

Summary of Arthroplasty Registry Reports of Revision Risk for Knees (SAR⁴-Knees)

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Introduction

This document summarizes implant revision risk from national and regional registry reports. The purpose of this document is to provide revision risk data for surgeons and patients to use when selecting knee replacement implants. It is not intended to be an endorsement of any specific manufacturer or implant. The registry reports included in this survey are:

1. Australian Orthopaedics Association National Joint Replacement Registry.
2. National Joint Registry of England, Wales, Northern Ireland, and the Isle of Man (NJR).
3. Register of the Orthopaedic Implants (Italy).
4. Finnish Arthroplasty Register (accessed online 03/10/2017).
5. Danish Knee Arthroplasty Registry.

The TKA tables are grouped into cemented, uncemented, hybrid, and unreported fixation categories. *Each table is sorted by increasing revision risk at the longest time point (5 or 10 years depending on the table).* Ten years was chosen as a benchmark to report because that is what is used by the National Institute for Health Care and Excellence in the United Kingdom. Multiple reports of the same devices and reports of device variations are grouped together. Implant combinations that have been moved up in tables are indicated using *italic* implant names. Registry reports do not provide information on constraint in a consistent fashion, and not all include it explicitly as a separate field. Therefore, this report uses "Uncon" if the registry uses the term unconstrained, and "Unspecified" if it is simply not specified. Finally, only reports of revision risk based on 500 or more implants are included because of concerns about reliability of risk estimates.

The number of cases and the cumulative percent revision (CPR) are provided for each implant combination. In each cell presenting CPR data, the upper number is the point estimate. For example, the 10-year cell in the first row of Table 1 indicates that 2.38% of the 172,131 cases having this implant combination were revised according to the NJR registry. This is the *point estimate* of the CPR at 10 years. The numbers in parentheses give the 95% confidence interval. Thus, (2.27%, 2.50%) means the lower and upper limits on the confidence interval are 2.27% and 2.50%, respectively. Some registry reports present the Kaplan-Meier survivorship function expressed as a percentage, $S(t)$. For these reports we converted $S(t)$ to CPR by computing $100 - S(t)$. For explanations of CPR and confidence intervals, see the statistics tutorials in the December and Summer 2014 issues of *MARCQI News*.

This report only contains data up to 10 years. However, some registry reports provide data beyond this. The Australian report gives CPR data to 15 years and the Finnish report provides 15, 20, and 25 year data. The data are available in Excel spreadsheet form on the MARCQI website (www.MARCQI.org). It is located in the password protected section under /Participants/Committees/Device.

Table 1 (page 1 of 4). TKA *cemented* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Uncon	172131	1.25 (1.19,1.31)	1.72 (1.65,1.79)	2.38 (2.27,2.5)
Genesis 2	Genesis 2	NJR	Uncon	36818	1.22 (1.1,1.36)	1.71 (1.55,1.88)	2.56 (2.27,2.88)
Nexgen	Nexgen	NJR	Uncon	51545	1.1 (1.0,1.21)	1.59 (1.46,1.74)	2.6 (2.33,2.91)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Unspec	8496	1.35 (1.09,1.67)	1.74 (1.4,2.17)	2.67 (1.52,4.66)
Nexgen CR Flex	Nexgen	Australia	CR	16286	1.5 (1.3,1.7)	2.0 (1.8,2.3)	2.7 (2.2,3.2)
Nexgen CR	Nexgen	Australia	CR	3735	1.4 (1.0,1.8)	1.8 (1.4,2.3)	2.8 (2.3,3.4)
PFC Sigma CR	MBT	Australia	CR	1125	1.5 (0.9,2.4)	1.8 (1.2,2.8)	2.8 (1.8,4.3)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Unspec	2038	1.58 (1.11,2.25)	2.33 (1.73,3.15)	2.89 (2.17,3.84)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee (fixed)	NJR	PS	69776	1.48 (1.38,1.58)	2.05 (1.93,2.17)	2.94 (2.74,3.14)
NexGen	NexGen	Finland	Unspec	4223	1.4 (1.1,1.8)	2.0 (1.5,2.4)	3.1 (2.5,3.6)
Triathlon	Triathlon	NJR	Uncon	49352	1.52 (1.39,1.66)	2.03 (1.86,2.21)	3.11 (2.6,3.71)
TC Plus	TC Plus (mobile)	NJR	Uncon	4714	1.49 (1.17,1.89)	2.06 (1.67,2.52)	3.12 (2.54,3.83)
Genesis 2	Genesis 2	NJR	PS	12267	1.85 (1.59,2.15)	2.42 (2.09,2.79)	3.31 (2.65,4.12)
MRK	MRK	NJR	Uncon	8962	1.27 (1.03,1.56)	1.69 (1.4,2.05)	3.33 (2.56,4.32)
PFC Sigma CR	PFC Sigma	Australia	CR	11461	1.9 (1.6,2.2)	2.4 (2.1,2.7)	3.4 (3.0,3.9)
AGC	AGC	NJR	Uncon	59787	1.42 (1.32,1.52)	2.0 (1.88,2.12)	3.44 (3.22,3.68)
<i>AGC</i>	<i>AGC</i>	Australia	Unspec	3493	2.4 (2.0,3.0)	3.5 (2.9,4.2)	5.4 (4.6,6.3)
TC Plus	TC Plus (fixed)	NJR	Uncon	7889	1.9 (1.62,2.23)	2.55 (2.22,2.93)	3.5 (2.96,4.12)
Scorpio	Scorpio (mobile)	NJR	PS	1368	1.49 (0.96,2.3)	2.2 (1.53,3.15)	3.56 (2.55,4.95)
Natural Knee II	Natural Knee II	Australia	Unspec	1754	1.3 (0.9,2.0)	1.9 (1.4,2.7)	3.6 (2.6,4.9)
<i>Natural Knee II</i>	<i>Natural Knee II</i>	NJR	Uncon	2683	1.41 (1.02,1.95)	2.24 (1.71,2.93)	4.16 (3.24,5.33)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee (mobile)	NJR	Uncon	7571	1.87 (1.58,2.22)	2.64 (2.28,3.07)	3.61 (3.08,4.22)
NexGen LPS	NexGen LPS	Finland	Unspec	2204	1.9 (1.3,2.5)	2.5 (1.8,3.1)	3.7 (2.8,4.6)
Triathlon CR	Triathlon	Australia	CR	25632	2.1 (1.9,2.3)	2.6 (2.4,2.8)	3.8 (3.2,4.5)
Genesis II CR	Genesis II CR	Finland	CR	651	2.2 (1.1,3.3)	2.6 (1.3,3.9)	3.8 (1.7,5.9)
Scorpio	Scorpio (fixed)	NJR	Uncon	10701	1.86 (1.62,2.14)	2.61 (2.32,2.94)	3.84 (3.43,4.29)
BalanSys	BalanSys	Australia	Unspec	1417	1.5 (0.8,2.5)	1.9 (1.1,3.2)	3.9 (2.2,7.1)

