

Supplementary Online Content

Tsimploulis A, Lam PH, Arundel C, et al. Systolic blood pressure and outcomes in patients with heart failure with preserved ejection fraction. *JAMA Cardiol*. Published online February 14, 2018. doi:10.1001/jamacardio.2017.5365

eTable. Outcomes by Systolic Blood Pressure (SBP) in Propensity Score Matched Patients with Heart Failure with Ejection Fraction $\geq 50\%$, in the Main Cohort and Three Sensitivity Cohorts

eFigure 1. Flow Chart Displaying Assembly of Propensity Score Matched Cohorts of Patients With Heart Failure and Left Ventricular Ejection Fraction $\geq 50\%$, by Systolic Blood Pressure (SBP) < 120 vs ≥ 120 mm Hg

eFigure 2. Love Plot Displaying Absolute Standardized Differences Comparing 58 Baseline Characteristics Between Patients With Heart Failure And Left Ventricular Ejection Fraction $\geq 50\%$ and Systolic Blood Pressure < 120 vs ≥ 120 mm Hg, Before and After Propensity Score Matching

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Outcomes by Systolic Blood Pressure (SBP) in Propensity Score Matched Patients With Heart Failure with Ejection Fraction $\geq 50\%$, in the Main Cohort and Three Sensitivity Cohorts

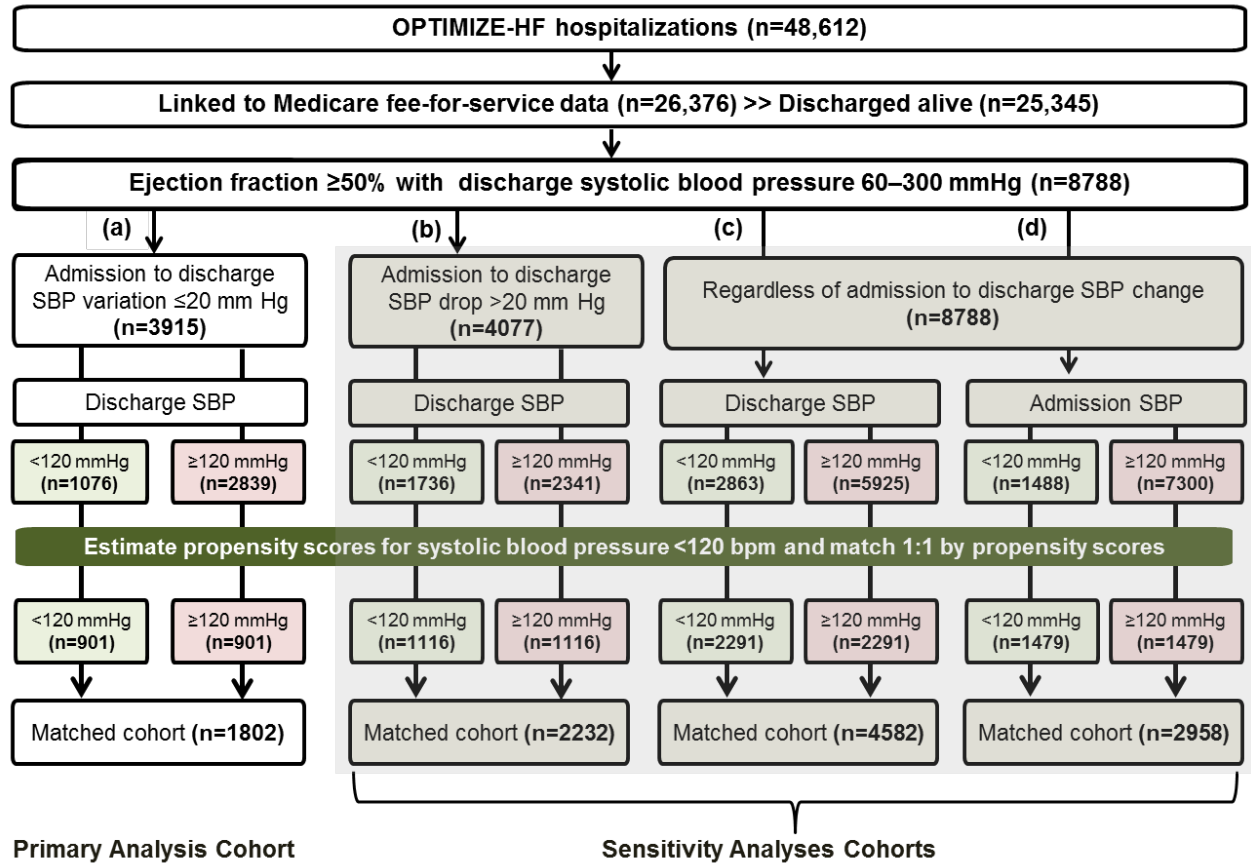
	Hazard ratio associated with SBP <120 mm Hg (95% confidence interval)			
Cohort type	Main cohort	Sensitivity cohorts		
Admission to discharge SBP variation	≤ 20 mm Hg	>20 mm Hg	Regardless*	Regardless*
N for matched cohort	1802	2232	4582	2958
Independent variable	Discharge SBP	Discharge SBP	Discharge SBP	Admission SBP
<u>30 days</u>				
All-cause mortality	2.07 (1.45–2.95); p<0.001	1.48 (0.99–2.21); p=0.055	1.56 (1.22–1.99); p<0.001	2.18 (1.66–2.87); p<0.001
All-cause readmission	1.24 (1.03–1.50); p=0.024	1.11 (0.93–1.33); p=0.244	1.12 (1.00–1.27); p=0.057	1.29 (1.12–1.49); p=0.001
Heart failure readmission	1.47 (1.08–2.01); p=0.016	1.20 (0.85–1.70); p=0.300	1.31 (1.05–1.62); p=0.016	1.60 (1.25–2.05); p<0.001
All-cause readmission or all-cause mortality	1.35 (1.13–1.61); p=0.001	1.14 (0.96–1.35); p=0.138	1.16 (1.04–1.30); p=0.010	1.42 (1.25–1.62); p<0.001
Heart failure readmission or all-cause mortality	1.71 (1.34–2.18); p<0.001	1.30 (1.00–1.71); p=0.054	1.37 (1.16–1.62); p<0.001	1.89 (1.56–2.28); p<0.001
<u>1 year</u>				
All-cause mortality	1.36 (1.16–1.59); p<0.001	1.25 (1.06–1.48); p=0.009	1.16 (1.05–1.29); p=0.005	1.65 (1.46–1.88); p<0.001
All-cause readmission	1.13 (1.01–1.26); p=0.041	1.10 (0.99–1.22); p=0.066	1.06 (0.98–1.13); p=0.130	1.14 (1.05–1.25); p=0.003
Heart failure readmission	1.11 (0.93–1.33); p=0.230	1.14 (0.97–1.35); p=0.102	1.05 (0.94–1.17); p=0.395	1.17 (1.02–1.34); p=0.022
All-cause readmission or all-cause	1.18 (1.06–1.32); p=0.002	1.12 (1.02–1.24); p=0.021	1.08 (1.01–1.16); p=0.024	1.24 (1.14–1.34); p<0.001

