

Trauma Services BC

A program of the Provincial Health Services Authority

Data Dictionary

SSC-STAN Data Management Solution



May 20, 2019
Version 2.0

Revision History

Version	Date	Author	Description
1.0	Aug. 20, 2017	Wayne Morris	<ul style="list-style-type: none">Initial version, focusing on “version 1” of the SSC Data Management solution.
2.0	May 20, 2019	Wayne Morris	<ul style="list-style-type: none">Version reflecting project transition May 2019
			<ul style="list-style-type: none">

APPENDIX A – KEY INJURY GROUPS

The following is a list of all Key Injury Groups for the SSC-STAN data management solution, and the inclusion criteria for each. In most cases, a trauma case (episode of care) is included as part of a Key Injury Group if it has at least one diagnosis that is a diagnosis associated with the Key Injury Group.

Note that for all Key Injury Groups, Diagnosis records are included only if the Diagnosis Type is one of the following:

- M -- Most Responsible Diagnosis
- 1 – Pre-Admit Comorbidity
- 3 – Secondary Diagnosis
- W -- Service Transfer Diagnosis (first)
- X -- Service Transfer Diagnosis (second)
- Y -- Service Transfer Diagnosis (third)
- 5 – Admitting Diagnosis
- 6 -- Proxy Most Responsible Diagnosis

Burns - All Burns

A trauma case (episode of care) is included in the “Burns - All Burns” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “T31”, i.e., is in the range T31.00 - T31.99
 - Alternative criteria – one of the following: T31.00, T31.01, T31.10, T31.11, T31.12, T31.20, T31.21, T31.22, T31.23, T31.30, T31.31, T31.32, T31.33, T31.34, T31.40, T31.41, T31.42, T31.43, T31.44, T31.45, T31.50, T31.51, T31.52, T31.53, T31.54, T31.55, T31.56, T31.60, T31.61, T31.62, T31.63, T31.64, T31.65, T31.66, T31.67, T31.70, T31.71, T31.72, T31.73, T31.74, T31.75, T31.76, T31.77, T31.78, T31.80, T31.81, T31.82, T31.83, T31.84, T31.85, T31.86, T31.87, T31.88, T31.89, T31.90, T31.91, T31.92, T31.93, T31.94, T31.95, T31.96, T31.97, T31.98, T31.99

Notes:

- All burns are required to support compliance to new destination guidelines, which will include burns that are 5% or 10% of TBSA.¹

Complex Orthopedics - Acetabular Fractures

A trauma case (episode of care) is included in the “Complex Orthopedics - Acetabular Fractures” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S32.4”
 - Alternative criteria – one of the following: S32.400, S32.401

¹ In Sep 2017, this was confirmed by Dr. Tony Papp.

Notes:

- S32.400 and S32.401 are the only ICD10 diagnoses that begin with “S32.4”

Complex Orthopedics - Non-Acetabular Pelvic Fractures

A trauma case (episode of care) is included in the “Complex Orthopedics – Non-Acetabular Pelvic Fractures” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with any one of the following:
 - “S32.1” (Fracture of sacrum), or
 - “S32.2” (Fracture of coccyx), or
 - “S32.3” (Fracture of ilium), or
 - “S32.5” (Fracture of pubis)
 - Alternative criteria – one of the following: S32.100, S32.101, S32.200, S32.201, S32.300, S32.301, S32.500, S32.501

Notes:

- There is also a “Pelvic Ring Fractures” key injury group, that is made up of the above four diagnoses, and also:
 - “S32.7” (Multiple fractures of lumbar spine and pelvis), or
 - “S32.8” (Fracture of other and unspecified parts of lumbar spine and pelvis)

Complex Orthopedics - Tibial Fractures

A trauma case (episode of care) is included in the “Complex Orthopedics - Tibial Fractures” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S82.1”
 - Alternative criteria – one of the following: S82.100, S82.101

Notes:

- S82.100 and S82.101 are the only ICD10 diagnoses that begin with “S82.1”

General Surgery - Splenic Injury

A trauma case (episode of care) is included in the “General Surgery - Splenic Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S36.0”, i.e., Injury of spleen
 - Alternative criteria – one of the following: S36.000, S36.001, S36.010, S36.011, S36.020, S36.021, S36.030, S36.031, S36.040, S36.041, S36.090, S36.091

Notes:

- There are several diagnoses that begin with “S36.0”

General Surgery – Liver or Gallbladder Injury

A trauma case (episode of care) is included in the “General Surgery - Liver or Gallbladder Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S36.1”, i.e., Injury of liver or gallbladder
 - Alternative criteria – one of the following: S36.100, S36.101, S36.110, S36.111, S36.120, S36.121, S36.130, S36.131, S36.140, S36.141, S36.150, S36.151, S36.160, S36.161, S36.170, S36.171, S36.180, S36.181, S36.190, S36.191

General Surgery – Kidney Injury

A trauma case (episode of care) is included in the “General Surgery - Kidney Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S37.0”, i.e., Injury of kidney
 - Alternative criteria – one of the following: S37.000, S37.001, S37.010, S37.011, S37.020, S37.021, S37.030, S37.031, S37.090, S37.091

General Surgery – Pancreas Injury

A trauma case (episode of care) is included in the “General Surgery - Pancreas Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S36.2”, i.e., Injury of pancreas
 - Alternative criteria – one of the following: S36.200, S36.201, S36.210, S36.211, S36.220, S36.221, S36.230, S36.231, S36.240, S36.241, S36.290, S36.291

General Surgery – Gastrointestinal Injury

A trauma case (episode of care) is included in the “General Surgery - Gastrointestinal Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S36.3”, i.e., Injury of stomach, or “S36.4”, i.e., Injury of small intestine, or “S36.5”, injury of colon, or “S36.6”, i.e., injury of rectum
 - Alternative criteria – one of the following: S36.300, S36.301, S36.310, S36.311, S36.390, S36.391, S36.400, S36.401, S36.410, S36.411, S36.420, S36.421, S36.450, S36.451, S36.460, S36.461, S36.490, S36.491, S36.500, S36.501, S36.510, S36.511, S36.590, S36.591, S36.600, S36.601, S36.610, S36.611, S36.690, S36.691

General Surgery – Diaphragm Injury

A trauma case (episode of care) is included in the “General Surgery - Diaphragm Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S27.80” or “S27.85”, i.e., Injury of diaphragm
 - Alternative criteria – one of the following: S27.800, S27.801, S27.850, S27.851

General Surgery – Bladder Injury

A trauma case (episode of care) is included in the “General Surgery - Bladder Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S37.2”, i.e., Injury of bladder
 - Alternative criteria – one of the following: S37.200, S37.201, S37.210, S37.211, S37.290, S37.291

General Surgery - Flail Chest

A trauma case (episode of care) is included in the “General Surgery - Flail Chest” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S22.5”. i.e. Flail chest
 - Alternative criteria – one of the following: S22.500, S22.501

Notes:

- S22.500 and S22.501 are the only ICD10 diagnoses that begin with “S22.5”

General Surgery – Pulmonary Contusion

A trauma case (episode of care) is included in the “General Surgery - Pulmonary Contusion” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with one of the following:
 - “S27.30”, i.e., Contusion and haematoma of lung, or
 - “S27.31”, i.e., Laceration and puncture of lung, or
 - “S27.38”, i.e., Other injury of lung, or
 - “S27.39”, i.e., Unspecified injury of lung, or
 - “S27.40”, i.e., Contusion and haematoma of bronchus, or
 - “S27.41”, i.e., Laceration and puncture of bronchus, or
 - “S27.48”, i.e., Other injury of bronchus, or
 - “S27.49”, i.e., Unspecified injury of bronchus

- Alternative criteria – one of the following: S27.300, 27.301, S27.310, S27.311, S27.380, S27.381, S27.390, S27.391, S27.400, S27.401, S27.410, S27.411, S27.480, S27.481, S27.490, S27.491

General Surgery – Pneumothorax

A trauma case (episode of care) is included in the “General Surgery - Pneumothorax” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S27.0”, i.e., Traumatic pneumothorax, or “S27.2”, i.e., Traumatic haemopneumothorax
 - Alternative criteria – one of the following: S27.000, S27.001, S27.200, S27.201

General Surgery – Haemothorax

A trauma case (episode of care) is included in the “General Surgery - Haemothorax” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S27.1”, i.e., Traumatic haemothorax, or “S27.2”, i.e., Traumatic haemopneumothorax
 - Alternative criteria – one of the following: S27.100, S27.101, S27.200, S27.201

