

schweizerisches implantat-register
registre suisse des implants

 **SIRIS**



10

Ten Years of Swiss Hip and Knee Registry

Swiss National Hip & Knee Joint Registry Implant Appendix 2023

Version 09.01.2024

 **SWISSRDL**

Institut für Sozial- und Präventivmedizin ISPM
SwissRDL Medical Registries and Data Linkage

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**UNIVERSITÄT
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Hip implant appendix SIRIS Report 2023

Uncemented stem-cup combinations used in primary OA

Uncemented stem	Detail of stem included	Uncemented cup	Details of cup included
Accolade II	mix of 127° and 132°; no dominant variant	Trident II	mix of Tritanium clusterhole and Tritanium solidback; no dominant variant
Actis	all collared; mix of high size and standard size; no dominant variant	Pinnacle	85% Pinn 100 w/Gription variant; minority Pinn Sector w/Gription and Pinn 100 without coating information
Alloclassic	76% SL; minority Offset variant	Alloclassic	98% CSF Anchor; minority VARIALL Shell
Alloclassic	79% SL; minority Offset variant; individual cases of SLL REV stems included	Allofit	85% Allofit-S Alloclassic shell; minority Allofit Alloclassic shell
Alloclassic	64% SL; minority Offset variant	Fitmore	97% "W SCR CONES" variant; minority with fins
Amistem-H	n.a.	Mpact	100% two-holes variant
Amistem-H	n.a.	Versafitcup trio/ccl.	2017 and later: 100% Versafitcup Trio cups; 30% of those are of the no-hole variant; before 2017: 16% CC light
Amistem-H collared	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups
Amistem-H prox coating	n.a.	Mpact	mix of no-hole and two-hole; no dominant variant
Amistem-H prox coating	n.a.	Versafitcup DM	n.a.
Amistem-H prox coating	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups; mix of no-hole and two-hole; no dominant variant
Amistem-P	n.a.	Mpact	mix of no-hole and two-hole; no dominant variant
Amistem-P	contains 4% collared variant	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 35% of those are of the no-hole variant
Ana.Nova alpha proxy	n.a.	Ana.Nova alpha	n.a.
Avenir	n.a.	Ades DM	n.a.
Avenir	n.a.	Alloclassic	88% Alloclassic VARIALL; minority CSF Anchor
Avenir	n.a.	Allofit	85% Allofit Alloclassic; minority Allofit-S and Allofit-C
Avenir	n.a.	Avantage	n.a.
Avenir	n.a.	Fitmore	2017 and later: 98% "W SCR CONES" variant; minority with fins; before 2017: 16% with fins
Avenir	n.a.	RM pressfit	n.a.
Brexis	n.a.	Xentrax	n.a.
CLS Spotorno	mix of various offsets (125°, 135°=dominant, 145°)	Allofit	2017 and later: 89% Allofit Alloclassic; minority Allofit-S and Allofit-C; before 2017: mix of Allofit Alloclassic and Allofit-S; no dominant version
CLS Spotorno	mix of various offsets (125°, 135°=dominant, 145°)	Fitmore	99% "W SCR CONES" variant; individual cases with fins before 2017
Corail	87% Corail 2 standard; minority Corail 2 high-offset	Allofit	96% Allofit Alloclassic; individual cases of Allofit-S and Allofit-C
Corail	60% Corail 2 standard; minority Corail 2 high-offset	Fitmore	100% "W SCR CONES" variant
Corail	68% Corail 2 standard; minority Corail 2 high-offset	Pinnacle	2017 and later: 45% Pinn 100 w/Gription variant; plus mix of Pinn multihole w/Gription, Pinn Sector w/Gription, Pinn BANTAM, Pinn 100/SECTOR without coating information; individual cases of SPIR HA multiholes; before 2017: 65% Pinn 100/SECTOR without coating information; plus mix of the other variants
Corail collared	mix of standard collared and Coxa Vara; no dominant variant	Delta motion	n.a.
Corail collared	mix of standard collared, high collar and Coxa Vara; no dominant variant	Gyros	87% "SANS PATTE"; minority DIA
Corail collared	mix of standard collared, high collar and Coxa Vara; no dominant variant	Novae TH/Bi-Mentum	83% Bi-Mentum PFR pressfit; minority PFR Plus and Sunfit/Novae E TH; individual cases of PFR revision cups may be included
Corail collared	mix of standard collared, high collar and Coxa Vara; no dominant variant; individual cases of Corail revision stems	Pinnacle	2017 and later: 62% Pinn 100 w/Gription variant; plus mix of Pinn multihole w/Gription, Pinn Sector w/Gription, Pinn BANTAM, Pinn 100/SECTOR without coating information; individual cases of SPIR HA multiholes; before 2017: 55% Pinn 100/SECTOR without coating information; plus mix of the other variants
Corehip	55% standard stem; minority VAR and VLG	Plasmafit	75% Plasmafit Plus; minority Plus 3
Exacta	n.a.	Jump system/JS traser	63% Jump System Press Fit with holes; minority with TRASER
Exacta S	n.a.	Jump system/JS traser	65% with TRASE; minority Jump System Press Fit with holes
Exception	71% standard stem; minority VAR	Allofit	59% Allofit Alloclassic; minority Allofit-S and Allofit-C
Exception	88% standard stem; minority VAR	Avantage	n.a.
Exception	73% standard stem; minority VAR	Exceed	n.a.
Fitmore	2017 and later: 79% standard stem; minority offset; before 2017: 60% standard stem; minority offset	Allofit	82% Allofit Alloclassic; minority Allofit-S and Allofit-C

