

1 **Supplementary Appendix**

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3 Figure S1: Illustration of how quality of life was calculated the year pre- and post-intervention

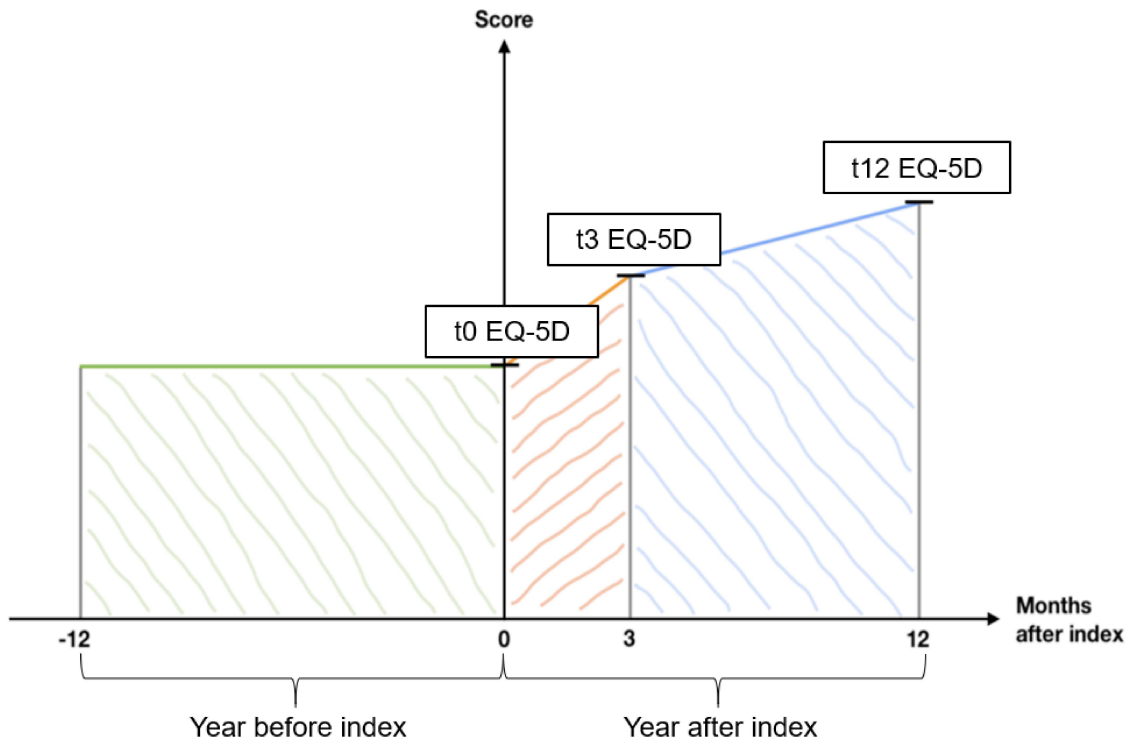
4 Table S1: Baseline characteristics in patients with complete information and patients with loss to
5 follow up

6 Table S2: Mean public transfer payments one year prior to and one or three years following
7 GLA:D[®] for knee and hip patients

8 Table S3: Mean health care costs and home care costs one year prior to and one or three years
9 following GLA:D[®] for knee and hip patients

10 Table S4: Adjusted health care costs and home care costs one year prior to and one or three years
11 following GLA:D[®] for knee and hip patients

12 Table S5. Sensitivity analysis - adjusted estimated health care cost per QALY from baseline to 12
13 months for knee and hip patients attending GLA:D[®] in private clinics, municipal clinics and
14 patients with complete information

15 **Figure S1: Illustration of how quality of life was calculated the year pre and post intervention**

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17 **Table S1: Baseline characteristics in patients with complete information and patients who had**
 18 **incomplete information**

