

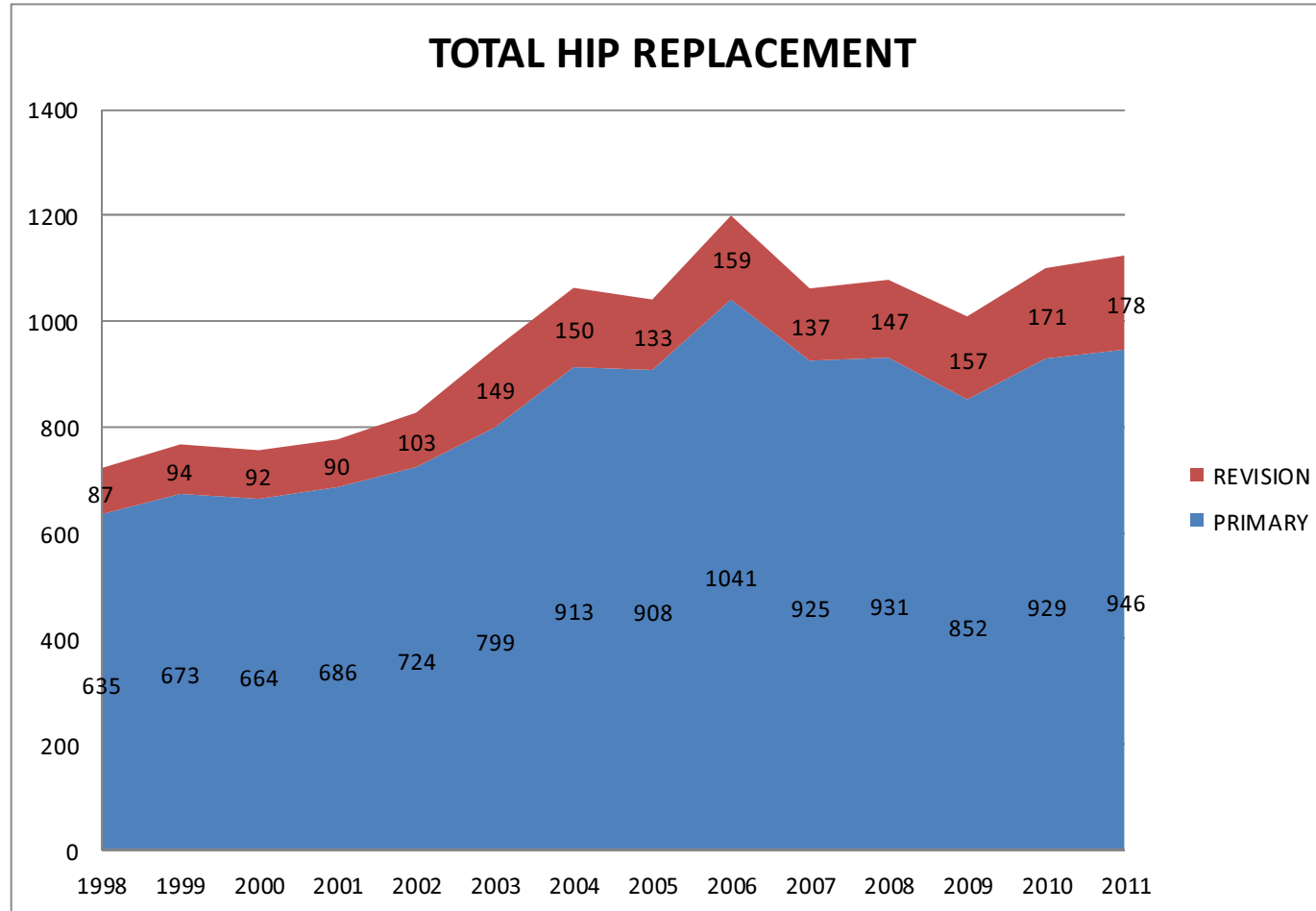


## Valdoltra Hip Arthroplasty Register 2002 - 2011

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Ankaran, Slovenia, 28th of September 2012

