

**S4 Table. The effect of depression on the occurrence of chronic pain and/or angina in the “unrelated” subgroup (n=9,163) and stratified according to gender.**

Exposure	Outcome	Group	Unadjusted		Adjusted	
			N	OR [95% CI]	N	OR [95% CI]
<b>Depression in the presence of chronic pain</b>						
Chronic Pain	Depression	Overall <sup>†</sup>	4,780	2.70 <sup>a</sup> [2.26 to 3.23]	4,179	2.46 <sup>a,b</sup> [2.02 to 3.01]
		Females only <sup>‡</sup>	2,743	2.64 <sup>a</sup> [2.13 to 3.26]	2,385	2.74 <sup>a,c</sup> [2.16 to 3.46]
		Males only <sup>‡</sup>	2,037	2.25 <sup>a</sup> [1.59 to 3.17]	1,794	2.05 <sup>a,d</sup> [1.41 to 2.98]
<b>Depression in the presence of angina</b>						
Angina	Depression	Overall <sup>†</sup>	6,264	2.08 <sup>a</sup> [1.73 to 2.51]	5,453	2.08 <sup>a</sup> [1.67 to 2.60]
		Females only <sup>‡</sup>	3,662	2.08 <sup>a</sup> [1.66 to 2.62]	3,165	2.07 <sup>a,e</sup> [1.59 to 2.69]
		Males only <sup>‡</sup>	2,602	2.28 <sup>a</sup> [1.63 to 3.21]	2,288	2.25 <sup>a,f</sup> [1.52 to 3.33]
<b>Depression in the presence of chronic pain and angina</b>						
Chronic pain and angina	Depression	Overall <sup>†</sup>	3,149	4.33 <sup>a</sup> [3.23 to 5.81]	2,769	4.23 <sup>a,g</sup> [3.00 to 5.96]
		Females only <sup>‡</sup>	1,783	4.10 <sup>a</sup> [2.90 to 5.80]	1,566	4.77 <sup>a,h</sup> [3.23 to 7.05]
		Males only <sup>‡</sup>	1,366	4.12 <sup>a</sup> [2.34 to 7.27]	1,203	3.96 <sup>a,i</sup> [2.05 to 7.66]

<sup>†</sup>valid data adjusted for age, gender, education, SIMD and smoking status; <sup>‡</sup>valid data adjusted for age, education, SIMD and smoking status; a= p<0.001; b= Variables not in final model: Education (P=0.14); c= Variables not in final model: Education (P=0.38); SIMD (P=0.21); d= Variables not in final model: Education (P=0.20); SIMD (P=0.48); e= Variables not in final model: SIMD (P=0.30); f= Variables not in final model: Education (P=0.40); g= Variables not in final model: SIMD (P=0.12); Education (P=0.28); h= Variables not in final model: Smoking (P=0.10); SIMD (P=0.34); Education (P=0.22); i= Variables not in final model: SIMD (P=0.17); Education (P=0.94)