	Complete information		Incomplete information	
	Knee (n: 6,990)	Hip (n: 2,349)	Knee (n: 5,173)	Hip (n: 1,749)
Age (years), mean (SD)	64.4 (9.1)	65.7 (8.7)	63.7 (10.7)	65.7 (10.3)
Gender (Female), % (n)	73.2 (5,113)	74.6 (1,753)	73.0 (3,777)	72.2 (1,263)
BMI (kg/m ²), mean (SD)	28.4 (5.2)	26.6 (4.4)	28.9 (5.4)	27.2 (4.9)
Marital status , % (n)				
Married or living with others	75 (5,256)	73 (1,714)	69 (3,547)	68 (1,179)
Single	25 (1,730)	27 (634)	31 (1,629)	32 (566)
Ethnic background , % (n)				
Danish	97 (6,773)	97 (2,276)	95 (4,928)	97 (1,685)
Other western	2 (160)	3 (60)	3 (139)	3 (46)
Not western	1 (53)	0.5 (11)	2 (107)	0.8 (14)
Educational level , % (n)				
Primary	17 (1,177)	18 (420)	21 (1,100)	22 (386)
Secondary	3 (197)	3 (69)	3 (170)	2 (43)
Vocational	38 (2,671)	34 (792)	40 (2,090)	39 (689)
Short-term	5 (322)	5 (123)	5 (236)	4 (62)
Bachelor	28 (1,999)	31 (722)	31 (1,187)	24 (423)
Long-term	8 (546)	9 (200)	9 (327)	7 (129)
Unknown	1 (74)	1 (22)	1 (66)	1 (13)
Social status , % (n)				
Employed	44 (3,012)	37 (866)	44 (2,252)	37 (627)
Unemployed	0.5 (35)	0.3 (6)	0.8 (42)	0.4 (7)
Sick pay (public funded)	0.5 (37)	0.4 (9)	1 (49)	0.3 (6)
Disability pension	3 (228)	3 (76)	4 (216)	4 (76)
Early retirement	8 (527)	9 (2025)	5 (239)	6 (95)
Age pension	43 (3,006)	49 (1,137)	43 (2,203)	52 (891)
Other	1 (69)	1 (33)	1 (68)	0.8 (14)
Sick leave [†] , % (n)	4.9 (314)	3.2 (77)	6.8 (353)	3.8 (67)
Administrative region , % (n)				
Capital Region	27 (1,875)	26 (606)	29 (1,492)	30 (525)
Region Zealand	13 (936)	14 (327)	12 (642)	12 (208)
Region of Southern Denmark	23 (1,579)	26 (602)	21 (1,075)	25 (428)
Central Denmark Region	26 (1,796)	26 (609)	25 (1,275)	24 (412)
North Denmark Region	11 (800)	9 (204)	13 (1,289)	10 (172)
Number of comorbidities [‡] , % (n)				
0	39.2 (2,575)	41.9 (928)	36.9 (1,798)	36.5 (608)
1	36.2 (2,381)	35.5 (787)	35.0 (1,704)	34.7 (578)
2	17.0 (1,118)	15.8 (350)	17.8 (867)	18.1 (302)
3 or more	7.7 (504)	6.9 (152)678	10.4 (505)	10.7 (178)
Symptom duration (months), median (IQR)	24 (7-60)	24 (8-48)	24 (7-60)	24 (8-48)
Pain intensity (VAS 0-100, best to worst), mean (SD)	47.3 (21.8)	45.9 (21.4)	50.3 (22.3)	49.7 (22.0)
Bilateral symptoms , % (n)	46.7 (3,259)	26.6 (622)	45.7 (2,355)	25.4 (442)
Walk speed [#] (m/sec), mean (SD)	1.51 (0.32)	1.52 (0.33)	1.46 (0.35)	1.45 (0.35)

Previous surgery in worst joint[‡], % (n)	30.2 (2,112)	3.2 (78)	31.3 (1,619)	4.8 (84)
Receive home care, % (n)	8.9 (621)	9.6 (224)	11.5 (593)	12.4 (215)
Use of pain medication[§] (yes), % (n)				
Overall	60.9 (4,256)	62.7 (1,473)	61.8 (3,196)	66.1 (1,156)
Paracetamol	49.5 (3,463)	52.9 (1,243)	50.5 (2,610)	53.8 (941)
NSAIDs	35.8 (2,504)	32.5 (764)	35.2 (1,821)	37.5 (655)
Opioids	6.6 (459)	8.1 (190)	7.9 (409)	10.1 (177)
KOOS/HOOS QOL[*] (0-100, best to worst), mean (SD)	46.0 (14.5)	47.9 (15.0)	44.1 (15.0)	46.7 (15.3)

