

## Supplementary Material

10.1302/2633-1462.51.BJO-2024-0162.R1

**Table i.** The proportion of the Dutch population aged  $\geq 40$  years with at least one joint replacement in 2022, stratified by joint, sex, and age.

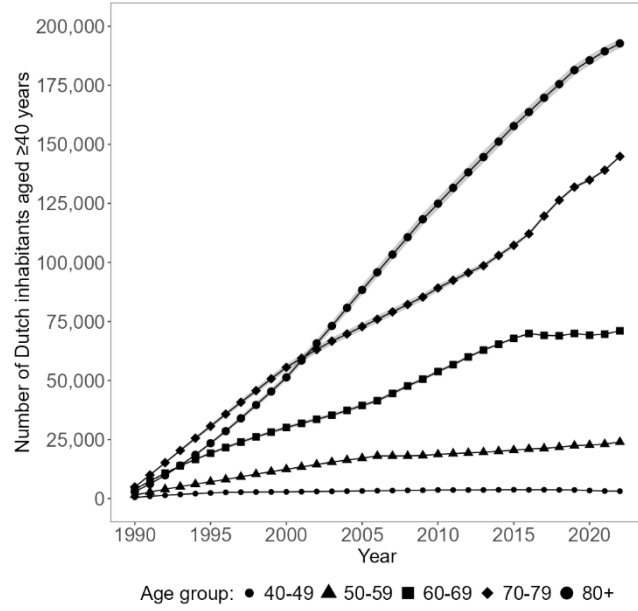
Sex/age group	Population aged $\geq 40$ years*	All joints				Hip			
		N*	95% CI	% of population	95% CI	N*	95% CI	% of population	95% CI
<b>Total</b>	<b>9,365,014</b>	<b>791,000</b>	<b>787,000 to 794,000</b>	<b>8.4</b>	<b>8.4 to 8.5</b>	<b>436,000</b>	<b>433,000 to 438,000</b>	<b>4.7</b>	<b>4.6 to 4.7</b>
40 to 49	2,132,501	4,700	4,700 to 4,700	0.2	0.2 to 0.2	3,100	3,100 to 3,100	0.1	0.1 to 0.1
50 to 59	2,548,563	47,000	47,000 to 47,000	1.8	1.8 to 1.8	24,000	24,000 to 24,000	0.9	0.9 to 0.9
60 to 69	2,175,813	146,000	146,000 to 146,000	6.7	6.7 to 6.7	71,000	71,000 to 71,000	3.3	3.3 to 3.3
70 to 79	1,655,030	273,000	272,000 to 274,000	17	16 to 17	145,000	144,000 to 145,000	8.8	8.7 to 8.8
$\geq 80$	853,107	321,000	318,000 to 323,000	38	37 to 38	193,000	191,000 to 195,000	23	22 to 23
<b>Female</b>	<b>4,808,539</b>	<b>514,000</b>	<b>512,000 to 517,000</b>	<b>11</b>	<b>11 to 11</b>	<b>290,000</b>	<b>288,000 to 292,000</b>	<b>6.0</b>	<b>6.0 to 6.1</b>
40 to 49	1,070,268	2,600	2,600 to 2,600	0.2	0.2 to 0.2	1,600	1,600 to 1,600	0.1	0.1 to 0.1
50 to 59	1,271,096	26,000	26,000 to 26,000	2.1	2.1 to 2.1	13,000	13,000 to 13,000	1.0	1.0 to 1.0

60 to 69	1,096,496		86,000	85,000 to 86,000	7.8	7.8 to 7.8		43,000	43,000 to 43,000	3.9	3.9 to 3.9
70 to 79	857,776		172,000	172,000 to 173,000	20	20 to 20		93,000	93,000 to 94,000	11	11 to 11
≥ 80	512,903		228,000	226,000 to 230,000	44	44 to 45		139,000	138,000 to 141,000	27	27 to 27
<b>Male</b>	<b>4,556,475</b>		<b>276,000</b>	<b>275,000 to 278,000</b>	<b>6.1</b>	<b>6.0 to 6.1</b>		<b>146,000</b>	<b>145,000 to 147,000</b>	<b>3.2</b>	<b>3.2 to 3.2</b>
40 to 49	1,062,233		2,100	2,100 to 2,100	0.2	0.2 to 0.2		1,500	1,500 to 1,500	0.1	0.1 to 0.1
50 to 59	1,277,467		20,000	20,000 to 20,000	1.6	1.6 to 1.6		11,000	11,000 to 11,000	0.9	0.9 to 0.9
60 to 69	1,079,317		60,000	60,000 to 60,000	5.6	5.6 to 5.6		28,000	28,000 to 28,000	2.6	2.6 to 2.6
70 to 79	797,254		100,000	100,000 to 101,000	13	13 to 13		51,000	51,000 to 52,000	6.4	6.4 to 6.5
≥ 80	340,204		93,000	92,000 to 94,000	27	27 to 28		54,000	53,000 to 54,000	16	16 to 16
			<b>Knee</b>				<b>Shoulder</b>				
<b>Total</b>	<b>9,365,014</b>		<b>383,000</b>	<b>380,000 to 386,000</b>	<b>4.1</b>	<b>4.1 to 4.1</b>		<b>34,000</b>	<b>33,000 to 36,000</b>	<b>0.4</b>	<b>0.3 to 0.4</b>
40 to 49	2,132,501		1,400	1,400 to 1,400	0.1	0.1 to 0.1		190	190 to 200	0.0	0.0 to 0.0
50 to 59	2,548,563		23,000	23,000 to 23,000	0.9	0.9 to 0.9		1,500	1,500 to 1,600	0.1	0.1 to 0.1
60 to 69	2,175,813		77,000	77,000 to 77,000	3.5	3.5 to 3.6		5,500	5,400 to 5,700	0.3	0.2 to 0.3
70 to 79	1,655,030		138,000	137,000 to 139,000	8.3	8.3 to 8.4		12,000	12,000 to 13,000	0.7	0.7 to 0.8
≥ 80	853,107		144,000	142,000 to 146,000	17	17 to 17		15,000	14,000 to 16,000	1.7	1.6 to 1.9
<b>Female</b>	<b>4,808,539</b>		<b>246,000</b>	<b>244,000 to 248,000</b>	<b>5.1</b>	<b>5.1 to 5.2</b>		<b>26,000</b>	<b>25,000 to 27,000</b>	<b>0.5</b>	<b>0.5 to 0.6</b>
40 to 49	1,070,268		920	920 to 920	0.1	0.1 to 0.1		90	90 to 90	0.0	0.0 to 0.0
50 to 59	1,271,096		14,000	14,000 to 14,000	1.1	1.1 to 1.1		880	880 to 950	0.1	0.1 to 0.1