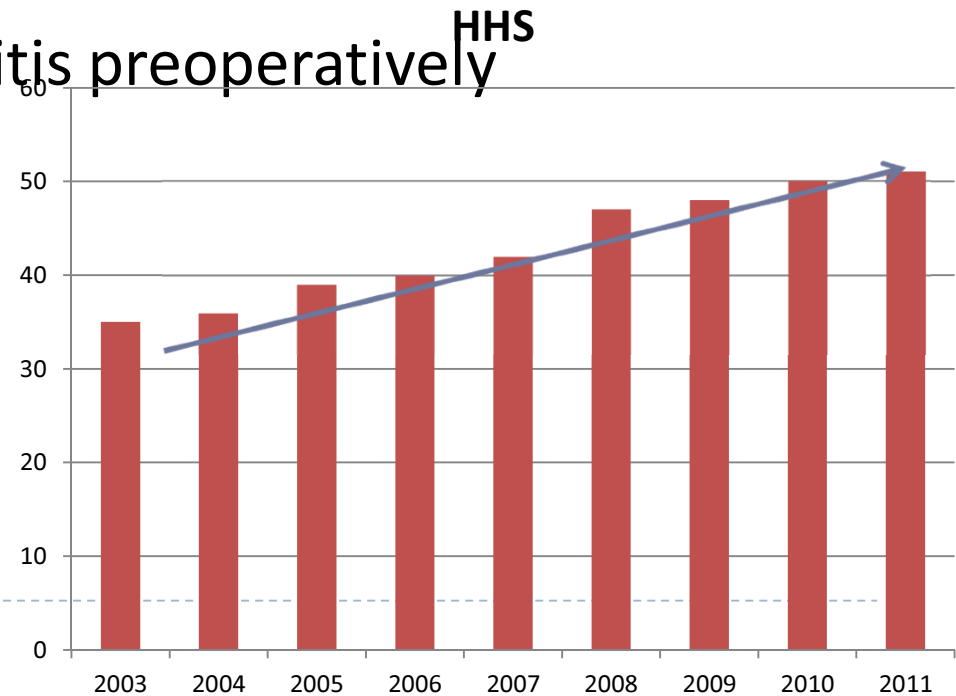
# Primary and revision THR by year



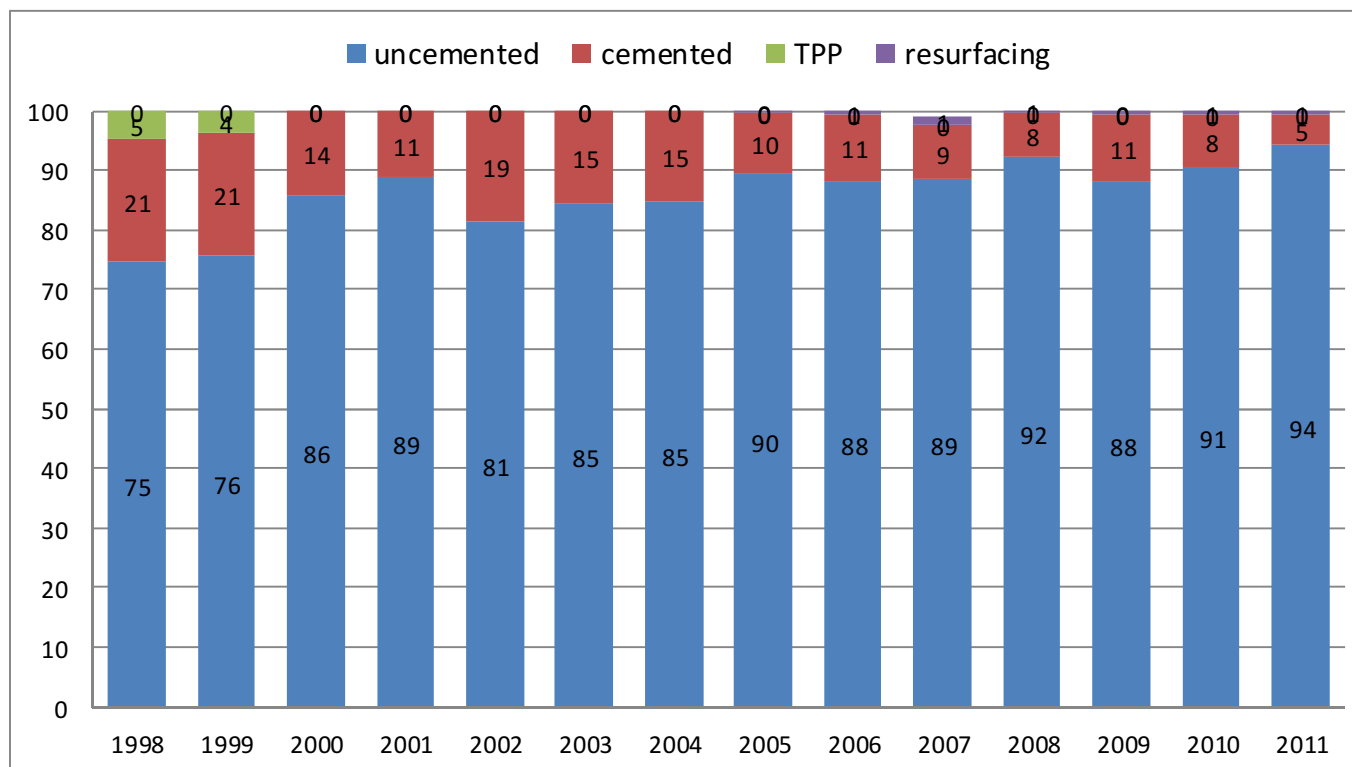
# Patient data

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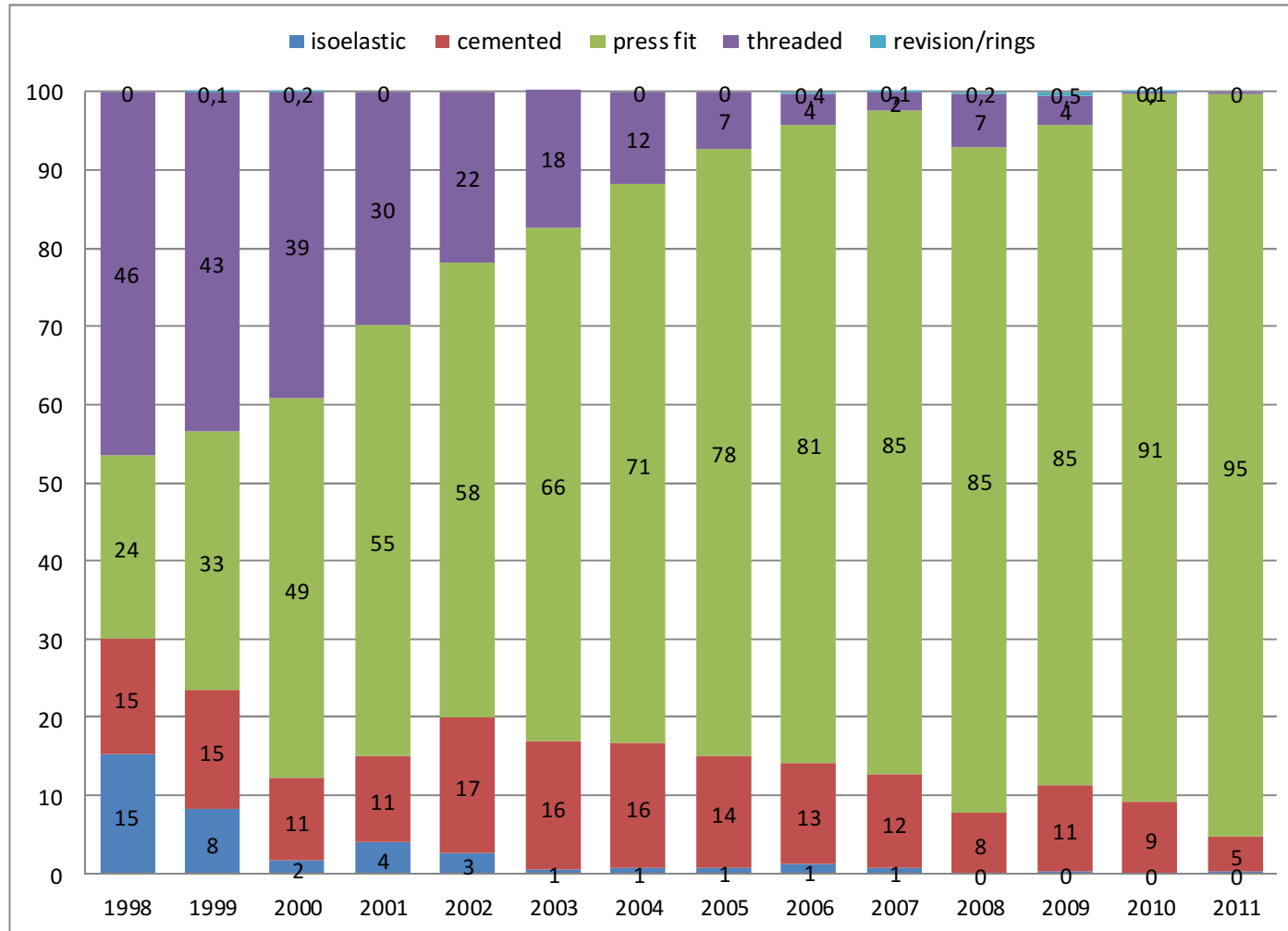
- men to women = 40% to 60%
- avg age = 63 y and 68 y respectively
- right to left hip = 53% to 47%
- 76% overweight or obese (BMI > 25)
- 80 % primary osteoarthritis preoperatively
- preoperative HHS raises