19 Missing values: BMI: n: 2 (knee, complete), n: 5 (hip, complete), n: 3 (knee, incomplete), n: 2 (hip, incomplete); Ethnic background: n: 1 (hip,
20 complete), n: 2 (knee, incomplete); Social status: n: 72 (knee, complete), n: 19 (hip, complete), n: 107 (knee, incomplete), n: 29 (hip, incomplete);
21 Sick leave: n: 6 (knee, complete), n: 1 (hip, complete), n: 19 (knee, incomplete), n: 3 (hip, incomplete); Number of comorbidities: n: 412 (knee,
22 complete), n: 132 (hip, complete), n: 299 (knee, incomplete), n: 83 (hip, incomplete); Symptom duration (mainly missing due to technical problems):
23 n: 1,730 (knee, complete), n: 595 (hip, complete), n: 1,427 (knee, incomplete), n: 501 (hip, incomplete); Pain intensity: n: 8 (knee, complete), n: 3
24 (hip, complete), n: 15 (knee, incomplete), n: 6 (hip, incomplete); Bilateral symptoms: n: 14 (knee, complete), n: 10 (hip, complete), n: 18 (knee,
25 incomplete), n: 10 (hip, incomplete); Walk speed: n: 309 (knee, complete), n: 100 (hip, complete), n: 301 (knee, incomplete), n: 121 (hip,
26 incomplete); Receive home care: n: 31 (knee, complete), n: 8 (hip, complete), n: 36 (knee, incomplete), n: 8 (hip, incomplete); KOOS/HOOS QOL: n:
27 17 (knee, complete), n: 9 (hip, complete), n: 19 (knee, incomplete), n: 10 (hip, incomplete).

28 [‡]Walking speed was assessed with the 40 m Fast-paces Walk Test under instruction of the GLA:D[®]-therapist

29 [§]Self-reported use of pain medication during last 3 months

30 ^{||}Self-reported sick leave for more than 1 month during last year due to knee/hip

31 [¶]Number of comorbidities calculated from self-report of the following conditions: hypertension, cardiovascular diseases, lung diseases, diabetes,
32 stomach diseases, liver- or kidney diseases, blood diseases, cancer, depression, rheumatoid arthritis, neurological disorders, other medical diseases

33 [‡]Self-reported previous surgery in worst joint

34 ^{*}Knee injury and Osteoarthritis Outcome Score or Hip disability or Osteoarthritis Outcome Score Quality Of Life sub-scale score

35 Table S2. Mean public transfer payments one year prior to and one or three years following GLA:D® for knee and hip patients

	One-year horizon							Three-year horizon								
	Pre-period (1 year)		Post-period (mth 1-3)		Post-period (mth 4-12)		Post-period (1 year)		Pre-period (1 year)		Post-period (year 1)		Post-period (year 2)		Post-period (year 3)	
	Weeks/month	Weeks/month	p-value	Weeks/month	p-value	Weeks/month	p-value	Weeks/month	p-value	Weeks/year	Weeks/year	p-value	Weeks/year	p-value	Weeks/year	p-value
	Knee patients in workforce (n: 5,586)							Knee patients in workforce (n: 905)								
Public transfer payments																
Unemployed	0.26	0.29	0.465	0.30	0.104	0.29	0.148	2.93	3.23	0.996	3.03	1.000	2.91	1.000		
Sheltered employment	0.17	0.16	1.000	0.16	1.000	0.16	1.000	1.48	1.52	1.000	1.61	1.000	1.68	0.999		
Sick pay	0.14	0.19	0.000	0.16	0.807	0.17	0.159	1.55	1.88	0.830	1.64	1.000	1.24	0.798		
Rehabilitation	0.01	0.01	0.998	0.01	1.000	0.01	0.999	0.09	0.03	0.964	0.09	1.000	0.06	1.000		
Education	0.01	0.01	1.000	0.01	1.000	0.01	1.000	0.20	0.18	1.000	0.23	1.000	0.20	1.000		
Disability pension	0.29	0.30	1.000	0.29	1.000	0.30	1.000	3.51	3.53	1.000	3.20	0.000	2.93	0.939		
Early retirement	0.37	0.46	0.001	0.46	0.002	0.46	0.001	5.58	6.73	0.598	6.36	0.907	4.89	0.935		
	Hip patients in workforce (n: 1,543)							Hip patients in workforce (n: 264)								
Public transfer payments																
Unemployed	0.22	0.23	1.000	0.24	0.998	0.23	0.999	2.28	2.57	1.000	2.30	1.000	1.80	0.995		
Sheltered employment	0.16	0.16	1.000	0.16	1.000	0.16	1.000	1.72	1.72	1.000	1.50	1.000	1.78	1.000		
Sick pay	0.10	0.14	0.202	0.16	0.006	0.15	0.009	1.35	1.85	0.963	1.72	0.992	1.48	1.000		
Rehabilitation	0.00	0.01	0.996	0.00	1.000	0.00	1.000	0.04	0.06	1.000	0.19	0.986	0.41	0.622		
Education	0.01	0.01	1.000	0.01	1.000	0.01	1.000	0.27	0.20	1.000	0.20	1.000	0.12	0.997		
Disability pension	0.37	0.37	1.000	0.37	1.000	0.37	1.000	4.34	4.45	1.000	3.98	1.000	3.47	0.991		
Early retirement	0.45	0.56	0.128	0.56	0.129	0.56	0.126	7.73	9.78	0.810	8.59	0.999	6.08	0.876		

