

The National Arthroplasty Registry of Slovenia (RES) 2st Annual Report - Hip Replacement (data from 2020)

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The National Arthroplasty Registry of Slovenia- RES

Registry Holder: Valdoltra Orthopaedic Hospital

November 2021



Registry completeness: 93 % of all Primary and Revision Hip Replacements in Slovenia

Year	Primary Total HR	Primary Partial HR	Revision HR	Total
2020	3075	552	305	3936

Demographic data:

Surgery 2020	Average Age($\pm$ SD)	Men (%)	Women (%)	Right (%)	Left (%)
Primary Total HR	68 ($\pm$ 11)	46	54	54	46
Primary Partial HR	83 ($\pm$ 8)	30	70	48	52
Revision HR	73 ($\pm$ 11)	39	61	55	45

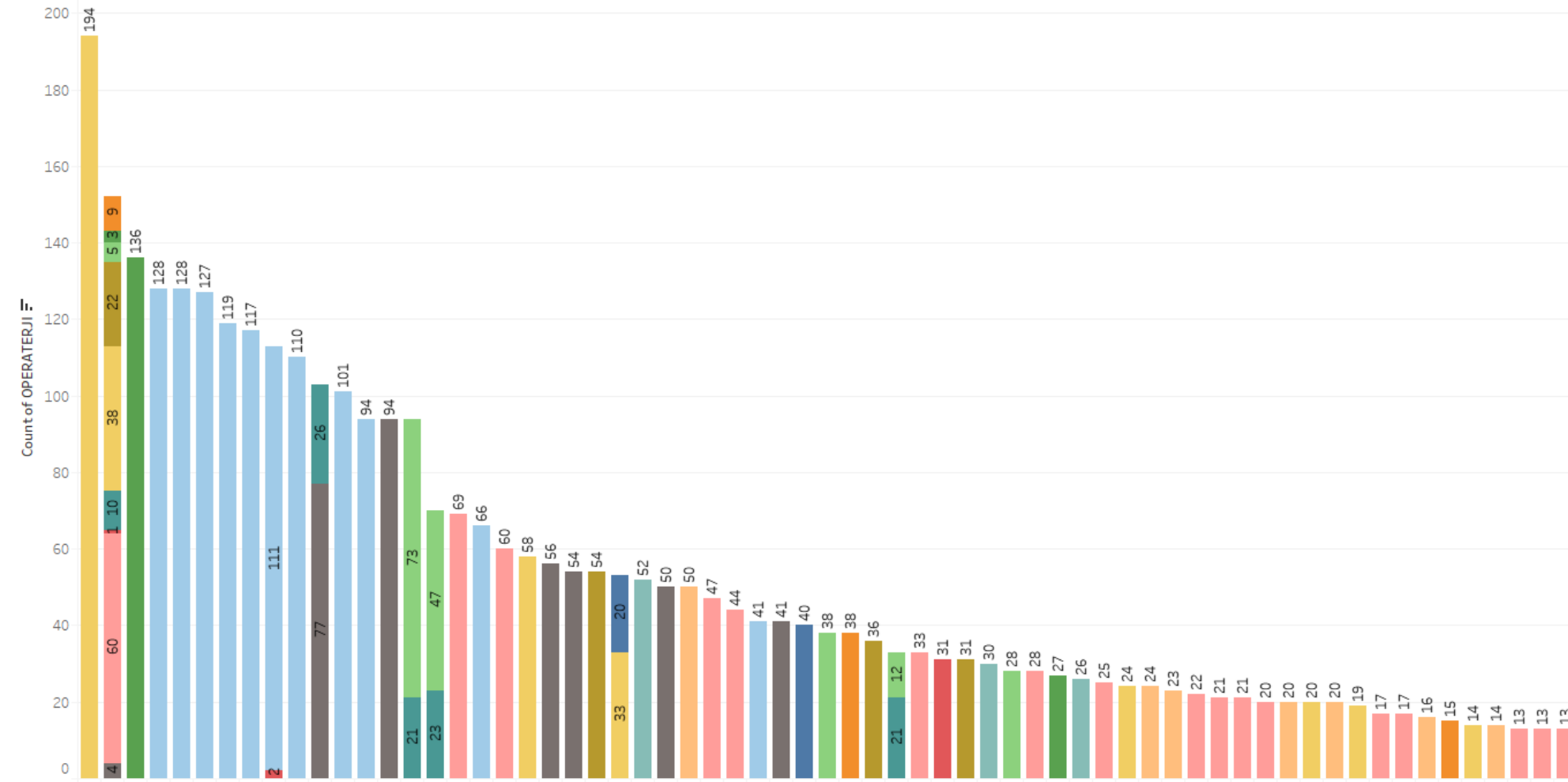
N° of operations per surgeon (primary and revision)