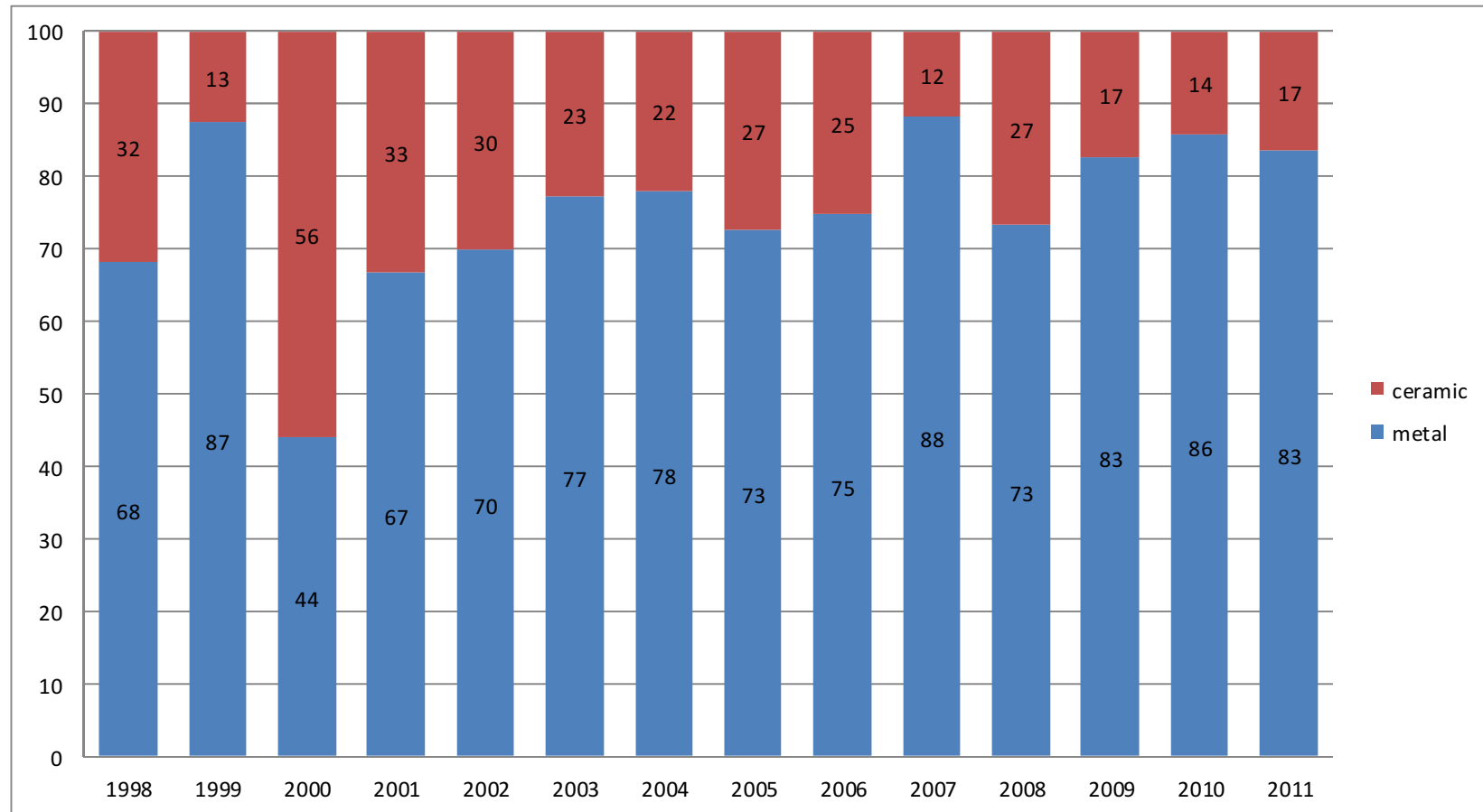
## Cemented, uncemented stems, trust-plate and resurfacing prostheses 1998 - 2011



