**Appendix.**

Table A1. CanadianClassification of Health Intervention (CCI) Diagnostic Codes used for SSI Casefinding in the National Ambulatory Care Coding System (NACRS)

|  |  |  |  |
| --- | --- | --- | --- |
| 1.ZZ.35.^^ Pharmacotherapy, total body | Per orifice (oral) approach | Percutaneous approach [IM, IV, subcutaneous, intradermal] | Route NEC [transdermal, etc.] |
| General anti-infective agents |  |  |  |
| Using anti-infective NOS | 1.ZZ.35.CA-K0 | 1.ZZ.35.HA-K0 | 1.ZZ.35.YA-K0 |
| Using tetracycline | 1.ZZ.35.CA-K1 ++ | 1.ZZ.35.HA-K1 ++ | 1.ZZ.35.YA-K1 ++ |
| Using amphenicol | 1.ZZ.35.CA-K2 ++ | 1.ZZ.35.HA-K2 ++ | 1.ZZ.35.YA-K2 ++ |
| Using penicillin, betalactam, antibacterial | 1.ZZ.35.CA-K3 ++ | 1.ZZ.35.HA-K3 ++ | 1.ZZ.35.YA-K3 ++ |
| Using cephalosporin and related substance | 1.ZZ.35.CA-K4 ++ | 1.ZZ.35.HA-K4 ++ | 1.ZZ.35.YA-K4 ++ |
| Using monobactam, carbapenem | 1.ZZ.35.CA-K5 ++ | 1.ZZ.35.HA-K5 ++ | 1.ZZ.35.YA-K5 ++ |
| Using sulfonamide and trimethoprim | 1.ZZ.35.CA-K6 ++ | 1.ZZ.35.HA-K6 ++ | 1.ZZ.35.YA-K6 ++ |
| Using macrolide and lincosamide | 1.ZZ.35.CA-K7 ++ | 1.ZZ.35.HA-K7 ++ | 1.ZZ.35.YA-K7 ++ |
| Using aminoglycoside antibacterial | 1.ZZ.35.CA-K8 ++ | 1.ZZ.35.HA-K8 ++ | 1.ZZ.35.YA-K8 ++ |
| Using quinolone antibacterial | 1.ZZ.35.CA-K9 ++ | 1.ZZ.35.HA-K9 ++ | 1.ZZ.35.YA-K9 ++ |
| Using other antibacterial | 1.ZZ.35.CA-L1 ++ | 1.ZZ.35.HA-L1 ++ | 1.ZZ.35.YA-L1 ++ |

Table A2. Results of International Classification of Diseases, 10th Revision, Canada (ICD-10-CA) Procedure Codes and CanadianClassification of Health Intervention (CCI) Diagnostic Codes used for SSI Casefinding

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ICD-10-CA Code | ICD-10-CA Description | Number of cases for review | Number of confirmed cases (% of code, % of confirmed) | |
| T814 | Infection following a procedure, not elsewhere classified | 66 | 19 | (29, 41) |
| T8182 | Persistent postoperative fistula | 0 | 0 | n/a |
| T847 | Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts | 8 | 1 | (13, 2) |
| T8453 | Infection and inflammatory reaction due to hip prosthesis | 26 | 18 | (69, 39) |
| T8454 | Infection and inflammatory reaction due to knee prosthesis | 26 | 5 | (19, 11) |
| T857 | Infection and inflammatory reaction due to other internal prosthetic devices, implants and grafts | 1 | 0 | (0, 0) |
| T8459 | Infection and inflammatory reaction due to unspecified joint prosthesis | 1 | 0 | (0, 0) |
| CCI Code | CCI Code Description |  |  |  |
| 1VA52HA | Drainage, hip joint using percutaneous (needle) aspiration | 2 | 1 | (50, 2) |
| 1VA52WJ | Drainage, knee joint using open excisional approach [e.g. bursectomy] | 0 | 0 | n/a |
| 1VA52WK | Drainage, knee joint using open incisional approach [e.g. bursotomy] | 1 | 0 | (0, 0) |
| 1VA53LASLN | Implantation of internal device, hip joint open approach using synthetic material (e.g. bone paste, cement, dynagraft, osteoset) cement spacer | 3 | 0 | (0, 0) |
| 1VG35HAK0 | Pharmacotherapy (local), knee joint using percutaneous needle approach and antiinfective agent nec | 0 | 0 | n/a |
| 1VG52DA | Drainage, knee joint using endoscopic [arthroscopic] approach | 1 | 0 | (0, 0) |
| 1VG52HA | Drainage, knee joint using percutaneous (needle) aspiration | 2 | 0 | (0, 0) |
| 1VG52WJ | Drainage, knee joint using open excisional approach [e.g. bursectomy] | 1 | 0 | (0, 0) |
| 1VG52WK | Drainage, knee joint using open incisional approach [e.g. bursotomy] | 3 | 0 | (0, 0) |
| 1VG53LASLN | Implantation of internal device, knee joint with synthetic material (e.g. bone paste, cement, dynagraft, osteoset) cement spacer [temporary] | 0 | 0 | n/a |
| 1VX52HA | Drainage, soft tissue of leg using percutaneous (needle) approach | 0 | 0 | n/a |
| 1VX52HATS | Drainage, soft tissue of leg using percutaneous approach with drainage tube left in situ | 0 | 0 | n/a |
| 1VX52LA | Drainage, soft tissue of leg using open (incisional) approach | 1 | 0 | (0, 0) |
| 1VX59LAGX | Destruction, soft tissue of leg using device nec | 3 | 2 | (67, 4) |
| 1VX87LA | Excision partial, soft tissue of leg using simple apposition technique [e.g. suture, staple] (for closure of surgical defect) | 0 | 0 | n/a |
| 1YV52LA | Drainage, skin of leg using incisional approach | 1 | 0 | (0, 0) |
| 1VA53LAPM | Implantation of internal device, hip joint open approach uncemented single component prosthetic device [femoral] | 12 | 0 | (0, 0) |
| 1VG87LA | Excision partial, knee joint open approach, other joint excision [e.g. arthrectomy, chondrectomy, debridement] with or without synovectomy | 4 | 0 | (0, 0) |
| 1VA87LA | Excision partial, hip joint open approach other joint excision [arthrectomy, chondrectomy, debridement] with or without synovectomy | 0 | 0 | n/a |

Note. ICD-10-CA, *International Classification of Diseases, 10th Revision, Canada*; CCI, *Canadian Classification of Health Intervention*; n/a, not applicable.