Uncemented stem	Detail of stem included	Uncemented cup	Details of cup included
Fitmore	65% standard stem; minority offset	Fitmore	100% "W SCR CONES" variant
Fitmore	56% standard stem; minority offset	RM pressfit vitamys	n.a.
GTS	87% standard stem; minority VARA	G7 bispherical	n.a.
H-Max S	n.a.	Delta PF	n.a.
H-Max S	n.a.	Delta TT	n.a.
H-Max S	n.a.	Symbol DMHA/DS evol.	100% Symbol cups
Harmony	n.a.	Symbol DMHA/DS evol.	100% Symbol cups
Individual/custom hip	n.a.	April ceramic	n.a.
Individual/custom hip	n.a.	Pinnacle	54% Pinn SECTOR w/Gription; minority Pinn 100 w/Gription, Pinn BANTAM, Pinn 100 without coating information
Metafix	mix of standard vs collared and 125° vs 135°; no dominant variant	Trinity	n.a.
Minimax	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 34% of those are of the no-hole variant
Nanos	n.a.	R3	n.a.
Optimys	n.a.	Anexys	mix of Cluster, Flex and Uno; no dominant variant
Optimys	n.a.	RM pressfit	n.a.
Optimys	n.a.	RM pressfit vitamys	n.a.
Optimys	n.a.	Symbol DMHA/DS evol.	100% DS Evolution HA
Optimys	n.a.	Trident II	96% clusterhole; minority solidback
Polarstem	87% standard stem; minority Valgus	EP-fit	92% Ti-Pla/screw opt.; minority EP-Fit plus
Polarstem	92% standard stem; minority Valgus	HI	n.a.
Polarstem	86% standard stem; minority Valgus	Polarcup	n.a.
Polarstem	92% standard stem; minority Valgus and collared	R3	n.a.
Quadra-H	89% standard stem; minority short neck	Mpact	mix of two-holes and no-holes; no dominant variant
Quadra-H	98% standard stem; minority short neck	Versafitcup DM	n.a.
Quadra-H	93% standard stem; minority short neck	Versafitcup trio/ccl.	2017 and later: 100% Versafitcup Trio cups; 75% of those are of the no-hole variant; before 2017: 5% CC light
Quadra-P	75% standard stem; minority short neck and collared	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 84% of those are of the no-hole variant
SBG	n.a.	R3	n.a.
SBG	n.a.	Xentrax	n.a.
SL-plus	n.a.	HI	n.a.
SL-plus MIA	n.a.	EP-fit	84% EP-fit plus; minority Ti-Pla/screw opt.
SL-plus MIA	n.a.	HI	n.a.
SL-plus MIA	n.a.	R3	n.a.
SMS	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 52% of those are of the no-hole variant
SPS evolution	n.a.	April ceramic	n.a.
SPS evolution	n.a.	April poly	n.a.
SPS evolution	n.a.	Liberty	n.a.
Stelia-Stem	n.a.	Ana.Nova hybrid	n.a.
Stelia-Stem	n.a.	BSC pressfit	60% pressfit 3 hole; minority Macro 3 hole
Symbol	mix of standard, collared and Vara; no dominant variant	Symbol DMHA/DS evol.	100% Symbol cups
Tri-Lock	mix of standard vs high offset; no dominant version	Pinnacle	68% Pinn 100 w/Gription variant; minority Pinn Sector w/Gription, Pinn BANTAM and Pinn 100 without coating information
Twinsys	n.a.	Anexys	mix of Cluster, Flex, Uno and Multi; no dominant variant
Twinsys	n.a.	RM pressfit	n.a.
Twinsys	n.a.	RM pressfit vitamys	n.a.
Twinsys	n.a.	Symbol DMHA/DS evol.	100% DS Evolution HA

