

## Supplementary data

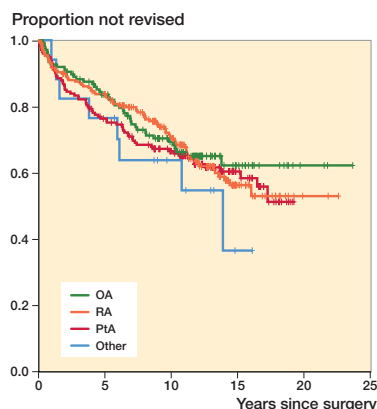


Figure 5. Estimated cumulative prosthetic survival per diagnosis. Number of patients still at risk of experiencing the primary endpoint and prosthetic survival with 95% CI per 5-year period are indicated in the life table.

Years since surgery:	5	10	15	20
Posttraumatic arthritis (PtA) (n = 441)				
Number at risk	243	106	31	
TAR survival	0.82	0.73	0.65	
CI	0.78–0.86	0.68–0.78	0.57–0.73	
Rheumatoid arthritis (RA) (n = 401)				
Number at risk	257	134	25	2
TAR survival	0.87	0.73	0.57	
CI	0.84–0.91	0.68–0.79	0.47–0.66	
Osteoarthritis (OA) (n = 291)				
Number at risk	163	74	18	3
TAR survival	0.87	0.75	0.69	
CI	0.83–0.91	0.69–0.82	0.59–0.78	
Other <sup>a</sup> (n = 93)				
Number at risk	44	11	1	
TAR survival	.76	0.65		
CI	0.66–0.86	0.48–0.81		

<sup>a</sup> Including hemophilia, hemochromatosis and psoriatic arthritis

Table 4. Prosthetic survival rates from national registries and high volume units

Study	Period of primary surgery	TAR (n)	Follow-up, years		Revisions (n)	TAR survival				
			Mean	Max		5-year	10-year	15-year	20-year	
Registry studies										
Fevang et al. 2007	1994–2005	257	3	12	27	0.89	0.76			
Henricson et al. 2007	1993–2005	531			101	0.78				
Henricson et al. 2011b	1993–2010	780	6	10	168	0.81	0.69			
Skytta et al. 2010	1997–2006	515	3	10	59	0.83				
Hosman et al. 2007	2000–2005	202	2	6	14	0.86				
http://www.nzoa.org.nz	2000–2017	728		11	50		0.83			
Undén et al. 2019 <sup>a</sup>	1993–2016	1,226	7	24	268	0.85	0.74	0.63	0.58	
Non-registry studies										
Barg et al. 2013	2000–2010	722	6	10	61	0.94	0.84			
Bonnin et al. 2011	1997–2000	98	9	11	12		0.85			
Clough et al. 2019	1993–2000	200	16	24	32	0.90	0.83	0.76		
Frigg et al. 2017	1996–2006	50	15	16	12		0.78	0.70	0.55 <sup>b</sup>	
Kerkhoff et al. 2016	1999–2008	134		15	20		0.78			
Koivu et al. 2017a	1997–2002	34		17	15	0.94	0.87	0.64		
Mann et al. 2011	1998–2000	84	9	11	9	0.96	0.90			
Palanca et al. 2018	1998–2000	84	16	18	15			0.73		
Wood and Deakin 2003	1993–2000	200	7	13	24	0.93	0.80			

<sup>a</sup> Current study

<sup>b</sup> At 19 years