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37 Table S3. Mean health care costs and home care costs one year prior to and one or three years following GLA:D® for knee and hip patients

	Pre-period (1 year)		Post-period (mth 1-3)		Post-period (mth 4-12)		Post-period (1 year)		Pre-period (1 year)		Post-period (year 1)		Post-period (year 2)		Post-period (year 3)	
	Cost (£/month)	Cost (£/month)	p-value	Cost (£/month)	p-value	Cost (£/month)	p-value	Cost (£/Year)	Cost (£/Year)	p-value	Cost (£/Year)	p-value	Cost (£/Year)	p-value	Cost (£/Year)	p-value
Knee (n: 12,162)								Knee (n: 1,879)								
Health costs (somatic)																
Inpatient Admissions total	73.1	67.7	0.999	170.6	0.000	144.8	0.000	962.1	1,785.3	0.000	2,086.1	0.000	1,729.7	0.000		
Thereof inpatient																
Surgery knee/hip	9.6	17.9	0.004	67.7	0.000	55.2	0.000	160.0	618.4	0.000	681.6	0.000	428.7	0.000		
Surgery other	11.3	4.9	0.000	14.1	0.596	11.8	1.000	151.3	225.5	0.866	198.8	0.995	290.1	1.000		
Outpatient Services total	108.4	90.3	0.000	107.4	1.000	103.1	0.764	1,421.0	1,345.1	1.000	1,359.0	1.000	1,372.1	0.771		
Thereof outpatient																
Surgery knee/hip	4.3	1.2	0.000	1.7	0.000	1.6	0.000	74.9	16.9	0.000	10.0	0.000	6.0	0.000		
Surgery other	1.9	1.8	1.000	1.8	1.000	1.8	1.000	23.4	15.5	0.998	24.4	1.000	32.1	1.000		
Primary health sector total	48.9	75.5	0.000	49.6	0.963	56.1	0.000	562.7	669.7	0.000	593.8	0.614	581.8	0.000		
Thereof primary																
Physiotherapy	5.2	33.7	0.000	7.7	0.000	14.2	0.000	66.2	175.4	0.000	68.5	1.000	60.8	0.000		
Chiropractic	0.5	0.5	1.000	0.5	0.768	0.5	0.946	6.2	6.9	0.999	6.0	1.000	5.7	0.942		
General practitioner	18.5	16.7	0.000	17.5	0.000	17.3	0.000	215.8	206.4	0.783	222.9	0.977	221.1	0.000		
Other primary	24.7	24.5	1.000	23.9	0.560	24.0	0.816	274.6	281.0	1.000	296.3	0.809	294.2	0.818		
Prescription medications total	28.8	29.5	0.998	29.9	0.873	29.8	0.943	314.5	346.9	0.782	367.7	0.161	372.8	0.938		
Thereof prescription																
Painkiller medications	3.4	3.6	1.000	3.8	0.985	3.7	0.995	34.8	38.4	0.940	40.2	0.616	39.3	0.996		
Not painkiller medications	25.4	25.9	1.000	26.2	0.982	26.1	0.993	279.8	308.5	0.869	327.5	0.252	333.5	0.994		
Health costs total (somatic)	259.2	263.0	1.000	357.6	0.000	333.8	0.000	3,260.3	4,147.0	0.001	4,406.6	0.000	4,056.4	0.000		
Home care																
Home care total	2.5	3.2	0.851	4.6	0.001	4.2	0.002	30.7	60.1	0.718	107.7	0.016	203.3	0.015		
Thereof home care																