Table 1 (page 2 of 4). TKA *cemented* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Scorpio	Scorpio (fixed)	NJR	PS	6087	1.58 (1.29,1.93)	2.36 (2.0,2.78)	3.93 (3.39,4.57)
Maxim	Maxim	NJR	Uncon	1322	1.48 (0.94,2.3)	2.17 (1.49,3.15)	3.98 (2.88,5.5)
NexGen CR Flex	NexGen CR Flex	Finland	CR	18244	2.2 (2.0,2.5)	2.9 (2.6,3.2)	4.1 (3.6,4.7)
Rotaglide	Rotaglide	NJR	Uncon	1304	2.05 (1.37,3.08)	3.24 (2.3,4.54)	4.11 (2.9,5.8)
Advance MP	Advance MP	NJR	Uncon	7114	2.0 (1.68,2.38)	2.72 (2.32,3.19)	4.16 (3.42,5.05)
Arge	Arge	Finland	Unspec	3509	1.8 (1.4,2.3)	2.6 (2.0,3.1)	4.2 (3.5,5.0)
Genesis II CR	Genesis II	Australia	CR	13019	2.4 (2.2,2.7)	3.1 (2.8,3.5)	4.3 (3.9,4.7)
Nexgen	Nexgen	NJR	PS	56035	1.56 (1.45,1.68)	2.5 (2.34,2.66)	4.32 (4.03,4.63)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee (mobile)	NJR	PS	6719	2.11 (1.78,2.51)	2.83 (2.43,3.3)	4.32 (3.55,5.26)
Kinemax Plus	Kinemax Plus	Australia	Unspec	1826	2.4 (1.8,3.3)	3.1 (2.4,4.0)	4.5 (3.6,5.6)
PFC Sigma PS	PFC Sigma	Australia	PS	7167	2.6 (2.2,3.0)	3.2 (2.7,3.6)	4.5 (3.9,5.3)
PFC Sigma	PFC Sigma	Finland	Unspec	24865	2.4 (2.2,2.6)	3.0 (2.8,3.3)	4.5 (4.2,4.8)
NexGen LPS Flex	NexGen LPS Flex	Finland	Unspec	5513	2.6 (2.1,3.0)	3.3 (2.8,3.8)	4.5 (3.8,5.2)
Columbus	Columbus	NJR	Uncon	8256	1.75 (1.44,2.12)	2.4 (2.0,2.89)	4.54 (2.32,8.79)
PFC Sigma PS	MBT	Australia	PS	5828	2.6 (2.2,3.1)	3.5 (3.0,4.1)	4.6 (3.9,5.3)
Profix	Profix	Australia	Unspec	3825	2.6 (2.1,3.2)	3.2 (2.6,3.9)	4.6 (3.9,5.4)
LCS Complete	LCS Complete	NJR	Uncon	10205	1.62 (1.37,1.9)	2.7 (2.37,3.08)	4.64 (3.87,5.55)
Kinemax	Kinemax	NJR	Uncon	10670	1.79 (1.55,2.06)	2.71 (2.41,3.04)	4.72 (4.29,5.2)
Insall-Burstein 2	Insall-Burstein 2	NJR	PS	2393	1.47 (1.05,2.05)	2.75 (2.15,3.51)	4.76 (3.89,5.83)
Duracon	Duracon	Australia	Unspec	8968	2.4 (2.1,2.8)	3.3 (2.9,3.7)	4.8 (4.3,5.3)
<i>Duracon</i>	<i>Duracon</i>	Finland	Unspec	27189	2.9 (2.7,3.1)	3.7 (3.5,4.0)	5.8 (5.5,6.1)
Nexgen LPS	Nexgen	Australia	Unspec	5618	2.3 (1.9,2.7)	2.9 (2.5,3.4)	4.8 (4.2,5.5)
Active Knee	Active Knee	Australia	Unspec	1430	2.4 (1.6,3.4)	3.6 (2.6,5.0)	4.9 (3.3,7.2)
Genesis II PS	Genesis II	Australia	PS	14812	2.8 (2.6,3.1)	3.7 (3.4,4.1)	5.0 (4.5,5.5)
LCS CR	MBT	Australia	CR	9848	2.4 (2.0,2.7)	3.3 (2.9,3.7)	5.0 (4.4,5.6)
Nexgen LPS Flex	Nexgen	Australia	Unspec	27014	2.3 (2.1,2.5)	3.2 (3.0,3.4)	5.0 (4.7,5.5)
Scorpio CR	Series 7000	Australia	CR	1780	2.2 (1.6,3.1)	2.9 (2.2,3.8)	5.0 (4.0,6.2)