Neurotrauma - Traumatic Brain Injury

A trauma case (episode of care) is included in the “Neurotrauma - Traumatic Brain Injury” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with one of the following:
 - “S02.0”, i.e., Fracture of vault of skull
 - “S02.1”, i.e., Fracture of base of skull
 - “S02.7”, i.e., Multiple fractures involving skull and facial bone
 - “S02.9”, i.e., Fracture of skull and facial bones, part unspecified
 - “S04.1”, i.e., Injury of oculomotor nerve
 - “S06.1”, i.e., Traumatic cerebral oedema
 - “S06.2”, i.e., Diffuse brain injury
 - “S06.4”, i.e., Epidural haemorrhage
 - “S06.5”, i.e., Traumatic subdural haemorrhage
 - “S06.6”, i.e., Traumatic subarachnoid haemorrhage
 - “S06.9”, i.e., Intracranial injury, unspecified
 - Alternative criteria – one of the following: S02.000, S02.001, S02.100, S02.101, S02.700, S02.701, S02.900, S02.901, S04.10, S04.18, S06.1, S06.25, S06.26, S06.4, S06.5, S06.6, S06.9

Pediatrics - Blunt Abdominal Spleen Injury

A trauma case (episode of care) is included in the “Pediatrics - Blunt Abdominal Spleen Injury” key injury group if all of the following criteria are true:

- Patient Age <= 15 years old, and
- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S36.0”, i.e., Injury of spleen
 - Alternative criteria – one of the following: S36.000, S36.001, S36.010, S36.011, S36.020, S36.021, S36.030, S36.031, S36.040, S36.041, S36.090, S36.091

Notes:

- There are several diagnoses that begin with “S36.0”

Pediatrics - Imaging of Multi-trauma

A trauma case (episode of care) is included in the “Pediatrics - Imaging of Multi-trauma” key injury group if all of the following criteria are true:

- Patient Age <= 15 years old, and
- Polytrauma Flag = Yes

Notes:

- Imaging data is required to enable compliance monitoring of applicable Imaging Guidelines.

Plastics - Mandibular Fracture Injuries

A trauma case (episode of care) is included in the “Plastics - Mandibular Fracture Injuries” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with “S02.6”, i.e., Fracture of mandible
 - Alternative criteria – one of the following: S02.600, S02.601, S02.610, S02.611, S02.620, S02.621, S02.670, S02.671

Plastics - Traumatic Amputation Injuries

A trauma case (episode of care) is included in the “Plastics - Traumatic Amputation Injuries” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with any one of the following:
 - “S48” (Traumatic amputation of shoulder and upper arm), or
 - “S53” (Dislocation, sprain and strain of joints and ligaments of elbow), or
 - “S68” (Traumatic amputation of wrist and hand)
 - Alternative criteria – one of the following: S48.0, S48.1, S48.9, S53.0, S53.100, S53.101, S53.110, S53.111, S53.120, S53.121, S53.130, S53.131, S53.180, S53.181, S53.190, S53.191, S53.2, S53.3, S53.40, S53.41, S53.42, S53.43, S53.48, S53.49, S68.0, S68.1, S68.2, S68.3, S68.4, S68.8, S68.9

Notes:

- Earlier iterations of this key injury group also included the following diagnoses. These are now excluded as they are lower priority:
 - “S78” (Traumatic amputation of hip and thigh), or
 - “S88” (Traumatic amputation of lower leg), or
 - “S98” (Traumatic amputation of ankle and foot)

Plastics - Flexor Tendon Injuries

A trauma case (episode of care) is included in the “Plastics - Flexor Tendon Injuries” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with any one of the following:
 - “S56.0” (Injury of flexor muscle and tendon on thumb at forearm level), or
 - “S56.1” (Injury of long flexor muscle and tendon of other finger(s) at forearm level), or
 - “S56.2” (Injury of other flexor muscle and tendon at forearm level), or
 - “S66.0” (Injury of long flexor muscle and tendon of thumb at wrist and hand level), or
 - “S66.1” (Injury of flexor muscle and tendon of other finger at wrist and hand level), or
 - “S86.0” (Injury of Achilles tendon), or
 - “S86.1” (Injury of other muscle(s) and tendon(s) of posterior muscle group at lower leg level), or
 - “S96.0” (Injury of muscle and tendon of long flexor muscle of toe at ankle and foot level)
 - Alternative criteria – one of the following: S56.00, S56.08, S56.10, S56.18, S56.20, S56.28, S66.00, S66.08, S66.10, S66.18, S86.00, S86.08, S86.10, S86.18, S96.00, S96.08

