

Supplementary data

Table S3. Adjusted mean difference of NRS pain at rest, EQ-5D index score, and EQ-5D VAS preoperatively and 3- or 6-, and 12- months after total hip, total knee, and unicompartmental knee arthroplasty according to hospital type

PROM	Private hospital	Public hospital	Private vs public
	Mean and mean change (CI)	Mean and mean change (CI)	Difference in mean change (CI)
Total hip arthroplasty			
NRS Pain at rest			
Baseline	5.4 (5.3 to 5.5)	5.6 (5.5 to 5.7)	
Baseline to 3 months	−3.9 (−4.0 to −3.9)	−4.0 (−4.0 to −4.0)	0.1 (0.03 to 0.1) ^a
Baseline to 12 months	−4.3 (−4.4 to −4.3)	−4.3 (−4.4 to −4.3)	0.01 (−0.05 to 0.06)
EQ-5D index score			
Baseline	0.41 (0.40 to 0.42)	0.39 (0.39 to 0.40)	
Baseline to 3 months	0.29 (0.28 to 0.29)	0.28 (0.28 to 0.28)	0.01 (−0.00 to 0.01)
Baseline to 12 months	0.34 (0.33 to 0.34)	0.31 (0.31 to 0.32)	0.02 (0.02 to 0.03) ^a
EQ-5D VAS			
Baseline	54.1 (53.2 to 55.0)	53.9 (53.5 to 54.3)	
Baseline to 3 months	12.4 (12.0 to 12.8)	11.2 (11.0 to 11.4)	1.2 (0.8 to 1.6) ^a
Baseline to 12 months	14.3 (13.8 to 14.8)	11.6 (11.4 to 11.8)	2.7 (2.2 – 3.2) ^a
Total knee arthroplasty			
NRS Pain at rest			
Baseline	5.2 (5.1 to 5.3)	5.4 (5.3 to 5.5)	
Baseline to 6 months	−3.4 (−3.5 to −3.3)	−3.3 (−3.3 to −3.3)	− 0.1 (−0.2 to 0.1) ^a
Baseline to 12 months	−3.8 (−3.8 to −3.7)	−3.6 (−3.6 to −3.6)	− 0.2 (−0.2 to −0.1) ^a
EQ-5D index score			
Baseline	0.49 (0.48 to 0.5)	0.48 (0.47 to 0.48)	
Baseline to 6 months	0.23 (0.23 to 0.24)	0.22 (0.22 to 0.22)	0.01 (0.01 to 0.02) ^a
Baseline to 12 months	0.26 (0.26 to 0.27)	0.24 (0.24 to 0.24)	0.02 (0.02 to 0.03) ^a
EQ-5D VAS			
Baseline	60.3 (59.5 to 61.2)	60.0 (59.2 to 60.8)	
Baseline to 6 months	7.5 (7.0 to 8.0)	6.2 (6.0 to 6.4)	1.4 (0.8 to 1.9) ^a
Baseline to 12 months	9.1 (8.5 to 9.6)	6.7 (6.5 to 6.9)	2.4 (1.8 to 3.0) ^a
Unicompartmental knee arthroplasty			

NRS Pain at rest			
Baseline	5.1 (4.8 to 5.4)	5.0 (4.7 to 5.3)	
Baseline to 6 months	−3.8 (−3.9 to −3.7)	−3.7 (−3.7 to −3.6)	− 0.1 (−0.3 to 0.01)
Baseline to 12 months	−4.0 (−4.1 to −3.9)	−3.8 (−3.9 to −3.8)	− 0.2 (−0.3 to −0.03) ^a
EQ-5D index score			
Baseline	0.53 (0.51 to 0.56)	0.50 (0.48 to 0.52)	
Baseline to 6 months	0.25 (0.24 to 0.26)	0.27 (0.26 to 0.27)	−0.02 (−0.03 to −0.01) ^a
Baseline to 12 months	0.27 (0.26 to 0.28)	0.28 (0.27 to 0.28)	−0.01 (−0.02 to 0.002)
EQ-5D VAS			
Baseline	60.9 (57.4 to 62.8)	61.0 (58.5 to 63.6)	
Baseline to 6 months	9.1 (8.2 to 10.1)	8.0 (7.5 to 8.6)	1.1 (0.1 to 2.2) ^a
Baseline to 12 months	10.1 (9.0 to 11.0)	8.2 (7.6 to 8.8)	1.8 (0.7 to 3.0) ^a
^a Significant difference. CI: 95% confidence interval, NRS: Numeric Rating Scale (NRS), EQ-5D: EuroQol 5D, VAS: Visual Analog Scale.			

Table S4. Mean travel distance in kilometers (km) to a hospital in the Netherlands for total hip, total knee, and unicompartmental knee arthroplasty patients stratified by private and public hospitals per province

		THA		TKA		UKA	
Province	Hospital type	Mean dist. km	Mean difference (CI)	Mean dist. km	Mean difference (CI)	Mean dist. km	Mean difference (CI)
1	Private	45	31 (30.8 to 31.9)	39	28 (27.2 to 28.1) ^a	34	21 (20.0 to 22.5) ^a
	Public	14	^a	11		13	
2	Private	39	23 (22.2 to 23.2)	40	22 (21.4 to 22.5) ^a	40	23 (21.8 to 24.0) ^a
	Public	16	^a	18		17	
3	Private	35	22 (21.3 to 22.2)	36	23 (22.2 to 23.4) ^a	37	21 (19.4 to 22.1) ^a
	Public	13	^a	13		16	
4	Private	74	50 (47.7 to 51.4)	74	49 (47.1 to 50.0) ^a	59	29 (25.2 to 32.3) ^a
	Public	25	^a	25		30	

5	Private	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Public	18		17		18	
6	Private	63	47 (45.3 to 47.8)	60	43 (41.7 to 44.8) ^a	72	51 (45.6 to 56.9) ^a
	Public	17	^a	17		20	
7	Private	11	−3 (−3.7 to −1.8)	10	−4 (−5.3 to −3.2) ^a	12	−3 (−5.3 to −1.4) ^a
	Public	14	^a	14		15	
8	Private	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Public	21		20		21	
9	Private	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Public	20		19		22	
10	Private	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Public	21		21		26	
11	Private	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Public	22		22		23	
12	Private	47	33 (24.2 to 40.9)	63	49 (47.4 to 50.9) ^a	66	55 (51.3 to 57.7) ^a
	Public	14	^a	14		11	
Total	Private	41	24 (23.9 to 24.4)	41	24 (24.0 to 24.6) ^a	38	19 (18.7 to 20.0) ^a
	Public	17	^a	17		19	

^a Significant difference.

CI: 95% confidence interval, n.a.: not applicable.

