

Implant Summary Report for:

Heraeus Medical

Hips using Palacos Antibiotic Cement

Comprising PRIMARY hips implanted up to:
NJR Database extract:

02 July 2025
01 August 2025

Produced on:
Licensed for use until:

10 August 2025
10 August 2026

Contents

Recorded Usage in NJR	2
Patient and Procedure Details	3
Revision and Survivorship	4
Patient Reported Outcome Measures	14
APPENDIX A – Component List	19

This report has been produced by the National Joint Registry (NJR). It summarises usage and outcomes associated with brand(s) Palacos Antibiotic up to the specified dates. Hemiarthroplasties and patients aged less than 18 have been excluded. This analysis is based on data collected by the NJR and PROMs data collected by the NHS for the components listed in Appendix A.

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NJR Recorded Usage

Implant Usage

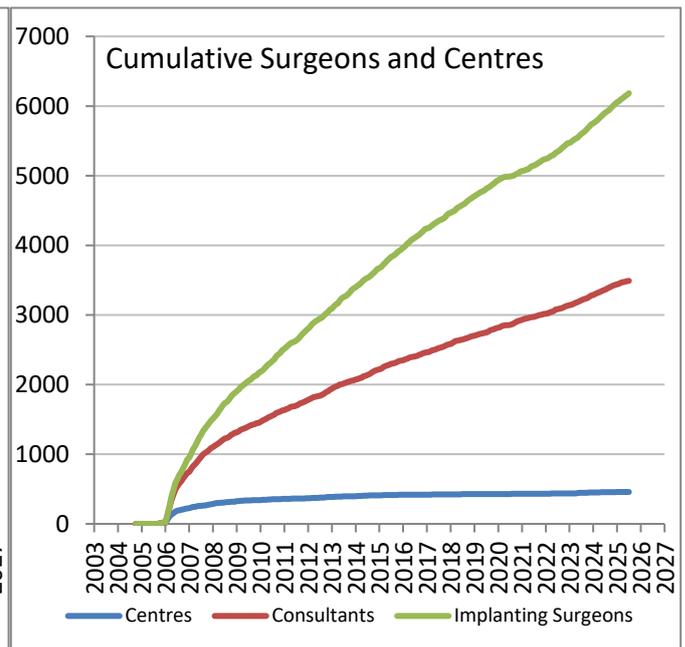
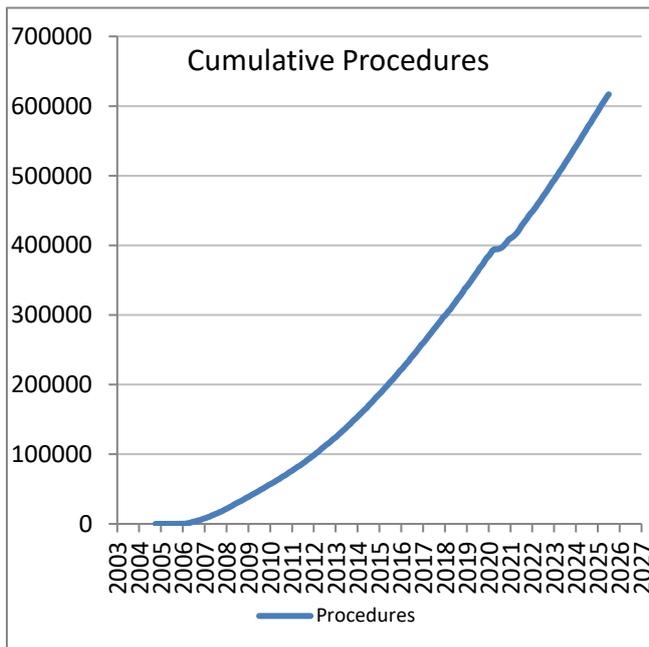
Date of first recorded usage in the NJR: **06 September 2005**

Date of last recorded usage in this dataset: **02 July 2025**

Maximum implantation time: 19.8 years

Mean implantation time: 6.4 years

Totals Recorded in NJR	Cumulative Total
Procedures	617,030
Patients	541,066
Centres	458
Consultants	3,490
Implanting Surgeons	6,188



Current Outcome	Year of implantation													Total	%
	Pre-2014	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
Death	74982	10645	9996	9197	7963	6796	5622	2337	2571	1881	1145	434	30	133599	21.7%
Revised	5570	793	822	798	761	695	653	347	471	439	396	348	95	12188	2.0%
Unrevised	73135	21242	24197	28273	30905	33988	37756	22556	35583	42833	46787	49550	24438	471243	76.4%
Total	2E+05	32680	35015	38268	39629	41479	44031	25240	38625	45153	48328	50332	24563	617030	100%

Patient / Procedure Details

Patient Details

	Hips using Palacos Antibiotic Cement	All other cement brands in NJR	All NJR hip replacement
Total Procedures	617,030	453,792	1,771,930
Total Patients	541,066	401,649	1,457,229
Demographics			
Mean age	71.7	70.6	68.7
< 50	3.2%	4.8%	6.0%
50 – 59	9.6%	11.3%	14.6%
60 – 69	25.2%	25.6%	29.3%
70 – 79	40.9%	38.6%	34.7%
≥ 80	21.1%	19.7%	15.4%
Median BMI	28	28	28
% BMI information available	73.1%	59.6%	67.5%
Underweight (BMI < 18.5)	1.0%	1.1%	0.9%
Normal (18.5 ≤ BMI < 25)	21.8%	22.6%	20.8%
Overweight (25 ≤ BMI < 30)	39.0%	39.5%	39.0%
Obese I (30 ≤ BMI < 35)	25.4%	24.6%	25.8%
Obese II (35 ≤ BMI < 40)	9.6%	9.2%	10.2%
Obese III (BMI ≥ 40)	3.2%	3.0%	3.3%
%Female	64.4%	62.0%	59.8%
%Male	35.6%	38.0%	40.2%
ASA Grades			
P1 - Fit and healthy	9.2%	14.4%	13.5%
P2 - Mild disease not incapacitating	68.1%	65.0%	67.9%
P3 - Incapacitating systemic disease	22.0%	19.9%	17.9%
P4 / P5	0.7%	0.8%	0.6%
Indications			
Osteoarthritis	89.89%	89.87%	91.24%
Inflammatory Arthropathy	1.42%	1.40%	1.29%
Avascular Necrosis	2.76%	2.66%	2.67%
Fractured Neck Of Femur	5.53%	4.91%	3.91%
CDH DDH	1.14%	1.30%	1.63%
Other	2.28%	2.94%	2.35%

Total of indications may exceed total number of implants, since more than one indication can be listed per case.

Revision and Survivorship

Reasons for Revision - all bearing types

Reasons for revision of primary procedures in which the implant was used.