Specialized Diagnostic Imaging – C Spine Fractures

A trauma case (episode of care) is included in the “Specialized Diagnostic Imaging – C Spine Fractures” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with any one of the following:
 - “S12.0” (Fracture of first cervical vertebra), or
 - “S12.1” (Fracture of second cervical vertebra), or
 - “S12.2” (Fracture of other specified cervical vertebra), or
 - “S12.7” (Multiple fractures of cervical spine), or
 - “S12.9” (Fracture of neck, part unspecified)

- Alternative criteria – one of the following: S12.000, S12.001, S12.100, S12.101, S12.200, S12.201, S12.210, S12.211, S12.700, S12.701, S12.900, S12.901

Notes:

- CT scan is the gold standard for imaging of these patients. So that will be expected in facilities where the equipment is in place.

Spine - Spinal column injury with intact neurological function

A trauma case (episode of care) is included in the “Spine - Spinal column injury with intact neurological function” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with any one of the following:
 - “S12.0” (Fracture of first cervical vertebra), or
 - “S12.1” (Fracture of second cervical vertebra), or
 - “S12.2” (Fracture of other specified cervical vertebra), or
 - “S12.7” (Multiple fractures of cervical spine), or
 - “S12.9” (Fracture of neck, part unspecified), or
 - “S22.0” (Fracture of thoracic vertebra), or
 - “S22.1” (Multiple fractures of thoracic spine), or
 - “S32.0” (Fracture of lumbar vertebra), or
 - “S32.7” (Multiple fractures of lumbar spine and pelvis), or
 - “S32.8” (Fracture of other and unspecified parts of lumbar spine and pelvis)
 - Alternative criteria – one of the following: S12.000, S12.001, S12.100, S12.101, S12.200, S12.201, S12.210, S12.211, S12.700, S12.701, S12.900, S12.901, S22.000, S22.001, S22.010, S22.011, S22.090, S22.091, S22.100, S22.101, S32.000, S32.001, S32.010, S32.011, S32.020, S32.021, S32.030, S32.031, S32.040, S32.041, S32.090, S32.091, S32.700, S32.701, S32.800, S32.801
- The episode does **not** have any Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code begins with any one of the following:
 - “S14.1” (Other unspecified injuries of cervical spinal cord), or
 - “S24.1” (Other and unspecified injuries of thoracic spinal cord), or
 - “S34.1” (Other injury of lumbar spinal cord)
 - Alternative criteria – **NONE** of the following: S14.10, S14.11, S14.12, S14.13, S14.18, S14.19, S24.10, S24.11, S24.12, S24.13, S24.18, S24.19, S34.10, S34.11, S34.12, S34.13, S34.18, S34.19

Spine - Spinal cord injury with impaired neurological function

A trauma case (episode of care) is included in the “Spine - Spinal cord injury with impaired neurological function” key injury group if all of the following criteria are true:

- The episode has at least one Diagnosis at any Facility Visit (associated with the episode) in which the Diagnosis matches the following criteria:
 - The Diagnosis display code equals any one of the following:
 - “S14.10” (Complete lesion of cervical spinal cord), or
 - “S14.11” (Central cord lesion of cervical spinal cord), or
 - “S14.12” (Anterior cord syndrome of cervical spinal cord), or
 - “S14.13” (Posterior cord syndrome of cervical spinal cord), or
 - “S14.18” (Other injuries of cervical spinal cord), or
 - “S24.10” (Complete lesion of thoracic spinal cord), or
 - “S24.11” (Central cord lesion of thoracic spinal cord), or
 - “S24.12” (Anterior cord syndrome of thoracic spinal cord), or
 - “S24.13” (Posterior cord syndrome of thoracic spinal cord), or
 - “S24.18” (Other injuries of thoracic spinal cord), or
 - “S34.10” (Complete lesion of lumbar spinal cord), or
 - “S34.11” (Central cord lesion of lumbar spinal cord), or
 - “S34.12” (Anterior cord syndrome of lumbar spinal cord), or
 - “S34.13” (Posterior cord syndrome of lumbar spinal cord), or
 - “S34.18” (Other injuries of lumbar spinal cord), or
 - “S34.30” (Laceration of cauda equina), or
 - “S34.38” (Other and unspecified injury of cauda equina)

APPENDIX B – KEY PROCEDURES

The following is a list of Key Procedures for each Key Injury Group in the SSC-STAN solution. These associations are to be populated in the Injury-Key Procedure bridge table.

