

Title: Patient acceptable symptom state and treatment failure threshold values for work productivity and activity Impairment and EQ-5D-5L in osteoarthritis

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Table A1. Patient acceptable symptom state (PASS) and treatment failure (TF) thresholds (95% confidence intervals) for EQ-5D-5L and Work Productivity and Activity Impairment (WPAI) among participants with responses at both 3- and 12-month follow ups (n=2,681).

	PASS		TF	
	3-Month	12-month	3-Month	12-month
Hypothetical-based EQ-5D-5L score	0.92 (0.92, 0.92)	0.91 (0.91, 0.92)	0.79 (0.77, 0.81)	0.75 (0.73, 0.77)
Experience-based EQ-5D-5L score	0.88 (0.87, 0.88)	0.87 (0.86, 0.87)	0.77 (0.76, 0.79)	0.75 (0.73, 0.77)
WPAI– overall work impairment ^a	16 (14, 17)	16 (14, 17)	31 (26, 35)	33 (29, 39)
WPAI–activity impairment	25 (24, 26)	26 (25, 27)	48 (45, 51)	49 (45, 52)

^a Employed participants aged 70 years and younger at enrolment (n=925).

Table A2. Patient acceptable symptom state (PASS) and treatment failure (TF) thresholds (95% confidence intervals) for EQ-5D-5L at 3- and 12-month after enrolment in the digital program, stratified by osteoarthritis site.

	PASS			TF		
	Knee OA	Hip OA	Difference (knee-hip)	Knee OA	Hip OA	Difference (knee-hip)
3-Month	N=8756	N=5851		N=8756	N=5851	
Hypothetical-based EQ-5D-5L score	0.92 (0.92, 0.92)	0.91 (0.91, 0.91)	0.01 (0.01, 0.02)	0.79 (0.78, 0.80)	0.74 (0.72, 0.75)	0.05 (0.04, 0.07)
Experience-based EQ-5D-5L score	0.88 (0.88, 0.88)	0.87 (0.86, 0.87)	0.01 (0.01, 0.02)	0.78 (0.78, 0.79)	0.74 (0.73, 0.75)	0.04 (0.03, 0.05)
12-month	N=1677	N=1030		N=1677	N=1030	
Hypothetical-based EQ-5D-5L score	0.91 (0.91, 0.92)	0.91 (0.90, 0.92)	0.00 (-0.01, 0.01)	0.78 (0.75, 0.81)	0.72 (0.67, 0.75)	0.06 (0.02, 0.11)
Experience-based EQ-5D-5L score	0.87 (0.87, 0.88)	0.86 (0.86, 0.87)	0.01 (0.00, 0.02)	0.78 (0.75, 0.80)	0.73 (0.70, 0.75)	0.05 (0.02, 0.08)

Table A3. Patient acceptable symptom state (PASS) and treatment failure (TF) thresholds (95% confidence intervals) for Work Productivity and Activity Impairment (WPAI) at 3- and 12-month after enrolment in the digital program, stratified by osteoarthritis site.

	PASS			TF		
	Knee OA	Hip OA	Difference (knee-hip)	Knee OA	Hip OA	Difference (knee-hip)
3-Month	N=8756	N=5851		N=8756	N=5851	
WPAI– overall work impairment ^a	16 (15, 17)	15 (14, 16)	0.6 (-0.6, 1.7)	29 (27, 32)	29 (27, 32)	0.3 (-3.4, 3.9)
WPAI–activity impairment	26 (26, 27)	26 (25, 26)	0.5 (-0.2, 1.3)	48 (47,50)	51 (49, 53)	-2.6 (-4.8, -0.4)
12-month	N=1677	N=1030		N=1677	N=1030	
WPAI– overall work impairment ^b	16 (14, 18)	15 (13, 17)	0.8 (-1.9, 3.5)	35 (27, 42)	32 (25, 40)	2.4 (-8.2, 13.4)
WPAI–activity impairment	27 (26, 28)	25 (24, 26)	1.6 (-0.1, 3.4)	45 (40, 50)	52 (48, 57)	-7.0 (-13.1, -0.2)

^a Employed participants aged 70 years and younger at enrolment (n=3,409 for knee OA and n=2,155 for hip OA).

^b Employed participants aged 70 years and younger at enrolment (n=574 for knee OA and n=359 for hip OA).

Table A4. Patient acceptable symptom state (PASS) and treatment failure (TF) thresholds (95% confidence intervals) for EQ-5D-5L and Work Productivity and Activity Impairment (WPAI) at 3- and 12-month after enrolment in the digital program, stratified by age group.

	PASS			TF		
	≤65 years	>65 years	Difference (older-younger)	≤65 years	>65 years	Difference (older-younger)
3-Month	N=7929	N=6678		N=7929	N=6678	
Hypothetical-based EQ-5D-5L score	0.91 (0.91, 0.92)	0.92 (0.92, 0.92)	0.01 (0.00, 0.01)	0.76 (0.75, 0.77)	0.78 (0.77, 0.79)	0.02 (0.01, 0.04)
Experience-based EQ-5D-5L score	0.87 (0.87, 0.87)	0.88 (0.87, 0.88)	0.00 (0.00, 0.01)	0.76 (0.75, 0.77)	0.77 (0.76, 0.78)	0.01 (0.00, 0.02)
WPAI–activity impairment	25 (25, 26)	27 (26, 27)	1.7 (1.0, 2.4)	49 (47, 50)	51 (50, 53)	2.5 (0.2, 4.8)
12-month	N=1434	N=1273		N=1434	N=1273	
Hypothetical-based EQ-5D-5L score	0.91 (0.90, 0.92)	0.91 (0.91, 0.92)	0.01 (-0.00, 0.02)	0.75 (0.72, 0.78)	0.74 (0.70, 0.78)	-0.01 (-0.06, 0.05)
Experience-based EQ-5D-5L score	0.87 (0.86, 0.87)	0.87 (0.86, 0.88)	0.00 (-0.00, 0.01)	0.75 (0.73, 0.77)	0.75 (0.72, 0.77)	0.00 (-0.03, 0.03)
WPAI–activity impairment	25 (24, 26)	27 (26, 29)	2.5 (0.9, 4.1)	47 (43, 52)	51 (46, 56)	3.9 (-2.2, 10.2)