OPERATERJI

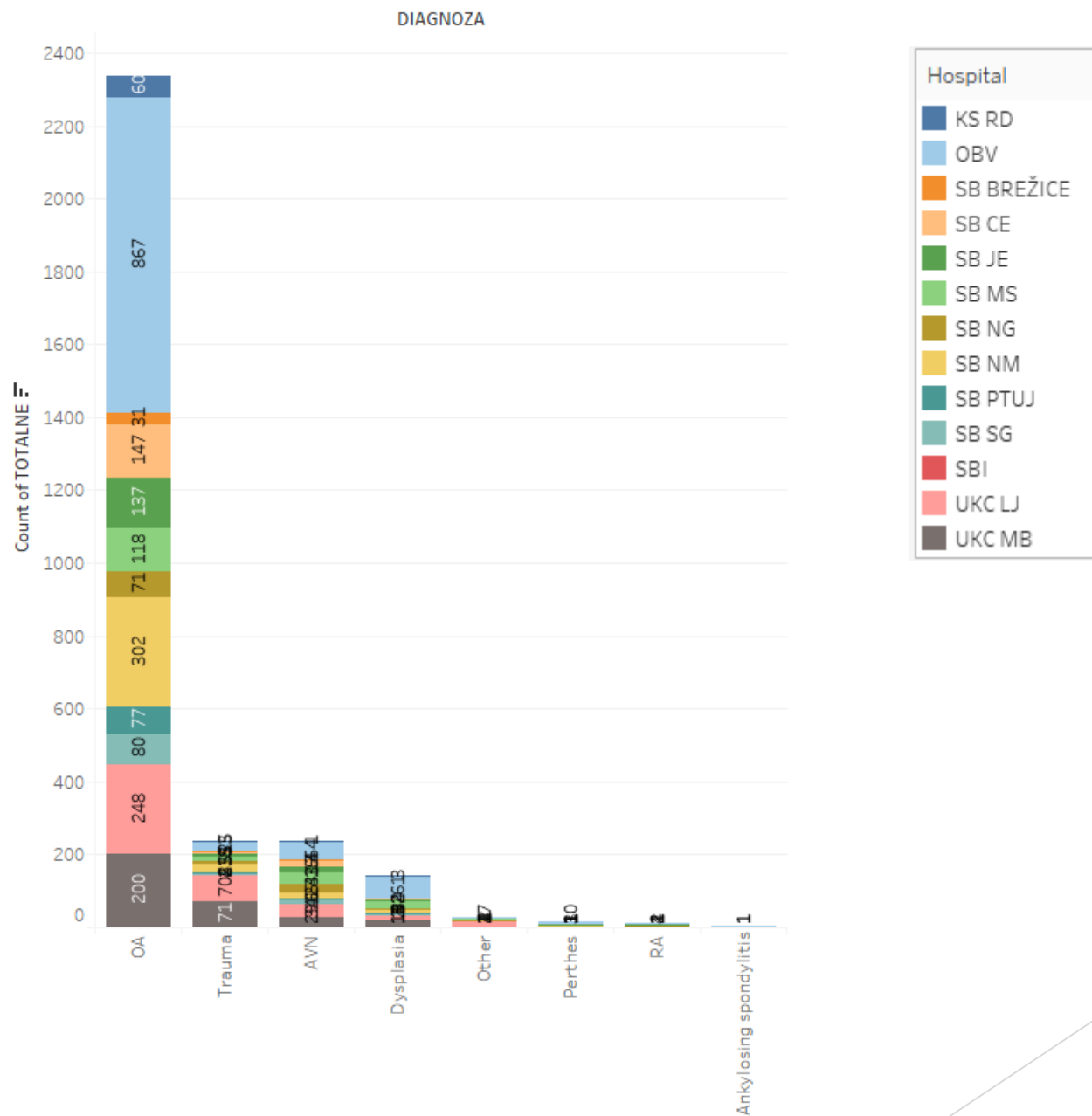
OPERATER-št

Hospital

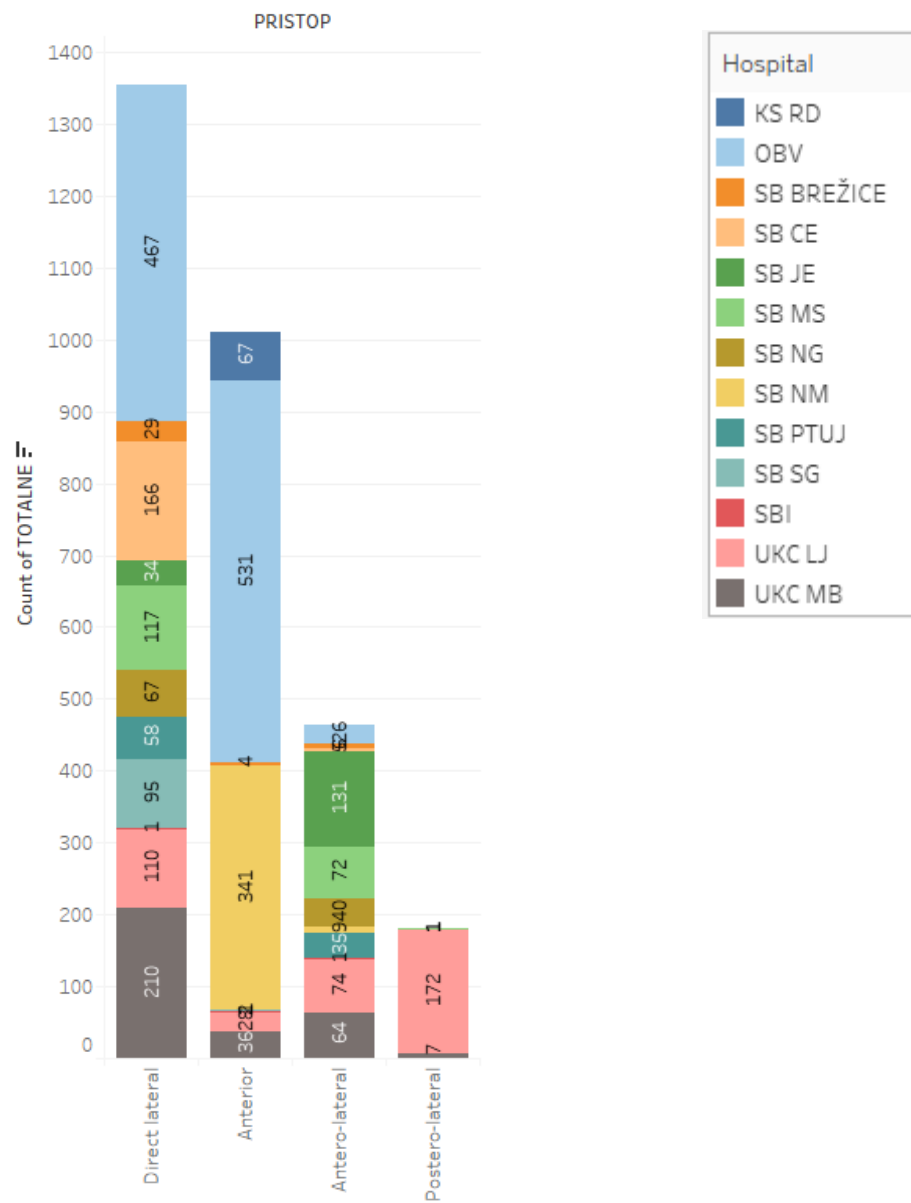
- KS RD
- OBV
- SB BREŽICE
- SB CE
- SB JE
- SB MS
- SB NG
- SB NM
- SB PTUJ
- SB SG
- SBI
- UKC LJ
- UKC MB



THR by preoperative diagnoses



THA approach



Cemented THA 2019-20

Cemented	180	2	1,11%
Lubinus SPII-LINK:IP Cup, PE-LINK	94	2	2,13%
CoP	63	2	3,17%
MoP	31		
Lubinus SPII-LINK:IP Cup, XPE-LINK	29		
MoXP	29		
Lubinus SPII-LINK:Muller cem-MERETE MEDICAL	21		
CoP	19		
MoP	2		
Lubinus SPII-LINK:Polarcup cem-SMITH-NEPHEW	36		
MoP	36		



Combinations with less than 20 cases are not shown.

