Supplementary material

Supplementary Table 1. ICD-10 codes, procedure and ATC codes used throughout the study

Disease	ICD-10 codes	Procedure codes	ATC codes
Long-term stress	F43.1 Post-traumatic stress disorder		
	F43.2 Adjustment disorders		
Anxiety	F40, F41		
Heart failure	150, 1110, 1130, 1132, 1420, 1426-		
	I429, I421, I422, I425		
Ischemic heart disease [†]	120-125	KFNA, KFNB, KFNC, KFND,	
		KFNE, KFNG, KFNF, KFNH20	
Cerebrovascular disease	I60-I69, G45-G46		
Atrial fibrillation	I48		
Peripheral artery disease	I70-I74, I77		
Diabetes mellitus			A10
Depression	F32, F33		
Concomitant pharmacotherapy			
Renin-angiotensin system inhibitors			C09A, C09B, C09C, C09D
Beta blockers			C07
Diuretics			C03AA, C03AB, C03B, C03C, C03D, C03E,
			C07B, C07CA, C07CB, C07D, C08G, C09BA,
			C09DA
Calcium channel blockers			C08
Nitrates			C01DA
Antiarrhythmic drugs class 1 or 3			C01B
Antithrombotics			B01AA, B01AC, B01AE07, B01AF01, B01AF02,
			B01AF03
Anxioytics	N05B		
Antidepressants	N06A		
QT-prolonging drugs [†] [†]			J01FA06, J01FA10, J01MA02, J01FA09,
			J01FA01, J01MA14, J02AC01, N05AA02,
			N05AL01, C07AA07, C01BA01, N05AG02,
			A04AA01, N05AD01, C01BC04, N06AB10,
			C01BD07, N06DA02, A03FA03, N06AB04,
			N05AD08, N05AA01, N05AF03, C01BD01

† Including acute myocardial infarction
†† QT-prolonging drugs with known risk of Torsade de Pointes according to CredibleMeds website (www.CredibleMeds.org).

Table 2. Hazard ratio of out-of-hosp	Cases	Controls	Crude HR	Adjusted HR
	(n=35.195)	(n=351.950)	(95% CI)	(95% CI)
Neither of the two diagnoses	34.531 (98.11%)	348.937 (99.14%)	reference	reference
Long-term stress	324 (0.92%)	1.577 (0.45%)	2.08 (1.85-2.35)	1.44 (1.27-1.64)
Post-traumatic stress disorder	24 (0.07%)	107 (0.03%)	2.28 (1.46-3.56)	1.80 (1.13-2.86)
Adjustment disorders	295 (0.84%)	1.447 (0.41%)	2.07 (1.82-2.35)	1.42 (1.24-1.63)
Post-traumatic stress disorder and adjustment disorders	≤ 5 (0.01%)	23 (0.01%)	NA	NA
Anxiety	299 (0.85 %)	1.298 (0.37%)	2.34 (2.06 - 2.65)	1.56 (1.37-1.79)
Both diagnoses	41 (0.12%)	138 (0.04%)	3.03 (2.14-4.30)	2.00 (1.38-2.89)
Abbreviations: CI, confidence interval presence of cardiovascular disease, dep			· · ·	otherwise. HR adjusted fo

	Neither of the two diagnoses	Long-term stress	Anxiety
	(n=34.531)	(n=324)	(n=299)
Age (years), median [IQR]	72 [62.81]	59 [49,71]	68 [56.5,76.5]
Male sex, n (%)	23.188 (67.15)	183 (56.48)	131 (43.81)
Comorbidity, n (%)			
Heart failure	6.993 (20.25)	72 (22.22)	63 (21.07)
Ischemic heart disease [§]	9.145 (26.48)	79 (24.38)	83 (27.76)
Cerebrovascular disease	4.803 (13.91)	44 (13.58)	59 (19.73)
Atrial fibrillation	6.010 (17.40)	38 (11.73)	50 (16.72)
Peripheral artery disease	3.828 (11.09)	37 (11.42)	46 (15.38)
Diabetes mellitus	5.228 (15.14)	54 (16.67)	41 (13.71)
Depression	1.578 (4.57)	133 (41.05)	111 (37.12)
Concomitant pharmacotherapy, n (%)			
Renin-angiotensin system inhibitors	12.904 (37.37)	104 (32.10)	86 (28.76)
Beta blockers	8.430 (24.41)	54 (16.67)	79 (26.42)
Diuretics	17.217 (49.86)	134 (41.36)	150 (50.17)
Calcium channel blockers	6.849 (19.83)	64 (19.75)	60 (20.07)
Nitrates	3.900 (11.29)	32 (9.88)	27 (9.03)
Antiarrhythmic drugs class 1 or 3	662 (1.92)	4 (1.12)	8 (2.68)
Antithrombotics	15.813 (45.79)	126 (38.89)	125 (41.81)
Anxiolytics	3.933 (11.39)	109 (33.64)	139 (46.49)
Antidepressants	6.034 (17.47)	178 (54.94)	191 (63.88)
QT-prolonging drugs	5.598 (16.21)	115 (35.49)	123 (41.14)