Home care – Care	1.0	1.6	0.965	2.5	0.008	2.2	0.013	8.3	29.8	0.756	69.4	0.019	151.7	0.147		
Home care - Practical help	1.5	1.7	0.974	2.1	0.078	2.0	0.141	22.4	30.3	0.982	38.4	0.390	51.7	0.003		
Hip (n: 4,093)								Hip (n: 658)								
Health costs (somatic)																
Inpatient Admissions total	79.8	127.1	0.000	274.4	0.000	237.4	0.000	1,099.4	3,047.2	0.000	2,699.7	0.000	2,141.7	0.000		
Thereof inpatient																
Surgery knee/hip	13.0	77.2	0.000	181.5	0.000	155.3	0.000	162.5	1,901.2	0.000	1,391.5	0.000	901.2	0.000		
Surgery other	6.8	2.7	0.198	10.4	0.732	8.4	0.998	95.8	122.7	1.000	131.9	1.000	137.1	0.999		
Outpatient Services total	96.4	87.0	0.676	114.8	0.040	107.8	0.453	1,169.9	1,259.9	1.000	1,420.9	0.947	1,478.7	0.463		
Thereof outpatient																
Surgery knee/hip	0.3	0.7	0.999	0.9	0.750	0.8	0.661	6.8	9.9	1.000	0.0	0.996	0.0	0.673		
Surgery other	1.7	3.0	0.855	2.2	0.996	2.4	0.874	28.2	18.3	1.000	17.1	0.999	15.0	1.000		
Primary health sector total	49.1	79.9	0.000	51.9	0.000	58.9	0.000	571.3	701.2	0.000	611.1	0.934	594.4	0.000		
Thereof primary																
Physiotherapy	6.4	37.5	0.000	8.8	0.000	16.0	0.000	89.6	208.1	0.000	91.3	1.000	72.0	0.000		
Chiropractic	0.7	0.5	0.031	0.5	0.001	0.5	0.001	8.1	7.2	1.000	4.6	0.034	6.4	0.002		
General practitioner	18.0	16.9	0.041	17.9	1.000	17.7	0.970	206.9	205.7	1.000	233.1	0.759	218.7	0.972		
Other primary	23.9	24.9	0.983	24.7	0.993	24.7	0.986	266.6	280.3	1.000	292.1	0.973	297.3	0.988		
Prescription medications total	28.7	29.6	1.000	30.3	1.000	30.1	0.977	316.9	358.8	0.989	335.2	1.000	349.8	0.980		
Thereof prescription																
Painkiller medications	3.1	4.1	0.000	3.9	0.000	4.0	0.000	33.4	44.6	0.530	37.1	1.000	35.8	0.000		
Not painkiller medications	25.7	25.6	1.000	26.3	1.000	26.1	1.000	283.5	314.2	1.000	298.1	1.000	314.0	1.000		
Health costs total (somatic)	254.1	323.6	0.000	471.5	0.000	434.2	0.000	3,157.5	5,367.0	0.000	5,066.9	0.000	4,564.6	0.000		
Home care																
Home care total	3.4	4.0	1.000	4.9	0.977	4.7	0.994	78.3	108.9	1.000	189.1	1.000	265.0	0.994		
Thereof home care																
Home care – Care	1.8	2.1	1.000	2.7	0.999	2.6	1.000	53.1	79.5	1.000	152.3	0.995	218.6	1.000		
Home care - Practical help	1.6	1.9	1.000	2.2	0.710	2.1	0.869	25.2	29.3	1.000	36.8	0.999	46.4	0.994		

38 Table S4. Adjusted health care costs and home care costs one year prior to and one or three years following GLA:D® for knee and hip patients

