

## Supplemental Material

**Supplemental Table 1.** Comparison of Participants Who Did and Did Not Undergo the Year 5 Echocardiogram

Variable	Follow-up Echo (n=842)	No Follow-up Echo (n=297)	P value
Age in years (IQR)	70 (68 – 73)	72 (68 – 77)	<0.001
Female (%)	509 (60%)	148 (50%)	0.001
Race (%)			
White	808 (96%)	275 (93%)	0.02
Black	31 (4%)	20 (7%)	
Asian/Pacific Islander	1 (0.1%)	0 (0%)	
Other	2 (0.2%)	2 (0.7%)	
Mean BMI (kg/m <sup>2</sup> ) ± SD	26.6 ± 4.0	26.6 ± 4.4	0.86
Hypertension (%)	431(51%)	183 (62%)	0.002
Coronary Artery Disease (%)	119 (14%)	64 (22%)	0.003
Diabetes (%)	108 (13%)	56 (19%)	0.009
Mean Left Ventricular Diastolic Diameter Index* (cm/m <sup>2</sup> ) ± SD	2.8 ± 0.3	2.8 ± 0.4	0.73
Mean Left Ventricular Mass Index* (g/m <sup>2</sup> ) ± SD	80.6 ± 20.7	87.5± 23.9	<0.001
Percent PVC (IQR)	0.01% (0.002 – 0.08)	0.02% (0.002 – 0.2)	0.04

\*Index measurements are divided by the body surface area

Abbreviations: BMI, body mass index; IQR, interquartile range.

**Supplemental Table 2.** Baseline Characteristics of Participants as Stratified by Incident CHF Status

Variable	No Incident CHF (n=831)	Incident CHF (n=308)	P value
Age in years (IQR)	70 (68 – 74)	72 (69 – 75)	<0.001
Female (%)	500 (60%)	157 (51%)	0.005
Race (%)			
White	791 (95%)	292 (95%)	0.77
Black	36 (4%)	15 (5%)	
Asian/Pacific Islander	1 (0.1%)	0 (0%)	
Other	3 (0.4%)	1 (0.3%)	
Mean BMI (kg/m <sup>2</sup> ) ± SD	26.3 ± 4.0	27.5 ± 4.4	<0.001
Hypertension (%)	415 (50%)	199 (65%)	<0.001
Coronary Artery Disease (%)	110 (13%)	73 (24%)	<0.001
Diabetes (%)	91 (11%)	73 (24%)	<0.001
Mean Left Ventricular Diastolic Diameter Index* (cm/m <sup>2</sup> ) ± SD	2.8 ± 0.3	2.8 ± 0.4	0.52
Mean Left Ventricular Mass Index* (g/m <sup>2</sup> ) ± SD	80.2 ± 20.6	88.1 ± 23.7	<0.001
Percent PVCs (IQR)	0.01% (0.002 – 0.09)	0.02% (0.002 – 0.2)	0.002

\*Index measurements are divided by the body surface area

Abbreviations: BMI, body mass index; IQR, interquartile range.

**Supplemental Table 3.** Association Arrhythmias Observed on Holter Monitoring with Incident Heart Failure and Mortality

Arrhythmia Observed During Holter Study	Un-adjusted Incident Heart Failure			Adjusted Incident Heart Failure		
	HR	95% CI	P value	HR	95% CI	P value
Atrial Fibrillation (n=3, 0.26%)	5.40	1.34 – 21.8	0.018	7.77	1.91 – 31.6	0.004
Ventricular Tachycardia (n=63, 5.5%)	2.27	1.55 – 3.34	<0.001	1.52	1.00 – 2.31	0.047
Number of Ventricular Tachycardia Runs (Range 0 – 106)	1.00	0.97 – 1.03	0.905	1.00	0.96 – 1.03	0.809

Abbreviations: HR, hazard ratio; CI, confidence interval.

Multivariable models included adjustment for age, gender, race, body mass index, and a history of hypertension, diabetes, coronary artery disease, beta-blocker use, Holter-based atrial fibrillation, and Holter-based ventricular tachycardia or number of Holter-based ventricular tachycardia episodes.