Reason for Revision	Revised [†]	Expected Revisions [*]	Revision Rate Ratio (80% Cred. Int.)	Probability RRR < 1
Unexplained Pain	657	758.45	0.77 - 0.87	> 0.999
Dislocation / Subluxation	2979	3005.82	0.95 - 1.02	0.76
Adverse Soft Tissue Reaction	443	581.16	0.66 - 0.75	> 0.999
Infection	2825	2905.17	0.91 - 0.98	0.99
Aseptic Loosening - Stem	992	1117.72	0.79 - 0.88	> 0.999
Aseptic Loosening - Socket	1955	1990.63	0.94 - 1.01	0.85
Periprosthetic Fracture Stem	2312	2415.74	0.88 - 0.95	0.999
Periprosthetic Fracture Socket	294	311.89	0.80 - 0.98	0.93
Malalignment Stem	261	283.92	0.77 - 0.95	0.97
Malalignment Socket	528	508.54	0.99 - 1.16	0.12
Leg length discrepancy	36	45.71	0.46 - 0.82	0.98
Wear Of Acetabular Component	519	490.57	1.02 - 1.17	0.06
Lysis Stem	311	320.16	0.88 - 1.04	0.74
Lysis Socket	485	459.22	1.01 - 1.17	0.07
Implant Fracture Stem	199	193.91	0.93 - 1.18	0.32
Implant Fracture Ceramic Head	39	41.23	0.68 - 1.19	0.69
Implant Fracture Ceramic Liner	18	15.84	0.82 - 1.79	0.26
Implant Fracture Poly Liner	29	24.41	1.02 - 2.19	0.09
Dissociation of Liner	152	136.31	1.08 - 1.47	0.03
Other / Not recorded	464	489.32	0.85 - 0.99	0.93
Total Revised	12188	12716.01	0.91 - 0.94	> 0.999

† multiple reasons may be listed for one revision procedure

* Based on All NJR Hips with Cement, adjusted for Age group, Sex, Implantation year and Indications

LCI > 100% higher than expected 
 LCI > 50% higher than expected 
 LCI > 20% higher than expected 

UCI < 1/2 expected 
 UCI < 2/3 expected 
 UCI < 5/6 expected 

Components Revised	Hips using Palacos Antibiotic Cement		All other cement brands in NJR
Femoral only	2930	24.0%	18.4%
Acetabular only	2512	20.6%	18.8%
Both femoral and acetabular	5078	41.7%	56.7%
Isolated modular liner exchange	37	0.3%	0.1%
Isolated modular head exchange	623	5.1%	2.6%
Head and liner exchange only	853	7.0%	2.7%
No components recorded	155	1.3%	0.6%

Revision and Survivorship

Reasons for Revision - excluding Metal on Metal

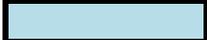
Reasons for revision of primary procedures in which the implant was used.

Reason for Revision	Revised [†]	Expected Revisions [*]	Revision Rate Ratio (80% Cred. Int.)	Probability RRR < 1
Unexplained Pain	515	522.53	0.91 - 1.05	0.67
Dislocation / Subluxation	2960	3015.81	0.93 - 0.99	0.93
Adverse Soft Tissue Reaction	169	159.59	0.97 - 1.27	0.16
Infection	2789	2903.56	0.88 - 0.95	> 0.999
Aseptic Loosening - Stem	915	1039.66	0.77 - 0.86	> 0.999
Aseptic Loosening - Socket	1901	1955.05	0.92 - 0.99	0.95
Periprosthetic Fracture Stem	2234	2306.33	0.90 - 0.97	0.99
Periprosthetic Fracture Socket	289	300.23	0.82 - 1.03	0.83
Malalignment Stem	252	270.42	0.77 - 0.97	0.95
Malalignment Socket	497	478.32	1.00 - 1.18	0.11
Leg length discrepancy	36	46.11	0.45 - 0.80	0.99
Wear Of Acetabular Component	511	496.43	0.97 - 1.13	0.21
Lysis Stem	274	275.09	0.90 - 1.09	0.54
Lysis Socket	444	417.59	1.02 - 1.20	0.05
Implant Fracture Stem	195	203.35	0.82 - 1.05	0.79
Implant Fracture Ceramic Head	39	41.23	0.67 - 1.19	0.69
Implant Fracture Ceramic Liner	18	15.84	0.82 - 1.80	0.26
Implant Fracture Poly Liner	29	24.81	0.99 - 2.12	0.11
Dissociation of Liner	150	132.30	1.13 - 1.58	0.01
Other / Not recorded	393	390.47	0.92 - 1.12	0.42
Total Revised	11517	11887.29	0.92 - 0.95	> 0.999

[†] multiple reasons may be listed for one revision procedure

^{*} Based on All NJR Hips with Cement, adjusted for Age group, Sex, Implantation year and Indications

LCI > 100% higher than expected 
 LCI > 50% higher than expected 
 LCI > 20% higher than expected 

