

Supplemental Table 1. Baseline characteristics of participants in the full cohort and stratified by frailty status							
	Total Cohort (n= 3744)	Frail (n=220) ^a	Intermediate (n= 1691) ^b	Non-frail (n= 1833) ^c	P-value ^a vs ^b	P-value ^b vs ^c	P-value ^a vs ^c
(Numbers are <i>n</i> (%) unless otherwise specified)							
Demographics							
Age at baseline (median (IQR))	71 (7.75)	76.5 (10)	72 (8)	70 (6)	<0.001 ‡	<0.001 ‡	<0.001 ‡
Male	1464 (39.1)	62 (28.2)	660 (39)	742 (40.5)	0.002	0.38	<0.001
Black	685 (18.3)	87 (39.5)	391 (23.1)	207 (11.3)	<0.001	<0.001	<0.001
Education- high school diploma, GED, or higher	2710 (72.5)	126 (57.3)	1139 (67.4)	1445 (78.8)	0.002	<0.001	<0.001
Frailty measures							
Gait speed (m/sec) (mean(SD))	0.88 (0.21)	0.59 (0.16)	0.82 (0.2)	0.97 (0.17)	<0.001*	<0.001*	<0.001*
Grip strength (kg) (mean (SD))	28.4 (10.3)	19.6 (8.3)	26.5 (9.9)	31.2 (9.9)	<0.001*	<0.001*	<0.001*
Physical activity (total kcals) (median (IQR))	1110 (1967.81)	93.75 (270)	735 (1545)	1635 (2171.6)	<0.001 ‡	<0.001 ‡	<0.001 ‡
Presence of Exhaustion	1158 (30.9)	99 (45)	600 (35.5)	459 (25.0)	0.006	<0.001	<0.001
Unintentional weight loss ≥ 10 lbs	401 (10.7)	69 (31.4)	207 (12.2)	125 (6.8)	<0.001	<0.001	<0.001
Health Related factors							
BMI (kg/m ²) (mean (SD))	26.7 (4.7)	27.7 (6.6)	27.1 (5.0)	26.1 (4.1)	0.21*	<0.001*	0.001*
Ankle-arm index (%) (mean (SD))	1.08 (0.16)	1.00 (0.19)	1.07 (0.16)	1.1 (0.14)	<0.001*	<0.001*	<0.001*

Depression score on CES-D Scale (median (IQR))	3 (5)	7 (7)	4 (5)	2 (4)	<0.001 ‡	<0.001 ‡	<0.001 ‡
Presence of Vision problem	204 (5.4)	26 (11.8)	106 (6.5)	72 (4.0)	0.001	0.001	<0.001
Presence of Arthritis	1864 (49.8)	149 (67.7)	916 (54.2)	799 (43.6)	<0.001	<0.001	<0.001
Presence of Diabetes	377 (10.1)	33 (15.0)	211 (12.5)	133 (7.3)	0.29	<0.001	<0.001
Presence of Chronic lung disease	9 (0.2)	1 (0.5)	7 (0.4)	1 (0.1)	<0.001 †	<0.001 †	<0.001 †
Presence of Cerebrovascular disease	66 (1.8)	10 (4.5)	39 (2.3)	17 (0.9)	0.048	0.001	<0.001 †
Presence of Cardiovascular disease	419 (11.2)	41 (18.6)	228 (13.5)	150 (8.2)	0.04	<0.001	<0.001
Normal cognitive function	2969 (79.3)	126 (57.3)	1284 (75.9)	1559 (85.1)	<0.001	<0.001	<0.001

*Chi-square test unless otherwise specified. * = Two Sample T- Test*

‡ = Mann-Whitney U test

† = Fischer's Exact

Frailty status determined by Fried physical frailty phenotype

Gait speed measured as 15-foot walk at usual pace, later converted to meters/second.

Grip strength measured as an average of three trials on dominant hand.

Physical activity measured in kcals using Minnesota Leisure Time Activities and Paffenbarger Questionnaires

Exhaustion and weight loss were self-reported

Ankle-arm index calculated using supine blood pressures from the right arm and both ankles.

Cognitive function based on assessment with 30-point Mini-Mental State Examination with "normal" cognitive function being a score of 27 or greater.

Supplemental Table 2. Correlations of population characteristics with gait speed, for the full cohort and stratified by frailty status.								
	Total Cohort (n=3744)		Frail (n=220)		Intermediate (n=1691)		Non-frail (n=1833)	
	Correlation coefficient	p-value	Correlation coefficient	p-value	Correlation coefficient	p-value	Correlation coefficient	p-value
Demographics								
Age	-0.27*	<0.001	-0.30*	<0.001	-0.19	<0.001*	-0.15*	<0.001
Male	0.14	<0.001	0.24	<0.001	0.13	<0.001	0.13	<0.001
Black	-0.12	<0.001	-0.04	0.53	-0.06	0.02	0.01	0.66
Education \geq HS	0.21	<0.001	0.18	0.008	0.17	<0.001	0.16	<0.001
Frailty measures								
Grip strength (kg) (mean (SD))	0.24*	<0.001	0.18*	0.009	0.07	0.004*	0.14*	<0.001
Physical activity (total kcals) (median (IQR))	0.16*	<0.001	0.03*	0.67	-0.04	0.08*	0.08*	0.001
Presence of Exhaustion	-0.07	<0.001	-0.01	0.93	0.01	0.69	-0.02	0.34
Unintentional weight loss \geq 10 lbs	-0.06	<0.001	-0.02	0.75	0.04	0.08	0.03	0.24
Health-Related factors								
BMI (kg/m ²)	-0.15*	<0.001	-0.10*	0.13	-0.12	<0.001*	-0.09*	<0.001
Ankle-arm index (%)	0.14*	<0.001	0.12*	0.09	0.06	0.02*	0.11*	<0.001
Depression score (CES-D) Scale	-0.17*	<0.001	0.22*	0.001	0.007	0.77*	-0.10*	<0.001
Impaired Vision	-0.08	<0.001	-0.15	0.03	-0.07	0.009	-0.02	0.41
Arthritis	-0.13	<0.001	-0.06	0.35	-0.08	0.001	-0.06	0.01
Diabetes	-0.08	<0.001	-0.05	0.44	-0.06	0.02	-0.02	0.30

Chronic lung disease	-0.03	0.08	0.04	0.52	-0.04	0.08	-0.06	0.01
Cerebrovascular disease	-0.05	0.005	-0.01	0.85	-0.03	0.25	-0.02	0.37
Cardiovascular disease	-0.09	<0.001	-0.06	0.38	-0.05	0.03	-0.02	0.42
Normal cognition	-0.18	<0.001	-0.14	0.06	-0.11	<0.001	-0.11	<0.001

*Spearman correlation coefficient unless otherwise specified. * = Pearson correlation coefficient.*

Cognitive function based on assessment with 30-point Mini-Mental State Examination with “normal” cognitive function being a score of 27 or greater.