



Supplementary Material

10.1302/0301-620X.104B9.BJJ-2022-0116.R1

Table i. Diagnosis and procedures codes used to develop periprosthetic joint infection detection algorithms.

Diagnosis codes (ICD-10-AM)	Procedure codes (ACHI)
PJI-specific code	Revision codes
T84.5	Knee revision codes (90562-00, 49515-00, 49512-00, 49527-00, 49533-00, 49530-00, 49530-01, 49554-00)
Non-specific infection codes	Hip revision codes (49312-00, 49324-00, 49327-00, 49330-00, 49333-00, 49339-00, 49342-00, 49345-00, 49346-00)
Postprocedural infection codes (T81.3, T81.4, T84.6, T84.7 and T85.7)	Surgical treatment codes
Pyogenic arthritis codes (M00.06, M00.16, M00.26, M00.86 and M00.96)	Knee arthrotomy code (149500-01)
Sepsis codes (A41 and sub-items)	Knee synovectomy codes (49566-00, 49509-00)
Streptococcus, staphylococcus, and enterococcus codes (B95 and sub-items)	Debridement codes (30023-00, 30023-01)
Other bacterial pathogen codes (B96 and sub-items)	Knee arthroscopic debridement (49558-00)
Other infection-related codes	Knee lavage (49500-03)
Fever codes (R50.0, R50.1, R50.8 and R50.9)	Aspiration and drainage codes (30223-00, 50123-00)
Cellulitis codes (L03.11 and L03.13)	Percutaneous insertion of central catheterisation code (13815-01)
Erythema codes (L53.8 and L53.9)	Medical treatment codes
Effusion code (M25.46)	Antibiotic use codes (50124-01, 96205-02, 92186-00, 96199-02, 96209-02)

ACHI, Australian Classification of Health Intervention; ICD-10-AM, International Classification of Disease, 10th Revision, Australian Modification; PJI, periprosthetic joint infection.