Table 1 (page 3 of 4). TKA *cemented* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Scorpio	Scorpio (mobile)	NJR	Uncon	1171	2.54 (1.77,3.64)	3.63 (2.69,4.9)	5.04 (3.84,6.6)
PFC Sigma stabilized	PFC Sigma stabilized	Finland	Unspec	3331	3.3 (2.7,3.9)	4.3 (3.6,5.0)	5.1 (4.3,6.0)
Genesis 2 Oxinium	Genesis 2 Oxinium	NJR	Uncon	4583	1.97 (1.57,2.47)	3.05 (2.51,3.7)	5.38 (4.29,6.75)
Triathlon CR	Triathlon CR	Finland	CR	37823	3.2 (3.0,3.4)	3.9 (3.7,4.2)	5.5 (5.0,6.0)
RBK	RBK	Australia	Unspec	2157	2.6 (1.9,3.4)	3.4 (2.6,4.3)	5.7 (4.4,7.5)
Vanguard	Vanguard	Finland	Unspec	9619	3.0 (2.7,3.4)	3.7 (3.3,4.1)	5.7 (4.8,6.5)
Rotaglide +	Rotaglide +	NJR	Uncon	1710	2.83 (2.13,3.74)	3.65 (2.85,4.68)	5.77 (4.61,7.21)
Triathlon PS	Triathlon PS	Finland	PS	2980	4.4 (3.6,5.2)	5.5 (4.6,6.4)	6.1 (5.1,7.1)
Genesis II Oxinium CR	Genesis II	Australia	CR	6923	2.8 (2.4,3.2)	3.7 (3.2,4.2)	6.2 (5.5,7.0)
Genesis 2 Oxinium	Genesis 2 Oxinium	NJR	PS	2350	3.01 (2.32,3.9)	4.4 (3.47,5.59)	6.29 (4.89,8.08)
Advance PS	Advance PS	NJR	PS	1020	2.65 (1.76,3.96)	3.52 (2.45,5.05)	6.33 (4.09,9.74)
Scorpio PS	Scorpio	Australia	PS	510	3.8 (2.4,5.9)	4.4 (2.9,6.6)	6.4 (4.5,9.1)
AGC V2	AGC V2	Finland	Unspec	16518	3.1 (2.8,3.4)	4.1 (3.8,4.4)	6.6 (6.2,7.0)
Nexgen	Nexgen	NJR	PS	1010	2.9 (1.98,4.24)	3.73 (2.65,5.25)	6.73 (5.01,9.01)
Scorpio PS	Series 7000	Australia	PS	3205	2.9 (2.3,3.5)	4.0 (3.3,4.8)	6.8 (5.8,8.1)
Scorpio PS	Scorpio+	Australia	PS	900	4.0 (2.9,5.5)	5.6 (4.3,7.4)	6.9 (5.3,9.0)
Maxim	Maxim	Finland	Unspec	2618	3.5 (2.8,4.3)	4.5 (3.7,5.3)	6.9 (5.8,7.9)
Advance	Advance II	Australia	Unspec	918	4.1 (3.0,5.6)	4.8 (3.6,6.4)	7.2 (5.4,9.6)
LCS CR	LCS	Australia	CR	3936	3.8 (3.2,4.4)	5.0 (4.4,5.8)	7.2 (6.4,8.1)
NexGen LCCK	NexGen LCCK	Finland	Unspec	734	3.8 (2.2,5.4)	4.1 (2.4,5.8)	7.2 (1.7,12.3)
Genesis II Oxinium PS	Genesis II	Australia	PS	14338	3.8 (3.5,4.2)	5.2 (4.8,5.7)	7.7 (7.0,8.4)
AGC V2/Maxin	AGC V2/Maxim	Finland	Unspec	769	4.1 (2.7,5.5)	5.1 (3.5,6.6)	7.7 (5.7,9.6)
Vanguard PS	Vanguard PS	Finland	PS	731	3.5 (2.2,4.9)	4.0 (2.6,5.5)	7.8 (4.0,11.3)
Profix Oxinium	Profix	Australia	Unspec	999	5.0 (3.8,6.5)	6.6 (5.2,8.3)	8.0 (6.4,10.0)
Optetrak	Optetrak	NJR	PS	1608	2.69 (1.99,3.62)	4.61 (3.65,5.82)	8.82 (5.81,13.29)
TC IV	TC IV	Finland	Unspec	649	4.2 (2.6,5.7)	5.5 (3.7,7.3)	9.5 (7.0,12.0)
Optetrak-PS	Optetrak	Australia	PS	2398	4.7 (3.9,5.7)	6.6 (5.6,7.8)	9.6 (8.1,11.4)

Table 1 (page 4 of 4). TKA *cemented* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Miller-Galante II	Miller-Galante II	Finland	Unspec	1557	2.9 (2.1,3.8)	4.7 (3.6,5.8)	9.7 (8.0,11.2)
Performance	Performance	Finland	Unspec	879	2.9 (1.8,4.0)	4.9 (3.5,6.4)	10.6 (8.3,12.8)
Anametric	Anametric	Finland	Unspec	591	3.8 (2.3,5.4)	6.0 (4.0,7.9)	11.8 (8.8,14.7)
Link Endo-Model	Link Endo-Model	Finland	Unspec	558	5.9 (3.9,7.9)	7.7 (5.3,10.0)	12.4 (9.1,15.6)

