

Appendix 2: Details of registries [posted as supplied by author]

Registry Criteria	Kaiser	England & Wales	Australia	Italy (Emilia-Romagna)	New Zealand	CMS data
Registry Elements	<ul style="list-style-type: none"> - Demographics - Co-morbidities - Diagnosis - Implant characteristics - Fixation - Procedures - Surgical approach - Hospital admission and discharge 	Minimum Dataset and additional elements such as BMI <ul style="list-style-type: none"> - Demographics - Diagnosis - Prosthesis Details - ICD codes after linkage with administrative database 	Minimum Dataset <ul style="list-style-type: none"> - Demographics - Diagnosis - Prosthesis Details - ICD 10 Procedure Code 	Minimum Dataset and additional elements such as BMI and prior surgery <ul style="list-style-type: none"> - Demographics - Diagnosis - Prosthesis Details - ICD 10 Procedure Code 	Minimum Dataset and additional elements such as BMI and prior surgery <ul style="list-style-type: none"> - Demographics - Diagnosis - Prosthesis Details - ICD 10 Procedure Code 	-Demographics -ICD-9 code based diagnosis and procedure No prosthesis details but codes for bearing surface
Long-term Outcomes	Revision Death Re-admissions	Revision Death Functional outcomes	Revision Death	Revision Death	Revision Death Functional outcomes	Revision Death
Completeness: % coverage % follow up	>95% coverage across participating KP regions 7.5%-8.3% left KP health plan alive and 3.4%-4.3% deceased	82% average from 2003 to 2010, 98% in 2009 Follow-up will be 100% after linkages	100% National data capture No loss to follow -up	97% National data capture in 2009 Minimal loss to follow -up related to migration	100% National data capture No loss to follow -up	100% coverage 100% follow -up (patient over 65)
Funding/data contribution:	Funded by KP/voluntary contribution	Implant levy, British orthopedic Society/voluntary data	Funded entirely by the Commonwealth Government of Australia/mandatory contribution	Unknown/voluntary contribution	New Zealand Ministry of Health, orthopedic surgeons, Southern Cross Hospitals	CMS/mandatory but high chance of coding errors
% Implants included/ time frame	92% from 2001	Exact % is unknown but most implants	100% from full national data collection in mid 2002	90%+ from full national data collection since 2001	100% from full national data collection since 1999	No implants-only bearing surface data/2004-2008
Risk adjusted estimates in annual reports	Risk adjusted Published paper	Risk adjusted estimates in annual report	Limited risk adjustment	Risk adjusted estimates in annual report	Limited risk adjustment	Risk adjusted Published paper