	Cases	Controls	Crude HR	Adjusted HR
	(n=35.195)	(n=351.950)	(95% CI)	(95% CI)
Present	9.316	41.992		
Neither of the two diagnoses	9.145 (98.16%)	41.479 (98.78)	reference	reference
Long-term stress	79 (0.85 %)	232 (0.55%)	1.55 (1.20-2.00)	1.02 (0.77-1.34)
Anxiety	83 (0.89 %)	262 (0.62%)	1.44 (1.12-1.84)	1.11 (0.85-1.44)
Both diagnoses	9 (0.10%)	19 (0.05%)	2.16 (0.98-4.77)	1.60 (0.70-3.70)
Absent	25.879	309.958		
Neither of the two diagnoses	25.386 (98.09%)	307.458 (99.19%)	reference	reference
Long-term stress	245 (0.95 %)	1.345 (0.43%)	2.21 (1.93-2.53)	1.56 (1.35-1.80)
Anxiety	216 (0.83 %)	1.036 (0.33%)	2.53 (2.18-2.93)	1.77 (1.52-2.06)
Both diagnoses	32 (0.12%)	119 (0.04%)	3.27 (2.21-4.82)	1.97 (1.31-2.97)
Abbreviations: CI, confidence int	terval; HR, hazard ratio. N	Numbers in table are num	ber (%) unless indicated	otherwise. HR adjusted for
presence of cardiovascular diseas	e, depression and the use	of QT-prolonging drugs.	Furthermore, by conduc	ting stratified analyses
according ischemic heart disease	, the original matching on	age and sex was lost. Th	erefore, HRs were additi	onally adjusted for age and
sex.				

	Cases	Controls	Crude HR	Adjusted HR
	(n=35.195)	(n=351.950)	(95% CI)	(95% CI)
Present	7.136	17.285		
Neither of the two diagnoses	6.993 (98.00%)	17.087 (98.85)	reference	reference
Long-term stress	72 (1.01%)	90 (0.52%)	1.96 (1.43-2.67)	1.24 (0.89 -1.73)
Anxiety	63 (0.88 %)	103 (0.60%)	1.50 (1.09 - 2.05)	1.13 (0.81 -1.57)
Both diagnoses	8 (0.11%)	5 (0.03%)	3.88 (1.27 -11.87)	2.20 (0.70 -6.98)
Absent	28.059	334.665		
Neither of the two diagnoses	27.538 (98.14%)	331.850 (99.16)	reference	reference
Long-term stress	252 (0.90 %)	1.487 (0.44%)	2.04 (1.79-2.34)	1.45 (1.26 - 1.66)
Anxiety	236 (0.84 %)	1.195 (0.36%)	2.38 (2.07 - 2.74)	1.65 (1.43 -1.91)
Both diagnoses	33 (0.12%)	133 (0.04%)	3.00 (2.05 - 4.39)	1.86 (1.26 - 2.74)
Abbreviations: CI, confidence int	erval; HR, hazard ratio. N	Numbers in table are nur	nber (%) unless indicated of	otherwise. HR adjusted for
presence of cardiovascular diseas	e, depression and the use	of QT-prolonging drugs	s. Furthermore, by conduct	ing stratified analyses
according heart failure, the origin	al matching on age and s	ex was lost. Therefore, I	HRs were additionally adju	sted for age and sex.
P-value interaction: long-term str	$e_{ss} = 0.0062$ anxiety = 0.00	16 both diagnoses -0.5	30/	

	Cases (n=7.491)	Controls (n=145.893)	Crude HR (95% CI)	Adjusted HR (95% CI)
Neither of the two diagnoses	7.418 (99.03%)	145.359 (99.63%)	reference	reference
Long-term stress	44 (0.59%)	353 (0.24%)	2.44 (1.78-3.34)	2.25 (1.64-3.08)
Anxiety	24 (0.32%)	162 (0.11%)	2.90 (1.98-4.46)	2.77 (1.80-4.23)
Both diagnoses	≤ 5 (0.07%)	19 (0.01%)	NA	NA