

**Appendix
Table 1.****Potential Covariates in HF-ACTION Predictive Models for Primary Endpoint**

	Variable
1	Age
2	Sex
3	Race
4	History of myocardial infarction
5	Previous revascularization
6	History of diabetes
7	History of peripheral vascular disease
8	Smoking status
9	History of chronic obstructive pulmonary disease
10	Heart failure hospitalizations in the last 6 months
11	Hospitalizations in the last 6 months
12	Etiology of heart failure
13	NYHA class (II versus III/IV)
14	Canadian Cardiovascular Society angina class
15	Baseline automatic implantable cardioverter defibrillator
16	Baseline biventricular pacemaker
17	Baseline pacemaker
18	Atrial fibrillation/flutter
19	Mitral regurgitation grade by echocardiography
20	Systolic blood pressure
21	Diastolic blood pressure
22	Baseline heart rate
23	Body mass index
24	Left ventricular ejection fraction
25	KCCQ: total symptom score
26	KCCQ: quality of life score
27	KCCQ: self-efficacy score
28	KCCQ: symptom stability score
29	KCCQ: physical limitation score
30	KCCQ: social limitation score
31	Beck Depression Index II
32	Heart rate reserve on the CPX test

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	Variable
33	Heart rate at peak exercise on the CPX test
34	Heart rate at end of 2 nd stage of CPX test
35	Exercise duration on the CPX test
36	Rest echocardiography rhythm on the CPX test
37	Peak oxygen pulse on the CPX test
38	Peak respiratory exchange ratio on the CPX test
39	Ventricular conduction prior to the CPX test
40	Ve/VCO ₂ slope
41	Peak VO ₂
42	Weber class
43	Six-minute walk distance
44	Serum creatinine
45	Sodium
46	Blood urea nitrogen
47	Hemoglobin
48	Treatment group (exercise vs. usual care)

CPX, cardiopulmonary exercise test; KCCQ, Kansas City Cardiomyopathy Questionnaire; NYHA, New York Heart Association; peak VO₂ = peak oxygen uptake.