Table S2 (supplementary material online). Predictors of first heart failure rehospitalization.

Variable	HFpEF Adjusted HR (95% CI), p	HFmrEF Adjusted HR (95% CI), p	HFrEF Adjusted HR (95% CI), p	p for interaction
Baseline characteristics				
Age ≥65 years	0.9 (0.7-1.3), 0.627	1.0 (0.7-1.4), 0.889	0.8 (0.6-0.9), 0.004	0.37
Female sex	1.0 (0.8-1.4), 0.845	1.2 (0.8-1.6), 0.418	1.0 (0.8-1.2), 0.693	0.66
Body mass index ≥25 kg/m^2	1.1 (0.8-1.5), 0.653	0.9 (0.6-1.4), 0.672	1.0 (0.8-1.3), 0.722	0.82
Ischemic etiology of heart failure	0.9 (0.6-1.2), 0.468	1.3 (0.9-1.8), 0.187	1.2 (1.0-1.5), 0.055	0.21
Previous heart failure hospitalization	1.4 (1.1-1.9), 0.013	1.5 (1.1-2.1), 0.020	1.3 (1.1-1.6), 0.001	0.76
Previous stroke/TIA	1.6 (1.1-2.3), 0.007	1.1 (0.6-1.8), 0.841	1.0 (0.8-1.3), 0.995	**0.09**
History of atrial fibrillation	1.7 (1.2-2.3), 0.002	1.9 (1.3-2.7), 0.001	1.1 (0.9-1.4), 0.197	**0.01**
Peripheral vascular disease	1.3 (0.9-1.8), 0.218	1.5 (1.0-2.4), 0.059	1.0 (0.8-1.2), 0.782	0.15
Diabetes	1.6 (1.2-2.2), <0.001	1.5 (1.0-2.1), 0.028	1.2 (1.0-1.4), 0.112	**0.07**
Chronic obstructive pulmonary disease	1.5 (1.1-2.0), 0.010	1.3 (0.9-2.0), 0.183	1.1 (0.9-1.4), 0.228	0.30
Hepatic dysfunction	1.2 (0.8-1.8), 0.469	1.7 (1.0-3.1), 0.066	1.2 (0.9-1.6), 0.200	0.53
Cancer disease	1.1 (0.6-1.9), 0.715	1.5 (0.8-2.8), 0.194	0.9 (0.6-1.4), 0.598	0.39
Depression	0.8 (0.5-1.3), 0.470	0.9 (0.4-1.8), 0.689	0.9 (0.6-1.2), 0.435	0.99
Reason for index heart failure decompensation				
Atrial fibrillation	0.8 (0.6-1.1), 0.118	0.9 (0.7-1.4), 0.780	0.6 (0.5-0.8), <0.001	**0.08**
Myocardial ischemia	0.5 (0.3-0.9), 0.017	0.8 (0.5-1.2), 0.243	0.9 (0.7-1.1), 0.257	0.20
Infection	1.1 (0.8-1.5), 0.706	1.7 (1.1-2.5), 0.008	1.2 (0.9-1.5), 0.162	0.17
Worsening renal function	1.4 (1.0-1.9), 0.061	1.6 (1.0-2.4), 0.039	1.1 (0.9-1.4), 0.261	0.34
Uncontrolled hypertension	0.9 (0.6-1.3), 0.533	0.9 (0.6-1.4), 0.650	0.6 (0.4-0.9), 0.015	0.35
In-hospital findings (echocardiography) and in-hospital treatment				
Mitral regurgitation (moderate to severe)	1.0 (0.7-1.3), 0.789	0.9 (0.6-1.3), 0.569	1.4 (1.1-1.6), 0.003	**0.047**
Tricuspid regurgigation (moderate to severe)	1.2 (0.9-1.6), 0.262	1.1 (0.8-1.6), 0.600	1.4 (1.1-1.6), 0.001	0.56
Inotropic support	1.4 (0.8-2.5), 0.183	0.6 (0.3-1.2), 0.157	1.3 (1.0-1.6), 0.026	0.12
PCI/CABG	0.9 (0.4-2.0), 0.722	0.8 (0.3-2.1), 0.728	0.7 (0.4-1.0), 0.064	0.81
Clinical and laboratory findings at discharge				
Heart rate ≥70 b.p.m. (for sinus rhythm)/ ≥80 b.p.m. (for AF)	1.0 (0.8-1.3), 0.991	0.9 (0.6-1.3), 0.493	1.1 (1.0-1.4), 0.148	0.40
Systolic blood pressure <110 mmHg	1.3 (0.9-1.8), 0.200	1.0 (0.6-1.5), 0.881	1.3 (1.1-1.6), 0.004	0.45
NYHA class III-IV	1.1 (0.8-1.5), 0.739	1.9 (1.3-2.7), <0.001	1.0 (0.9-1.2), 0.770	**0.008**
Hyponatremia (sodium <135 mmol/L)	1.1 (0.7-1.8), 0.550	1.1 (0.7-1.7), 0.824	1.1 (0.9-1.4), 0.331	0.92
eGFR <60 mL/min/1.73m^2	1.3 (0.9-1.8), 0.102	1.4 (0.9-2.1), 0.110	1.2 (1.0-1.4), 0.108	0.84
Anemia (hemoglobin <12 g/dL in women/ <13 g/dL in men)	1.2 (0.9-1.6), 0.249	1.2 (0.8-1.7), 0.450	1.1 (0.9-1.3), 0.532	0.86
Pharmacotherapy at hospital discharge				
Diuretics	3.4 (1.8-6.2), <0.001	1.3 (0.7-2.3), 0.405	1.1 (0.8-1.6), 0.622	**0.008**
Aldosterone antagonists	1.1 (0.8-1.5), 0.403	1.0 (0.7-1.4), 0.937	1.3 (1.1-1.6), 0.013	0.35
ACEi/ARB/ARNIs	0.8 (0.6-1.0), 0.066	0.9 (0.6-1.3), 0.517	0.8 (0.6-1.0), 0.030	0.84
Beta-blockers	1.0 (0.8-1.4), 0.938	1.4 (0.9-2.2), 0.105	0.8 (0.6-0.9), 0.011	**0.02**

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-nephrilysin 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