Table 2 (page 1 of 1). TKA *cemented* fixation implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years
Nexgen CR Flex	Natural Knee II	Australia	CR	786	0.6 (0.2,1.6)	0.6 (0.2,1.6)
Evolis	Evolis	Australia	Unspec	730	1.1 (0.5,2.3)	1.6 (0.8,3.1)
Vanguard CR	Vanguard	Australia	CR	967	1.4 (0.8,2.5)	1.7 (0.9,3.2)
Vanguard	Vanguard	NJR	Uncon	34809	1.4 (1.25,1.56)	2.03 (1.82,2.27)
Score	Score	Australia	Unspec	515	1.7 (0.8,3.5)	2.1 (1.0,4.3)
Legion PS	Genesis II	Australia	PS	3208	1.9 (1.4,2.6)	2.2 (1.6,3.0)
Scorpio NRG CR	Series 7000	Australia	CR	1387	1.4 (0.9,2.3)	2.2 (1.4,3.4)
Scorpio NRG PS	Series 7000	Australia	PS	2555	1.7 (1.2,2.3)	2.3 (1.8,3.1)
NRG	NRG	NJR	Uncon	7429	1.53 (1.26,1.87)	2.4 (2.02,2.85)
NRG	NRG	NJR	PS	4645	1.71 (1.36,2.14)	2.42 (1.98,2.96)
Triathlon	Triathlon	NJR	PS	12491	1.64 (1.41,1.92)	2.52 (2.18,2.92)
Legion Oxinium CR	Genesis II	Australia	CR	2180	2.3 (1.7,3.1)	2.7 (2.0,3.8)
Vanguard CR	Maxim	Australia	CR	6778	2.2 (1.8,2.7)	2.8 (2.4,3.4)
Vanguard	Vanguard	NJR	PS	5740	1.9 (1.49,2.42)	2.91 (2.28,3.72)
Natural Knee Flex	Natural Knee II	Australia	Unspec	1129	2.5 (1.6,3.8)	3.0 (2.0,4.7)
Advance MP Stature	Advance MP Stature	NJR	Uncon	1200	1.67 (1.0,2.76)	3.39 (2.2,5.2)
Legion CR	Genesis II	Australia	CR	975	2.6 (1.6,4.0)	3.6 (2.3,5.7)
NexGen CR Flex TM	NexGen CR Flex TM	Finland	CR	1721	3.1 (2.2,3.9)	3.8 (2.8,4.8)
Legion Oxinium PS	Genesis II	Australia	PS	7996	3.2 (2.8,3.8)	3.9 (3.3,4.7)
Triathlon PS	Triathlon	Australia	PS	5886	3.2 (2.7,3.7)	4.0 (3.4,4.6)
GMK Primary	GMK Primary	Australia	Unspec	549	2.4 (1.2,4.7)	4.2 (1.7,10.2)
Triathlon TS	Triathlon TS	Finland	Unspec	813	3.5 (2.2,4.8)	4.2 (2.5,5.8)
Nexgen LCCK	Nexgen	Australia	Unspec	604	3.5 (2.2,5.5)	5.0 (3.2,7.6)
Optetrak-PS	Optetrak-RBK	Australia	PS	720	3.9 (2.7,5.9)	5.3 (3.7,7.5)
Vanguard PS	Maxim	Australia	PS	3500	4.6 (3.9,5.4)	5.7 (4.9,6.7)
Journey Oxinium	Journey	Australia	Unspec	3032	4.5 (3.8,5.3)	6.4 (5.5,7.4)

Table 3 (page 1 of 1). TKA *uncemented* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Nexgen CR	Nexgen	Australia	CR	3369	1.7 (1.3,2.2)	2.1 (1.7,2.7)	3.0 (2.5,3.7)
Nexgen CR Flex	Nexgen TM CR	Australia	CR	8165	1.9 (1.6,2.2)	2.4 (2.0,2.8)	3.3 (2.6,4.2)
PFC Sigma CR	AMK Duofix	Australia	CR	1911	1.6 (1.1,2.2)	2.3 (1.7,3.2)	3.3 (2.4,4.4)
Nexgen CR Flex	Nexgen	Australia	CR	6205	2.2 (1.8,2.6)	2.7 (2.2,3.2)	3.7 (3.0,4.5)
Genesis II CR	Profix Mobile	Australia	CR	505	2.0 (1.1,3.7)	3.0 (1.8,4.9)	4.2 (2.7,6.4)
Maxim	Maxim	Australia	Unspec	612	3.0 (1.9,4.7)	3.3 (2.2,5.1)	4.8 (3.3,6.9)
Advantim	Advantim	Australia	Unspec	1255	2.8 (2.0,3.9)	3.5 (2.6,4.7)	5.1 (3.8,6.9)
Duracon	Duracon	Australia	Unspec	3539	2.7 (2.2,3.3)	3.7 (3.1,4.4)	5.2 (4.4,6.0)
LCS CR	MBT Duofix	Australia	CR	12107	3.3 (3.0,3.7)	4.2 (3.8,4.6)	5.5 (5.0,6.0)
RBK	RBK	Australia	Unspec	6027	3.2 (2.8,3.7)	4.2 (3.6,4.8)	5.5 (4.8,6.4)
LCS CR	MBT	Australia	CR	7036	3.4 (3.0,3.9)	4.3 (3.8,4.9)	5.6 (4.9,6.4)
PFC Sigma CR	MBT Duofix	Australia	CR	2414	3.4 (2.7,4.3)	4.3 (3.5,5.2)	5.6 (4.5,7.0)
LCS CR	LCS	Australia	CR	2341	3.4 (2.7,4.2)	4.2 (3.5,5.1)	5.8 (4.9,6.9)
Profix	Profix	Australia	Unspec	1488	3.5 (2.6,4.5)	4.5 (3.6,5.7)	6.3 (5.1,7.8)
Nexgen CR	Nexgen TM CR	Australia	CR	657	4.6 (3.2,6.7)	6.4 (4.7,8.8)	7.1 (5.2,9.7)
Scorpio CR	Series 7000	Australia	CR	3130	3.4 (2.8,4.1)	4.7 (4.0,5.6)	7.2 (6.2,8.3)
Natural Knee II	Natural Knee II	Australia	Unspec	2890	2.2 (1.8,2.9)	3.5 (2.9,4.2)	7.3 (6.3,8.5)
PFC Sigma CR	MBT	Australia	CR	994	4.9 (3.7,6.4)	6.1 (4.6,8.0)	7.4 (5.6,9.7)
Scorpio PS	Series 7000	Australia	PS	570	5.3 (3.7,7.5)	6.2 (4.5,8.6)	7.7 (5.7,10.3)
Active Knee	Active Knee	Australia	Unspec	4894	3.8 (3.3,4.4)	5.4 (4.8,6.1)	9.1 (8.1,10.1)
PCA	PCA	Finland	Unspec	1687	3.0 (2.2,3.8)	5.4 (4.3,6.5)	17.4 (15.3,19.4)
Synatomic Townley	Synatomic Townley	Finland	Unspec	790	4.6 (3.1,6.1)	7.4 (5.5,9.2)	18.4 (15.3,21.3)
Miller-Galante I	Miller-Galante I	Finland	Unspec	1307	4.6 (3.5,5.8)	8.5 (7.0,10.1)	25.0 (22.4,27.6)