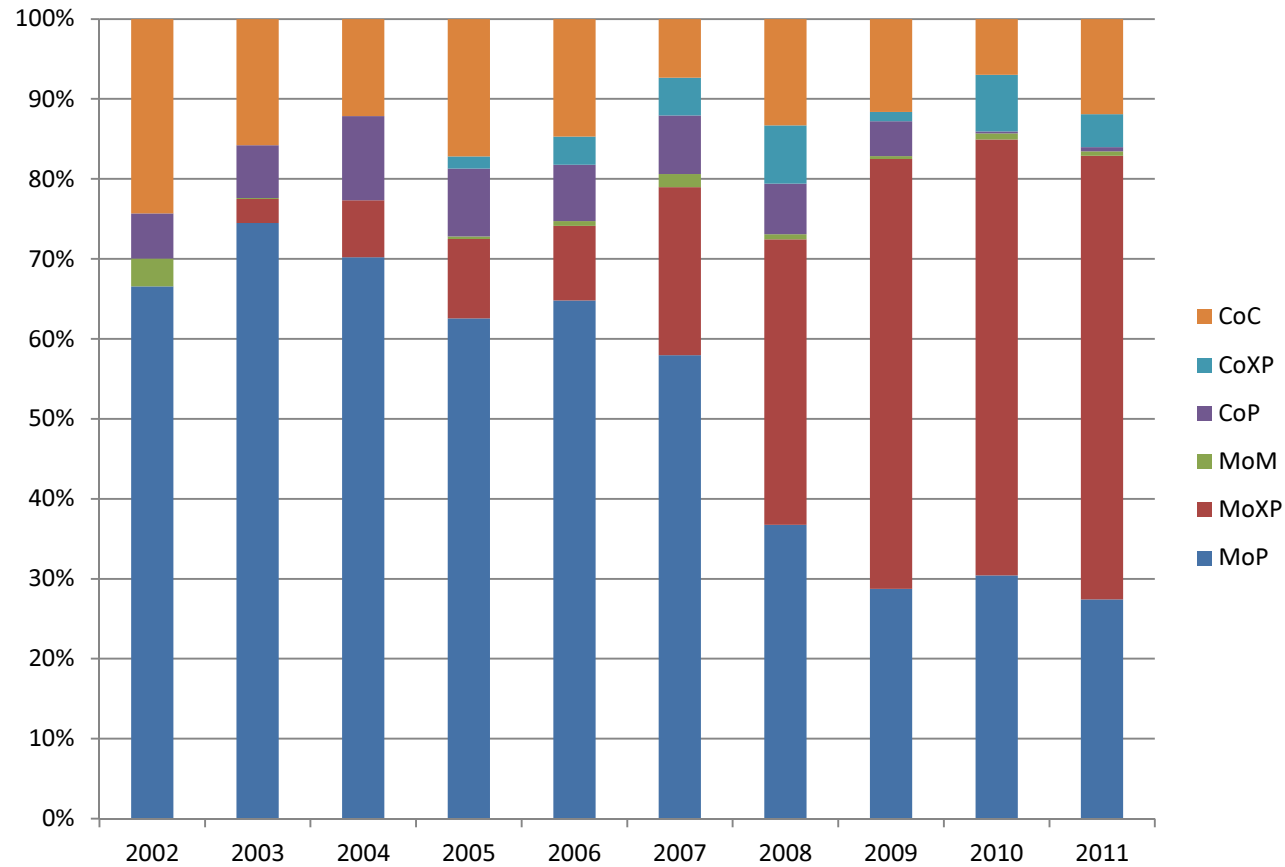
# Primary cups by fixation 1998 - 2011



## Percentage of metal and ceramic heads 1998 - 2011