Hybrid THA 2019-20

Hybrid	48	0
Lubinus SPII-LINK:Allofit-ZIMMER	48	
CoC	3	
CoXP	19	
MoXP	26	



Combinations with less than 20 cases are not shown.

Reverse hybrid THA 2019-20

Reverse hybrid	57	4	7,02%
Apta Fix-ADLER ORTHO:IP Cup, XPE-LINK	36	3	8,33%
CoXP	33	3	9,09%
MoXP	3		
EcoFit-IMPLANTCAST:Polarcup cem-SMITH-NEPHEW	21	1	4,76%
MoP	21	1	4,76%

Combinations with less than 20 cases are not shown.

Uncemented	5988	87	1,45%
Acor-AMPLITUDE:Saturne II Dual Mobility-AMPLITUDE	46		
CoP	9		
MoP	37		
Alloclassic-ZIMMER:Allofit IT-ZIMMER	113	1	0,88%
CoC	98	1	1,02%
CoXP	6		
MoXP	9		
Alloclassic-ZIMMER:Allofit-ZIMMER	1338	20	1,49%
CoC	26	1	3,85%
CoP	24		
CoXP	749	12	1,60%
MoP	18		
MoXP	521	7	1,34%
Apta Fix-ADLER ORTHO:Fixa Larus-ADLER ORTHO	425	15	3,53%
CoXP	396	13	3,28%
MoXP	29	2	6,90%
C2-LIMA:Delta PF-LIMA	53	1	1,89%
CoC	1		
CoXP	44	1	2,27%
MoXP	8		

Uncemented THA 2019-20 1st part



Combinations with less than 20 cases are not shown.

Uncemented THA 2019-20

2nd part

CBH-MATHYS:RM Vitamys-MATHYS	72		
CoXP	49		
MoXP	23		
Corail-DePuy:Pinnacle-DePuy	1217	15	1,23%
CoC	48		
CoXP	712	12	1,69%
MoP	2		
MoXP	455	3	0,66%
EcoFit-IMPLANTCAST:EcoFit Epore-IMPLANTCAST	180	8	4,44%
CoP	92	6	6,52%
CoXP	82	2	2,44%
MoP	3		
MoXP	3		
Evok-AMPLITUDE:Freeliner-EVOLUTIS	137	1	0,73%
CoC	2		
CoXP	135	1	0,74%
CoP	4		
CoXP	3		
Evok-AMPLITUDE:Pinnacle-DePuy	88	2	2,27%
CoC	1		
CoXP	73	1	1,37%
MoXP	14	1	7,14%
Evok-AMPLITUDE:Saturne II Dual Mobility-AMPLITUDE	240	3	1,25%
CoP	154	2	1,30%
MoP	86	1	1,16%

Combinations with less than 20 cases are not shown.



Uncemented THA 2019-20

3rd part

Exeption-BIOMET:Avantage cementless-BIOMET	111	2	1,80%
CoP	15		
MoP	95	2	2,11%
MoXP	1		
Exeption-BIOMET:G7-BIOMET	37	2	5,41%
CoP	31	1	3,23%
CoXP	5	1	20,00%
MoXP	1		
H-MAX S-LIMA:Delta PF-LIMA	979	5	0,51%
CoC	99	1	1,01%
CoP	1		
CoXP	626	2	0,32%
MoXP	253	2	0,79%
H-MAX S-LIMA:Delta TT-LIMA	24		
CoXP	16		
MoXP	8		
Minima S-LIMA:Delta PF-LIMA	24	1	4,17%
CoXP	24	1	4,17%
Quadra-H-MEDACTA:Versafit CC Trio-MEDACTA	38	2	5,26%
CoXP	10		
MoXP	28	2	7,14%

Combinations with less than 20 cases are not shown.

Uncemented THA 2019-20 4th part

SL-PLUS-SMITH-NEPHEW:R3-SMITH-NEPHEW	25		
CoP	4		
CoXP	21		
Taperloc Complete Microplasty-BIOMET:Allofit-ZIMMER	164	2	1,22%
CoC	5		
CoXP	158	2	1,27%
MoXP	1		
Taperloc Complete Microplasty-BIOMET:Delta PF-LIMA	29		
CoC	5		
CoXP	20		
MoXP	4		
Taperloc Complete Microplasty-BIOMET:G7-BIOMET	23		
CoC	4		
CoP	19		
Taperloc Complete Microplasty-BIOMET:Allofit IT-ZIMMER	38		
CoC	14		
CoXP	24		
Taperloc Complete Microplasty-BIOMET:Allofit-ZIMMER	150	2	1,33%
CoXP	123		
MoXP	27	2	7,41%
Taperloc Complete Microplasty-BIOMET:Delta PF-LIMA	34		
CoC	14		
CoXP	18		
MoXP	2		
Taperloc Complete Microplasty-BIOMET:G7-BIOMET	32		
CoC	11		
CoP	13		
CoXP	8		

Taperloc Complete-BIOMET:Allofit-ZIMMER	145	2	1,38%
CoP	35		
CoXP	105	2	1,90%
MoP	2		
MoXP	3		
Taperloc Complete-BIOMET:G7-BIOMET	31	2	6,45%
CoC	2		
CoP	18	2	11,11%
CoXP	9		
MoXP	2		
Tri-Lock-DePuy:Pinnacle-DePuy	104	1	0,96%
CoC	7		
CoXP	60	1	1,67%
MoXP	37		
TwinSys-MATHYS:RM Vitamys-MATHYS	91		
CoXP	90		
MoXP	1		

Combinations with less than 20 cases are not shown.

