# **APPENDIX**

1. **TSCI IDENTIFICATION**

The dataset combined all patients for whom one of the following ICD-10-AM (International Classification of Diseases – Tenth Revision, Australian Modification) codes have been identified in any separation, and in any position of the diagnostic code list within the NSW Admitted Patient Data Collection (APDC):

S12, S12.0, S12.1, S12.2, S12.21, S12.22, S12.23, S12.24, S12.25, S12.7, S12.8, S12.9, S13.1, S13.10, S13.11, S13.12, S13.13, S13.14, S13.15, S13.16, S13.17, S13.18, S13.2, S13.3, S14.0, S14.10, S14.11, S14.12, S14.13, S14.70, S14.71, S14.72, S14.73, S14.74, S14.75, S14.76, S14.77, S14.78, S22.0, S22.00, S22.01, S22.02, S22.03, S22.04, S22.05, S22.06, S22.1, S24.0, S24.1, S24.10, S24.11, S24.12, S24.7, S24.70, S24.71, S24.72, S24.73, S24.74, S24.75, S24.76, S24.77, S32, S32.0, S32.00, S32.01, S32.02, S32.03, S32.04, S32.05, S34.0, S34.1, S34.3, S34.70, S34.71, S34.72, S34.73, S34.74, S34.75, S34.76, T06.0, T06.1, T09.3.

1. **Mechanism of injury and activity**

Injury mechanism and activity at the time of injury were identified using the following ICD-10 AM codes

1. **Activity of injured person at time of injury**
   1. Sports and leisure: U50 – U72
   2. Other activity: U73
2. **Accidents**
   1. Transport accidents: V00 – V99
   2. Other external causes of accidental injury: W00 – X59
   3. Intentional self-harm: X60 – X84
   4. Assault: X85 – Y09
   5. Event of undetermined intention: Y20 – Y36
   6. Legal intervention and operations of war: Y35 – Y36
3. **Multiple Trauma**

Other injury categories in addition to TSCI were identified using the following ICD-10 AM codes. The other injury categories are:

* 1. Arm or Shoulder injury: S57, S58, S61, S62, S67, S68
  2. Hip or Leg injury: S71, S72, S73, S77, S78, S79, S81, S82, S83, S87, S88, S91, S92, S93, S97, S98
  3. Chest or Abdomen injury: S21, S22, S26, S27, S28, S28.0, S28.1, S31, S36, S38
  4. Skull or Face injury: S01, S02, S05, S08 and
  5. Traumatic Brain injury: S06, S07

1. **Secondary Complications**

The list of ICD-10 AM codes used to identify the secondary complications are given below;

**List of Secondary Complications and ICD-10 AM Codes**

|  |  |
| --- | --- |
| Complication Category | ICD-10 AM code |
| Urinary |  |
| Urinary tract infection | N30, N39 |
| Other disorders of bladder | N31 |
| Urethritis | N34, N37 |
| Haematuria | R31 |
| Other urinary complication | N99.8, N99.9 |
| Urinary retention/incontinence | R33, R32, N39.4, N39.3 |
|  |  |
| Respiratory |  |
| Pneumonitis due to solids and liquids | J69 |
| Pneumonia, pulmonary collapse | J12, J14, J15, J17, J18, J98.1 |
| Respiratory failure | J96.9, J96.0, J96.1 |
| Pleurisy | R09.1, J86.9, J86.0, J90 |
|  |  |
| Pressure injuries |  |
| Decubitus ulcers (pressure ulcer) | L89 |

1. **New South Wales Activity Based Funding District Network Return Data**

Cost categories included within APDC and EDDC DNR data collections;

