

SUPPLEMENTAL MATERIAL

Table S1. Baseline patient characteristics by gait speed and cardiac rehabilitation status. Data are reported as N.

| | | Slow Gait Speed | | Normal Gait Speed | | |
|---------------------------------|----------------------------------|------------------------------|----------------------------------|------------------------------|---------------------------------|----------------|
| | Total N=329 N (%) | CR N=48 N (%) | No CR N=129 N (%) | CR N=61 N (%) | No CR N=91 N (%) | P-value |
| Encouraged to participate in CR | 202 (61.8) | 48 (100) | 50 (39.1) | 61 (100) | 43 (47.8) | <0.001 |
| Age (mean \pm SD) | 73.7 \pm 6.2 | 74.1 \pm 6.1 | 75.2 \pm 6.7 | 72.5 \pm 5.7 | 72.2 \pm 5.3 | 0.001 |
| Female | 137 (41.6) | 19 (39.6) | 75 (58.1) | 18 (29.5) | 25 (27.5) | <0.001 |
| Race | | | | | | <0.001 |
| White | 257 (78.1) | 44 (91.7) | 82 (63.6) | 56 (91.8) | 75 (82.4) | |
| Black | 61 (18.5) | 3 (6.3) | 40 (31.0) | 3 (4.9) | 15 (16.5) | |
| Other | 11 (3.3) | 1 (2.1) | 7 (5.4) | 2 (3.3) | 1 (1.1) | |
| High School Education | 254 (77.4) | 42 (87.5) | 85 (66.4) | 56 (91.8) | 71 (78.0) | <0.001 |
| Married | 189 (57.4) | 30 (62.5) | 55 (42.6) | 39 (63.9) | 65 (71.4) | <0.001 |
| Medical costs a burden | 69 (21.0) | 6 (12.5) | 38 (29.4) | 8 (13.1) | 17 (18.7) | 0.095 |
| Lives alone | | | | | | |
| Atrial fibrillation | 21 (6.4) | 5 (10.4) | 9 (7.0) | 3 (4.9) | 4 (4.4) | 0.536 |
| Heart failure | 30 (9.1) | 3 (6.3) | 19 (14.7) | 2 (3.3) | 6 (6.6) | 0.045 |
| Hypertension | 247 (75.1) | 37 (77.1) | 105 (81.4) | 42 (68.9) | 63 (69.2) | 0.122 |
| Diabetes | 101 (30.7) | 13 (27.1) | 51 (39.5) | 12 (19.7) | 25 (27.5) | 0.029 |
| Chronic lung disease | 31 (9.4) | 0 (0.0) | 22 (17.1) | 2 (3.3) | 7 (7.7) | <0.001 |
| Chronic kidney disease | 26 (7.9) | 4 (8.3) | 13 (10.1) | 0 (0.0) | 9 (9.9) | 0.031 |
| Peripheral vascular disease | 24 (7.3) | 2 (4.2) | 13 (10.1) | 4 (6.6) | 5 (5.5) | 0.537 |
| Depression | 13 (4.0) | 1 (2.1) | 10 (7.8) | 0 (0.0) | 2 (2.2) | 0.044 |
| Smoker | 156 (47.4) | 26 (54.2) | 54 (41.9) | 26 (42.6) | 50 (54.9) | 0.164 |
| Cognitive impairment | 59 (18.1) | 5 (10.9) | 34 (26.4) | 5 (8.2) | 15 (16.7) | 0.030 |
| GRACE score (mean \pm SD) | 126.3 \pm 22.3 | 127.9 \pm 22.5 | 131.5 \pm 20.9 | 117.6 \pm 18.4 | 123.7 \pm 24.4 | <0.001 |
| STEMI | 128 (28.9) | 20 (41.7) | 39 (30.2) | 36 (59) | 22 (36.3) | 0.001 |
| AMI Treatment | | | | | | 0.005 |

| | | | | | | |
|---|-----------|-----------|-----------|-----------|-----------|--|
| CABG | 31 (9.4) | 4 (6.3) | 5 (3.9) | 11 (18) | 11 (12.1) | |
| PCI | 217 (66) | 34 (70.8) | 82 (63.6) | 43 (70.5) | 58 (63.7) | |
| Medical therapy only | 81 (24.6) | 10 (20.8) | 42 (32.6) | 7 (11.5) | 22 (24.2) | |
| CR = cardiac rehabilitation; SD = standard deviation; GRACE = Global Registry of Cardiac Events; STEMI = ST-elevation myocardial infarction; AMI = acute myocardial infarction; CABG = coronary artery bypass surgery; PCI = percutaneous coronary intervention | | | | | | |