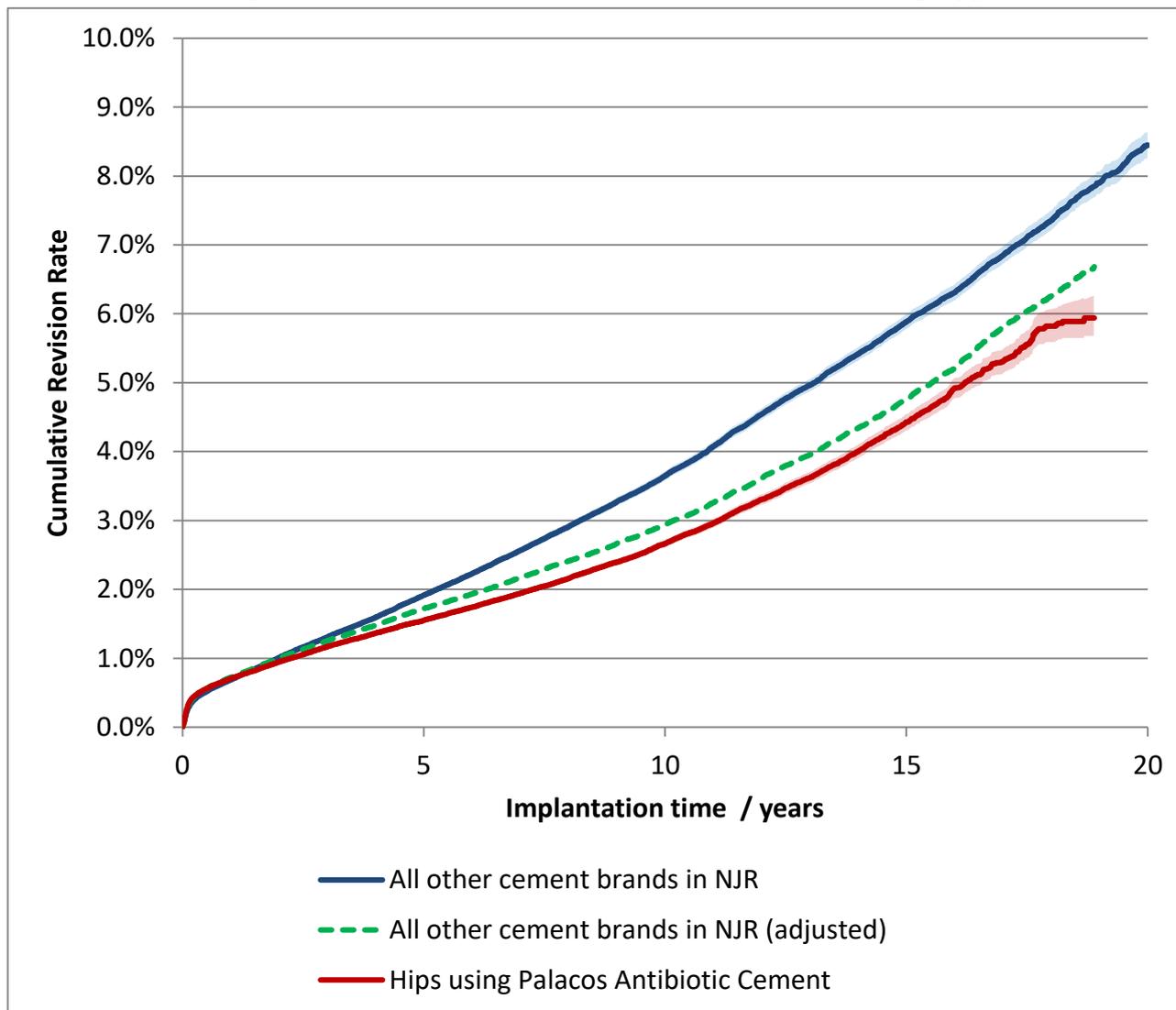
UCI < 1/2 expected 
 UCI < 2/3 expected 
 UCI < 5/6 expected 

Components Revised	Hips using Palacos Antibiotic Cement (excluding MoM)		All other cement brands in NJR (excluding MoM)
Femoral only	2874	25.0%	21.3%
Acetabular only	2450	21.3%	24.3%
Both femoral and acetabular	4537	39.4%	46.2%
Isolated modular liner exchange	37	0.3%	0.1%
Isolated modular head exchange	617	5.4%	3.5%
Head and liner exchange only	850	7.4%	3.6%
No components recorded	152	1.3%	0.9%

Revision and Survivorship

Cumulative Revision Rate

Endpoint: All reasons for revision. All Bearing types



Cox Proportional Hazards model for revision risk ratio of Hips using Palacos Antibiotic Cement / All other cement brands in NJR, with endpoint as any revision.

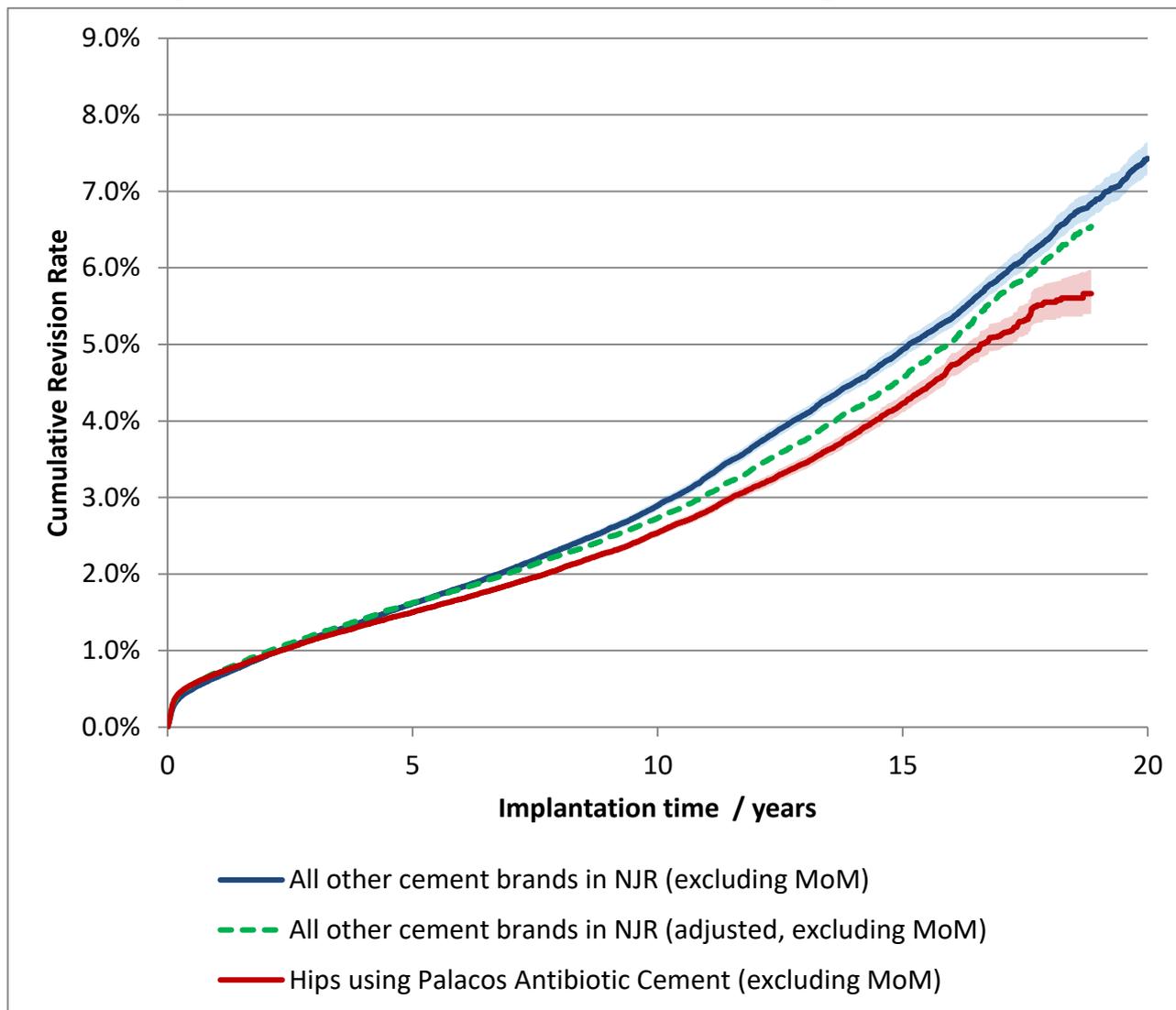
Adjustment	Hazard Ratio (95% CI)	p-value
All bearings. Unadjusted.	0.77 ‡ (0.75 - 0.79)	< 0.001
All bearings. Adjusted for age, sex, ASA, BMI, Op.date and indications.	0.90 ‡ (0.88 - 0.93)	< 0.001

‡ Hazard ratio varies with time

Revision and Survivorship

Cumulative Revision Rate

Endpoint: All reasons for revision. Excluding Metal-on-Metal



Cox Proportional Hazards model for revision risk ratio of Hips using Palacos Antibiotic Cement (excluding MoM) / All other cement brands in NJR (excluding MoM), with endpoint as any revision.