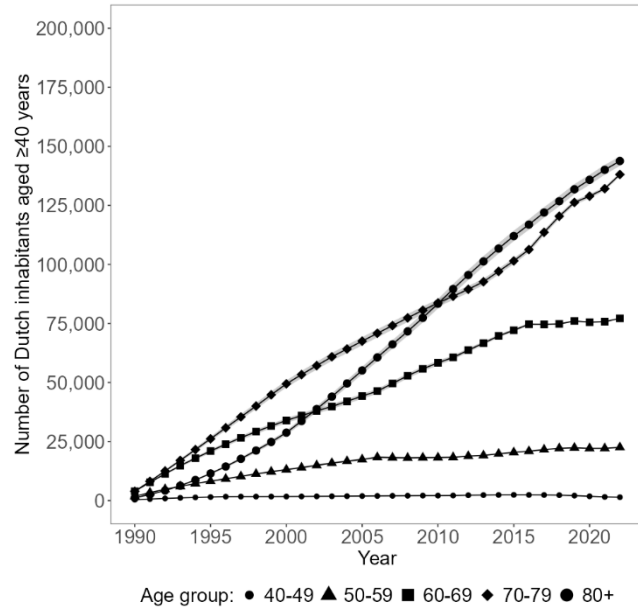
60 to 69	1,096,496		45,000	44,000 to 45,000	4.1	4.1 to 4.1	3,700	3,600 to 3,800	0.3	0.3 to 0.3
70 to 79	857,776		86,000	86,000 to 87,000	10	10 to 10	9,300	9,000 to 9,600	1.1	1.1 to 1.1
≥ 80	512,903		101,000	99,000 to 102,000	20	19 to 20	12,000	11,000 to 13,000	2.3	2.2 to 2.5
<b>Male</b>	<b>4,556,475</b>		<b>137,000</b>	<b>136,000 to 138,000</b>	<b>3.0</b>	<b>3.0 to 3.0</b>	<b>8,300</b>	<b>7,900 to 8,800</b>	<b>0.2</b>	<b>0.2 to 0.2</b>
40 to 49	1,062,233		500	500 to 500	0.0	0.0 to 0.0	110	110 to 110	0.0	0.0 to 0.0
50 to 59	1,277,467		9,000	9,000 to 9,000	0.7	0.7 to 0.7	650	650 to 680	0.1	0.1 to 0.1
60 to 69	1,079,317		33,000	33,000 to 33,000	3.0	3.0 to 3.0	1,800	1,800 to 1,900	0.2	0.2 to 0.2
70 to 79	797,254		52,000	52,000 to 52,000	6.5	6.5 to 6.6	3,100	3,000 to 3,200	0.4	0.4 to 0.4
≥ 80	340,204		43,000	42,000 to 44,000	13	12 to 13	2,600	2,400 to 2,900	0.8	0.7 to 0.8

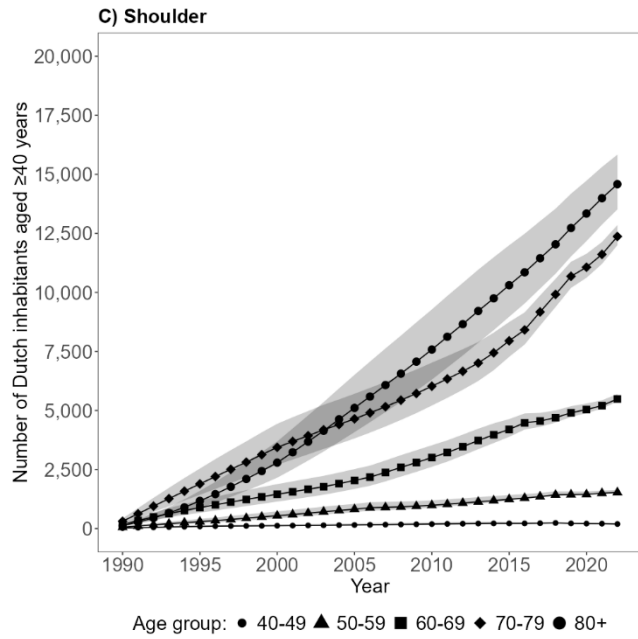
\*Numbers may not add up due to rounding.

**A) Hip**



**B) Knee**





**Fig a.** The number of Dutch inhabitants aged  $\geq 40$  years living with at least one joint replacement over time, stratified by a) hip, b) knee, and c) shoulder replacement, and age. The 95% CIs are small and therefore may not be visible.