n.a. (not applicable): this means that only one standard variant of the implant was registered; apart from different sizes or lateral implants, the implant group is homogeneous

Uncemented stem-cup combinations used in secondary OA

Uncemented stem	Detail of stem included	Uncemented cup	Details of cup included
Amistem-H	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 47% of those are of the no-hole variant
Amistem-H prox coating	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 49% of those are of the no-hole variant
Amistem-P	95% standard stem; minority collared	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 40% of those are of the no-hole variant
Avenir	n.a.	Allofit	82% Allofit Alloclassic; minority Allofit-S and Allofit-C
Avenir	n.a.	Fitmore	90% "W SCR CONES" variant; minority with fins
CLS Spotorno	mix of various offsets (125°, 135°=dominant, 145°)	Allofit	90% Allofit Alloclassic; minority Allofit-S
CLS Spotorno	mix of various offsets (125°, 135°=dominant, 145°)	Fitmore	100% "W SCR CONES" variant
Corail	74% Corail 2 standard; minority Corail 2 high-offset	Pinnacle	37% Pinn 100 w/Gription variant; plus Pinn Sector w/Gription, Pinn BANTAM and Pinn 100 without coating information
Corail collared	mix of standard collared, high collar and Coxa Vara; no dominant variant; individual cases of Corail revision stems	Gyros	80% "SANS PATTE"; minority DIA
Corail collared	mix of standard collared, high collar and Coxa Vara; no dominant variant; individual cases of Corail revision stems	Pinnacle	69% Pinn 100 w/Gription variant; minority Pinn Sector w/Gription, Pinn BANTAM and Pinn 100 without coating information
Fitmore	73% standard stem; minority offset	Fitmore	100% "W SCR CONES" variant
Fitmore	68% standard stem; minority offset	RM pressfit vitamys	n.a.
Individual/custom hip	n.a.	April ceramic	n.a.
Polarstem	79% standard stem; minority Valgus	Polarcup	n.a.
Polarstem	85% standard stem; minority Valgus and collared	R3	n.a.
Quadra-H	88% standard stem; minority short neck	Versafitcup trio/ccl.	
SBG	n.a.	R3	n.a.
SL-plus MIA	n.a.	HI	n.a.
Twinsys	n.a.	RM pressfit vitamys	n.a.