	One-year horizon							Three-year horizon								
	Pre-period (1 year)		Post-period (mth 1-3)		Post-period (mth 4-12)		Post-period (year1)		Pre-period (1 year)		Post-period (year 1)		Post-period (year 2)		Post-period (year 3)	
	Cost (€/month)	Cost (€/month)	p-value	Cost (€/month)	p-value	Cost (€/month)	p-value	Cost (€/Year)	Cost (€/year)	p-value	Cost (€/year)	p-value	Cost (€/year)	p-value	Cost (€/year)	p-value
	Knee[‡]							Knee[§]								
Health costs (somatic)																
Inpatient Admissions total	70.2	61.6	0.097	159.9	0.000	135.2	0.000	935.1	1,657.4	0.000	2,105.4	0.000	1,671.9	0.000		
Thereof inpatient																
Surgery knee/hip	9.1	17.5	0.000	68.2	0.000	55.5	0.000	176.2	610.9	0.000	739.9	0.000	456.0	0.000		
Surgery other	8.9	3.9	0.002	10.1	0.340	8.5	0.767	112.1	152.2	0.318	153.9	0.294	211.4	0.052		
Outpatient Services total	105.7	86.7	0.000	103.0	0.328	98.9	0.006	1,415.7	1,307.8	0.273	1,337.8	0.486	1,352.6	0.515		
Thereof outpatient																
Surgery knee/hip	0.7	0.2	0.000	0.3	0.000	0.3	0.000	80.6	17.8	-	7.4	-	6.7	-		
Surgery other	1.7	1.5	0.692	1.4	0.370	1.5	0.376	25.4	18.8	0.453	28.8	0.736	38.0	0.291		
Primary health sector total	59.4	92.4	0.000	60.3	0.041	68.3	0.000	608.8	720.2	0.000	632.4	0.031	621.8	0.275		
Thereof primary																
Physiotherapy	6.5	42.5	0.000	9.5	0.000	17.7	0.000	70.0	190.5	0.000	71.8	0.584	64.3	0.103		
Chiropractic	0.5	0.5	0.144	0.5	0.004	0.5	0.003	5.7	6.3	0.221	5.6	0.870	5.1	0.264		
General practitioner	18.3	16.5	0.000	17.3	0.000	17.1	0.000	235.4	223.5	0.002	240.2	0.256	238.6	0.468		
Other primary	33.7	33.8	0.874	32.8	0.029	33.1	0.082	297.9	298.9	0.904	314.6	0.066	313.6	0.118		
Prescription medications total	29.5	30.4	0.008	30.6	0.000	30.6	0.000	363.0	396.8	0.000	415.2	0.000	419.3	0.000		
Thereof prescription																
Painkiller medications	3.5	3.8	0.000	3.9	0.000	3.9	0.000	43.2	47.9	0.001	49.8	0.001	49.2	0.004		
Not painkiller medications	25.8	26.3	0.061	26.5	0.003	26.4	0.003	318.8	348.1	0.000	364.3	0.000	368.6	0.000		
Health costs total (somatic)	263.3	263.7	0.952	354.0	0.000	331.3	0.000	3,391.7	4,146.2	0.000	4,518.3	0.000	4,127.5	0.000		
Home care																
Home care total	2.7	3.6	0.029	5.0	0.001	4.6	0.001	35.5	77.2	0.011	131.1	0.000	214.6	0.000		
Thereof home care																
Home care – Care	0.9	1.4	0.004	2.1	0.082	2.0	0.153	8.5	41.1	0.014	90.2	0.000	149.0	0.000		
Home care – Practical help	1.8	2.2	0.029	2.8	0.000	2.6	0.000	28.1	44.5	0.052	53.0	0.001	68.1	0.000		
	Hip[#]							Hip[§]								
Health costs (somatic)																
Inpatient Admissions total	71.7	111.3	0.000	243.2	0.000	208.9	0.000	978.4	2,818.4	0.000	2,461.1	0.000	1,966.0	0.006		
Thereof inpatient																
Surgery knee/hip	11.6	67.0	0.000	167.5	0.000	142.3	0.000	138.1	1,734.6	0.000	1,294.2	0.000	788.5	0.000		
Surgery other	6.9	1.3	0.001	11.8	0.086	9.2	0.353	89.2	145.3	0.342	129.6	0.465	139.2	0.370		
Outpatient Services total	77.1	68.9	0.006	91.2	0.000	85.4	0.012	1,174.6	1,270.1	0.401	1,441.3	0.074	1,513.5	0.038		
Thereof outpatient																
Surgery knee/hip*	0.0	0.0	0.238	0.2	0.000	0.1	0.000	-	-		-		-			
Surgery other	0.4	0.3	0.799	0.4	0.927	0.4	0.881	37.7	29.6	0.643	24.5	0.383	22.1	0.395		
Primary health sector total	58.7	96.3	0.000	62.4	0.000	70.9	0.000	584.9	719.9	0.000	625.2	0.021	608.4	0.231		
Thereof primary																
Physiotherapy	8.1	47.7	0.000	11.0	0.000	20.2	0.000	94.5	221.7	0.000	96.4	0.805	74.8	0.003		
Chiropractic	0.5	0.4	0.000	0.4	0.000	0.4	0.000	8.9	7.3	0.143	4.9	0.000	6.6	0.144		
General practitioner	17.3	16.3	0.000	17.2	0.346	16.9	0.019	214.1	212.0	0.728	228.4	0.020	224.9	0.120		
Other primary	32.4	33.9	0.120	34.0	0.038	33.9	0.029	269.0	283.3	0.386	294.0	0.098	300.4	0.056		
Prescription medications total	28.3	28.9	0.333	29.6	0.005	29.4	0.023	337.5	381.9	0.016	350.5	0.642	368.7	0.298		
Thereof prescription																
Painkiller medications	2.9	3.8	0.000	3.7	0.000	3.7	0.000	38.0	49.2	0.000	41.8	0.189	41.5	0.327		
Not painkiller medications	25.2	24.8	0.452	25.7	0.330	25.4	0.747	298.0	332.1	0.058	306.2	0.766	324.5	0.365		
Health costs total (somatic)	234.5	297.6	0.000	433.0	0.000	397.3	0.000	3,051.0	5,207.7	0.000	4,902.1	0.000	4,473.4	0.001		
Home care																
Home care total	1.1	1.7	0.255	1.9	0.009	1.9	0.009	82.4	111.4	0.012	214.5	0.000	406.0	0.041		
Thereof home care																
Home care – Care	0.3	0.3	0.881	0.4	0.195	0.4	0.264	55.1	79.1	0.099	173.3	0.062	356.3	0.064		