Table 4 (page 1 of 1). TKA *uncemented* fixation implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years
Scorpio NRG CR	Series 7000	Australia	CR	1968	2.0 (1.4,2.8)	2.5 (1.8,3.5)
Nexgen LPS	Nexgen TM LPS	Australia	Unspec	1024	1.4 (0.8,2.4)	2.6 (1.7,4.0)
Triathlon CR	Triathlon	Australia	CR	12017	2.1 (1.8,2.4)	2.8 (2.4,3.1)
Natural Knee Flex	Natural Knee II	Australia	Unspec	1087	2.4 (1.6,3.6)	2.9 (2.0,4.2)
Vanguard CR	Vanguard	Australia	CR	1183	3.1 (2.1,4.4)	3.1 (2.1,4.4)
Nexgen LPS Flex	Nexgen TM LPS	Australia	Unspec	854	2.3 (1.5,3.7)	3.6 (2.2,5.7)
Triathlon PS	Triathlon	Australia	PS	991	3.8 (2.8,5.3)	4.9 (3.7,6.5)
Advance	Advance	Australia	Unspec	575	4.7 (3.1,7.1)	5.0 (3.3,7.5)
Vanguard CR	Regenerex	Australia	CR	1192	3.9 (2.8,5.4)	5.3 (3.9,7.3)
Vanguard CR	Maxim	Australia	CR	581	3.8 (2.5,5.8)	5.4 (3.8,7.6)
Score	Score	Australia	Unspec	1705	4.5 (3.5,5.8)	6.1 (4.8,7.7)
Scorpio NRG PS	Series 7000	Australia	PS	970	5.7 (4.3,7.5)	7.2 (5.6,9.3)
Columbus	Columbus	Australia	Unspec	500	7.7 (5.6,10.4)	9.8 (7.5,12.9)
LCS Duofix	MBT Duofix	Australia	Unspec	3649	6.2 (5.5,7.0)	10.1 (9.2,11.1)

Table 5 (page 1 of 2). TKA *hybrid* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Nexgen CR Flex	Nexgen TM CR	Australia	CR	762	1.4 (0.7,2.5)	1.5 (0.8,2.7)	2.0 (1.2,3.3)
Profix	Profix	NJR	Uncon	2310	1.2 (0.83,1.75)	1.5 (1.07,2.1)	2.17 (1.55,3.05)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Uncon	1708	1.22 (0.79,1.89)	1.82 (1.27,2.61)	2.32 (1.62,3.31)
LCS	LCS	NJR	Uncon	1357	1.87 (1.27,2.76)	2.42 (1.72,3.4)	2.69 (1.94,3.73)
Nexgen CR Flex	Nexgen	Australia	CR	14550	1.8 (1.6,2.1)	2.2 (1.9,2.5)	2.8 (2.4,3.3)
Nexgen CR	Nexgen	Australia	CR	4007	1.5 (1.2,2.0)	2.0 (1.6,2.6)	3.1 (2.5,3.8)
LCS Complete	LCS Complete	NJR	Uncon	13438	1.77 (1.55,2.03)	2.53 (2.24,2.85)	3.26 (2.88,3.7)
TC Plus	TC Plus	NJR	Uncon	1930	1.63 (1.12,2.37)	2.34 (1.68,3.23)	3.38 (2.39,4.75)
AGC	AGC	Australia	Unspec	1642	1.4 (0.9,2.1)	2.1 (1.5,3.0)	3.5 (2.6,4.7)
<i>AGC</i>	<i>AGC</i>	NJR	Uncon	2097	3.26 (2.58,4.13)	3.96 (3.2,4.91)	5.99 (4.68,7.65)
PFC Sigma CR	PFC Sigma	Australia	CR	10620	1.9 (1.6,2.2)	2.5 (2.1,2.8)	3.5 (3.1,4.1)
Nexgen	Nexgen	NJR	Uncon	5010	2.29 (1.9,2.76)	2.91 (2.46,3.44)	3.65 (3.08,4.33)
Nexgen	Nexgen	NJR	PS	2048	1.68 (1.17,2.41)	2.32 (1.68,3.21)	3.65 (2.66,5.0)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Uncon	1006	1.57 (0.93,2.64)	2.03 (1.26,3.26)	3.67 (2.11,6.36)
LCS CR	MBT	Australia	CR	7787	2.1 (1.8,2.5)	2.9 (2.5,3.3)	4.1 (3.5,4.9)
Natural Knee II	Natural Knee II	Australia	Unspec	1966	2.2 (1.6,3.0)	2.6 (1.9,3.4)	4.1 (3.2,5.2)
Scorpio CR	Series 7000	Australia	CR	6213	2.0 (1.7,2.4)	2.8 (2.4,3.3)	4.2 (3.6,4.9)
E-Motion Bicondylar Knee	E-Motion Bicondylar Knee	NJR	Uncon	1887	2.01 (1.44,2.8)	2.79 (2.07,3.77)	4.29 (3.19,5.76)
Scorpio	Scorpio	NJR	Uncon	4810	1.8 (1.46,2.23)	2.5 (2.08,3.0)	4.37 (3.58,5.33)
Scorpio PS	Scorpio+	Australia	PS	905	2.6 (1.7,3.9)	3.4 (2.4,4.8)	4.6 (3.3,6.3)
Profix	Profix	Australia	Unspec	769	2.5 (1.6,3.9)	3.9 (2.7,5.6)	4.8 (3.4,6.6)
Genesis II CR	Genesis II	Australia	CR	6746	2.8 (2.4,3.3)	3.8 (3.3,4.3)	4.9 (4.3,5.6)
RBK	RBK	Australia	Unspec	1283	2.8 (2.0,3.9)	3.9 (2.8,5.4)	4.9 (3.5,7.0)
Duracon	Duracon	Australia	Unspec	7963	2.7 (2.4,3.1)	3.5 (3.1,3.9)	5.0 (4.5,5.5)
Nexgen LPS	Nexgen	Australia	Unspec	970	2.5 (1.6,3.7)	4.0 (2.9,5.5)	5.2 (3.9,7.0)
LCS CR	LCS	Australia	CR	2362	2.7 (2.1,3.5)	3.8 (3.1,4.6)	5.3 (4.4,6.3)
PFC Sigma CR	MBT	Australia	CR	3529	3.3 (2.7,4.0)	4.4 (3.7,5.2)	5.4 (4.6,6.3)