1. Employee-Related Costs,
2. Visiting Medical Officers,
3. Other Operating Costs,
4. Finance Costs,
5. Depreciation,
6. Amortisation,
7. Grants, and
8. Subsidies.
9. **Surgical Procedures**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Block | | Description | | | | |
| 46 | **Decompression of cervical spinal cord** | | | | |  |
|  | [40331-00 Decompression of cervical spinal cord, 1 level](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40331-00) | | | | | |
|  | [40332-00 Decompression of cervical spinal cord with anterior fusion, 1 level](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40332-00) | | | | | |
|  | [40334-00 Decompression of cervical spinal cord, ≥ 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40334-00) | | | | | |
|  | [40335-00 Decompression of cervical spinal cord with anterior fusion, ≥ 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40335-00) | | | | | |
| 47 | **Decompression of thoracic and thoracolumbar spinal cord** | | | | | |
|  | [40348-00 Decompression of thoracic spinal cord via thoracotomy](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40348-00) | | | | | |
|  | [40351-00 Anterior decompression of thoracolumbar spinal cord](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40351-00) | | | | | |
|  | [40345-00 Decompression of thoracic spinal cord via costotransversectomy](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40345-00) | | | | | |
| 48 | **Decompression of lumbar spinal canal** | | | | |  |
|  | [90024-00 Decompression of lumbar spinal canal, 1 level](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\90024-00) | | | | | |
|  | [90024-01 Decompression of lumbar spinal canal, ≥ 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\90024-01) | | | | | |
| 1381 | **Immobilisation of fracture or dislocation of spine** | | | | | |
|  | [47684-00 Immobilisation of fracture/dislocation of spine](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47684-00) | | | | | |
|  | [47687-00 Immobilisation of fracture/dislocation of spine with spinal cord involvement](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47687-00) | | | | | |
| 1383 | **Excision of vertebra** | | |  |  |  |
|  | [48639-00 Excision of vertebra](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48639-00) | | |  |  |  |
|  | [48639-01 Excision of vertebra with spinal cord involvement](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48639-01) | | | | | |
| 1387 | **Closed reduction of fracture/dislocation of spine** | | | | | |
|  | [47696-00 Closed reduction of fracture/dislocation of spine](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47696-00) | | | | | |
|  | [47690-00 Closed reduction of fracture/dislocation of spine with immobilisation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47690-00) | | | | | |
|  | [47693-00 Closed reduction of fracture/dislocation of spine with spinal cord involvement, with immobilisation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47693-00) | | | | | |
| 1388 | **Open reduction of fracture/dislocation of spine** | | | 2 |  |  |
|  | [47699-00 Open reduction of fracture/dislocation of spine](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47699-00) | | | | | |
|  | [47699-01 Open reduction of fracture/dislocation of spine with simple internal fixation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47699-01) | | | | | |
|  | [47699-02 Open reduction of fracture/dislocation of spine with segmental internal fixation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47699-02) | | | | | |
|  | [47702-00 Open reduction of fracture/dislocation of spine with spinal cord involvement](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47702-00) | | | | | |
|  | [47702-01 Open reduction of fracture/dislocation of spine with spinal cord involvement, with simple internal fixation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47702-01) | | | | | |
|  | [47702-02 Open reduction of fracture/dislocation of spine with spinal cord involvement, with segmental internal fixation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\47702-02) | | | | | |
| 1389 | **Spinal fusion** | |  |  |  |  |
|  | [48660-00 Anterior spinal fusion, 1 level](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48660-00) | | | |  |  |
|  | [48669-00 Anterior spinal fusion, ≥ 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48669-00) | | | |  |  |
|  | [48642-00 Posterior spinal fusion, 1 or 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48642-00) | | | | |  |
|  | [48645-00 Posterior spinal fusion, ≥ 3 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48645-00) | | | | |  |
|  | [48648-00 Posterolateral spinal fusion, 1 or 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48648-00) | | | | |  |
|  | [48651-00 Posterolateral spinal fusion, ≥ 3 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48651-00) | | | | |  |
|  | [48654-00 Posterior spinal fusion with laminectomy, 1 level](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48654-00) | | | | | |
|  | [48657-00 Posterior spinal fusion with laminectomy, ≥ 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48657-00) | | | | | |
|  | [48654-01 Posterolateral spinal fusion with laminectomy, 1 level](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48654-01) | | | | | |
|  | [48657-01 Posterolateral spinal fusion with laminectomy, ≥ 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48657-01) | | | | | |
| 1390 | **Internal fixation of spine** | | | |  |  |
|  | [40316-00 Odontoid screw fixation](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\40316-00) | | | |  |  |
|  | [48678-00 Simple internal fixation of spine](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48678-00) | | | |  |  |
|  | [48681-00 Non-segmental internal fixation of spine](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48681-00) | | | | |  |
|  | [48684-00 Segmental internal fixation of spine, 1 or 2 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48684-00) | | | | | |
|  | [48687-00 Segmental internal fixation of spine, 3 or 4 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48687-00) | | | | | |
|  | [48690-00 Segmental internal fixation of spine, ≥ 5 levels](file:///C:\Program%20Files%20(x86)\Codexpert-10\html\48690-00) | | | | | |