other	147 (5.90)	61,646 (6.25)
Unknown	33 (1.32)	24,101 (2.45)
Married	1,501 (64.12)	449,800 (50.14)
Cardiovascular Comorbidities		
Hypertension [†]	930 (37.33)	124,684 (12.65)
MI [†]	30 (1.20)	617 (0.06)
CHF [†]	109 (4.38)	963 (0.10)
CAD [†]	124 (4.98)	2,946 (0.30)
Diabetes [†]	199 (7.99)	27,518 (2.79)
OSA [†]	525 (21.08)	89,420 (9.07)
Stroke [†]	96 (3.85)	2,301 (0.23)
PVD [†]	49 (1.97)	1,589 (0.16)
CHA₂DS₂-VASc		
0	1,369 (54.96)	740,313 (75.11)
1	798 (32.04)	214,810 (21.79)
≥2	324 (13.01)	30,476 (3.09)
Medications		
Antihypertensive therapy [†]	1,045 (41.95)	120,984 (12.28)
SSRI/SNRI [†]	1,033 (41.47)	357,966 (36.32)
Lifestyle factors		
Obesity	1,114 (44.72)	255,516 (25.92)
Substance use		
Alcohol abuse [†]	326 (13.09)	103,137 (10.46)
Drug abuse [†]	101 (4.05)	49,909 (5.06)
Smoking status [§]		
Current	815 (37.52)	308,888 (42.33)
Former	350 (16.11)	104,355 (14.30)
Never	1,007 (46.36)	316,486 (43.37)
Psychiatric comorbidities		
Major depression [†]	256 (10.28)	89,089 (9.04)

myocardial infarction (MI), obstructive sleep apnea (OSA), congestive heart failure (CHF), coronary artery disease (CAD), stroke (ischemic stroke/transient ischemic attacks), peripheral vascular disease (PVD), and selective serotonin reuptake inhibitors /serotonin and norepinephrine reuptake inhibitors (SSRI/SNRI). *Data presented are N (%) unless otherwise indicated. [‡]Data are presented as Mean ± SD. [†]Data refer to diagnoses and prescriptions that occurred during the follow-up period prior to the index AF event. [§]Defined as positive for smoking tobacco within 180 days of baseline.

Table S2. Results of sensitivity analysis showing hazard ratios and 95% CIs for full model with adjustment for healthcare utilization.

	HR (95% CI)	P Value
PTSD [†]	1.11 (1.00-1.22)	0.04
Healthcare utilization*	1.01 (1.01-1.02)	<.0001
<i>Demographics</i>		
Age	1.05 (1.05-1.06)	<.0001
Female	0.38 (0.31-0.46)	<.0001
Black	0.85 (0.76-0.94)	0.002
Hispanic	0.67 (0.58-0.77)	<.0001
Other	0.81 (0.69-0.96)	0.02
Unknown	0.74 (0.53-1.05)	0.11
<i>Clinical factors</i>		
Hypertension [†]	2.37 (2.14-2.61)	<.0001
CAD [†]	4.46 (3.62-5.48)	<.0001
MI [†]	4.12 (2.80-6.18)	<.0001
Diabetes [†]	1.09 (0.94-1.28)	0.27
OSA [†]	1.67 (1.50-1.85)	<.0001
<i>Lifestyle factors</i>		
Obesity	1.20 (1.11-1.30)	<.0001
Alcohol abuse	1.79 (1.57-2.05)	<.0001
Drug abuse	1.18 (0.95-1.47)	0.14
Current smoker	0.89 (0.82-0.98)	0.01
Former smoker	0.98 (0.88-1.10)	0.78
<i>Psychiatric comorbidities</i>		
Major depression [†]	1.09 (0.95-1.26)	0.21

coronary artery disease (CAD), myocardial infarction (MI), and obstructive sleep apnea (OSA).

[†]Diagnoses occurred prior to the index ischemic stroke event and are time-dependent.

*Healthcare utilization was defined as the total number of primary care visits recorded during the first two years of cohort enrollment.