Figure S1. Selection of the Study Population.

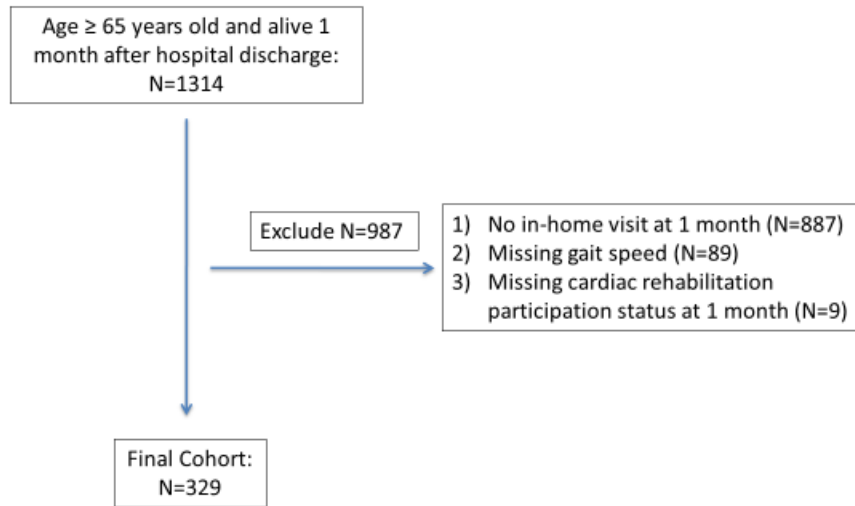
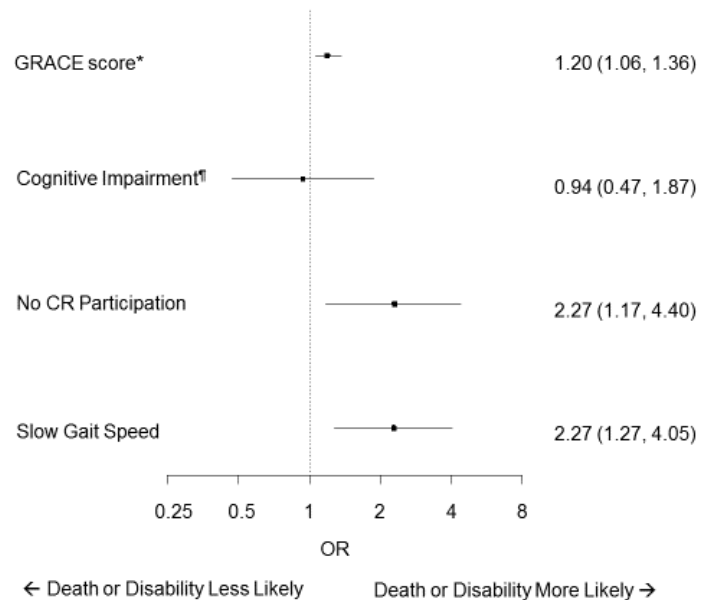


Figure S2. Cardiac Rehabilitation Participation and Slow Gait Speed are Associated with Death or Disability 1 Year after AMI Independent of GRACE score or Cognitive Impairment.



*For every 10 point-increase; †Defined as Telephone Interview for Cognitive Status-modified score ≤ 19 ; Disability was assessed with the mobility and self-care questions from the Euroqol-5 Dimensions; CR = cardiac rehabilitation; GRACE = Global Registry of Cardiac Events