

**S3 Table. The effect of chronic pain on the occurrence of depression 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>Chronic pain in the presence of depression</b>						
Depression	Chronic pain	Overall <sup>†</sup>	4,780	2.70 <sup>a</sup> [2.26 to 3.23]	4,179	2.46 <sup>a</sup> [2.02 to 3.01]
		Females only <sup>‡</sup>	2,743	2.64 <sup>a</sup> [2.13 to 3.26]	2,385	2.66 <sup>a</sup> [2.09 to 3.37]
		Males only <sup>‡</sup>	2,037	2.25 <sup>a</sup> [1.59 to 3.17]	1,794	2.10 <sup>a, b</sup> [1.44 to 3.07]
<b>Chronic pain in the presence of angina</b>						
Angina	Chronic pain	Overall <sup>†</sup>	5,113	4.26 <sup>a</sup> [3.60 to 5.03]	4,267	3.70 <sup>a</sup> [3.04 to 4.51]
		Females only <sup>‡</sup>	3,006	5.04 <sup>a</sup> [4.03 to 6.30]	2,505	4.54 <sup>a</sup> [3.50 to 5.89]
		Males only <sup>‡</sup>	2,107	3.64 <sup>a</sup> [2.79 to 4.75]	1,762	2.87 <sup>a, c</sup> [2.11 to 3.91]
<b>Chronic pain in the presence of depression and angina</b>						
Depression and angina	Chronic pain	Overall <sup>†</sup>	3,380	12.31 <sup>a</sup> [7.83 to 19.35]	2,967	8.70 <sup>a</sup> [5.23 to 14.46]
		Females only <sup>‡</sup>	1,922	13.76 <sup>a</sup> [7.73 to 24.48]	1,678	12.78 <sup>a</sup> [6.47 to 25.25]
		Males only <sup>‡</sup>	1,458	8.71 <sup>a</sup> [4.06 to 18.69]	1,289	5.20 <sup>a, d</sup> [2.25 to 12.04]

<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: age (P=0.97) and smoking status (P=0.17) ; c= Variables not in final model: age (P= 0.86); smoking status (P=0.13); d= Variables not in final model: age (P= 0.89); smoking status (P=0.50)