# Bearing surface



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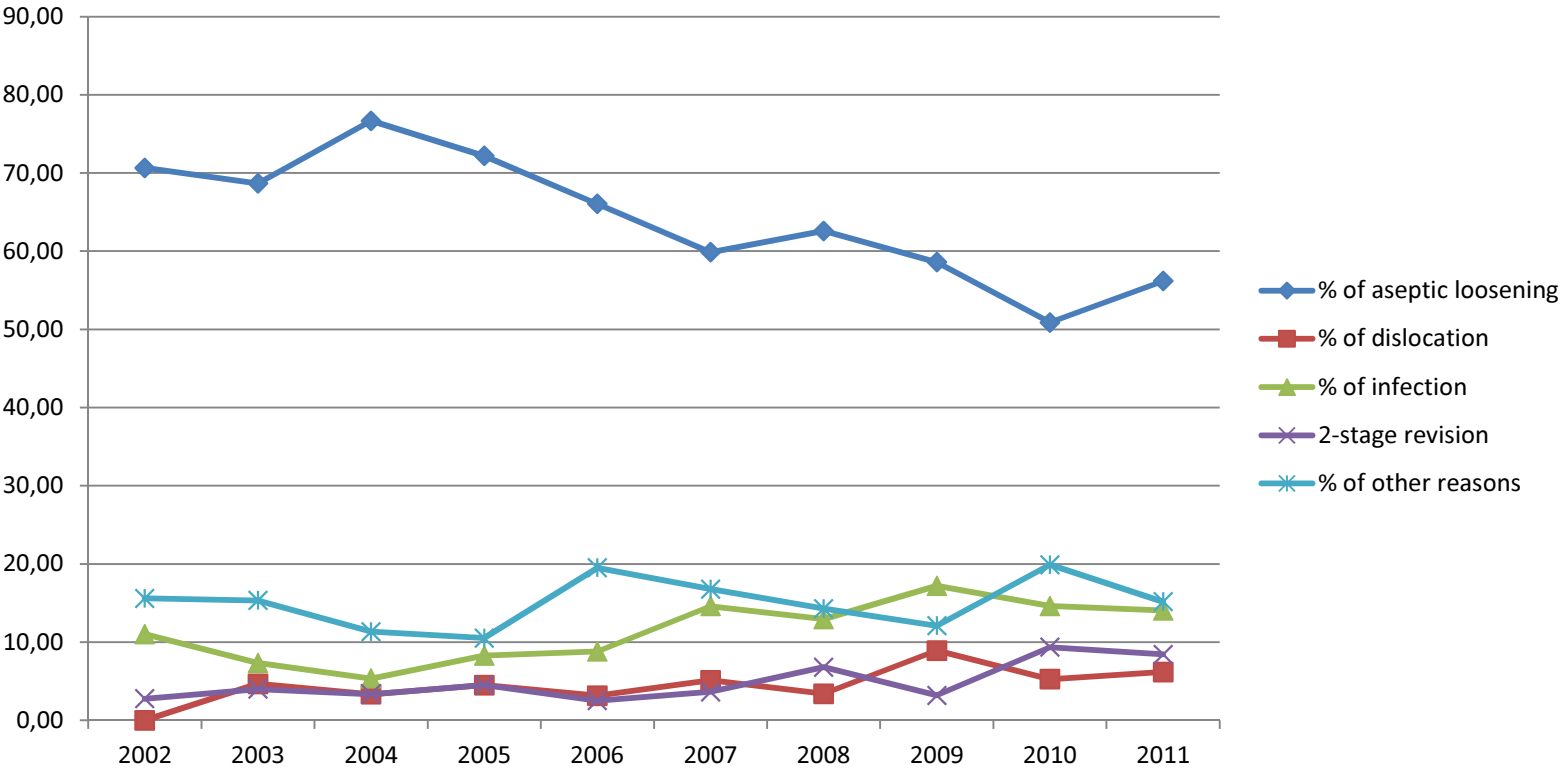
## Revision operations

