Supplementary file 1-4. Multivariable hazards ratio for stroke associated with atrial fibrillation, according to ejection fraction groups

	HFrEF		HFmrEF		HFpEF	
Variable	**HR (95% CI)**	***P*-value**	**HR (95% CI)**	***P*-value**	**HR (95% CI)**	***P*-value**
Atrial fibrillation	1.534 (1.028–2.290)	0.036	1.039 (0.567–1.906)	0.901	1.898 (1.125–3.203)	0.016
Sex, male	0.880 (0.546–1.419)	0.600	0.615 (0.294–1.285)	0.196	0.935 (0.485–1.804)	0.842
Age, ≥80 yrs	0.962 (0.591–1.566)	0.877	0.933 (0.503–1.733)	0.827	1.049 (0.630–1.747)	0.855
NYHA functional class						
III vs II	1.051 (0.582–1.899)	0.869	1.062 (0.429–2.629)	0.896	0.982 (0.523–1.846)	0.956
IV vs II	1.216 (0.682–2.168)	0.508	1.484 (0.616–3.576)	0.379	0.887 (0.471–1.672)	0.711
Hypertension	1.138 (0.769–1.684)	0.517	1.150 (0.616–2.147)	0.661	1.366 (0.780–2.394)	0.275
Diabetes mellitus	1.161 (0.772–1.744)	0.474	1.353 (0.725–2.527)	0.342	0.629 (0.350–1.131)	0.122
Ischemic heart disease	1.393 (0.905–2.144)	0.132	0.897 (0.448–1.798)	0.760	0.947 (0.536–1.671)	0.850
Renal failure	1.576 (0.964–2.576)	0.070	0.844 (0.337–2.117)	0.718	0.984 (0.429–2.256)	0.969
Cancer	1.668 (0.978–2.846)	0.060			1.935 (0.899–4.165)	0.092
Prior stroke	1.873 (1.238–2.834)	0.003	1.925 (1.090–3.400)	0.024	1.652 (0.948–2.879)	0.076
Heart rate	0.999 (0.992–1.006)	0.783	0.998 (0.987–1.009)	0.701	1.006 (0.996–1.015)	0.256
Systolic blood pressure	1.008 (0.999–1.017)	0.069	1.004 (0.991–1.016)	0.571	1.007 (0.997–1.018)	0.174
diastolic blood pressure	0.990 (0.976–1.003)	0.136	1.010 (0.991–1.030)	0.298	0.997 (0.980–1.015)	0.763
Body mass index	0.981 (0.932–1.031)	0.445	1.010 (0.943–1.082)	0.772	0.956 (0.898–1.018)	0.158
White blood cells	1.029 (0.986–1.075)	0.189	1.002 (0.938–1.072)	0.942	0.968 (0.895–1.047)	0.417
HbA1c	0.992 (0.939–1.048)	0.773	0.957 (0.882–1.038)	0.287	1.075 (0.993–1.165)	0.073
Potassium	1.193 (0.913–1.560)	0.196	0.948 (0.632–1.421)	0.796	0.981 (0.668–1.442)	0.923
Sodium ≥135 mmol/L	0.891 (0.578–1.371)	0.599	1.045 (0.525–2.084)	0.900	0.980 (0.518–1.853)	0.951
Hemoglobin ≥12 g/dL	1.262 (0.826–1.927)	0.282	0.848 (0.468–1.538)	0.588	0.833 (0.516–1.345)	0.455
Blood urea nitrogen ≥26 mg/dL	0.994 (0.651–1.517)	0.978	1.438 (0.747–2.768)	0.277	0.923 (0.494–1.726)	0.802
Creatinine ≥2 mg/dL	0.610 (0.315–1.182)	0.143	1.556 (0.558–4.342)	0.398	0.816 (0.251–2.656)	0.735
BNP >900 pg/mL or NTproBNP >5000 pg/mL	0.957 (0.651–1.406)	0.823	0.756 (0.430–1.328)	0.330	0.732 (0.419–1.276)	0.271
ACEI or ARB	1.013 (0.623–1.648)	0.959	0.807 (0.455–1.429)	0.462	0.760 (0.471–1.225)	0.260
Beta-blockers	1.057 (0.716–1.559)	0.781	1.009 (0.567–1.796)	0.974	1.167 (0.728–1.871)	0.521
Aldosterone antagonist	1.133 (0.775–1.656)	0.520	1.452 (0.843–2.500)	0.179	0.915 (0.573–1.460)	0.710
Nitrate	1.019 (0.702–1.478)	0.922	1.023 (0.592–1.767)	0.936	1.350 (0.829–2.199)	0.227
Diuretic	1.652 (0.508–5.369)	0.404	0.814 (0.297–2.229)	0.689	0.806 (0.340–1.909)	0.624

Anticoagulant	1.363 (0.910–2.041)	0.133	1.977 (1.048–3.731)	0.035	1.024 (0.633–1.657)	0.921
Antiplatelet	0.821 (0.528–1.275)	0.380	0.843 (0.432–1.645)	0.617	1.298 (0.778–2.167)	0.318
Statin	1.089 (0.731–1.622)	0.676	1.242 (0.673–2.290)	0.488	1.288 (0.766–2.164)	0.340
Smoking status						
Ex vs current	1.225 (0.740–2.027)	0.429	1.165 (0.498–2.725)	0.725	1.203 (0.499–2.902)	0.680
Never vs current	0.868 (0.498–1.512)	0.617	0.663 (0.279–1.578)	0.353	0.695 (0.284–1.700)	0.425
Alcohol consumption						
Social vs heavy	1.159 (0.561–2.393)	0.691	0.409 (0.173–0.965)	0.041	2.369 (0.543–10.336)	0.251
Never vs heavy	1.229 (0.569–2.652)	0.599	0.371 (0.153–0.897)	0.028	3.339 (0.751–14.853)	0.113

ACEI, Angiotensin-converting enzyme inhibitor; ARB, Angiotensin receptor blockers; BNP, brain natriuretic peptide; NT-proBNP, N-terminal prohormone of brain natriuretic peptide; EF, ejection fraction; HFrEF, heart failure with reduced ejection fraction; HFmrEF, heart failure with mid-range ejection fraction; HFpEF, heart failure with preserved ejection fraction; HR, hazard ratio; NYHA, New York Heart Association.