

**Table 1: Change in total number of joints in the whole OAI cohort (n=3486) and in those with at least 1 painful joint at each visit (n=1573), by year**

Whole cohort (n=3486)				At least 1 painful joint (n=1573)			
Ratio of means <sup>1</sup> , 95% CI				Ratio of means <sup>1</sup> , 95% CI			
	Unadjusted	Adjusted <sup>2</sup>	p	Unadjusted	Adjusted <sup>2</sup>	p	
Baselin	Reference		-	Reference		-	
e							
Year 1	1.023 (0.994, 1.054)	1.024 (0.995, 1.055)	0.11	1.033 (0.999, 1.069)	1.034 (0.999, 1.070)	0.06	
Year 2	1.012 (0.983, 1.043)	1.016 (0.986, 1.047)	0.29	1.024 (0.989, 1.060)	1.026 (0.991, 1.062)	0.15	
Year 3	1.030 (1.000, 1.061)	1.036 (1.006, 1.066)	<b>0.02</b>	1.034 (1.000, 1.070)	1.039 (1.004, 1.075)	<b>0.03</b>	
Year 4	1.047 (1.017, 1.078)	1.052 (1.022, 1.083)	<b>&lt;0.001</b>	1.062 (1.027, 1.099)	1.068 (1.032, 1.105)	<b>&lt;0.001</b>	

<sup>1</sup>Incident rate ratio

<sup>2</sup>Adjusted for age, sex, BMI and CES-D depression score.

Mean number of affected joints at baseline is 2.1 (2.0, 2.2) in the whole cohort and 3.9 (3.8, 4.1) among those with  $\geq 1$  painful joints at each visit.