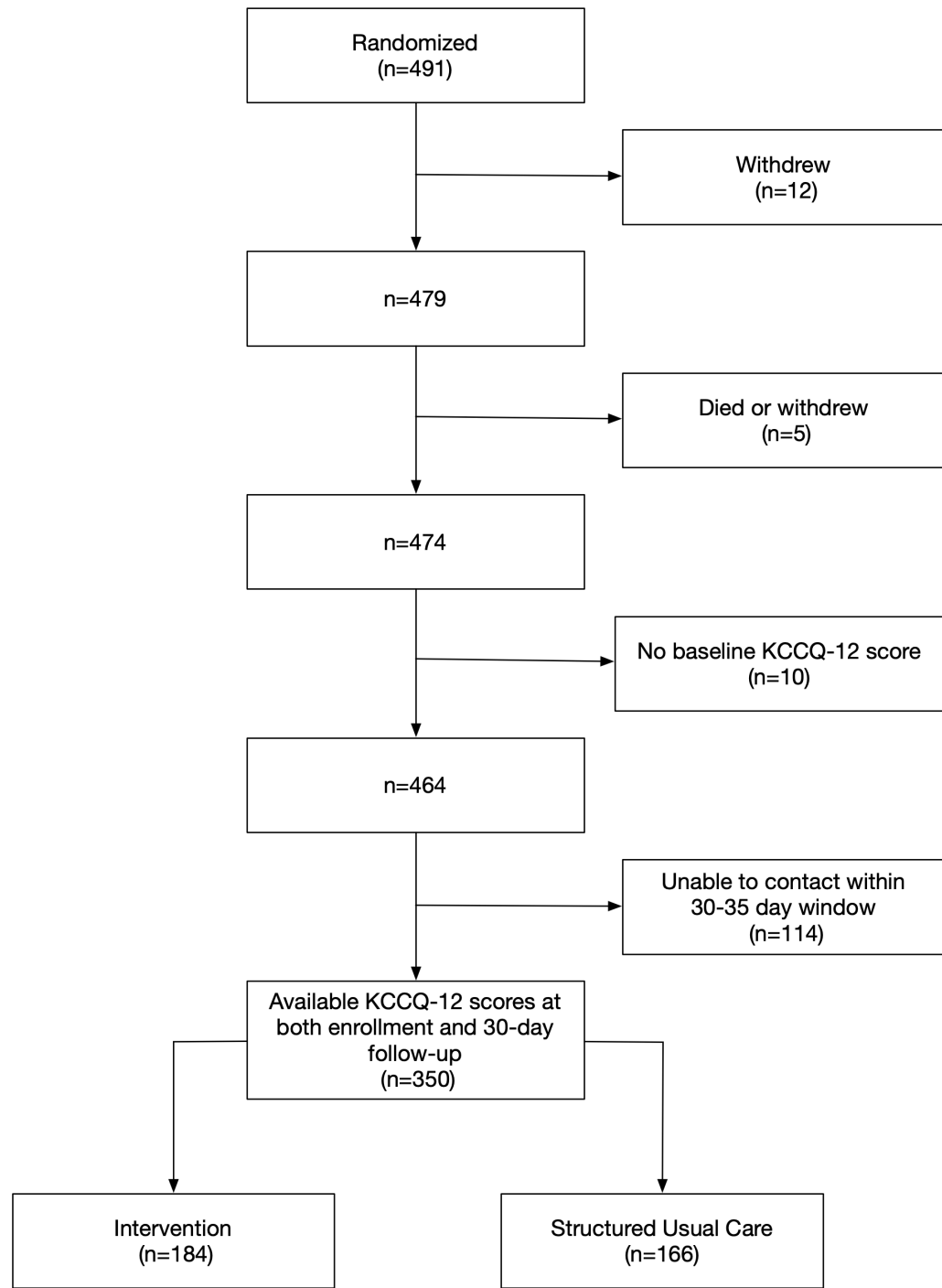# SUPPLEMENTAL MATERIAL

Supplemental Figure I. Consort diagram accounting for KCCQ-12 score missingness.

Supplemental Table I. Baseline characteristics of patients with available KCCQ-12 scores at both enrollment and 30 day follow-up (included) versus patients who had withdrawn, died, or had missing scores at either enrollment and/or follow-up (excluded).