[-] Taperloc Complete Microplasty-BIOMET:Allofit IT-ZIMMER	14		
CoXP	11		
MoXP	3		
[-] Taperloc Complete Microplasty-BIOMET:Allofit-ZIMMER	164	2	1,22%
CoC	5		
CoXP	158	2	1,27%
MoXP	1		
[-] Taperloc Complete Microplasty-BIOMET:Continuum-ZIMMER	5		
CoXP	5		
[-] Taperloc Complete Microplasty-BIOMET:Delta PF-LIMA	29		
CoC	5		
CoXP	20		
MoXP	4		
[-] Taperloc Complete Microplasty-BIOMET:G7-BIOMET	23		
CoC	4		
CoP	19		
[-] Taperloc Complete Microplasty-BIOMET:Pinnacle Gription-DePu	1		
MoXP	1		
[-] Taperloc Complete Microplasty-BIOMET:Pinnacle Porocoat-DePu	2		
CoXP	2		
[-] Taperloc Complete Microplasty-BIOMET:Allofit IT-ZIMMER	38		
CoC	14		
CoXP	24		
[-] Taperloc Complete Microplasty-BIOMET:Allofit-ZIMMER	150	2	1,33%
CoXP	123		
MoXP	27	2	7,41%
[-] Taperloc Complete Microplasty-BIOMET:Continuum-ZIMMER	5		
CoC	1		
CoXP	4		
[-] Taperloc Complete Microplasty-BIOMET:Delta PF-LIMA	34		
CoC	14		
CoXP	18		
MoXP	2		
[-] Taperloc Complete Microplasty-BIOMET:G7-BIOMET	32		
CoC	11		
CoP	13		
CoXP	8		
[-] Taperloc Complete Microplasty-BIOMET:Pinnacle Porocoat-DePu	5		
CoXP	5		

Uncemented
THA 2019-20
5th part

[-] Taperloc Complete-BIOMET:Allofit IT-ZIMMER	2		
CoXP	2		
[-] Taperloc Complete-BIOMET:Allofit-ZIMMER	145	2	1,38%
CoP	35		
CoXP	105	2	1,90%
MoP	2		
MoXP	3		
[-] Taperloc Complete-BIOMET:Avantage cementless-BIOMET	1		
MoP	1		
[-] Taperloc Complete-BIOMET:Continuum-ZIMMER	1		
CoXP	1		
[-] Taperloc Complete-BIOMET:Freeliner-EVOLUTIS	2		
CoXP	2		
[-] Taperloc Complete-BIOMET:G7-BIOMET	31	2	6,45%
CoC	2		
CoP	18	2	11,11%
CoXP	9		
MoXP	2		
[-] Taperloc Complete-BIOMET:Pinnacle Porocoat-DePuy	11		
CoXP	10		
MoXP	1		
[-] Tri-Lock-DePuy:Freeliner-EVOLUTIS	1		
CoXP	1		
[-] Tri-Lock-DePuy:G7-BIOMET	1		
CoXP	1		
[-] Tri-Lock-DePuy:Pinnacle Gription-DePuy	10		
CoC	2		
CoXP	7		
MoXP	1		
[-] Tri-Lock-DePuy:Pinnacle Porocoat-DePuy	94	1	1,06%
CoC	5		
CoXP	53	1	1,89%
MoXP	36		
[-] TwinSys-MATHYS:RM Vitamys-MATHYS	91		
CoXP	90		
MoXP	1		
[-] Wagner Revision-ZIMMER:Allofit-ZIMMER	4		
MoXP	4		