Hybrid stem-cup combinations used in primary OA

Cemented stem	Detail of stem included	Uncemented cup	Details of cup included
Amistem-C	n.a.	Mpact	mix of no-hole and two-hole; no dominant variant
Amistem-C	n.a.	Versafitcup DM	n.a.
Amistem-C	n.a.	Versafitcup trio/ccl.	2017 and later: 100% Versafitcup Trio cups; 50% of those are of the no-hole variant; before 2017: 21% CC light
Arcad	n.a.	April ceramic	n.a.
Avenir (cem)	n.a.	Allofit	67% Allofit Alloclassic; minority Allofit-S and Allofit-C
Avenir (cem)	n.a.	Fitmore	100% "W SCR CONES" variant
CCA	60% CoCrMo; minority SS	RM pressfit vitamys	n.a.
Centris	n.a.	RM pressfit	n.a.
Centris	97% standard stem; minority dys. and long	RM pressfit vitamys	n.a.
Corail (cem)	n.a.	Pinnacle	54% Pinn 100 w/Gription variant; minority Pinn Sector w/Gription, Pinn BANTAM and Pinn 100 without coating information
Harmony (cem)	n.a.	Liberty	n.a.
Harmony (cem)	n.a.	Symbol DMHA/DS evol.	100% Symbol cups
MS-30	n.a.	Allofit	97% Allofit Alloclassic; minority Allofit-S
MS-30	n.a.	Fitmore	100% "W SCR CONES" variant
Original Mueller	n.a.	Allofit	76% Allofit Alloclassic; minority Allofit-S
Original Mueller	n.a.	Fitmore	100% "W SCR CONES" variant
Quadra-C	n.a.	Mpact DM	n.a.
Quadra-C	n.a.	Versafitcup DM	n.a.
Quadra-C	n.a.	Versafitcup trio/ccl.	2017 and later: 100% Versafitcup Trio cups; 90% of those are of the no-hole variant; before 2017: 2% CC light
Twinsys (cem)	n.a.	RM pressfit	n.a.
Twinsys (cem)	n.a.	RM pressfit vitamys	n.a.
Weber	84% straight; minority curved	Allofit	60% Allofit Alloclassic; minority Allofit-S
Weber	64% straight; minority curved	Avantage	n.a.
Weber	84% straight; minority curved	Fitmore	100% "W SCR CONES" variant

n.a. (not applicable): this means that only one standard variant of the implant was registered; apart from different sizes or lateral implants, the implant group is homogeneous

Hybrid stem-cup combinations used in fractures

Cemented stem	Detail of stem included	Uncemented cup	Details of cup included
Amistem-C	n.a.	Versafitcup DM	n.a.
Amistem-C	n.a.	Versafitcup trio/ccl.	2017 and later: 100% Versafitcup Trio cups; 98% of those are of the no-hole variant; before 2017: 24% CC light
Avenir (cem)	n.a.	Allofit	78% Allofit Alloclassic; minority Allofit-S and Allofit-C
Avenir (cem)	n.a.	Fitmore	100% "W SCR CONES" variant
Centris	97% standard stem; minority dys. and long	RM pressfit vitamys	n.a.
Corail (cem)	n.a.	Pinnacle	51% Pinn 100 w/Gription variant; minority Pinn Sector w/Gription, Pinn BANTAM and Pinn 100 without coating information
MS-30	n.a.	Fitmore	100% "W SCR CONES" variant
Quadra-C	n.a.	Versafitcup trio/ccl.	100% Versafitcup Trio cups; 96% of those are of the no-hole variant
Twinsys (cem)	n.a.	RM pressfit vitamys	n.a.
Weber	94% straight; minority curved	Fitmore	100% "W SCR CONES" variant

n.a. (not applicable): this means that only one standard variant of the implant was registered; apart from different sizes or lateral implants, the implant group is homogeneous