mortality				
Heart failure readmission or all-cause mortality	1.21 (1.07–1.38); p=0.004	1.14 (1.01–1.29); p=0.041	1.08 (1.00–1.18); p=0.059	1.40 (1.27–1.55); p<0.001
<u>Overall</u>				
All-cause mortality	1.17 (1.05–1.30); p=0.005	1.10 (0.99–1.22); p=0.065	1.09 (1.02–1.17); p=0.013	1.28 (1.18–1.40); p<0.001
All-cause readmission	1.09 (0.99–1.21); p=0.088	1.09 (1.00–1.19); p=0.065	1.04 (0.98–1.11); p=0.169	1.11 (1.03–1.20); p=0.007
Heart failure readmission	1.06 (0.92–1.22); p=0.412	1.14 (1.01–1.29); p=0.039	1.04 (0.95–1.13); p=0.425	1.09 (0.97–1.21); p=0.139
All-cause readmission or all-cause mortality	1.12 (1.02–1.23); p=0.015	1.10 (1.01–1.20); p=0.022	1.06 (1.00–1.13); p=0.046	1.18 (1.10–1.28); p<0.001
Heart failure readmission or all-cause mortality	1.12 (1.01–1.24); p=0.028	1.12 (1.02–1.23); p=0.014	1.07 (1.00–1.14); p=0.046	1.24 (1.15–1.34); p<0.001

*Includes all patients regardless of admission to discharge SBP variation.