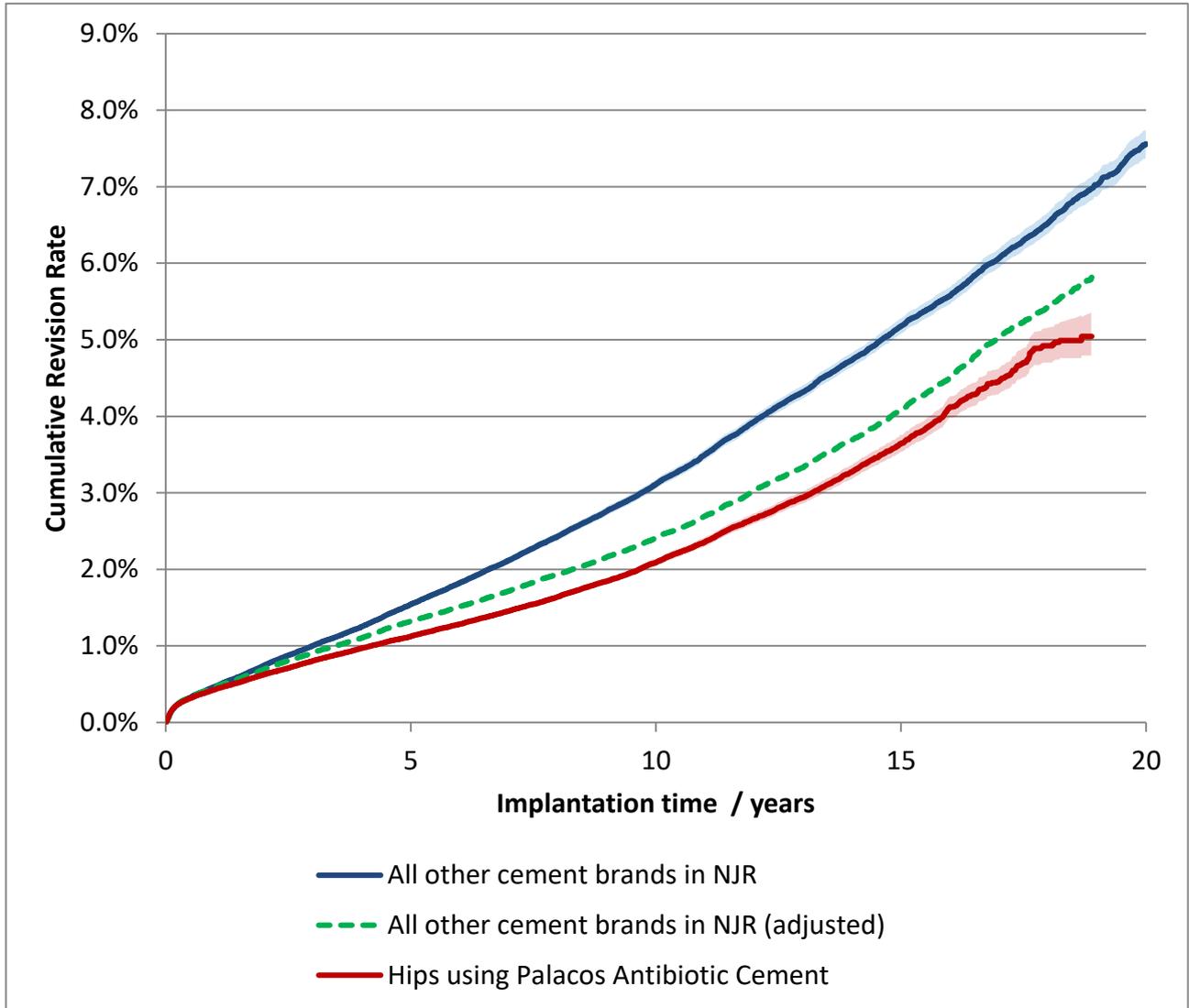
Adjustment	Hazard Ratio (95% CI)	p-value
All bearings. Unadjusted.	0.89 ‡ (0.87 - 0.92)	< 0.001
Excluding MoM. Adjusted for age, sex, ASA, BMI, Op.date and indications.	0.93 ‡ (0.90 - 0.95)	< 0.001

‡ Hazard ratio varies with time

Revision and Survivorship

Cumulative Revision Rate

Endpoint: Cemented Component Revision. All Bearing types



Cox Proportional Hazards model for revision risk ratio of Hips using Palacos Antibiotic Cement / All other cement brands in NJR, with endpoint as Cemented Component revision.