Cemented stem-head combinations used in hemiarthroplasties for fractures

Uncemented stem	Detail of stem included	Uncemented cup	Details of cup included
Amistem-C	n.a.	Medacta bipolar head	99% CoCr heads; individual cases of Biolox Delta
Amistem-C	n.a.	Medacta endohead	n.a.
Arcad	includes individual cases of Arcad Long Straight	Symbios bibop	97% SS; minority Biolox Delta
Avenir (cem)	n.a.	ZB bipolar head	75% CoCr heads; minority Protasul S-30; Biolox Delta/other ceramic heads
Avenir (cem)	n.a.	ZB unipolar head	n.a.
CCA	n.a.	Hemihead SS	n.a.
CCA	n.a.	Mathys bipolar steel head	n.a.
Centris	99% standard stems; individual cases of Long stems	Hemihead SS	n.a.
Corail (cem)	n.a.	J&J modular head carthcart	94% self-centering bipolar with 93% CoCr heads and 7% ceramic; minority Cathcart unipolar heads
Corail (cem)	n.a.	S&N bipolar ballhead	mix of CoCr, SS, other metal heads (=97%); minority Oxinium
Harmony (cem)	n.a.	Acropole bipolar head	89% SS; minority CoCr and Biolox Delta
Harmony (cem)	n.a.	OHST bipolar head	82% SS; minority CoCr; individual cases of Biolox Delta
Harmony (cem)	n.a.	Symbios bibop	95% SS; minority CoCr
MS-30	n.a.	ZB bipolar head	80% CoCr heads; minority Protasul-S-30 and Metasul
MS-30	n.a.	ZB unipolar head	n.a.
Original Mueller	n.a.	ZB bipolar head	mix of Protasul-S-30, CoCr, Sulox, SS heads; no dominant variant
Original Mueller	n.a.	ZB unipolar head	n.a.
Quadra-C	n.a.	Medacta bipolar head	98% CoCr heads; minority Biolox Delta
Quadra-C	n.a.	Medacta endohead	n.a.
Twinsys (cem)	n.a.	Hemihead SS	n.a.
Twinsys (cem)	n.a.	Mathys bipolar steel head	n.a.
Weber	includes individual cases of Weber curved stems	ZB bipolar head	60% Protasul-S-30 heads; minority Sulox, CoCr, individual cases of ceramic heads
Weber	96% straight stems; minority curved stems	ZB unipolar head	n.a.

n.a. (not applicable): this means that only one standard variant of the implant was registered; apart from different sizes or lateral implants, the implant group is homogeneous