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# Reasons for revision THR from 2002 to 2011



# Revision rate for Valdoltra Orthopedic Hospital

	No of revisions x 100/(No of primary + No of revision THR)	No of revisions for deep infection x 100/(No of primary + No of revision THR)
2002	11,03 %	1,32 %
2003	12,64 %	0,63 %
2004	11,48 %	0,66 %
2005	11,05 %	0,67 %
2006	11,17 %	1,17 %
2007	11,96 %	1,60 %
2008	11,97 %	1,02 %
2009	13,78 %	1,68 %
2010	13,18 %	1,55 %
2011	13,17 %	1,51 %
average	12,14 %	1,18 %
Sweden 10	10,4 %	0,87 %

# Revisions per 100 observed component years

Year	Follow up period (years)	Revision rate	Number primary cases	Number of all revisions	Number revisions in this FU period	Revision rate for revisions in this FU period	Observed component years	Revisions per 100 observed component years
2002	1,00	12,47	723	103	10	1,21	723	1,38
2003	2,00	14,02	1552	253	29	1,61	3104	0,93
2004	3,00	14,05	2465	403	45	1,57	7395	0,61
2005	4,00	13,71	3373	536	62	1,59	13492	0,46
2006	5,00	13,60	4414	695	97	1,90	22070	0,44
2007	6,00	13,48	5339	832	135	2,19	32034	0,42
2008	7,00	13,51	6270	979	193	2,66	43890	0,44
2009	8,00	13,76	7122	1136	257	3,11	56976	0,45
2010	9,00	13,97	8051	1307	342	3,65	72459	0,47
2011	10,00	14,17	8997	1485	430	4,10	89970	0,48

## Revision rate for femoral stems from 2002 to 2011

Name	All primary stems	Explanted primary stems	% revision
cem SP Lubinus Link	590	1	0,17
Corail Jo&J	494	1	0,20
Varial Alloclassic Zimmer	1681	15	0,89
C2 LIMA	199	2	1,01
Versys Zimmer	1017	15	1,47
ZM Endoplus	2676	41	1,53
Profemur Z Cremascoli	1062	19	1,79
AHS Cremascoli	86	2	2,33
Elite Plus Jo&J	76	2	2,63
ribbed LINK	135	4	2,96
Copf (Chendo+Unior)	127	4	3,15
Pipino FP LINK	69	3	4,35
cem Metabloc Zimmer	17	1	5,88

## Revision rate for acetabular components from 2002 to 2011

Name	All primary acetabular components	Explanted primary acet.	% revision
press fit Duraloc Jo&J	388		0,00
press fit Delta Lima	212		0,00
press fit Pinnacle Sector	238		0,00
<b>cem Ultima Jo&amp;J</b>	60		0,00
<b>cem IP Link</b>	256	1	0,39
press fit Allofit Zimmer	2472	13	0,53
press fit RM Mathys	164	1	0,61
press fit Trilogy Zimmer	1709	13	0,76
press fit MPF Endoplus	212	2	0,94
<b>cem Apollo Biomet</b>	174	2	1,15
press fit Procoty Wright	148	2	1,35
<b>cem Surgival</b>	105	2	1,90
press fit ANCA Crem	37	1	2,70
press fit Pipino CFP Link	444	13	2,93
<b>cem LIMA</b>	339	10	2,95
press fit EHS-E Wright	317	10	3,15
<b>cem Durasul Zimmer</b>	56	2	3,57
threaded Bicon Endoplus	619	25	4,04
press fit SPH Lima	46	2	4,35
press fit DOETZ Endoplus	515	31	6,02
isoelastic Mathys	55	5	9,09

HVALA! Thank you!



Research department of Valdoltra Orthopedic Hospital