

WEB EXTRA SUPPLEMENT

Table A | Comparison of participants and non-participants

Variable	Participants (n=880)	Non-participants (n=408)	P Value
Socio-demographic characteristics			
Age, y, mean (SD)	66.8 (11.7)	72.1 (14.7)	<.001
Male sex, No. (%)	608 (69.1)	226 (55.4)	<.001
Cohabitation status, living alone, No. (%) ^a	278 (31.6)	230 (56.4)	<.001
Education, No. (%) ^a			
<10 years	380 (44.7)	206 (58.2)	
10-12 years	357 (42.0)	112 (31.6)	
>12 years	114 (13.4)	36 (10.2)	<.001
Labour market status, No. (%) ^a			
Working	322 (36.6)	75 (18.4)	
Pension	471 (53.5)	283 (69.4)	
Out of the work force	87 (9.9)	50 (12.3)	<.001
Comorbid conditions, No. (%) ^b			
Stroke	49 (5.6)	45 (11.0)	<.001
Revascularization	80 (9.1)	35 (8.6)	.764
Congestive heart failure	28 (3.2)	45 (11.0)	<.001
Diabetes mellitus	134 (15.2)	101 (24.8)	<.001
Depression ^c	85 (9.7)	93 (22.8)	<.001

^aInformation collected the year before MI (in 2008).

^bInformation collected at the time of MI.

Table B | Association between mental health status (Mental Component Summary score from the Short-Form 12 version 2; traditional scoring method) and subsequent cardiovascular events or death, with sequential adjustment for potential confounders

Adjusted variables ^a	Hazard ratio (95% confidence interval)			
	1 st quartile MCS (96/220) ^b	2 nd quartile MCS (70/220) ^b	3 rd quartile MCS (64/225) ^b	4 th quartile MCS (47/215) ^b
Age	2.40 (1.69 to 3.40)	1.60 (1.10 to 2.31)	1.40 (0.96 to 2.04)	1 (reference)
Socio-demographic characteristics ^c	2.50 (1.74 to 3.61)	1.62 (1.10 to 2.37)	1.43 (0.97 to 2.11)	1 (reference)
MRC dyspnea score ≥ 3	1.94 (1.32 to 2.85)	1.49 (1.01 to 2.19)	1.33 (0.90 to 1.97)	1 (reference)
Comorbidity ^d	1.92 (1.30 to 2.83)	1.52 (1.03 to 2.23)	1.40 (0.95 to 2.07)	1 (reference)
Secondary prophylactic medication	1.94 (1.32 to 2.86)	1.49 (1.01 to 2.19)	1.34 (0.91 to 1.98)	1 (reference)
Smoking status	1.93 (1.31 to 2.84)	1.45 (0.99 to 2.14)	1.34 (0.90 to 1.98)	1 (reference)
Physical activity	1.76 (1.19 to 2.62)	1.41 (0.96 to 2.08)	1.32 (0.89 to 1.95)	1 (reference)
HADS-A/D score ≥ 8	1.57 (1.01 to 2.45)	1.33 (0.89 to 1.99)	1.30 (0.88 to 1.93)	1 (reference)

Abbreviations: MCS, Mental Component Summary; HADS-A/D, Hospital Anxiety and Depression Scale-Anxiety/Depression. MRC, Medical Research Council.

^a Each model includes the variables from the preceding row so that the final model includes all the variables listed in this table.

^b No. of outcomes/no. of persons in quartile.

^c Sex, cohabitation status, education, labour market status. ^d History of stroke, diabetes mellitus, or heart failure.

Table C | Stratified analysis for those without depression and anxiety, n=622. Association between mental health status (Mental Component Summary score from the Short-Form 12 version 2) and subsequent cardiovascular events or death, with sequential adjustment for potential confounders and mediators

Adjusted variables ^a	Hazard ratio (95% confidence interval)			
	1 st quartile MCS (63/155) ^b	2 nd quartile MCS (48/156) ^b	3 rd quartile MCS (38/154) ^b	4 th quartile MCS (19/157) ^b
Age	3.39 (2.01 to 5.73)	2.63 (1.55 to 4.49)	2.20 (1.27 to 3.81)	1 (reference)
Socio-demographic characteristics ^c	3.49 (2.04 to 5.98)	2.59 (1.51 to 4.44)	2.05 (1.17 to 3.56)	1 (reference)
MRC dyspnea score ≥ 3	3.15 (1.81 to 5.48)	2.45 (1.42 to 4.22)	2.00 (1.15 to 3.48)	1 (reference)
Comorbidity ^d	3.03 (1.74 to 5.29)	2.44 (1.42 to 4.19)	1.91 (1.10 to 3.34)	1 (reference)

Secondary prophylactic medication	3.22 (1.85 to 5.59)	2.44 (1.42 to 4.20)	2.02 (1.16 to 3.52)	1 (reference)
Smoking status	3.13 (1.79 to 5.46)	2.52 (1.46 to 4.33)	1.99 (1.14 to 3.46)	1 (reference)
Physical activity	3.03 (1.72 to 5.34)	2.49 (1.44 to 4.29)	1.97 (1.13 to 3.43)	1 (reference)

Abbreviations: MCS, Mental Component Summary; MRC, Medical Research Council.

^a Each model includes the variables from the preceding row so that the final model includes all the variables listed in this table.

^b No. of outcomes/no. of persons in quartile.

^c Sex, cohabitation status, education, labour market status. ^d History of stroke, diabetes mellitus, or heart failure.

eFigure 1 | The 6 mental health status items from the Short-Form 12 version 2

4. During the past 4 weeks, how much of the time have you had any of the following problems with your work or other regular daily activities as a result of any emotional problems (such as feeling depressed or anxious)?

- a. Accomplished less than you would like.
- b. Did work or other activities less carefully than usual.

6. These questions are about how you feel and how things have been with you during the past 4 weeks. For each question, please give the one answer that comes closest to the way you have been feeling. How much of the time during the past 4 weeks...

- a. Have you felt calm and peaceful?
- b. Did you have a lot of energy?
- c. Have you felt downhearted and depressed?

7. During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting friends, relatives, etc.)?

The options for all of the items are:

All of the time, most of the time, some of the time, a little of the time, none of the time.

4a: Role-Emotional item 1.

4b: Role-Emotional item 2.

6a: Mental Health item 1.

6b: Vitality.

6c: Mental Health item 2.

7: Social Functioning.