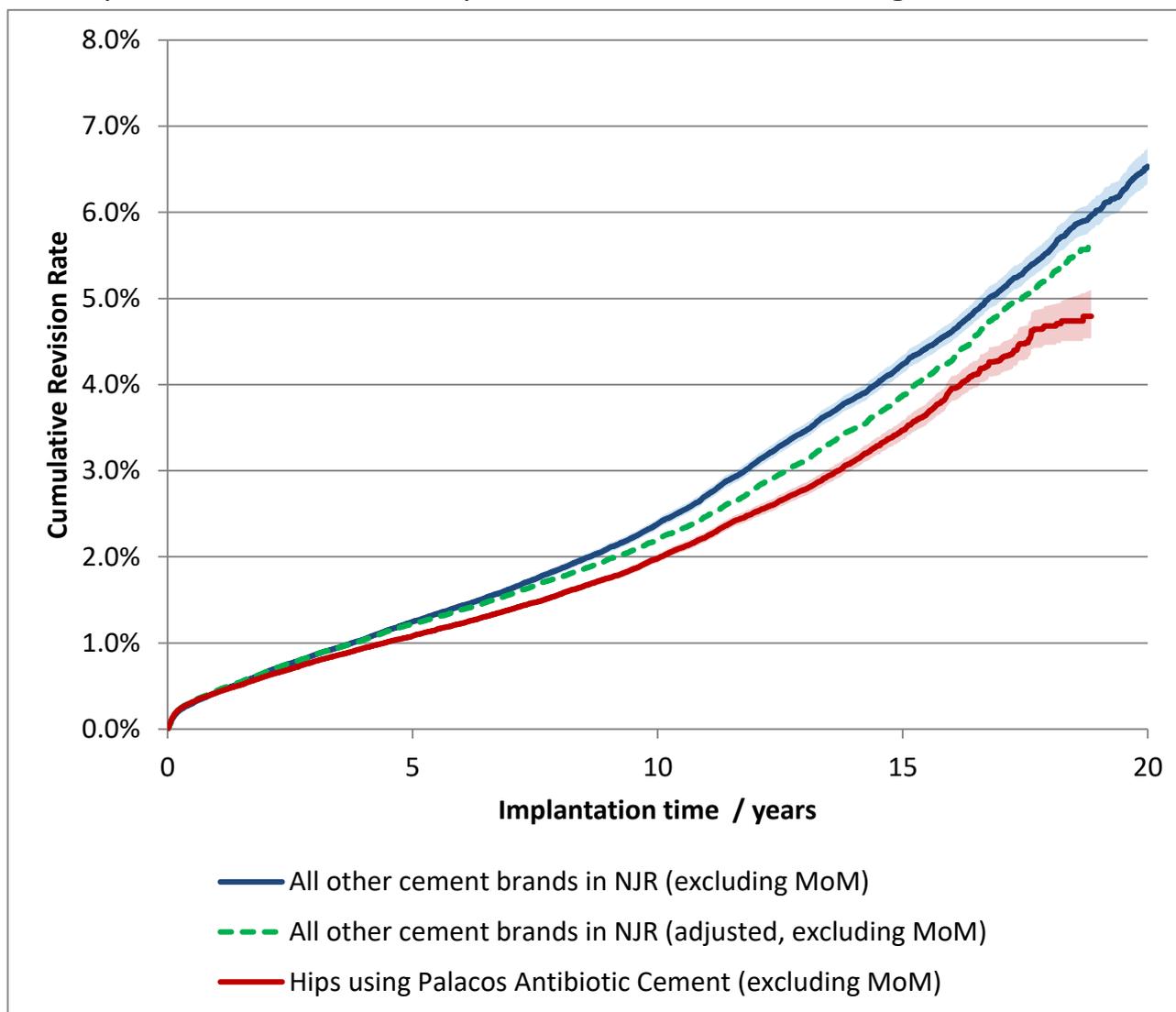
Adjustment	Hazard Ratio (95% CI)	p-value
All bearings. Unadjusted.	0.71 ‡ (0.69 - 0.73)	< 0.001
All bearings. Adjusted for age, sex, ASA, BMI, Op.date and indications.	0.87 ‡ (0.84 - 0.89)	< 0.001

‡ Hazard ratio varies with time

Revision and Survivorship

Cumulative Revision Rate

Endpoint: Cemented Component Revision. Excluding Metal-on-Metal



Cox Proportional Hazards model for revision risk ratio of Hips using Palacos Antibiotic Cement (excluding MoM) / All other cement brands in NJR (excluding MoM), with endpoint as Cemented Component revision.

Adjustment	Hazard Ratio (95% CI)	p-value
All bearings. Unadjusted.	0.84 ‡ (0.82 - 0.87)	< 0.001
Excluding MoM. Adjusted for age, sex, ASA, BMI, Op.date and indications.	0.90 ‡ (0.87 - 0.93)	< 0.001

‡ Hazard ratio varies with time

Revision and Survivorship

Cumulative Revision Rate

All revisions, all Bearing types

Period /years	At Risk	Hips using Palacos Antibiotic Cement	All other cement brands in NJR
0	617,030	0.00% (0.00% - 0.00%)	0.00% (0.00% - 0.00%)
1	554,746	0.71% (0.68% - 0.73%)	0.69% (0.66% - 0.71%)
2	495,403	0.95% (0.92% - 0.97%)	1.01% (0.98% - 1.04%)
3	438,708	1.17% (1.14% - 1.20%)	1.31% (1.27% - 1.34%)
4	386,036	1.36% (1.33% - 1.40%)	1.59% (1.55% - 1.63%)
5	344,207	1.55% (1.52% - 1.58%)	1.92% (1.87% - 1.96%)
6	303,487	1.74% (1.70% - 1.78%)	2.23% (2.18% - 2.28%)
7	254,637	1.94% (1.90% - 1.98%)	2.57% (2.51% - 2.62%)
8	211,803	2.16% (2.11% - 2.20%)	2.91% (2.85% - 2.97%)
9	171,581	2.39% (2.35% - 2.44%)	3.27% (3.21% - 3.33%)
10	136,279	2.66% (2.61% - 2.72%)	3.65% (3.58% - 3.72%)
11	105,794	2.96% (2.89% - 3.02%)	4.07% (4.00% - 4.15%)
12	79,962	3.31% (3.23% - 3.38%)	4.54% (4.46% - 4.62%)
13	59,125	3.62% (3.54% - 3.70%)	4.97% (4.88% - 5.05%)
14	42,236	4.00% (3.90% - 4.10%)	5.41% (5.32% - 5.51%)
15	29,483	4.42% (4.31% - 4.54%)	5.88% (5.78% - 5.99%)
16	19,341	4.92% (4.78% - 5.07%)	6.31% (6.19% - 6.42%)
17	11,117	5.31% (5.13% - 5.48%)	6.85% (6.72% - 6.98%)
18	4,713	5.82% (5.59% - 6.07%)	7.35% (7.21% - 7.50%)
19			7.90% (7.74% - 8.07%)
20			8.45% (8.26% - 8.64%)

Cumulative revision rate with 95% confidence intervals
Rate is only reported for times where 40 or more remain at risk

Revision and Survivorship

Cumulative Revision Rate

All revisions, Excluding Metal on Metal Bearings

Period /years	At Risk	Hips using Palacos Antibiotic Cement	All other cement brands in NJR (excluding MoM)
0	611,478	0.00% (0.00% - 0.00%)	0.00% (0.00% - 0.00%)
1	549,473	0.70% (0.68% - 0.72%)	0.65% (0.63% - 0.68%)
2	490,351	0.94% (0.91% - 0.96%)	0.93% (0.90% - 0.96%)
3	433,863	1.15% (1.12% - 1.18%)	1.17% (1.13% - 1.20%)
4	381,368	1.33% (1.30% - 1.36%)	1.38% (1.34% - 1.42%)
5	339,694	1.50% (1.47% - 1.54%)	1.62% (1.57% - 1.66%)
6	299,153	1.68% (1.64% - 1.71%)	1.83% (1.78% - 1.87%)
7	250,455	1.86% (1.82% - 1.90%)	2.06% (2.01% - 2.11%)
8	207,769	2.06% (2.02% - 2.11%)	2.32% (2.27% - 2.37%)
9	167,725	2.28% (2.24% - 2.33%)	2.59% (2.53% - 2.65%)
10	132,609	2.54% (2.48% - 2.59%)	2.89% (2.83% - 2.96%)
11	102,298	2.82% (2.75% - 2.88%)	3.27% (3.20% - 3.34%)
12	76,639	3.15% (3.08% - 3.22%)	3.69% (3.61% - 3.77%)
13	55,995	3.45% (3.36% - 3.53%)	4.08% (4.00% - 4.17%)
14	39,388	3.82% (3.72% - 3.92%)	4.50% (4.40% - 4.60%)
15	27,000	4.23% (4.11% - 4.35%)	4.93% (4.82% - 5.04%)
16	17,323	4.74% (4.59% - 4.89%)	5.34% (5.22% - 5.46%)
17	9,808	5.12% (4.94% - 5.30%)	5.89% (5.75% - 6.02%)
18	4,234	5.55% (5.32% - 5.80%)	6.39% (6.23% - 6.55%)
19			6.90% (6.72% - 7.08%)
20			7.43% (7.22% - 7.65%)