Table 5 (page 2 of 2). TKA *hybrid* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Active Knee	Active Knee	Australia	Unspec	1965	2.7 (2.0,3.6)	3.6 (2.8,4.7)	5.9 (4.6,7.5)
Maxim	Maxim	Australia	Unspec	1407	2.7 (1.9,3.7)	3.9 (3.0,5.1)	6.5 (5.2,8.0)
Scorpio CR	Scorpio+	Australia	CR	1893	2.8 (2.2,3.7)	4.2 (3.4,5.3)	7.1 (5.9,8.5)
Scorpio PS	Series 7000	Australia	PS	1071	4.3 (3.2,5.7)	5.7 (4.4,7.3)	7.5 (5.9,9.4)
Optetrak-CR	Optetrak	Australia	CR	548	3.9 (2.5,6.3)	4.9 (3.1,7.5)	7.6 (5.2,11.1)
PFC Sigma PS	MBT Duofix	Australia	PS	1786	5.0 (4.1,6.2)	7.0 (5.8,8.4)	8.3 (6.9,9.8)
Genesis II PS	Genesis II	Australia	PS	695	4.5 (3.2,6.4)	5.5 (4.0,7.5)	8.8 (6.7,11.4)
Profix	Profix Mobile	Australia	Unspec	592	5.7 (4.1,7.9)	7.4 (5.6,9.9)	9.3 (7.2,12.1)

Table 6 (page 1 of 2). TKA *hybrid* fixation implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years
Nexgen CR Flex	Nexgen TM CR	Australia	CR	762	1.4 (0.7,2.5)	1.5 (0.8,2.7)
Profix	Profix	NJR	Uncon	2310	1.2 (0.83,1.75)	1.5 (1.07,2.1)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Uncon	1708	1.22 (0.79,1.89)	1.82 (1.27,2.61)
Nexgen CR	Nexgen	Australia	CR	4007	1.5 (1.2,2.0)	2.0 (1.6,2.6)
PFC Sigma Bicondylar Knee	PFC Sigma Bicondylar Knee	NJR	Uncon	1006	1.57 (0.93,2.64)	2.03 (1.26,3.26)
AGC	AGC	Australia	Unspec	1642	1.4 (0.9,2.1)	2.1 (1.5,3.0)
<i>AGC</i>	<i>AGC</i>	NJR	Uncon	2097	3.26 (2.58,4.13)	3.96 (3.2,4.91)
Nexgen CR Flex	Nexgen	Australia	CR	14550	1.8 (1.6,2.1)	2.2 (1.9,2.5)
Nexgen	Nexgen	NJR	PS	2048	1.68 (1.17,2.41)	2.32 (1.68,3.21)
TC Plus	TC Plus	NJR	Uncon	1930	1.63 (1.12,2.37)	2.34 (1.68,3.23)
LCS	LCS	NJR	Uncon	1357	1.87 (1.27,2.76)	2.42 (1.72,3.4)
PFC Sigma CR	PFC Sigma	Australia	CR	10620	1.9 (1.6,2.2)	2.5 (2.1,2.8)
Scorpio	Scorpio	NJR	Uncon	4810	1.8 (1.46,2.23)	2.5 (2.08,3.0)
LCS Complete	LCS Complete	NJR	Uncon	13438	1.77 (1.55,2.03)	2.53 (2.24,2.85)
Natural Knee II	Natural Knee II	Australia	Unspec	1966	2.2 (1.6,3.0)	2.6 (1.9,3.4)
E-Motion Bicondylar Knee	E-Motion Bicondylar Knee	NJR	Uncon	1887	2.01 (1.44,2.8)	2.79 (2.07,3.77)
Scorpio CR	Series 7000	Australia	CR	6213	2.0 (1.7,2.4)	2.8 (2.4,3.3)
LCS CR	MBT	Australia	CR	7787	2.1 (1.8,2.5)	2.9 (2.5,3.3)
Nexgen	Nexgen	NJR	Uncon	5010	2.29 (1.9,2.76)	2.91 (2.46,3.44)
Scorpio PS	Scorpio+	Australia	PS	905	2.6 (1.7,3.9)	3.4 (2.4,4.8)
Duracon	Duracon	Australia	Unspec	7963	2.7 (2.4,3.1)	3.5 (3.1,3.9)
Active Knee	Active Knee	Australia	Unspec	1965	2.7 (2.0,3.6)	3.6 (2.8,4.7)
Genesis II CR	Genesis II	Australia	CR	6746	2.8 (2.4,3.3)	3.8 (3.3,4.3)
LCS CR	LCS	Australia	CR	2362	2.7 (2.1,3.5)	3.8 (3.1,4.6)
Profix	Profix	Australia	Unspec	769	2.5 (1.6,3.9)	3.9 (2.7,5.6)
RBK	RBK	Australia	Unspec	1283	2.8 (2.0,3.9)	3.9 (2.8,5.4)
Maxim	Maxim	Australia	Unspec	1407	2.7 (1.9,3.7)	3.9 (3.0,5.1)

Table 6 (page 2 of 2). TKA *hybrid* fixation implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years
Nexgen LPS	Nexgen	Australia	Unspec	970	2.5 (1.6,3.7)	4.0 (2.9,5.5)
Scorpio CR	Scorpio+	Australia	CR	1893	2.8 (2.2,3.7)	4.2 (3.4,5.3)
PFC Sigma CR	MBT	Australia	CR	3529	3.3 (2.7,4.0)	4.4 (3.7,5.2)
Optetrak-CR	Optetrak	Australia	CR	548	3.9 (2.5,6.3)	4.9 (3.1,7.5)
Genesis II PS	Genesis II	Australia	PS	695	4.5 (3.2,6.4)	5.5 (4.0,7.5)
Scorpio PS	Series 7000	Australia	PS	1071	4.3 (3.2,5.7)	5.7 (4.4,7.3)
PFC Sigma PS	MBT Duofix	Australia	PS	1786	5.0 (4.1,6.2)	7.0 (5.8,8.4)
Profix	Profix Mobile	Australia	Unspec	592	5.7 (4.1,7.9)	7.4 (5.6,9.9)

