

## Supplementary file 2. Neck pain patient reported outcome measures

Item activity	NDI	NPDS	NPQ	NBQ	CNFDS	WDQ
Pain intensity	✓	✓	✓	✓ over past week		✓
Personal care	✓	✓			✓ getting dressed in same time ✓ bend over sink to brush teeth without pain	✓
Lifting	✓				✓ objects from 2-4kg	
Reading	✓		✓+ TV		✓	
Headaches	✓				✓	
Concentration	✓	✓			✓	✓
Work	✓	✓	✓+ housework	✓ inside & out home over past week		✓+ home/study duties
Driving	✓	✓	✓			✓ or using public transport
Sleeping	✓	✓	✓		✓	✓
Recreation	✓	✓		✓ +social & family over past week	✓ leisure with family	✓ non sporting leisure activities
Average pain		✓				
Worst pain		✓				
Standing		✓				
Walking		✓				
Social activities		✓	✓		✓ going out with others	✓
Personal relationships		✓			✓ with family	
Outlook on life		✓				
Emotions		✓				
Neck stiffness		✓				
Turning head		✓				
Looking up & down		✓				
Working overhead		✓				
Pain pills helpful		✓				
Pins & needles in arms at night			✓			
Symptom duration			✓			
Carrying			✓			
Diff since last NPQ			✓			
Daily activities				✓ housework, washing, dressing, lifting, reading, driving over past week	✓ as before with pain & ✓ without help from others	
Anxious				✓ tense, uptight, irritable, difficulty concentrating/relaxing over past week		✓
Depression/sadness				✓ down in dumps, sad, in low spirits, pessimistic, unhappy over past week		✓
Self control of pain				✓ over past week		
More time at home					✓	
More time in bed					✓	
Disruption of future					✓	
Tiredness/fatigue						✓
Sport						✓
Anger						✓

Abbreviations: NDI= Neck Disability Index, NPDS = Neck Pain and Disability Questionnaire, NPQ = Northwick Park Neck Pain Questionnaire, NBQ = Neck Bournemouth Questionnaire, CNFDS = Copenhagen Neck Functional Disability Scale, WDQ = Whiplash Disability Questionnaire