Knee implant appendix SIRIS Report 2023

Total knee systems

Name of system	details of femoral components included	details of tibial components included	details of inlays included
3D	n.a.	n.a.	n.a.
Advance	n.a.	81% Advance II CoCr; minority Advance Biofoam; individual cases of Adv II Modular Titanium	100% Adv II Medial Pivot
Anatomic	n.a.	n.a.	n.a.
Attune CR-FB	2017 and later: 11% uncemented ATTUNE FEM POR; before 2017: 100% cemented	n.a.	n.a.
Attune CR-RP	2017 and later: 13% uncemented ATTUNE FEM POR; before 2017: 100% cemented	97% Attune RP Tib Base; minority Rev Tib Base and RP Tib S+ Base	n.a.
Attune PS-FB	contains individual cases of uncemented PS FEM POR	99% Attune FB Tib Base; minority FB Tib S+ Base	n.a.
Attune PS-RP	2017 and later: 5% uncemented ATTUNE PS FEM POR; before 2017: 100% cemented	97% Attune RP Tib Base; minority Rev Tib Base and RP Tib S+ Base	n.a.
Balansys CR	69% uncemented; contains 8% cemented TiNbN femoral components	contains 8% cemented TiNbN tibial components	2017 and later: 88% vitamys CR Inlay; minority PE
Balansys PS	100% cemented; contains 5% TiNbN femoral components	contains 5% cemented TiNbN tibial components	2017 and later: 79% vitamys CR Inlay; minority PE
Balansys RP	81% uncemented; contains 1% cemented TiNbN femoral components and individual cases of Femur XS	contains 1% cemented TiNbN tibial components	2017 and later: 58% vitamys CR Inlay; minority PE
Balansys UC	64% uncemented; contains 7% cemented TiNbN femoral components and individual cases of Femur XS	contains 7% cemented TiNbN tibial components	2017 and later: 69% vitamys CR Inlay; minority PE
E.Motion FP/UC	2017 and later: 100% cemented; before 2017: 16% uncemented; contains 1% AS E.Motion FP/UC	contains 1% AS E.Motion Pro Tib	n.a.
E.Motion PS	contains 2% AS E.Motion PS/PS Pro	contains 2% AS E.Motion Pro Tib	n.a.
Endo-Modell SL	n.a.	n.a.	n.a.
First/First REV	69% First Femur Cemented; minority First Femur Cementless; First Rev Femur Cemented; First Rev Sensitive; First Sensitive	mix of Mobile Tibia Monobloc Cementless/Cemented, Mobile Tibia Modular cemented, Fixed Tibia Monobloc cemented, Sensitive Mobile Tibia Modular/Monobloc; no dominant variant	67% First mobile insert; minority First fixed and First Rev Mobile
GKS prime flex	mix of Flex Bioloy cemented, Flex Femur cemented, Flex PS Bioloy, Flex PS Femur cemented, Flex Bioloy uncemented; no dominant version (97% cemented)	73% Flex Tibia TOP; minority Flex Bioloy Ti6Al4VTiN	57% Flex PS Vital-E; minority Flex AS, CR Vital-E, Flex UC
GMK hinge	n.a.	n.a.	n.a.
GMK primary CR/UC-FB	83% cemented	n.a.	n.a.
GMK primary CR/UC-RP	78% cemented	n.a.	n.a.
GMK primary PS	70% cemented	n.a.	n.a.
GMK sphere	92% cemented; contains 2% TiNbN Femur	contains 2% TiNbN Tibia	95% Tibial Insert Flex; minority E-Cross
Gemini SL	n.a.	n.a.	90% GEMINI® Knee Prosthesis System Articulating Surface; minority Rotating Articulating Surfaces
Genus	n.a.	n.a.	n.a.
HLS kneetec	n.a.	72% Tibia baseplate rotating; minority baseplate fix	rotating and fixed
ITotal	76% CR; minority PS	CR and PS	CR and PS
Innex FB	93% cemented; mix of Innex Fem CR and Innex Gender Fem; no dominant variant	n.a.	n.a.
Innex RP	74% cemented; mix of Innex Fem CR and Innex Gender Fem; no dominant variant	n.a.	n.a.
Journey II	84% JRNY II BCS FEMORAL OXIN; minority JRNY II CR FEM OX, JRNY II CR FEM COCR, JRNY II BCS FEM COCR	n.a.	82% JRNY II BCS XLPE; minority JRNY II CR ISRT XLPE, JRNY II BCS CNSTRD
LCS complete cemented/hybrid	64% cemented, contains individual cases of LCS CO MOD FEM and CO REV FEM	mix of MBT CEM KEEL TIB TRAY and MBT CEM TIBIAL TRAY; no dominant version	96% LCS COMP RP INSERT; minority LCS COMP RPS, LCS COMP VVC
LCS complete cementless	n.a.	95% MBT POR TIBIAL TRAY; minority MBT POR KEEL TIB TRAY	100% LCS COMP RP INSERT
Legion	mix of LEGION CR OXIN, LEGION CR OXIN, LEGION CR NP NARROW, LEGION CR NP, LEGION NARROW PS OXIN, LEGION PS OXIN, LEGION PS NP NARROW, LEGION PS NP; no dominant variant	n.a.	mix of LGN PS HIGH FLEX XLPE, LGN CR HIGH FLEX XLPE, GII C/R ART, GII DISHED, GII PS, GNS II CON, LEGION CON ART; no dominant variant