Table 7 (page 1 of 2). TKA *unreported* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
PFC Sigma Cruciate-Retaining	PFC Sigma All-Poly	Denmark	CR	940		1.4 (0.6,2.2)	1.6 (0.6,2.7)
NexGen CR	NexGen CR Flex	Denmark	CR	720		1.0 (0.3,1.8)	2.3 (0.9,3.6)
Nexgen	Nexgen	Italy	Unspec	4797		1.8 (1.4,2.2)	2.4 (1.8,3.0)
Profix	Profix	Italy	Unspec	581		2.7 (1.3,4.0)	3.4 (1.8,4.9)
PFC Sigma Cruciate-Substituting	PFC Sigma PS	Denmark	CR	515		2.9 (1.3,4.5)	3.8 (1.7,5.8)
Advance Medial Pivot	Advance Medial Pivot	Denmark	Unspec	1691		2.6 (1.8,3.4)	3.9 (2.6,5.2)
<i>Advance Medial Pivot</i>	<i>Advance Medial Pivot</i>	Italy	Unspec	561		3.7 (2.1,5.4)	4.0 (2.3,5.8)
PFC	PFC	Italy	Unspec	1724		2.9 (2.0,3.8)	4.0 (2.8,5.3)
Nexgen	Nexgen	Italy	Unspec	1991		2.6 (1.9,3.4)	4.1 (3.2,5.1)
Genesis II	Genesis II	Italy	Unspec	924		3.6 (2.2,5.0)	4.4 (2.6,6.3)
PFC Sigma Cruciate-Retaining	PFC Modular	Denmark	CR	8275		3.0 (2.6,3.4)	4.7 (4.1,5.3)
Profix	Profix	Italy	Unspec	2011		3.2 (2.4,4.0)	4.7 (3.6,5.7)
Nexgen	Nexgen	Italy	Unspec	1076		2.7 (1.5,3.9)	4.8 (1.7,7.9)
NexGen CR	NexGen CR	Denmark	CR	6348		3.4 (2.9,3.9)	4.8 (4.1,5.5)
Nexgen	Nexgen	Italy	Unspec	790		3.4 (2.0,4.7)	4.9 (2.9,6.9)
Gemini MK II	Gemini MK II	Italy	Unspec	1865		2.5 (1.7,3.3)	5.1 (2.9,7.3)
Triathlon	Triathlon	Italy	Unspec	902		2.1 (0.7,3.4)	5.3 (0.2,10.3)
Vanguard CR	Vanguard CR	Denmark	CR	7307		4.0 (3.5,4.5)	5.3 (4.1,6.5)
PFC Sigma Cruciate-Retaining	PFC Sigma Cruciate-Retaining	Denmark	CR	5109		3.8 (3.2,4.4)	5.3 (4.2,6.5)
Scorpio NRG	Scorpio NRG	Italy	Unspec	535		3.6 (1.9,5.2)	5.4 (2.9,7.9)
AGC V2 Universal	AGC V2	Denmark	Unspec	14000		4.1 (3.8,4.5)	6.1 (5.6,6.6)
PFC	PFC	Italy	Unspec	521		3.7 (1.7,5.6)	6.4 (3.4,9.5)
NexGen LPS	NexGen LPS	Denmark	Unspec	879		4.8 (3.2,6.3)	7.3 (4.4,10.1)
AGC V2 Anatomic	AGC V2	Denmark	Unspec	827		5.1 (3.6,6.7)	7.4 (5.4,9.3)
Maxim Primary	Maxim	Denmark	Unspec	1004		5.7 (4.2,7.2)	7.8 (6.0,9.6)
PFC Sigma Cruciate-Substituting	PFC Modular	Denmark	Unspec	2489		6.2 (5.2,7.2)	8.0 (6.8,9.2)
PFC Sigma Cruciate-Retaining	PFC Sigma Rotating Platform	Denmark	CR	1988		4.5 (3.3,5.7)	8.1 (3.7,12.4)

Table 7 (page 2 of 2). TKA *unreported* fixation implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years	10 years
Andet	Andet	Denmark	Unspec	3386		5.7 (4.9,6.6)	8.2 (7.1,9.2)
Rotaglide	Rotaglide	Italy	Unspec	621		6.8 (4.7,8.8)	8.8 (6.3,11.3)
PFC Sigma Cruciate-Substituting	PFC Sigma Rotating Platform	Denmark	Unspec	2782		7.3 (6.3,8.4)	9.2 (7.5,10.9)
PFC Cruciate-Substituting	PFC Sigma Rotating Platform	Denmark	Unspec	745		7.0 (5.1,8.9)	9.2 (6.9,11.6)
T.A.C.K.	T.A.C.K.	Italy	Unspec	529		6.4 (4.3,8.6)	9.3 (6.7,11.9)
Genius Triccc	Genius Triccc	Italy	Unspec	589		5.6 (3.6,7.5)	9.4 (6.5,12.3)
PFC Sigma Cruciate-Substituting	PFC Sigma RP Stabilized	Denmark	Unspec	1150		6.5 (4.8,8.2)	10.0 (6.3,13.6)
PFC Sigma Cruciate-Substituting	PFC Cruciate-Substituting	Denmark	Unspec	907		13.2 (10.7,15.5)	14.5 (11.6,17.3)

