

Data supplement to Van Beek et al. Prognostic association of cardiac anxiety with new cardiac events and mortality following myocardial infarction. Br J Psychiatry doi: 10.1192/bjp.bp.115.174870

Table DS1 Hazard ratio's (95% CI) for MACE (and n with event/n) associated with scores on the CAQ during hospitalization and at 4 months after discharge in 193 MI patients

	Male patients (n=129)		Female Patients (n=64)	
	Hazard ratio (95% CI)		Hazard ratio (95% CI)	
	Cardiac anxiety at hospitalization	Cardiac anxiety at 4 months post-MI	Cardiac anxiety at hospitalization	Cardiac anxiety at 4 months post-MI
Model 1	1.42 (0.88-2.29); p=0.156; n= 46/129 R ² =1.1%	1.94 (1.17-3.24); p=0.011*; n=40/127 R ² =4.1%	2.54 (1.41-4.57); p=0.002**; n=31/64 R ² =4.9%	2.63 (1.13-6.10); p=0.025*; n=27/62 R ² =4.8%
Model 2	1.24 (0.78-1.95); p=0.364; n=46/129 R ² =6.7%	1.90 (1.11-3.25); p=0.019*; n=40/127 R ² =7.1%	2.55(1.40-4.65); p=0.002**; n=31/64 R ² =6.9%	2.41 (1.03-5.86); p=0.043*; n=27/62 R ² =5.4%
Model 3	0.09 (0.55-1.47); p=0.671; n=46/129 R ² =17.9%	1.65 (0.92-2.97); p=0.094; n=40/127 R ² =14.0%	2.75 (1.47-5.17); p=0.002**; n=31/64 R ² =8.9%	2.79 (1.09-7.11); p=0.032*; n=27/62 R ² =8.4%
Model 4	0.96 (0.55-1.68); p=0.880; n=46/129 R ² =18.0%	1.56 (0.80-3.04); p=0.194; n=40/127 R ² =14.4%	3.04 (1.47-6.28); p=0.003**; n=31/64 R ² =9.1%	2.17 (0.78-6.07); p=0.139; n=27/62 9.7%

*p<0.05; **p<0.01; ***p<0.001

Model 1: unadjusted;

Model 2: adjusted for age

Model 3: Model 1 + LVEF and cardiac history, and hospital readmissions between the index event and CAQ assessment four months after discharge in the model evaluating HR at four months.

Model 4: Model 3 + transformed BDI-score at same time as cardiac anxiety assessment

BDI: Beck Depression Inventory; CAQ: Cardiac Anxiety Questionnaire; CI: confidence interval; LVEF: left ventricular ejection fraction; MACE: major adverse cardiac event; MI: myocardial infarction

Table DS2 Hazard ratio's (95% CI) for MACE (and n with event/n) associated with scores on the 4 CAQ subscales during hospitalization

	MALES				FEMALES			
	Fear	Avoidance	Attention	Safety seeking	Fear	Avoidance	Attention	Safety seeking
Model 1	1.12 (0.77-1.64); p=0.548; n=46/129 R ² =0.2%	1.30 (1.00-1.68); p=0.046*; n=46/129 R ² =2.3%	0.95 (0.63-1.45); p=0.819 n=46/129 R ² =0.0%	1.12 (0.80-1.57); p=0.499; n=46/129 R ² =0.2%	2.06 (1.16-3.68); p=0.014*; n=31/64 R ² =3.0%	1.47 (1.10-1.97); p=0.009**; n=31/64 R ² =3.7%	1.21 (0.68-2.18); p=0.518; n=31/64 R ² =0.2%	1.61 (1.33-1.94); p=0.012*; n=31/64 R ² =3.2%
Model 2	1.10 (0.76-1.58); p=0.621; n=46/129 R ² =6.4%	1.19 (0.92-1.54); p=0.192; n=46/129 R ² =7.3%	1.03 (0.70-1.54); p=0.868; n=46/129 R ² =6.3%	1.00 (0.72-1.37); p=0.975; n=46/129 R ² =6.3%	2.05 (1.15-3.69); p=0.016*; n=31/64 R ² =5.0%	1.49 (1.11-1.99); p=0.008**; n=31/64 R ² =5.9%	1.20 (0.68-2.13); p=0.526; n=31/64 R ² =2.4%	1.51 (1.25-1.83); p=0.030*; n=31/64 R ² =4.5%
Model 3	0.92 (0.61-1.39); p=0.698; n=46/129 R ² =17.9%	0.99 (0.75-1.32); p=0.963; n=46/129 R ² =17.9%	0.89 (0.59-1.35); p=0.584; n=46/129 R ² =18.0%	0.92 (0.65-1.31); p=0.655; n=46/129 R ² =17.9%	2.16 (1.16-3.99); p=0.015*; n=31/64 R ² =6.9%	1.49 (1.10-2.01); p=0.010*; n=31/64 R ² =7.3%	1.30 (0.73-2.232); p=0.369; n=31/64 R ² =4.3%	1.59 (1.08-2.33); p=0.018* n=31/64 R ² =6.7%
Model 4	0.97 (0.61-1.54); p=0.904; n=46/129 R ² =18.0%	1.03 (0.76-1.39); p=0.864; n=46/129 R ² =18.1%	0.91 (0.60-1.39); p=0.657; n=46/129 R ² =18.1%	0.95 (0.66-1.37); p=0.780; n=46/129 R ² =18.0%	2.14 (1.10-4.16); p=0.026*; n=31/64 R ² =7.0%	1.50 (1.06-2.11); p=0.022*; n=31/64 R ² =7.4%	1.19 (0.64-2.24); p=0.584; n=31/64 R ² =4.7%	1.58 (1.06-2.35); p=0.023*; n=31/64 R ² =7.0%