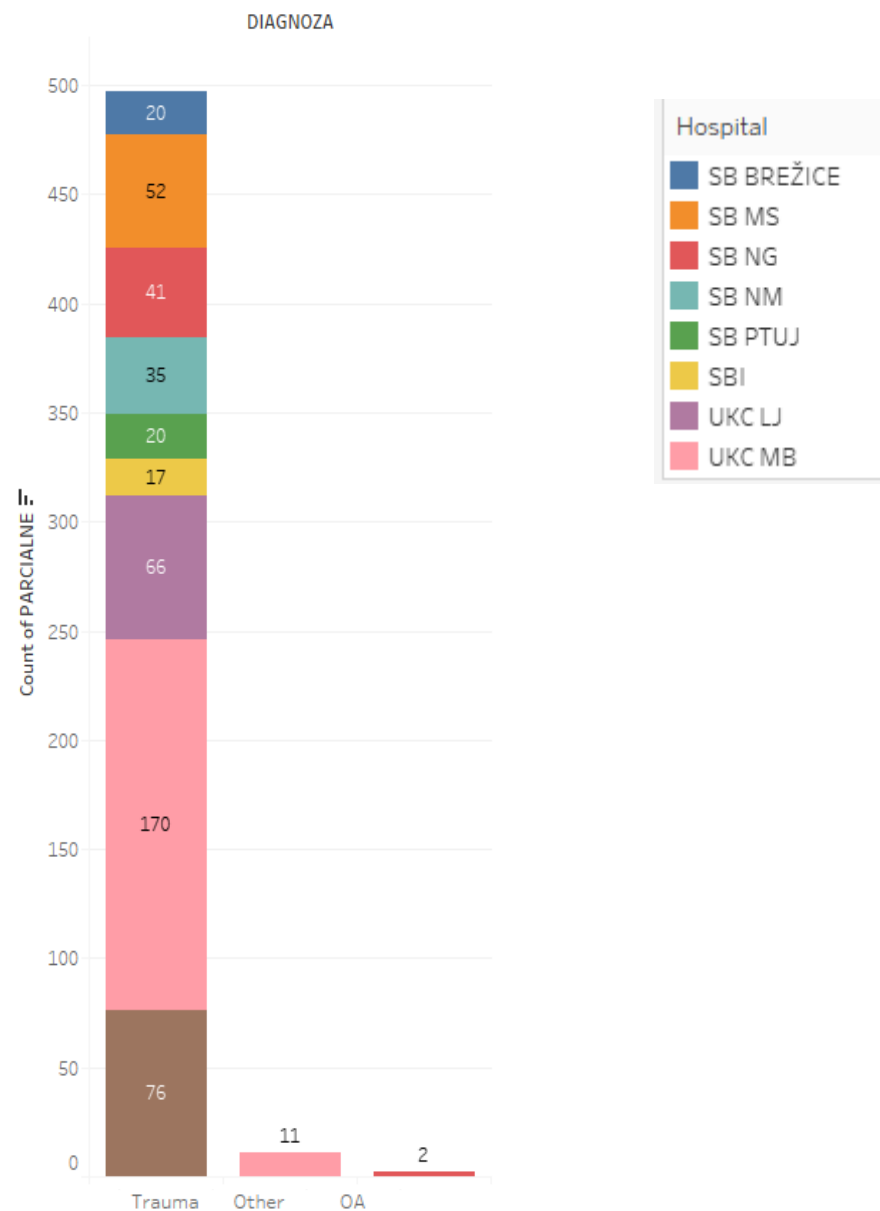
TOTAL 2019-20

Skupna vsota

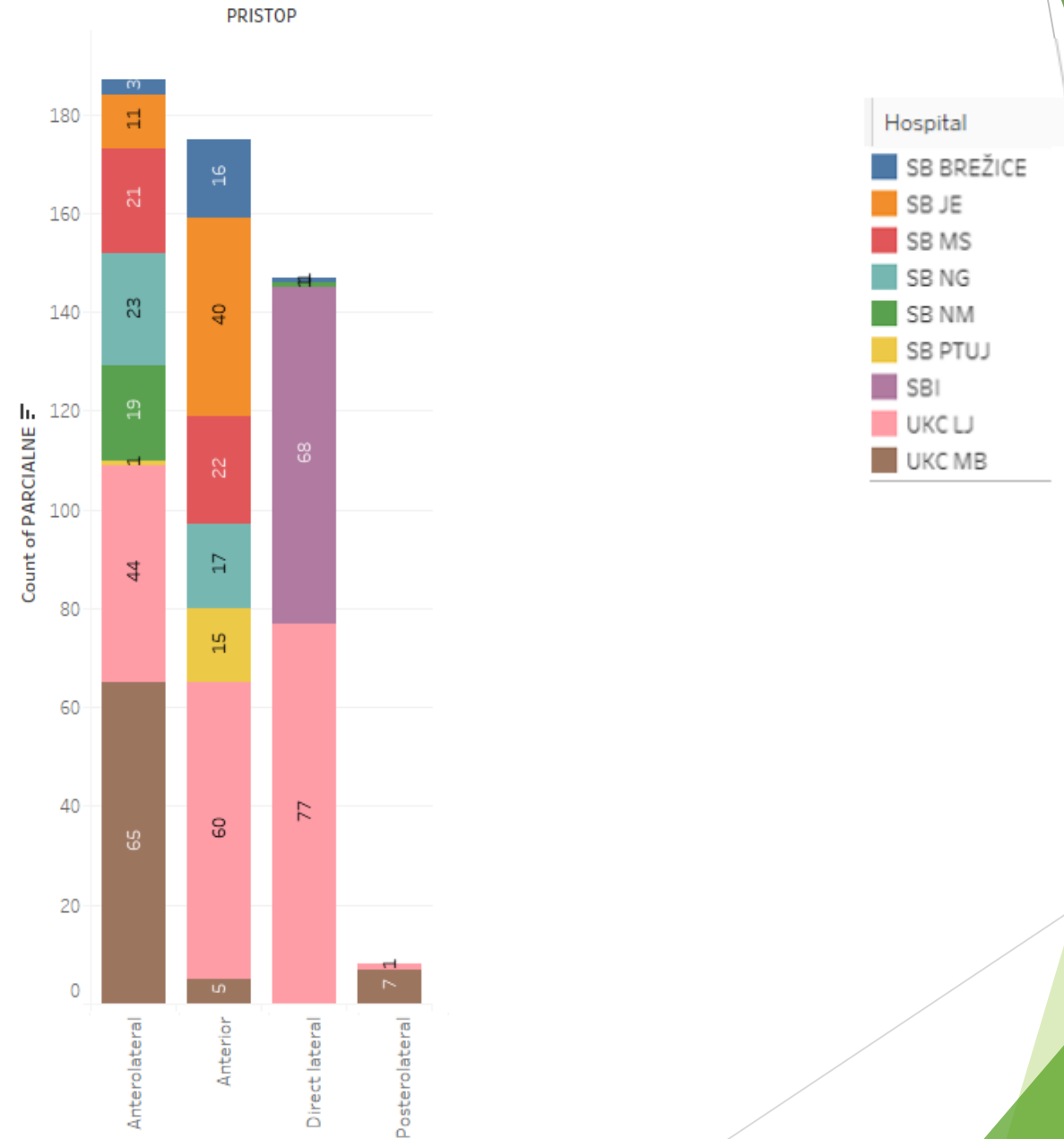
Register endoprotetike

6753 104 1,54%

Partial HR by preoperative diagnoses



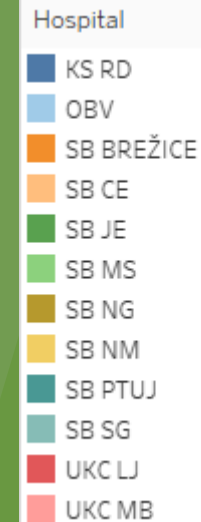
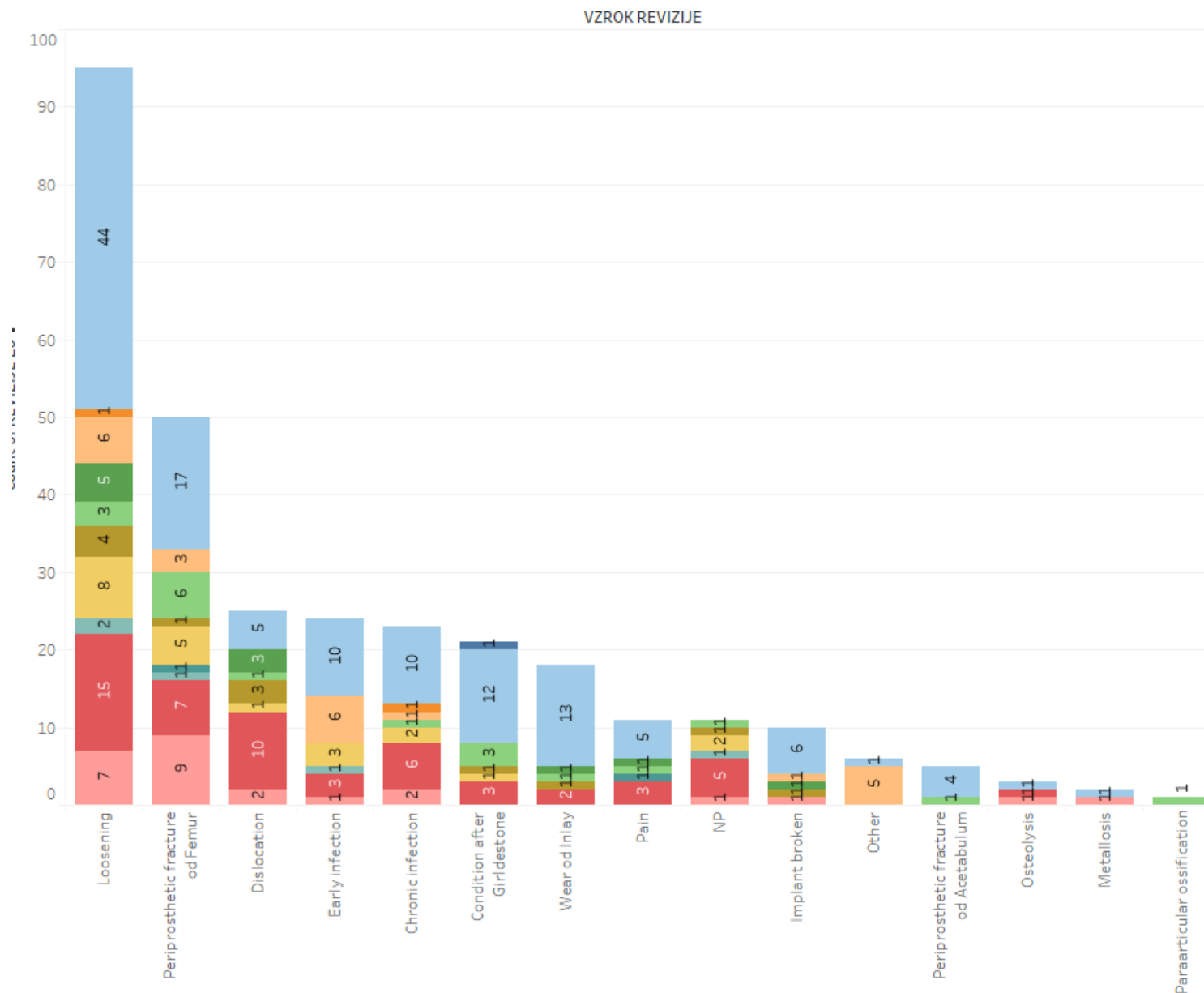
Partial HA - approach



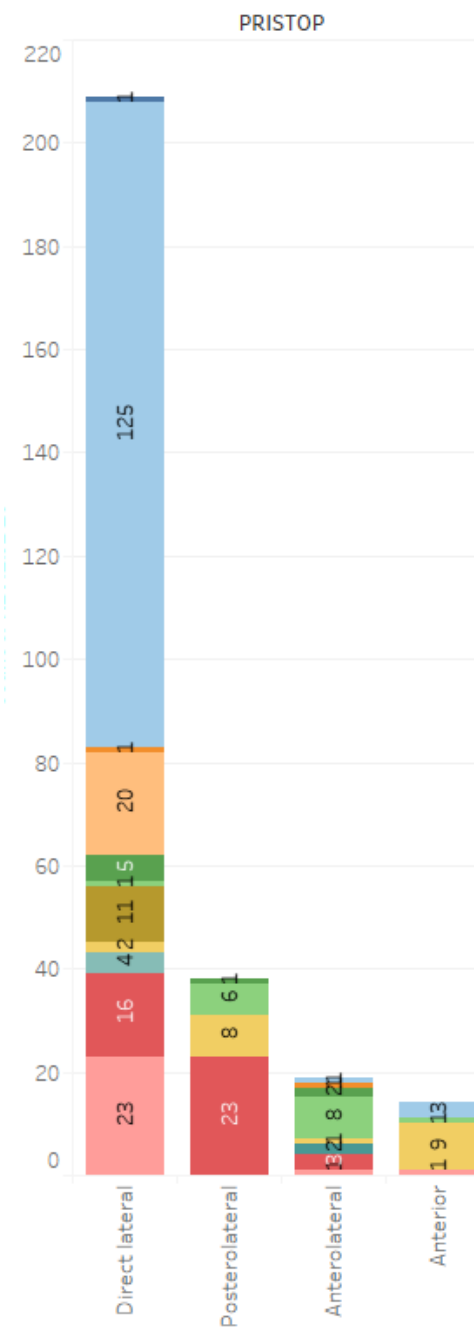
Partial HA 2019-20

Oznake vrstic	Štetje od STEM+PROIZVAJALEC	Štetje od REVIZIJA	
cemented	771	9	1,17%
Biocontact-Aesculap	9		
CCA SS-MATHYS	25	1	4,00%
CL Revision-LIMA	2	1	50,00%
EcoFit cem-IMPLANTCAST	69	1	1,45%
Exeption-BIOMET	47		
H-MAX C-LIMA	93	2	2,15%
Lubinus SPII-LINK	25	1	4,00%
Muller-MERETE MEDICAL	79		
Quadra-C-MEDACTA	111	1	0,90%
Self Locking Cemented-SURGIVAL	118	1	0,85%
SELFLOCKING-SURGIVAL	8		
SL cem-LIMA	185	1	0,54%
uncemented	204	4	1,96%
Alloclassic Revision-ZIMMER	3		
C2-LIMA	6		
CBH-MATHYS	8		
EcoFit-IMPLANTCAST	91	2	2,20%
Exeption-BIOMET	4		
H-MAX S-LIMA	85	2	2,35%
TwinSys-MATHYS	5		
Wagner Revision-ZIMMER	2		
Skupna vsota	975	13	1,33%

