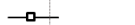
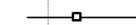

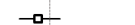
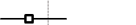
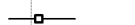



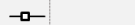


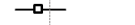
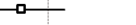
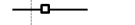

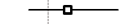
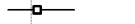


Supplementary file 3-1. The all-cause mortality rates according to AF status in patients with HF_rEF, HF_{mr}EF, and HF_pEF (Continued)

Subgroup	HF _r EF (EF<40%)				HF _{mr} EF (EF 40-49%)				HF _p EF (EF≥50%)			
	Cases (%)		Hazard Ratios (AF vs. without AF)	P _{interaction}	Cases (%)		Hazard Ratios (AF vs. without AF)	P _{interaction}	Cases (%)		Hazard Ratios (AF vs. without AF)	P _{interaction}
	Without AF	With AF			Without AF	With AF			Without AF	With AF		
Age												
<65 years	247 (27.5)	80 (24.8)		0.671	51 (32.9)	20 (32.8)		0.780	53 (27.5)	29 (24.4)		0.497
≥65 years	920 (67.4)	362 (60.4)			231 (62.1)	169 (58.9)			335 (60.9)	309 (62.4)		
Sex												
Male	698 (51.3)	267 (45.3)		0.112	136 (51.3)	87 (58.4)		0.131	146 (49.7)	132 (57.9)		0.053
Female	469 (52.1)	175 (52.7)			146 (55.7)	102 (51.3)			242 (53.9)	206 (53.4)		
Location												
De novo HF	500 (40.9)	141 (34.5)		0.420	154 (47.0)	76 (46.3)		0.956	224 (47.3)	122 (45.2)		0.570
ADHF	667 (64.2)	301 (58.8)			128 (64.3)	113 (61.4)			164 (61.0)	216 (62.8)		
Hypertension												
No	392 (42.6)	151 (38.7)		0.542	74 (44.8)	67 (54.9)		0.152	101 (41.7)	107 (51.7)		0.093
Yes	775 (57.8)	291 (54.8)			208 (57.5)	122 (54.0)			287 (57.3)	231 (56.8)		
Diabetes Mellitus												
No	566 (45.6)	249 (41.9)		0.171	148 (51.2)	124 (50.6)		0.262	223 (47.0)	226 (53.3)		0.174
Yes	601 (58.9)	193 (59.0)			134 (56.3)	65 (63.1)			165 (61.3)	112 (58.9)		
Renal failure												
No	707 (44.0)	270 (39.9)		0.057	152 (44.1)	135 (48.4)		0.651	246 (45.4)	254 (50.4)		0.849
Yes	460 (70.3)	172 (70.5)			130 (71.4)	54 (78.3)			142 (70.6)	84 (76.4)		
Prior stroke												
No	952 (48.3)	336 (44.4)		0.365	242 (53.0)	145 (52.5)		0.951	327 (50.8)	258 (51.9)		0.583
Yes	215 (74.1)	106 (64.2)			40 (57.1)	44 (62.0)			61 (61.6)	80 (68.4)		

AF, atrial fibrillation; EF, ejection fraction; HF_rEF, heart failure with reduced ejection fraction; HF_{mr}EF, heart failure with mid-range ejection fraction; HF_pEF, heart failure with preserved ejection fraction; ADHF, acute decompensated heart failure; NYHA, New York Heart Association; DM, diabetes mellitus; IHD, ischemic heart disease.

Supplementary file 3-1. The all-cause mortality rates according to AF status in patients with HFrEF, HFmrEF, and HFpEF

Subgroup	HFrEF (EF<40%)				HFmrEF (EF 40-49%)				HFpEF (EF≥50%)			
	Cases (%)		Hazard Ratios (AF vs. without AF)	P _{interaction}	Cases (%)		Hazard Ratios (AF vs. without AF)	P _{interaction}	Cases (%)		Hazard Ratios (AF vs. without AF)	P _{interaction}
	Without AF	With AF			Without AF	With AF			Without AF	With AF		
Beta-blockers												
No	474 (62.3)	165 (57.5)		0.633	80 (52.6)	80 (62.0)		0.130	185 (52.6)	154 (57.0)		0.715
Yes	693 (46.2)	277 (43.7)			202 (53.9)	109 (49.8)			203 (51.9)	184 (53.5)		
ACEI or ARB												
No	264 (66.3)	129 (65.5)		0.331	81 (55.9)	55 (59.1)		0.977	142 (52.4)	134 (54.0)		0.662
Yes	903 (48.5)	313 (43.2)			201 (52.6)	134 (52.5)			246 (52.1)	204 (55.7)		
AA												
No	465 (57.0)	183 (54.0)		0.666	152 (53.3)	70 (47.9)		0.108	213 (51.8)	138 (56.1)		0.763
Yes	702 (48.6)	259 (44.5)			130 (53.7)	119 (58.9)			175 (52.7)	200 (54.3)		

AF, atrial fibrillation; 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; ADHF, acute decompensated heart failure; NYHA, New York Heart Association; DM, diabetes mellitus; IHD, ischemic heart disease.