Name of system	details of Femoral components included	details of Tibial components included	details of inlays included
NK flex	72% uncemented	65% uncemented	mix of N-K FLX UC and N-K FLX; no dominant variant
Nexgen CR/LPS-Flex	84% cemented; mix of LPS-FLEX GSF, LPS-FLEX OPTION, LPS-FLEX TIVANIUM, NG CR-FLEX POR, LPS-FLEX POROUS, CR-FLEX GSF POR; no dominant variant	82% ST PRC TIB; minority NG LPS FL ST mobile tibia plate	mix of LPS-FLEX FIXED, LPS FLEX ART, NG LPS Mobile, CR ART, XLPE CR ART; no dominant variant
Nexgen LCKK	100% LCKK FEM IMPLANT	88% ST PRC TIB; minority NG PS MIC PRE ST TIB PLT	71% LPS FLEX ART; minority LPS-FLEX FIXED
Nexgen RHK	100% RHK femoral component	n.a.	n.a.
Origin PS	n.a.	80% ORIGIN PS Fixed Tibia Monobloc; minority ORIGIN PS Fixed Tibia Modular	n.a.
Persona CR	87% cemented	97% cemented	n.a.
Persona CR-MC	69% cemented	91% cemented	n.a.
Persona CR-UC	92% cemented	99% cemented	n.a.
Persona PS/CPS	96% cemented	99% cemented	87% PS; minority CPS. Note: CPS will be shown separately in the future. Current performance of the CPS inlays is at least equivalent to PS or better
Physica KR/PS	74% PS; minority KR	n.a.	PS and KR
RT-plus	n.a.	n.a.	n.a.
Score	95% uncemented	82% uncemented	n.a.
Sigma CR-FB	70% cemented; mix of PFC*SIGMA C/R NPOR, SIG C/R POROCOAT, SIGMA CR FLEX HP; no dominant variant	73% P.F.C.* MOD TIB TRAY; minority PFC* STD N-B TIB TRAY, SIG MOD TIB TRAY CEM COCR	91% SIGMA CRVD; minority PFC*SIGMA A/P CVD, SIGMA XLK CVD+,
Sigma CR-RP	54% uncemented	93% cemented	n.a.
Sigma PS-FB	n.a.	97% P.F.C.* MOD TIB TRAY; minority SIG MOD TIB TRAY CEM COCR	96% SIGMA STAB; minority PFC SIGMA A/P P/S, PFC SIGMA STAB+
Sigma PS-RP	n.a.	n.a.	n.a.
TC-plus primary FB	81% uncemented	96% cemented	84% CR; minority CS and PS
TC-plus primary RP	77% uncemented	contains individual cases of uncemented mobile tibia	n.a.
Triathlon CR/CS	64% cemented	72% cemented	58% TRIATHLON CS INS; minority X3 TRIATHLON CS INSERT, TRIATHLON MOB INSERT CS
Triathlon PS	50% cemented	61% cemented	93% TRIATHLON PS X3, minority TRIATHLON PS, TRIATHLON TS PLUS
U2	92% cemented; 75% CR; minority PS	66% U2 Tibial baseplate (fixed); minority U2 Tibial baseplate mobile	mix of XPE Tibial insert UC, XPE Tibial Insert MBC, Tibial insert MBC, XPE Tibial Insert PS; no dominant variant
Unity	89% PS; minority CR	n.a.	PS and CR
Vanguard CR	74% cemented (93% CR; minority ROCC); uncemented (60% CR; minority ROCC)	90% cemented; 79% POLISHED FINNED TIB TRAY; minority VG ROCC TIB TRAY COCR, TNBN POL COCR FIN TIB TRAY, VGXP XP INLK PRI TIB TRAY	mix of E1 VNGD CR TIB BRG, VG ROCC TIB BRG UHMWPE, VNGD ANT STBLZD BRG, VNGD CR TIB BRG, VGXP XP E1 TIB BRG; no dominant variant
Vanguard PS	69% uncemented	100% cemented; 94% POLISHED FINNED TIB TRAY; minority TNBN POL COCR FIN TIB TRAY	80% E1 VNGD PS TIB BRG; minority VNGD PS TIB BRG, VNGD PS+ TIB BRG

n.a. (not applicable): this means that only one standard variant of the implant was registered; apart from different sizes or lateral implants, the implant group is homogeneous