Cumulative revision rate with 95% confidence intervals
 Rate is only reported for times where 40 or more remain at risk

Revision and Survivorship

Cumulative Revision Rate

Endpoint: Cemented Component Revision, all Bearing types

Period /years	At Risk	Hips using Palacos Antibiotic Cement	All other cement brands in NJR
0	617,030	0.00% (0.00% - 0.00%)	0.00% (0.00% - 0.00%)
1	554,746	0.43% (0.41% - 0.45%)	0.47% (0.45% - 0.49%)
2	495,403	0.63% (0.61% - 0.65%)	0.74% (0.72% - 0.77%)
3	438,708	0.81% (0.78% - 0.83%)	1.00% (0.97% - 1.03%)
4	386,036	0.97% (0.94% - 1.00%)	1.25% (1.22% - 1.29%)
5	344,207	1.13% (1.10% - 1.15%)	1.54% (1.51% - 1.58%)
6	303,487	1.28% (1.25% - 1.32%)	1.82% (1.78% - 1.87%)
7	254,637	1.46% (1.42% - 1.49%)	2.12% (2.07% - 2.17%)
8	211,803	1.64% (1.60% - 1.68%)	2.43% (2.38% - 2.48%)
9	171,581	1.85% (1.80% - 1.89%)	2.76% (2.71% - 2.82%)
10	136,279	2.09% (2.04% - 2.14%)	3.11% (3.05% - 3.18%)
11	105,794	2.36% (2.30% - 2.42%)	3.50% (3.43% - 3.57%)
12	79,962	2.67% (2.60% - 2.73%)	3.93% (3.85% - 4.01%)
13	59,125	2.94% (2.86% - 3.02%)	4.32% (4.23% - 4.40%)
14	42,236	3.27% (3.18% - 3.37%)	4.73% (4.64% - 4.83%)
15	29,483	3.64% (3.53% - 3.75%)	5.17% (5.07% - 5.28%)
16	19,341	4.12% (3.98% - 4.26%)	5.57% (5.46% - 5.68%)
17	11,117	4.46% (4.29% - 4.62%)	6.07% (5.94% - 6.19%)
18	4,713	4.92% (4.70% - 5.16%)	6.52% (6.39% - 6.66%)
19			7.03% (6.87% - 7.18%)
20			7.56% (7.37% - 7.74%)

Cumulative revision rate with 95% confidence intervals
 Rate is only reported for times where 40 or more remain at risk