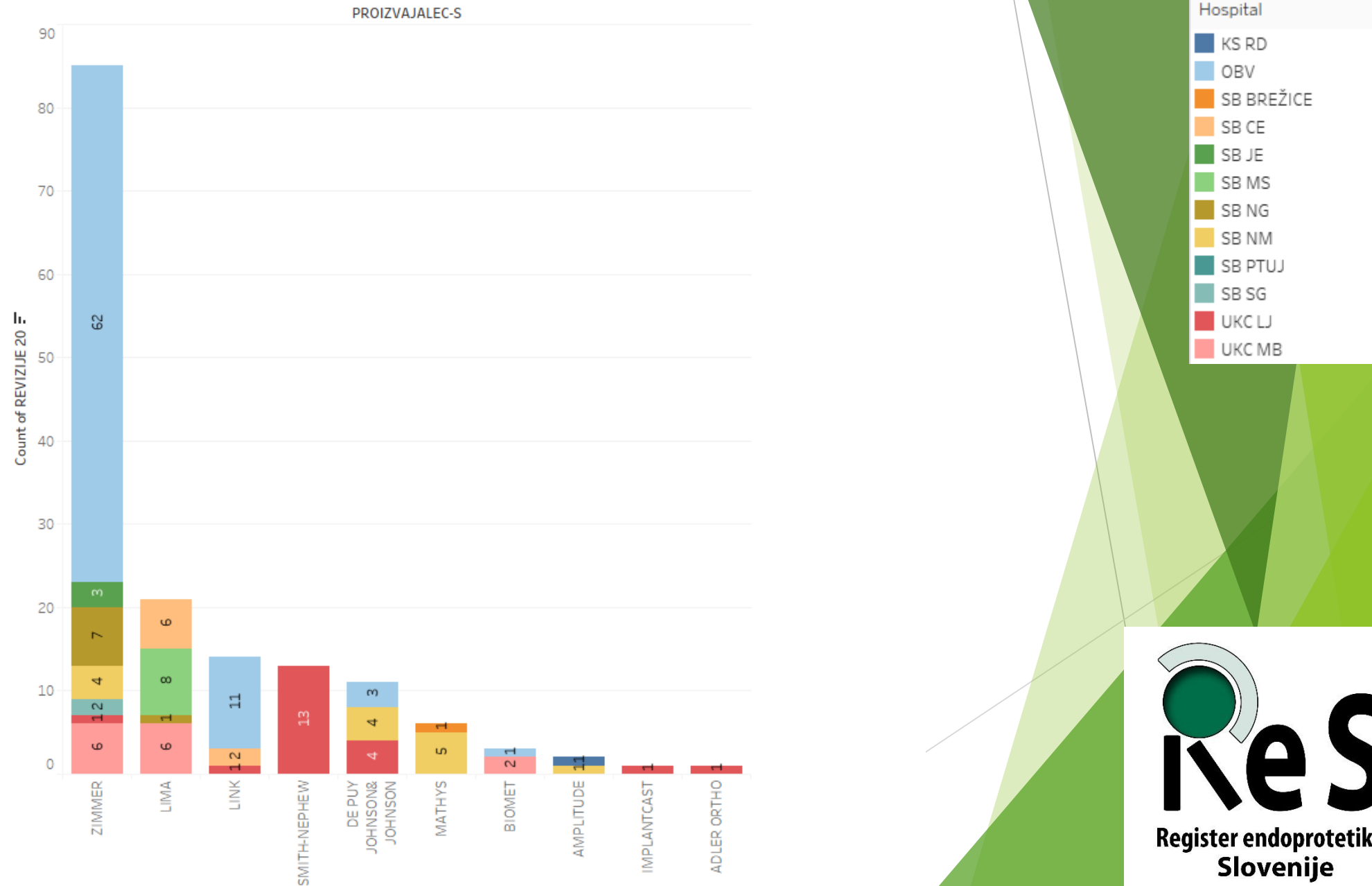
Reasons for revision HR, sum 504



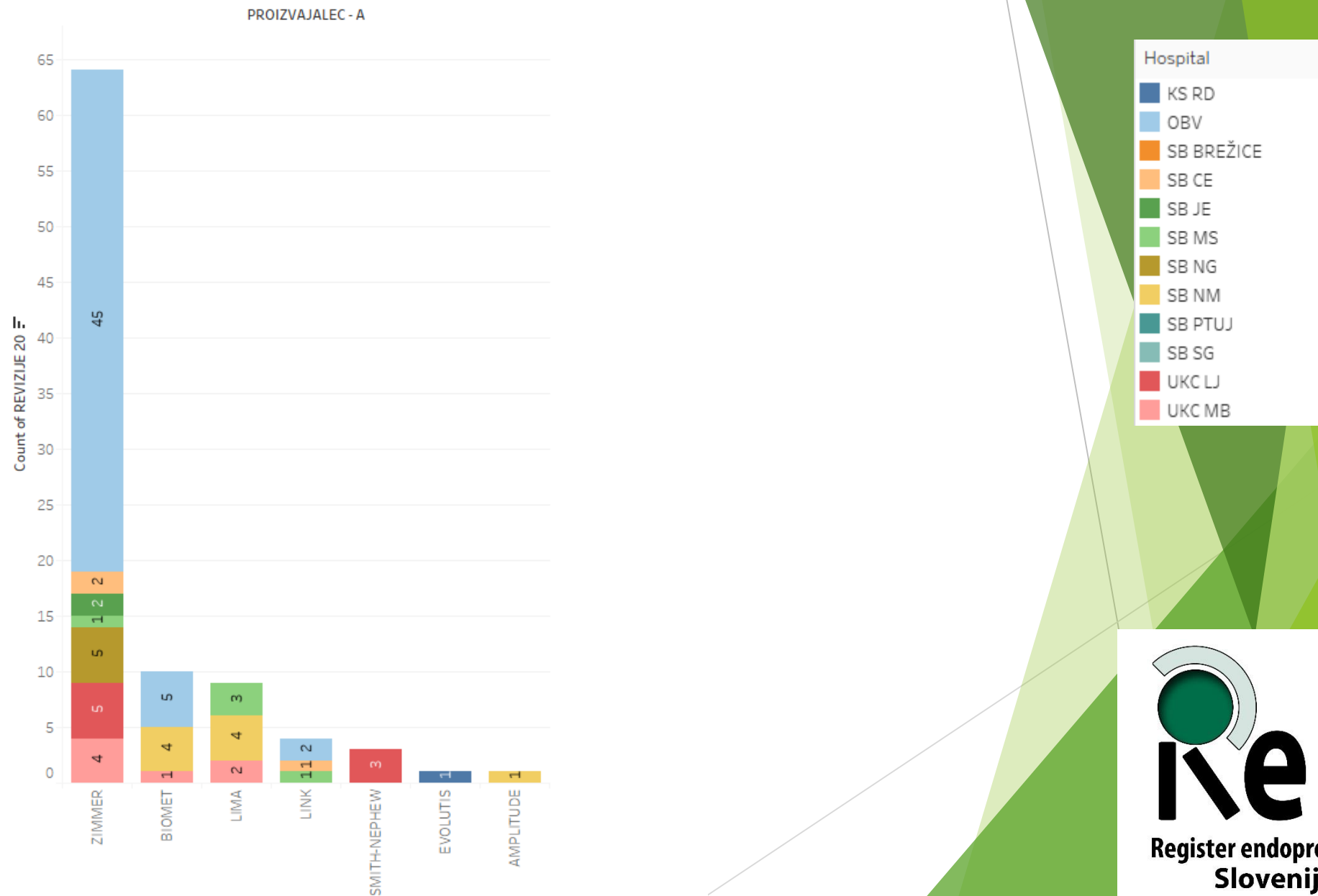
Revision HR - approach



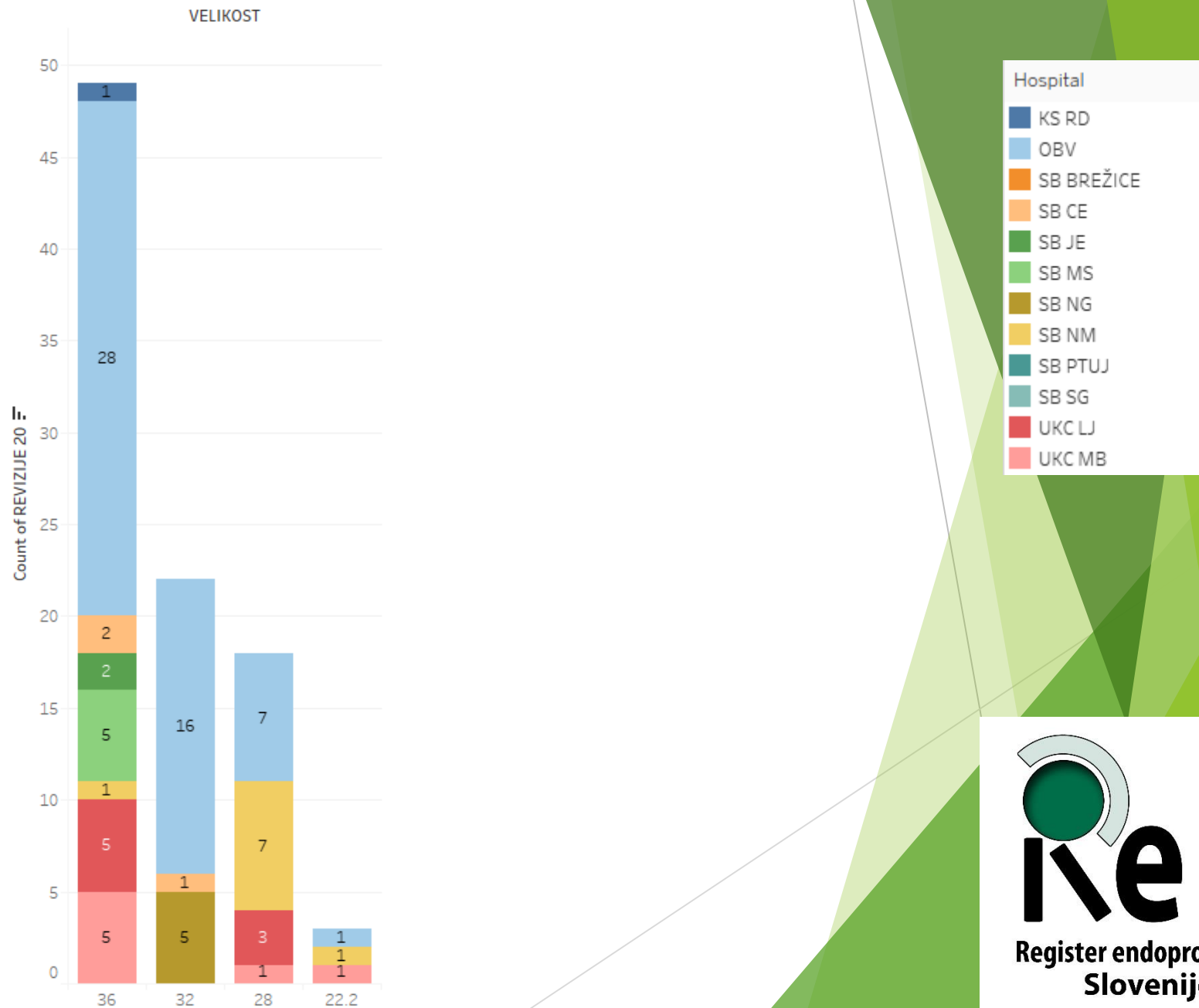
Revision HR - implanted stems by manufacturer



Revision HR - implanted acetabulum by manufacturer



Revision HR - implanted femoral heads by size



Thank you!

<https://www.ob-valdolta.si/sl/international>