*p<0.05; **p<0.01; ***p<0.001

Model 1: unadjusted;

Model 2: adjusted for age

Model 3: Model 1 + LVEF and cardiac history

Model 4: Model 3 + transformed BDI-score at same time as cardiac anxiety assessment

BDI: Beck Depression Inventory; CAQ: Cardiac Anxiety Questionnaire; CI: confidence interval; LVEF: left ventricular ejection fraction; MACE: major adverse cardiac event; MI: myocardial infarction

Table DS3 Hazard ratio's (95% CI) for MACE (and n with event/n) associated with scores on the 4 CAQ subscales at 4 months after discharge

	MALES				FEMALES			
	Fear	Avoidance	Attention	Safety seeking	Fear	Avoidance	Attention	Safety seeking
Model 1	1.26 (0.80-1.99); p=0.316; n=40/127 R ² =1.5%	1.60 (1.22-2.10); p=0.001**; n=40/127 R ² =6.2%	1.03 (0.60-1.79); p=0.904; n=40/127 R ² =0.1%	1.28 (0.91-1.79); p=0.158; n=40/127 R ² =1.3%	1.28 (0.83-1.97); p=0.264; n=26/62 R ² =1.6%	1.85 (1.15-2.97); p=0.011**; n=26/62 R ² =4.8%	2.22 (1.05-4.71); p=0.038*; n=26/62 R ² =3.9%	0.93 (0.57-1.51); p=0.762; n=26/62 R ² =0.2%
Model 2	1.28 (0.79-2.08); p=0.311; n=40/127 R ² =5.2%	1.53 (1.16-2.03); p=0.003**; n=40/127 R ² =8.3%	1.15 (0.64-2.07); p=0.631; 40/127 R ² =3.9%	1.20 (0.86-1.68); p=0.286; n=40/127 R ² =4.3%	1.24 (0.82-1.86); p=0.307; n=26/62 R ² =2.9%	1.76 (1.08-2.85); p=0.022**; n= 26/62 R ² =5.4%	2.13 (1.01-4.52); p=0.049*; n=26/62 R ² =5.2%	0.90 (0.54-1.47); p=0.663; n=26/62 R ² =1.9%
Model 3	1.23 (0.75-2.01); p=0.413; n=40/127 R ² =13.4%	1.34 (0.98-1.84); p=0.065; n=40/127 R ² =14.1%	1.07 (0.58-1.97); p=0.832; n=40/127 R ² =12.5%	1.21 (0.83-1.75); p=0.322; n=40/127 R ² =12.9%	1.29 (0.84-1.98); p=0.249; n=26/62 R ² =5.3%	1.85 (1.10-3.10); p=0.020*; n=26/62 R ² =7.9%	2.22 (1.08-4.55); p=0.030*; n=26/62 R ² =7.7%	0.99 (0.58-1.69); p=0.959; n=26/62 R ² =4.0%
Model 4	1.14 (0.66-1.96); p=0.646; n=40/127 R ² =13.9%	1.30 (0.92-1.84); p=0.140; n=40/127 R ² =14.6%	1.02 (0.54-1.91); p=0.961; n=40/127 R ² =13.4%	1.17 (0.80-1.71); p=0.419; n=40/127 R ² =13.7%	1.05 (0.65-1.70); p=0.837; n=26/62 R ² =8.1%	1.61 (0.92-2.82); p=0.098; n=26/62 R ² =10.0%	2.15 (1.08-4.31); p=0.030*; n=26/62 R ² =11.1%	0.94 (0.51-1.74); p=0.850; n=26/62 R ² =8.1%

*p<0.05; **p<0.01; ***p<0.001

Model 1: unadjusted

Model 2: adjusted for age

Model 3: Model 1 + LVEF and cardiac history + hospital readmissions between the index event and CAQ assessment four months after discharge

Model 4: Model 3 + transformed BDI-score at same time as cardiac anxiety assessment

BDI: Beck Depression Inventory; CAQ: Cardiac Anxiety Questionnaire; CI: confidence interval; LVEF: left ventricular ejection fraction; MACE: major adverse cardiac event; MI: myocardial infarction