Revision and Survivorship

Cumulative Revision Rate

Endpoint: Cemented Component Revision, excluding Metal on Metal bearings

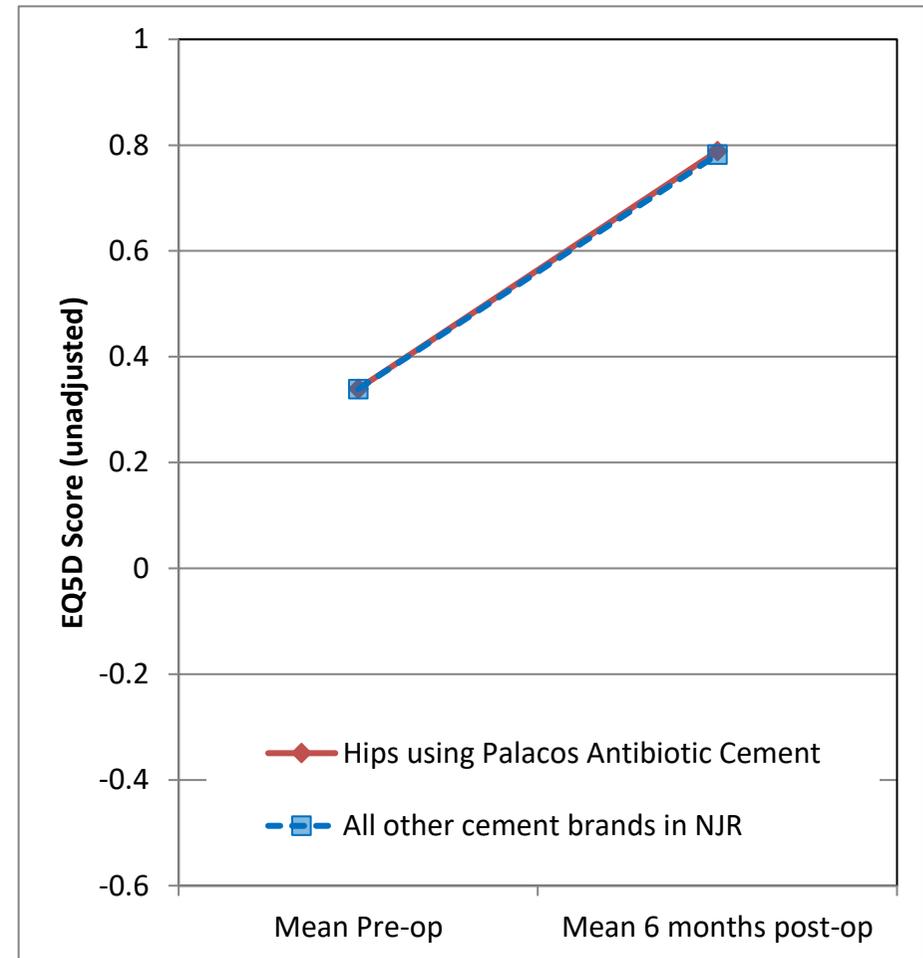
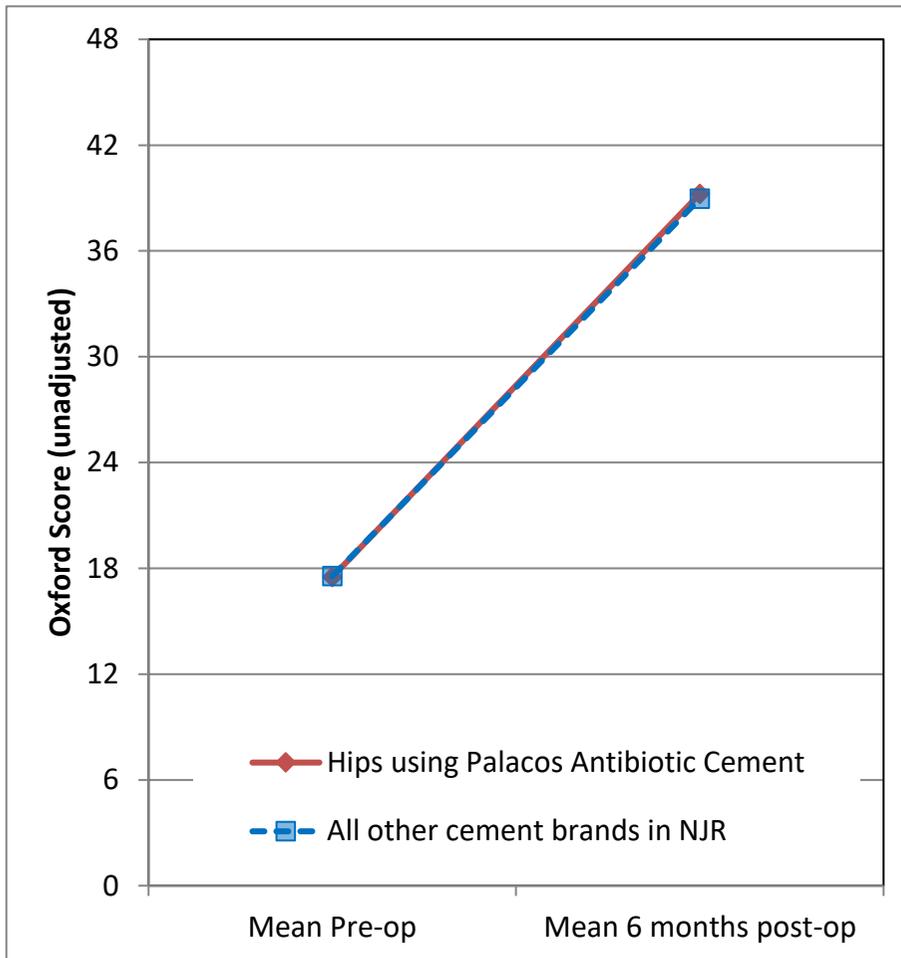
Period /years	At Risk	Hips using Palacos Antibiotic Cement	All other cement brands in NJR (excluding MoM)
0	611,478	0.00% (0.00% - 0.00%)	0.00% (0.00% - 0.00%)
1	549,473	0.42% (0.41% - 0.44%)	0.43% (0.41% - 0.45%)
2	490,351	0.61% (0.59% - 0.63%)	0.66% (0.63% - 0.68%)
3	433,863	0.79% (0.76% - 0.81%)	0.86% (0.83% - 0.89%)
4	381,368	0.94% (0.91% - 0.97%)	1.04% (1.01% - 1.07%)
5	339,694	1.08% (1.05% - 1.11%)	1.25% (1.21% - 1.28%)
6	299,153	1.23% (1.20% - 1.26%)	1.43% (1.39% - 1.47%)
7	250,455	1.39% (1.35% - 1.42%)	1.63% (1.59% - 1.67%)
8	207,769	1.56% (1.53% - 1.60%)	1.86% (1.81% - 1.91%)
9	167,725	1.75% (1.71% - 1.80%)	2.10% (2.05% - 2.15%)
10	132,609	1.98% (1.93% - 2.03%)	2.38% (2.32% - 2.44%)
11	102,298	2.23% (2.18% - 2.29%)	2.71% (2.65% - 2.78%)
12	76,639	2.53% (2.46% - 2.59%)	3.09% (3.02% - 3.17%)
13	55,995	2.78% (2.70% - 2.86%)	3.46% (3.38% - 3.54%)
14	39,388	3.11% (3.02% - 3.20%)	3.83% (3.74% - 3.93%)
15	27,000	3.47% (3.36% - 3.58%)	4.23% (4.13% - 4.34%)
16	17,323	3.96% (3.81% - 4.10%)	4.61% (4.50% - 4.73%)
17	9,808	4.29% (4.12% - 4.46%)	5.10% (4.97% - 5.23%)
18	4,234	4.68% (4.46% - 4.92%)	5.55% (5.40% - 5.70%)
19			6.02% (5.85% - 6.20%)
20			6.53% (6.33% - 6.74%)

Cumulative revision rate with 95% confidence intervals
 Rate is only reported for times where 40 or more remain at risk

Patient Reported Outcomes

Comprising PROMs data up to and including: 31/03/2022

PROMs Analysis



Patient Reported Outcomes

PROMs Analysis

Comprising PROMs data up to and including: 31/03/2022

Oxford Hip Score (0 - 48)	Hips using Palacos Antibiotic Cement	All other cement brands in NJR	All THR in NJR
Paired Records	132,398	87,029	367,464
PreOp score	17.5 (17.5 - 17.6)	17.6 (17.5 - 17.6)	17.9 (17.9 - 17.9)
6 month score	39.2 (39.2 - 39.3)	39.0 (38.9 - 39.0)	39.6 (39.5 - 39.6)
6 month score (adjusted)	39.5 (39.5 - 39.6)	39.4 (39.3 - 39.4)	39.6 (39.5 - 39.6)
Health gain	21.7 (21.7 - 21.8)	21.4 (21.4 - 21.5)	21.7 (21.6 - 21.7)
Health gain (adjusted)	21.6 (21.6 - 21.7)	21.5 (21.4 - 21.5)	21.7 (21.6 - 21.7)
p value (adjusted health gain)	<0.001		
Score Improved	97.4%	97.2%	97.3%

EQ-5D Index (-0.59 - 1.00)	Hips using Palacos Antibiotic Cement	All other cement brands in NJR	All THR in NJR
Paired Records	121,681	80,003	338,943
PreOp score	0.339 (0.338 - 0.341)	0.339 (0.337 - 0.341)	0.352 (0.351 - 0.354)
6 month score	0.788 (0.787 - 0.790)	0.782 (0.780 - 0.784)	0.795 (0.794 - 0.796)
6 month score (adjusted)	0.793 (0.792 - 0.794)	0.790 (0.789 - 0.792)	0.795 (0.794 - 0.796)
Health gain	0.449 (0.448 - 0.450)	0.443 (0.442 - 0.445)	0.442 (0.442 - 0.443)
Health gain (adjusted)	0.440 (0.438 - 0.442)	0.438 (0.435 - 0.440)	0.442 (0.441 - 0.444)
p value (adjusted health gain)	0.17		
Score Improved	89.8%	89.5%	89.7%