Home care - Practical help	1.1	1.4	0.067	1.7	0.010	1.7	0.008	28.7	33.1	0.001	46.1	0.000	61.0	0.012
39	*Adjusted health care costs and costs for home care in one-year horizon for women, 65 years, married/co-living, Danish ethnicity, low education and living in the Capital Region estimated using a generalized													
40	estimating equation gamma regression model for repeated measures including sex, age, marital status, ethnicity, education and region as covariates. Because of no convergence in the model marital status and													
41	ethnicity were omitted estimating costs for home care.													
42	‡Adjusted health care costs and costs for home care in three-year horizon for women, 65 years, married/co-living and low education estimated using a generalized estimating equation gamma regression model													
43	for repeated measures including sex, age and education. Because of no convergence in the model age and education were omitted estimating costs for home care.													
44	*Surgery is not predicted in a three-year horizon because of no convergence of the model.													

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46 **Table S5. Sensitivity analysis - adjusted estimated health care cost per QALY from baseline to 12**
 47 **months for knee and hip patients attending GLA:D® in private clinics, municipal clinics and patients**
 48 **with complete information**

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	Knee			Hip		
	Change in health care costs (€) (95 % CI)	Change in EQ-5D (QALY) (95 % CI)	Euro pr. QALY (95 % CI)	Change in health care costs (€) (95 % CI)	Change in EQ-5D (QALY) (95 % CI)	Euro pr. QALY (95 % CI)
Private clinic[§]	267 (181-385)	0.036 (0.033-0.038)	7,464 (5,485-10,132)	651 (398-1,050)	0.028 (0.024-0.033)	22,914 (16,583-31,818)
Municipal clinic[#]	396 (118-949)	0.032 (0.026-0.039)	12,292 (4,538-24,333)	443 (69-2,056)	0.028 (0.017-0.043)	15,550 (4,059-47,814)
Complete cases[¶]	167 (74-310)	0.035 (0.032-0.037)	4,829 (2,313-8,378)	579 (284-1,142)	0.027 (0.023-0.032)	21,067 (12,348-35,388)

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All analyses are adjusted for age, gender, marital status, ethnicity, educational level and region

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[§]Analysis restricted to patients attending GLA:D® in a private clinic

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[#]Analysis restricted to patients attending GLA:D® in a private clinic

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[¶]Analysis restricted to patients with complete information on EQ-5D