

**Table S1 (supplementary material online).** Predictors of post-discharge all-cause death.

Variable	HFpEF Adjusted HR (95% CI), <i>p</i>	HFmrEF Adjusted HR (95% CI), <i>p</i>	HFrEF Adjusted HR (95% CI), <i>p</i>	<i>p</i> for interaction
<b>Baseline characteristics</b>				
Age ≥65 years	2.6 (1.7-4.0), <0.001	1.4 (0.9-2.1), 0.102	1.6 (1.3-2.0), <0.001	<b>0.07</b>
Female sex	0.9 (0.7-1.1), 0.328	1.2 (0.8-1.7), 0.350	0.9 (0.8-1.2), 0.614	0.40
Body mass index ≥25 kg/m <sup>2</sup>	0.8 (0.6-1.0), 0.064	0.9 (0.6-1.5), 0.798	0.9 (0.8-1.1), 0.498	0.50
Ischemic etiology of heart failure	0.8 (0.6-1.1), 0.216	1.2 (0.8-1.8), 0.297	1.0 (0.8-1.2), 0.892	0.24
Previous heart failure hospitalization	1.6 (1.2-2.1), 0.001	1.0 (0.7-1.4), 0.961	1.3 (1.1-1.5), 0.010	0.10
Previous stroke/TIA	1.3 (0.9-1.8), 0.191	1.5 (1.0-2.5), 0.073	1.0 (0.8-1.4), 0.815	0.33
History of atrial fibrillation	1.3 (0.9-1.8), 0.118	1.1 (0.8-1.7), 0.480	1.0 (0.8-1.2), 0.994	0.33
Peripheral vascular disease	0.9 (0.6-1.4), 0.680	1.0 (0.6-1.6), 0.864	1.2 (0.9-1.5), 0.175	0.47
Diabetes	1.0 (0.8-1.3), 0.992	1.0 (0.7-1.4), 0.966	1.2 (1.0-1.4), 0.100	0.54
Chronic obstructive pulmonary disease	1.1 (0.8-1.5), 0.558	1.3 (0.9-2.0), 0.184	0.9 (0.7-1.1), 0.447	0.26
Hepatic dysfunction	1.3 (0.9-2.0), 0.178	1.7 (0.9-3.2), 0.100	2.1 (1.6-2.7), <0.001	0.18
Cancer disease	1.6 (1.0-2.4), 0.037	2.2 (1.3-3.7), 0.003	0.7 (0.4-1.1), 0.157	<b>0.004</b>
Depression	0.6 (0.4-1.0), 0.067	0.5 (0.2-1.3), 0.174	1.0 (0.7-1.4), 0.986	0.21
<b>Reason for index heart failure decompensation</b>				
Atrial fibrillation	1.0 (0.7-1.3), 0.754	1.0 (0.6-1.5), 0.868	0.9 (0.7-1.2), 0.404	1.00
Myocardial ischemia	0.6 (0.4-1.1), 0.114	0.9 (0.6-1.5), 0.821	1.0 (0.8-1.3), 0.843	0.26
Infection	1.4 (1.0-1.9), 0.027	1.3 (0.9-2.0), 0.196	1.3 (1.0-1.7), 0.030	0.88
Worsening renal function	1.5 (1.1-2.0), 0.015	1.5 (1.0-2.3), 0.039	1.2 (1.0-1.6), 0.061	0.55
Uncontrolled hypertension	1.0 (0.7-1.4), 0.995	1.0 (0.6-1.7), 0.924	0.9 (0.6-1.3), 0.499	0.81
<b>In-hospital findings (echocardiography) and in-hospital treatment</b>				
Mitral regurgitation (moderate to severe)	1.4 (1.0-1.8), 0.025	1.4 (1.0-2.1), 0.082	1.2 (1.0-1.5), 0.094	0.57
Tricuspid regurgitation (moderate to severe)	1.3 (0.9-1.7), 0.145	1.1 (0.7-1.5), 0.747	1.2 (1.0-1.4), 0.125	0.75
Inotropic support	1.2 (0.7-2.1), 0.474	1.3 (0.7-2.3), 0.415	1.0 (0.8-1.2), 0.713	0.54
PCI/CABG	1.2 (0.6-2.5), 0.622	1.0 (0.4-2.6), 0.984	0.8 (0.5-1.2), 0.243	0.53
<b>Clinical and laboratory findings at discharge</b>				
Heart rate ≥70 b.p.m. (for sinus rhythm)/ ≥80 b.p.m. (for AF)	1.1 (0.9-1.5), 0.371	1.3 (0.9-1.8), 0.191	1.2 (1.0-1.4), 0.096	0.88
Systolic blood pressure <110 mmHg	1.5 (1.1-2.1), 0.009	1.5 (1.0-2.2), 0.066	1.3 (1.0-1.5), 0.024	0.49
NYHA class III-IV	1.6 (1.2-2.1), 0.003	1.7 (1.2-2.4), 0.007	1.1 (0.9-1.4), 0.220	<b>0.08</b>
Hyponatremia (sodium <135 mmol/L)	1.3 (0.9-1.9), 0.227	1.4 (0.8-2.3), 0.195	1.4 (1.2-1.8), 0.001	0.82
eGFR <60 mL/min/1.73m <sup>2</sup>	1.1 (0.8-1.6), 0.435	1.1 (0.7-1.6), 0.702	1.0 (0.8-1.3), 0.963	0.89
Anemia (hemoglobin <12 g/dL in women/ <13 g/dL in men)	1.8 (1.3-2.5), <0.001	1.5 (0.9-2.2), 0.092	1.6 (1.3-1.9), <0.001	0.74
<b>Pharmacotherapy at hospital discharge</b>				
Diuretics	1.2 (0.8-1.8), 0.350	1.2 (0.6-2.1), 0.610	0.8 (0.5-1.1), 0.097	0.15
Aldosterone antagonists	0.9 (0.7-1.2), 0.445	1.0 (0.7-1.5), 0.904	1.0 (0.8-1.2), 0.728	0.84
ACEi/ARB/ARNIs	0.7 (0.5-1.0), 0.021	0.8 (0.5-1.1), 0.164	0.8 (0.7-1.0), 0.079	0.76
Beta-blockers	0.9 (0.7-1.1), 0.302	1.0 (0.7-1.5), 0.916	0.6 (0.5-0.8), <0.001	<b>0.03</b>

Red *p*-values indicate significant differences between EF categories, orange *p*-values indicate a trend.

ACEi – angiotensin-converting enzyme inhibitor; AF – atrial fibrillation; ARB - angiotensin receptor blocker; ARNI - angiotensin receptor-nephriysin inhibitor; b.p.m. – beats per minute; CABG – coronary artery bypass grafting; CI – confidence interval; EF – ejection fraction; eGFR – estimated glomerular filtration rate; HF – heart failure; HFmrEF – HF with mildly reduced ejection fraction; HFpEF – HF with preserved ejection fraction; HFrEF – HF with reduced ejection fraction; HR – hazard ratio; NYHA – New York Heart Association; PCI – percutaneous coronary intervention; TIA – transient ischemic attack