EQ-VAS (0 - 100)	Hips using Palacos Antibiotic Cement	All other cement brands in NJR	All THR in NJR
Paired Records	116,437	76,963	325,884
PreOp score	64.2 (64.1 - 64.3)	64.3 (64.1 - 64.4)	64.6 (64.5 - 64.7)
6 month score	76.5 (76.4 - 76.6)	76.0 (75.9 - 76.1)	77.0 (76.9 - 77.1)
6 month score (adjusted)	76.9 (76.8 - 77.0)	76.7 (76.6 - 76.8)	77.0 (76.9 - 77.1)
Health gain	12.3 (12.2 - 12.4)	11.7 (11.6 - 11.8)	12.4 (12.3 - 12.5)
Health gain (adjusted)	12.3 (12.2 - 12.5)	12.1 (11.9 - 12.2)	12.4 (12.3 - 12.5)
p value (adjusted health gain)	0.0019		
Score Improved	66.3%	65.3%	66.7%

Adjusted scores correspond to the NHS England version 3 casemix-adjustment model. This includes patient variables from PROMs, HES, and IMD data.

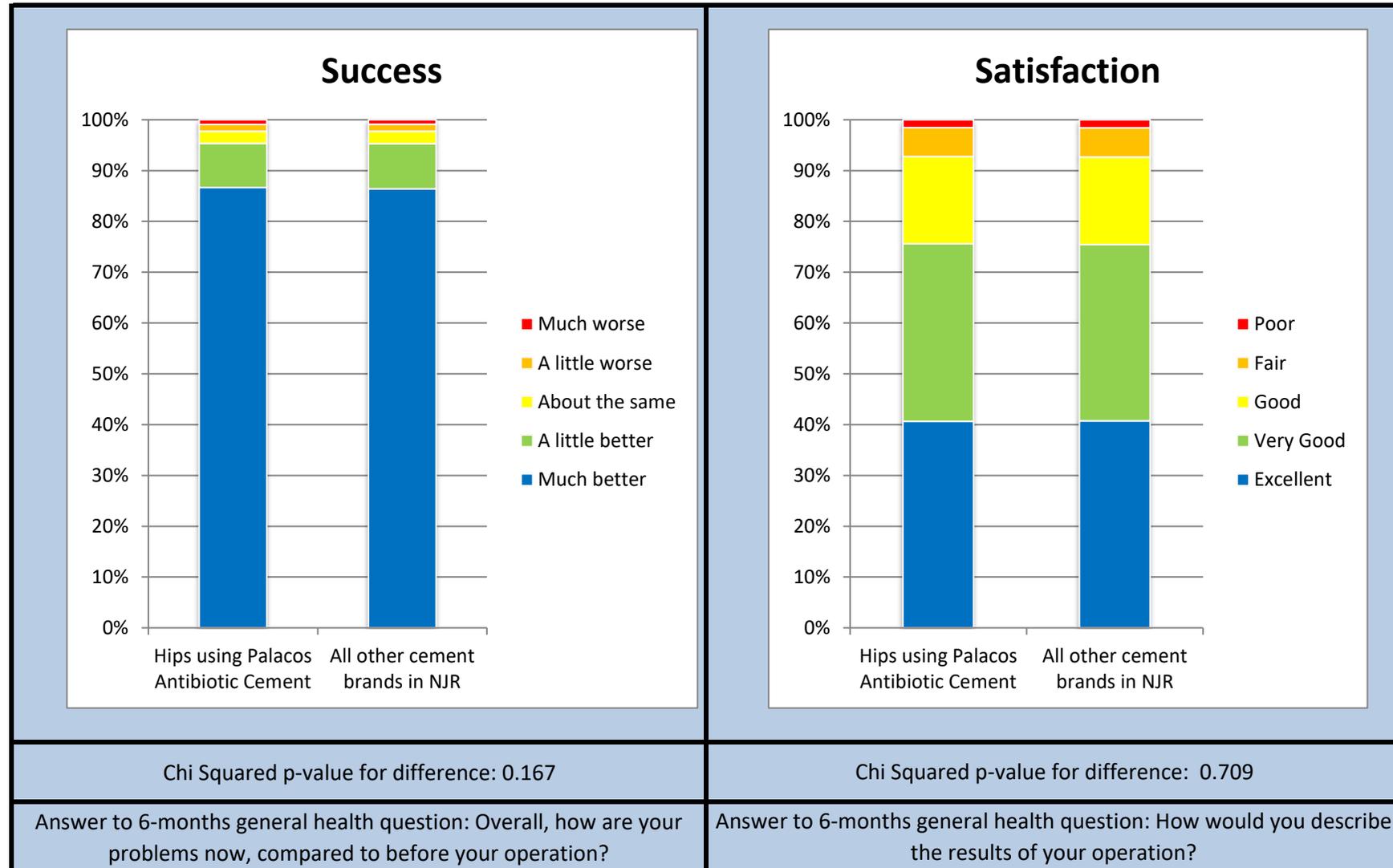
Figures in parentheses represent the 95% confidence interval for the mean

Summary Report for:

Hips using Palacos Antibiotic Cement

Responses are not case mix adjusted

Patient Reported Outcomes



Patient Reported Outcomes

Success

Response	Hips using Palacos Antibiotic Cement	All other cement brands in NJR
Much better	117099	76892
A little better	11751	7907
About the same	3180	2191
A little worse	1824	1208
Much worse	1236	774

Answer to 6-months general health question:

"Overall, how are your problems now, compared to before your operation?"

Satisfaction

Response	Hips using Palacos Antibiotic Cement	All other cement brands in NJR
Excellent	54866	36210
Very Good	47139	30808
Good	23132	15261
Fair	7668	5114
Poor	2107	1420

Answer to 6-months general health question:

"How would you describe the results of your operation?"

Disclaimer

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Appendix A: Component List

Catalogue Number	Description	Number Implanted
Cement		
5081280	PALACOS® R+G PRO 80 CE EUR	17
66017569	PALACOS R +G 2x40 g	545077
66017771	PALACOS R +G 1x40 g	3854
66017772	PALACOS R +G 1x60 g	8290
66017773	PALACOS R +G 2x20 g	5432
66017776	PALACOS R +G 2x10 g	7
66017787	PALACOS LV +G 1x40 g	5256
66031993	PALACOS MV+G 1x40g	252
66031995	PALACOS MV+G 2x40 g	2993
66031996	PALACOS MV+G 1x20g	3
66031998	PALACOS MV+G 2x20 g	10
66032000	PALACOS MV+G 1x60 g	1
66037894	PALACOS LV+G 1x20g	1
66044273	PALACOS R+G Pro 55 cement	184
66044274	PALACOS R+G Pro 75 cement	881
Multiple Found	Multiple Found	44772