	N	Included	Excluded	Combined	P-value
		N=350	N=129	N=479	
Gender	479				0.408
Male	479	63% (219)	67% (86)	64% (305)	
Female	479	37% (131)	33% (43)	36% (174)	
Race	479				0.11
American Indian/Alaska Native	479	0% (1)	0% (0)	0% (1)	
Asian	479	0% (0)	0% (0)	0% (0)	
Black/African American	479	63% (221)	63% (81)	63% (302)	
Hawaiian/Pacific Islander	479	0% (1)	1% (1)	0% (2)	
White non-Hispanic	479	34% (118)	29% (38)	33% (156)	
White Hispanic	479	2% (7)	3% (4)	2% (11)	
Multi-racial	479	0% (0)	0% (0)	0% (0)	
Other	479	0% (0)	0% (0)	0% (0)	
Declined to disclose	479	1% (2)	4% (5)	1% (7)	
Age at consent	479	63.75 (55.11, 70.13)	62 (53.12, 70.12)	62.95 (54.65,70.15)	0.325
Baseline literacy score (dichotomized)	467				0.253
Baseline score >= 9	467	89% (304)	85% (105)	88% (409)	
Baseline score < 9	467	11% (39)	15% (19)	12% (58)	
KCCQ score (baseline)	469	47.4 (33.33, 64.45)	46.35 (33.07, 64.58)	46.88 (33.33, 64.58)	0.987
Prior EF	447				0.085
Normal	447	42% (140)	33% (38)	40% (178)	
Moderate/Severe	447	58% (192)	67% (77)	60% (269)	
Initial BUN value	472	19 (14, 26)	18 (13, 27)	19 (14, 27)	0.203
Initial creatinine value	472	1.2 (0.95, 1.4)	1.15 (0.9, 1.595)	1.185 (0.9375, 1.443)	0.723
Initial Systolic Blood Pressure	478	143 (126, 164)	141 (126, 164)	142 (126, 164)	0.933
Initial BNP value	208	520 (182, 1256)	622 (181, 1172)	536 (181.2, 1234)	0.88
Initial NT-proBNP value	242	924 (330, 3260)	1474 (517.8, 3414)	1085 (340, 3270)	0.186
Initial tropinin I	398	0.024 (0.012, 0.04)	0.029 (0.0155, 0.04)	0.025 (0.012, 0.04)	0.793
Initial tropinin T	24	0.03 (0.01, 0.12)	0.01 (0.01, 0.0475)	0.03 (0.01, 0.08)	0.466

Supplemental Table II. Covariates and their associated odds ratios and p-values from the logistic regression model investigating the KCCQ-12 summary score and association of the intervention at five thresholds of clinically important differences: Deterioration **(A)**; Small Improvement **(B)**; Moderate Improvement **(C)**; Large Improvement **(D)**; and Very Large Improvement **(E)**.

A Deterioration (≤ -5 point loss)

Covariate	Odds Ratio	95% CI	P
Age (per 5 years)	1.04	(0.92, 1.16)	0.55
Female (ref=Male)	1.22	(0.70, 2.11)	0.49
African American/White Hispanic (ref=White/Other)	1.03	(0.56, 1.89)	0.92
Moderate/Severe prior EF (ref=Normal)	0.78	(0.45, 1.36)	0.38
ED Systolic BP (per 5 units)	0.97	(0.92, 1.03)	0.32
eGFR (per 1 unit)	1.00	(0.99, 1.01)	0.69
Baseline KCCQ summary score (per 5 units)	1.16	(1.08, 1.23)	<0.001
Intervention (ref=Standard of Care)	0.56	(0.34, 0.95)	0.03

B Small Improvement (>5 points)

Covariate	Odds Ratio	95% CI	P
Age (per 5 years)	0.95	(0.86, 1.06)	0.38
Female (ref=Male)	0.81	(0.50, 1.32)	0.40
African American/White Hispanic (ref=White/Other)	1.01	(0.60, 1.72)	0.96
Moderate/Severe prior EF (ref=Normal)	1.35	(0.82, 2.25)	0.24
ED Systolic BP (per 5 units)	1.04	(0.99, 1.09)	0.08
eGFR (per 1 unit)	1.00	(0.99, 1.01)	0.67
Baseline KCCQ summary score (per 5 units)	0.88	(0.83, 0.93)	<0.001
Intervention (ref=Standard of Care)	1.48	(0.95, 2.33)	0.09

C Moderate Improvement (>10 points)

Covariate	Odds Ratio	95% CI	P
Age (per 5 years)	0.98	(0.88, 1.09)	0.69
Female (ref=Male)	0.86	(0.53, 1.40)	0.54
African American/White Hispanic (ref=White/Other)	1.27	(0.74, 2.17)	0.38
Moderate/Severe prior EF (ref=Normal)	1.35	(0.83, 2.19)	0.23
ED Systolic BP (per 5 units)	1.04	(1.00, 1.09)	0.08
eGFR (per 1 unit)	1.00	(0.99, 1.01)	0.63
Baseline KCCQ summary score (per 5 units)	0.86	(0.81, 0.91)	<0.001
Intervention (ref=Standard of Care)	1.66	(1.05, 2.62)	0.03

D Large Improvement (>15 points)

Covariate	Odds Ratio	95% CI	P
Age (per 5 years)	1.00	(0.90, 1.12)	0.97
Female (ref=Male)	1.06	(0.64, 1.75)	0.83
African American/White Hispanic (ref=White/Other)	1.33	(0.76, 2.36)	0.32
Moderate/Severe prior EF (ref=Normal)	1.69	(1.01, 2.85)	0.05
ED Systolic BP (per 5 units)	1.06	(1.01, 1.11)	0.02
eGFR (per 1 unit)	1.00	(0.99, 1.01)	0.92
Baseline KCCQ summary score (per 5 units)	0.86	(0.80, 0.91)	<0.001
Intervention (ref=Standard of Care)	1.70	(1.05, 2.75)	0.03

E Very Large Improvement (>20 points)

Covariate	Odds Ratio	95% CI	P
Age (per 5 years)	0.98	(0.87, 1.10)	0.76
Female (ref=Male)	1.34	(0.79, 2.29)	0.28
African American/White Hispanic (ref=White/Other)	1.24	(0.68, 2.29)	0.48
Moderate/Severe prior EF (ref=Normal)	1.46	(0.83, 2.57)	0.18
ED Systolic BP (per 5 units)	1.05	(1.00, 1.11)	0.04
eGFR (per 1 unit)	1.00	(0.99, 1.01)	0.99
Baseline KCCQ summary score (per 5 units)	0.85	(0.79, 0.91)	<0.001
Intervention (ref=Standard of Care)	1.64	(0.98, 2.74)	0.06