

Appendix 1

	Item	Discrimination a	Difficulty b1	Difficulty b2	Difficulty b3	Difficulty b4	Item RMSEA
1	During the past 4 weeks..... How would you describe the pain you usually had from your hip?	1.914691405	0.164325049	2.206224888	3.209345224	4.186925039	0.011
2	During the past 4 weeks..... Have you had any trouble with washing and drying yourself (all over) because of your hip?	1.740856269	2.940926073	-	0.609238754	1.637069089	0.003
3	During the past 4 weeks..... Have you had any trouble getting in and out of a car or using public transport because of your hip? (whichever you tend to use)	2.321961482	3.093433431	-	0.496468803	1.340835438	0.014
4	During the past 4 weeks..... Have you been able to put on a pair of socks, stockings or tights?	1.547750826	1.475337619	-	0.125804902	1.50632625	0.009
5	During the past 4 weeks..... Could you do the household shopping on your own?	2.376360472	0.348672227	-	0.659403189	1.549282667	NA
6	During the past 4 weeks..... For how long have you been able to walk before pain from your hip becomes severe? (with or without a stick)	1.668616909	0.642568044	-	0.719789266	2.086871457	NA
7	During the past 4 weeks..... Have you been able to climb a flight of stairs?	2.360767142	1.889430738	-	0.433126962	0.981278344	2.144165736
8	During the past 4 weeks..... After a meal (sat at a table), how painful has it been for you to stand up from a chair because of your hip?	2.258019654	-2.12187152	-	0.056100465	1.205103327	2.706143566
9	During the past 4 weeks..... Have you been limping when walking, because of your hip?	1.42746619	0.251525777	1.633812085	4.171461153	NA	0.007
10	During the past 4 weeks..... Have you had any sudden, severe pain - 'shooting', 'stabbing' or 'spasms' - from the affected hip?	1.324519295	0.892084132	-	0.289697408	1.709666854	NA
11	During the past 4 weeks..... How much has pain from your hip interfered with your usual work (including housework)?	2.775690212	1.028278183	-	0.415519961	1.607031821	2.776328526
12	During the past 4 weeks..... Have you been troubled by pain from your hip in bed at night?	1.260879482	0.194492803	-	1.068727884	2.493862719	NA

Table 1 : Oxford Hip Score items with associated IRT derived difficulty and discrimination parameters.

Appendix 1

	Item	Discrimination a	Difficulty b1	Difficulty b2	Difficulty b3	Difficulty b4	Item RMSEA
1	During the past 4 weeks..... How would you describe the pain you usually have from your knee?	1.683615138	0.035557101	2.328205621	3.433951121	4.561327448	0.005
2	During the past 4 weeks..... Have you had any trouble with washing and drying yourself (all over) because of your knee?	1.492252738	-4.326258935	-2.018457992	-0.292460352	0.770869766	0.016
3	During the past 4 weeks..... Have you had any trouble getting in and out of a car or using public transport because of your knee? (whichever you would tend to use)	1.932656761	-3.747375182	-0.968340445	0.945305979	2.030550642	0.007
4	During the past 4 weeks..... For how long have you been able to walk before pain from	1.387915921	-1.095979526	0.648687269	2.23788967	NA	0.010
5	During the past 4 weeks..... After a meal (sat at a table), how painful has it been for you to stand up from a chair because of your knee?	1.973493643	-2.473540467	-0.110575589	1.302091221	2.835473629	0.003
6	During the past 4 weeks..... Have you been limping when walking, because of your knee?	1.263415959	-0.270638346	1.272611253	4.061594039	NA	0.011
7	During the past 4 weeks..... Could you kneel down and get up again afterwards?	1.413075377	-0.361382764	1.150705024	2.902993876	4.420398561	0.018
8	During the past 4 weeks..... Have you been troubled by pain from your knee in bed at night?	1.23865998	-0.757873886	0.547071749	2.065465542	NA	0.005
9	During the past 4 weeks..... How much has pain from your knee interfered with your usual work (including housework)?	2.563072755	-1.375193192	0.177463486	1.561747127	2.724240742	0.008
10	During the past 4 weeks..... Have you felt that your knee might suddenly 'give way' or let you down?	1.507070288	-1.693738699	-0.259659605	0.672066751	2.202410973	0.008
11	During the past 4 weeks..... Could you do the household shopping on your own?	2.235209642	-1.264960065	-0.483151955	0.662939289	1.641645648	0.019
12	2 During the past 4 weeks..... Could you walk down one flight of stairs?	2.135163585	-2.14417636	-0.398774015	1.11031124	2.341481914	0.011

Table 2 : Oxford Knee Score items with associated IRT derived difficulty and discrimination parameters.