

Appendix 1 Logistic regression of temporomandibular joint symptoms by success of orthodontic treatment, adjusting for sex, personality characteristics and parafunctional habits.

	Self-reported click at age 45 (last 12 months) OR (95% CI)	Self-reported click during age 45 examination OR (95% CI)	Examiner-detected click during age 45 examination OR (95% CI)	Disc displacement with reduction (DC/TMD) at age 45 OR (95% CI)
Female sex	0.9 (0.6, 1.3)	1.6 (1.1, 2.3)	1.8 (1.3, 2.7)	1.7 (1.2, 2.6)
MPQ superfactors				
Negative emotionality Z score	1.1 (0.9, 1.4)	1.1 (1.0, 1.4)	1.0 (0.9, 1.2)	1.1 (0.9, 1.3)
Positive emotionality Z score	0.8 (0.6, 0.9)	1.0 (0.8, 1.2)	1.0 (0.9, 1.2)	1.1 (0.9, 1.3)
Constraint Z score	1.0 (0.8, 1.2)	0.9 (0.8, 1.1)	0.9 (0.9, 1.2)	0.9 (0.7, 1.1)
Outcome of orthodontic treatment				
Satisfactory*	1.2 (0.7, 2.0)	0.8 (0.5, 1.3)	0.8 (0.5, 1.4)	1.0 (0.6, 1.6)
Unsatisfactory**	1.0 (0.6, 0.9)	0.8 (0.5, 1.2)	0.9 (0.6, 1.4)	0.8 (0.5, 1.3)
Self-reported day-time dental clenching, last 12 months	2.6 (1.6, 4.3)	1.2 (0.7, 1.9)	0.8 (0.5, 1.3)	1.0 (0.6, 1.7)
Self-reported night-time clenching/grinding, last 12 months	1.2 (0.7, 2.0)	1.1 (0.7, 1.7)	1.1 (0.7, 1.8)	1.1 (0.6, 1.8)

*Participant received orthodontic treatment and had normal OJ, OB and posterior cross bite at age 45.

** Participant received orthodontic treatment but had abnormal OJ, OB and posterior cross bite at age 45.