Table 8 (page 1 of 2). TKA *unreported* fixation implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years
NexGen CR	NexGen CR Flex	Denmark	CR	720		1.0 (0.3,1.8)
PFC Sigma Cruciate-Retaining	PFC Sigma All-Poly	Denmark	CR	940		1.4 (0.6,2.2)
Nexgen	Nexgen	Italy	Unspec	4797		1.8 (1.4,2.2)
Triathlon	Triathlon	Italy	Unspec	902		2.1 (0.7,3.4)
Gemini MK II	Gemini MK II	Italy	Unspec	1865		2.5 (1.7,3.3)
Nexgen	Nexgen	Italy	Unspec	1991		2.6 (1.9,3.4)
Advance Medial Pivot	Advance Medial Pivot	Denmark	Unspec	1691		2.6 (1.8,3.4)
<i>Advance Medial Pivot</i>	<i>Advance Medial Pivot</i>	Italy	Unspec	561		3.7 (2.1,5.4)
Profix	Profix	Italy	Unspec	581		2.7 (1.3,4.0)
Nexgen	Nexgen	Italy	Unspec	1076		2.7 (1.5,3.9)
PFC Sigma Cruciate-Substituting	PFC Sigma PS	Denmark	CR	515		2.9 (1.3,4.5)
PFC	PFC	Italy	Unspec	1724		2.9 (2.0,3.8)
PFC Sigma Cruciate-Retaining	PFC Modular	Denmark	CR	8275		3.0 (2.6,3.4)
Profix	Profix	Italy	Unspec	2011		3.2 (2.4,4.0)
NexGen CR	NexGen CR	Denmark	CR	6348		3.4 (2.9,3.9)
Nexgen	Nexgen	Italy	Unspec	790		3.4 (2.0,4.7)
Genesis II	Genesis II	Italy	Unspec	924		3.6 (2.2,5.0)
Scorpio NRG	Scorpio NRG	Italy	Unspec	535		3.6 (1.9,5.2)
PFC	PFC	Italy	Unspec	521		3.7 (1.7,5.6)
PFC Sigma Cruciate-Retaining	PFC Sigma Cruciate-Retaining	Denmark	CR	5109		3.8 (3.2,4.4)
Vanguard CR	Vanguard CR	Denmark	CR	7307		4.0 (3.5,4.5)
AGC V2 Universal	AGC V2	Denmark	Unspec	14000		4.1 (3.8,4.5)
PFC Sigma Cruciate-Retaining	PFC Sigma Rotating Platform	Denmark	CR	1988		4.5 (3.3,5.7)
NexGen LPS	NexGen LPS	Denmark	Unspec	879		4.8 (3.2,6.3)
AGC V2 Anatomic	AGC V2	Denmark	Unspec	827		5.1 (3.6,6.7)
Genius Triccc	Genius Triccc	Italy	Unspec	589		5.6 (3.6,7.5)
Maxim Primary	Maxim	Denmark	Unspec	1004		5.7 (4.2,7.2)

Table 8 (page 2 of 2). TKA *unreported* fixation implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	Constraint	N	3 years	5 years
Andet	Andet	Denmark	Unspec	3386		5.7 (4.9,6.6)
PFC Sigma Cruciate-Substituting	PFC Modular	Denmark	Unspec	2489		6.2 (5.2,7.2)
T.A.C.K.	T.A.C.K.	Italy	Unspec	529		6.4 (4.3,8.6)
PFC Sigma Cruciate-Substituting	PFC Sigma RP Stabilized	Denmark	Unspec	1150		6.5 (4.8,8.2)
Rotaglide	Rotaglide	Italy	Unspec	621		6.8 (4.7,8.8)
PFC Cruciate-Substituting	PFC Sigma Rotating Platform	Denmark	Unspec	745		7.0 (5.1,8.9)
PFC Sigma Cruciate-Substituting	PFC Sigma Rotating Platform	Denmark	Unspec	2782		7.3 (6.3,8.4)
PFC Sigma Cruciate-Substituting	PFC Cruciate-Substituting	Denmark	Unspec	907		13.2 (10.7,15.5)

Table 9 (page 1 of 1). UKA implants with at least one registry reporting 10 year data

Femur	Tibia	Registry	N	3 years	5 years	10 years
Zimmer Unicompartmental	Zimmer Unicompartmental	NJR	8093	2.59 (2.19,3.07)	4.18 (3.58,4.89)	6.17 (5.03,7.57)
Genesis Uni	Genesis Uni	Italy	649		5.9 (4.0,7.8)	9.9 (6.2,13.6)
AMC/Uniglidle	AMC/Uniglidle (fixed)	NJR	1306	3.1 (2.23,4.3)	4.67 (3.52,6.18)	9.45 (6.73,13.19)
MG Uni	MG Uni	NJR	2334	3.93 (3.21,4.81)	5.94 (5.04,6.99)	10.17 (8.82,11.71)
Oxford Unicompartmental Phase 3	Oxford Unicompartmental Phase 3	Italy	851		8.8 (6.8,10.7)	13.3 (10.6,15.9)
Oxford Partial Knee	Oxford Partial Knee	NJR	49093	4.19 (4.0,4.38)	6.31 (6.07,6.57)	12.04 (11.54,12.57)
Preservation	Preservation	NJR	1217	6.82 (5.53,8.4)	10.14 (8.56,12.0)	14.8 (12.72,17.18)
AMC/Uniglidle	AMC/Uniglidle (mobile)	NJR	1397	8.7 (7.31,10.35)	10.47 (8.92,12.28)	14.93 (12.73,17.48)
Oxford Phase II	Oxford Phase II	Finland	753	6.7 (4.7,8.5)	9.4 (6.9,11.7)	17.0 (13.4,20.5)
Oxford Phase III	Oxford Phase III	Finland	3716	7.0 (6.2,7.9)	10.3 (9.3,11.3)	17.7 (16.3,19.0)

Table 10 (page 1 of 1). UKA implants with at least one registry reporting 5 (but not 10) year data

Femur	Tibia	Registry	N	3 years	5 years
Zimmer Uni	Zimmer Uni	Italy	514		4.6 (2.4,6.9)
Sigma HP	Sigma HP	NJR	6179	3.64 (3.1,4.26)	5.19 (4.41,6.11)
Cementless Oxford	Cementless Oxford	Finland	1361	6.7 (5.1,8.4)	8.1 (6.1,10.2)
Oxford Phase III alpha	Oxford Phase III alpha	Denmark	4220		9.9 (8.9,11.0)
Oxford Phase III Uni	Oxford Phase III Uni	Denmark	1990		11.1 (9.7,12.5)

Table 11 (page 1 of 1). PFJ implants with at least one registry reporting 10 year data

Femur	Patella	Registry	N	3 years	5 years	10 years
Avon	Avon	NJR	4843	4.25 (3.67,4.9)	7.55 (6.74,8.45)	14.86 (13.31,16.57)

Table 12 (page 1 of 1). PFJ implants with at least one registry reporting 5 (but not 10) year data

Femur	Patella	Registry	N	3 years	5 years
Zimmer PFJ	Zimmer PFJ	NJR	1449	3.99 (2.9,5.48)	5.09 (3.72,6.95)
Gender solutions	Nexgen	Australia	570	5.6 (3.7,8.5)	6.5 (4.3,9.7)
FPV	FPV	NJR	1537	6.54 (5.34,8.01)	9.78 (8.21,11.62)
Journey PFJ Oxinium	Journey PFJ	NJR	1454	7.24 (5.92,8.83)	12.49 (10.62,14.67)
Sigma HP	Sigma HP	NJR	1023	8.03 (6.32,10.17)	12.65 (10.1,15.79)