

Supplemental Material

Table S1. Baseline characteristics by those who are excluded and included in study analysis.

	Excluded (unweighted N=3,355)		Included (unweighted N=4,359)	
	N	Weighted N(%) or mean (SD)	N	Weighted N(%) or mean (SD)
Age, years (mean)	3355	75.7 (10.9)	4359	75.9 (10.6)
Male, %	3355	47.8	4359	46.8
African American, %	3355	32.9	4359	27.5
Admission to teaching hospital, %	3355	39.4	4359	37.5
History of HF hospitalization, %	3355	37.9	4359	32.4
Hypertension, %	3353	85.6	4359	85.5
Diabetes, %	3353	49.6	4359	47.0
Atrial Fibrillation/flutter, %	3354	36.9	4359	37.6
Coronary artery disease, %	2377	48.3	4359	52.8
Pulmonary hypertension, %	3351	17.0	4359	16.7
Sleep apnea, %	3354	12.1	4358	11.5
Chronic obstructive pulmonary disease, %	3355	35.3	4359	35.1
End stage renal disease, %	3354	8.5	4359	5.9
Heart rate, bpm	3266	88.2 (22.9)	4359	89.4 (23.9)
Systolic blood pressure, mmHg	3257	141.2 (33.8)	4359	142.9 (32.8)
BMI, kg/m ²	2146	29.4 (9.7)	4359	29.4 (9.3)
Sodium (worst), mmol/L	3291	135.8 (5.1)	4359	135.9 (4.4)
eGFR (worst), mL/min/1.73 m ²	2437	38.5 (22.6)	4359	40.7 (22.8)
NT-proBNP (worst), pg/mL	691	13727.4 (28348.7)	657	11743.4 (20084.2)
Hemoglobin (last), g/dL	3308	11.2 (2.0)	4335	11.4 (1.9)

Table S2. Hazard Ratio of Each Predictor in Fully Adjusted Model* of 365-day Mortality in HFpEF by Sex.

	365-day mortality		
	Female	Male	P interaction
	HR (95% CI)	HR (95% CI)	
Age, per 10 years increment	1.33 (1.17-1.51)	1.23 (1.05-1.44)	0.95
African American	0.79 (0.60-1.03)	0.72 (0.52-1.01)	0.99
History of HF hospitalization	0.96 (0.74-1.25)	0.91 (0.66-1.25)	0.93
Hypertension	0.84 (0.60-1.16)	0.91 (0.58-1.43)	0.79
Diabetes	1.08 (0.85-1.38)	1.19 (0.88-1.61)	0.85
Atrial Fibrillation/flutter	1.29 (1.00-1.65)	1.11 (0.83-1.50)	0.64
Coronary artery disease	1.18 (0.92-1.51)	1.17 (0.87-1.56)	0.70
Pulmonary hypertension	1.13 (0.88-1.45)	1.69 (1.20-2.36)	0.18
Chronic obstructive pulmonary disease	1.47 (1.17-1.83)	1.16 (0.85-1.56)	0.41
End stage renal disease	0.83 (0.46-1.49)	0.82 (0.48-1.39)	0.84
Heart rate, per 10 bpm increment	1.05 (1.01-1.10)	1.10 (1.03-1.17)	0.37
Systolic blood pressure, per 10 mmHg increment	0.96 (0.93-1.00)	0.94 (0.89-0.99)	0.41
Sodium (worst), per 5 mmol/L increment	0.95 (0.84-1.07)	0.91 (0.76-1.09)	0.52
eGFR (worst), per 15 mL/min/1.73 m ² decrement**	1.19 (1.08-1.31)	1.14 (1.01-1.27)	0.66
Body mass index, per 5 kg/m ² increment	0.96 (0.90-1.02)	0.82 (0.73-0.93)	0.06
Hemoglobin, per 1 g/dL increment	0.90 (0.83-0.97)	0.84 (0.77-0.92)	0.28

*Predictors in fully adjusted model: age, race, sex, history of HF, hypertension, diabetes, atrial fibrillation, coronary artery disease, pulmonary hypertension, chronic obstructive pulmonary disease, end-stage renal disease, heart rate, systolic blood pressure, serum sodium, eGFR, body mass index and hemoglobin.

**eGFR = estimated glomerular filtration rate.

Table S3. Hazard Ratio of Each Predictor in Fully Adjusted Model* of 365-day Mortality in HFpEF by Race.

	365-day mortality		
	Caucasian	African American	P interaction
	HR (95% CI)	HR (95% CI)	
Age, per 10 years increment	1.28 (1.14, 1.44)	1.32 (1.12, 1.55)	0.36
Male	1.27 (1.03, 1.56)	1.40 (0.99, 1.98)	0.99
History of HF hospitalization	0.90 (0.71, 1.15)	1.10 (0.78, 1.56)	0.45
Hypertension	0.87 (0.65, 1.17)	0.59 (0.35, 0.98)	0.13
Diabetes	1.18 (0.95, 1.47)	0.93 (0.65, 1.33)	0.42
Atrial Fibrillation/flutter	1.34 (1.09, 1.66)	0.87 (0.59, 1.29)	0.31
Coronary artery disease	1.18 (0.95, 1.46)	1.14 (0.81, 1.60)	0.38
Pulmonary hypertension	1.19 (0.94, 1.51)	1.56 (1.09, 2.22)	0.28
Chronic obstructive pulmonary disease	1.41 (1.15, 1.72)	1.28 (0.90, 1.80)	0.98
End stage renal disease	0.81 (0.48, 1.36)	0.88 (0.53, 1.46)	0.83
Heart rate, per 10 bpm increment	1.06 (1.02, 1.10)	1.14 (1.06, 1.21)	0.04
Systolic blood pressure, per 10 mmHg increment	0.97 (0.94, 1.00)	0.90 (0.85, 0.95)	0.02
Sodium (worst), per 5 mmol/L increment	0.95 (0.85, 1.06)	0.90 (0.73, 1.13)	0.72
eGFR (worst), per 15 mL/min/1.73 m ² decrement**	1.20 (1.10, 1.31)	1.11 (0.99, 1.25)	0.08
Body mass index, per 5 kg/m ² increment	0.88 (0.81, 0.95)	1.03 (0.95, 1.12)	0.01
Hemoglobin, per 1 g/dL increment	0.86 (0.81, 0.92)	0.90 (0.81, 1.00)	0.31

*Predictors in fully adjusted model: age, race, sex, history of HF, hypertension, diabetes, atrial fibrillation, coronary artery disease, pulmonary hypertension, chronic obstructive pulmonary disease, end-stage renal disease, heart rate, systolic blood pressure, serum sodium, eGFR, body mass index and hemoglobin.

**eGFR = estimated glomerular filtration rate; BMI = body mass index.