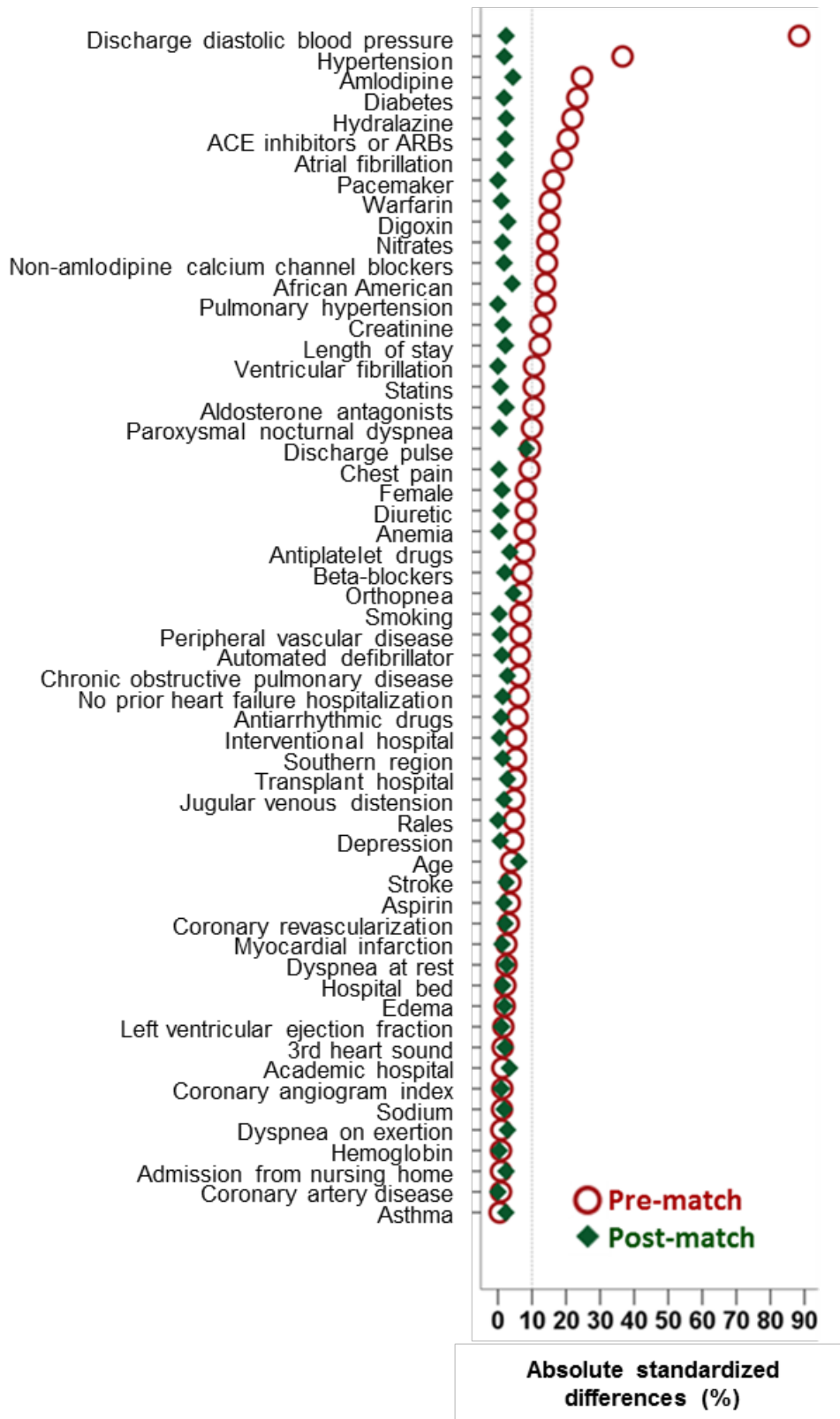
eFigure 1. Flow Chart Displaying Assembly of Propensity Score Matched Cohorts of Patients With Heart Failure and Left Ventricular Ejection Fraction $\geq 50\%$, by Systolic Blood Pressure (SBP) < 120 vs ≥ 120 mm Hg

Supplemental Figure 1. Assembly of Study Cohorts



eFigure 2. Love plot displaying absolute standardized differences comparing 58 baseline characteristics between patients with heart failure and left ventricular ejection fraction $\geq 50\%$ and systolic blood pressure < 120 versus ≥ 120 mm Hg, before and after propensity score matching

Supplemental Figure 2. Love Plot for Balance in Baseline Characteristics



Abbreviations: ACE, angiotensin-converting enzyme; ARB, angiotensin receptor blockers)