Note that ** and ^^ signify “wild cards” for the procedure codes.

Burns - All Burns

- 1.GJ.77.^^. Bypass with exteriorization, trachea
- 2.OT.70.^^. Inspection, abdominal cavity using open approach (laparotomy)
- 1.**.87.^ (debridement excision skin partial)
- 1.**.80.LA-XX-^^ or 1.**.80.JA-XX-^^ (grafts - skin repair)

Complex Orthopedics - Acetabular Fractures

- 1.SQ.03.^ - Immobilization, pelvis (this code may not be an OR procedure all the time)
- 1.SQ.53.^ - Implantation of internal device, pelvis
- 1.SQ.73.^ - Reduction, pelvis (not always in the OR)
- 1.SQ.74.^ - Fixation, pelvis
- 1.VA.03.^ - Immobilization, hip joint
- 1.VA.53.LA.PN.^ – Implantation of internal device, hip joint, open approach, dual component (femoral an
- 1.VA.53.LL.PN.^ - Implantation of internal device, hip joint, open anterior approach, dual component (fem
- 1.VA.73.^ - Reduction, hip joint
- 1.VA.74.^ - Fixation, hip joint
- 1.VA.75.^ - Fusion, hip joint
- 1.SI.74* - Fixation, sacroiliac joint using percutaneous approach and screw

Complex Orthopedics - Non-Acetabular Pelvic Fractures

- 1.SQ.03.^ - Immobilization, pelvis (not always in OR)
- 1.SQ.53.^ - Implantation of internal device, pelvis
- 1.SQ.73.^ - Reduction, pelvis (not always in OR)
- 1.SQ.74.^ - Fixation, pelvis
- 1.SI.74.^ - Fixation, sacroiliac joint
- 1.SI.75.^ - Fusion, sacroiliac joint
- 1.SF.73.^ - Reduction, sacrum and coccyx
- 1.SF.74.^ - Fixation, sacrum and coccyx

Complex Orthopedics - Tibial Fractures

- 1.VG.03.^ - Immobilization, knee joint (this code may not be done in OR)
- 1.VG.53.^ - Implantation of internal device, knee joint

1.VG.73.^ - Reduction, knee joint (not always done in OR)

1.VG.74.^ - Fixation, knee joint

General Surgery - Splenic Injury

1.OB.13.^ Angioembolism

1.OB.89.^ Total splenectomy

1.OB.87.^ Partial Excision, Spleen Splenectomy (partial and total)

General Surgery – Liver or Gallbladder Injury

1.OA.13.LA Control of bleeding, liver, using manual pressure, suturing or packing

1.OD.89.^ Excision total, gallbladder

General Surgery – Kidney Injury

1.PC.13.^ Control of bleeding, kidney (including angioembolization)

1.PC.80.^ Repair, kidney

General Surgery – Pancreas Injury

1.OJ.52.^ Drainage, pancreas

1.OJ.87.^ Excision partial, pancreas

1.OJ.89.^ Excision total, pancreas

1.OK.87.^ Excision partial, pancreas with duodenum

1.OK.89.^ Excision total, pancreas with duodenum

1.OK.91.^ Excision radical, pancreas with duodenum

General Surgery – Gastrointestinal Injury

1.NK.80.^ Repair, small intestine

1.NK.87.^ Excision partial, small intestine

1.NM.80.^ Repair, large intestine

1.NM.87.^ Excision partial, large intestine

1.NM.89.^ Excision total, large intestine

General Surgery – Diaphragm Injury

1.GX.80.^ Repair, diaphragm

General Surgery – Bladder Injury

1.PL.80.^ Repair, bladder neck

1.PM.80.^ Repair, bladder

General Surgery - Flail Chest

1.GV.52.^ Drainage, pleura

1.SL.73.^ Reduction, ribs

1.SL.74.^ Rib Fixation

General Surgery – Pulmonary Contusion

1.GZ.31.^ Ventilation, respiratory system

General Surgery – Pneumothorax

1.GZ.31.^ Ventilation, respiratory system

General Surgery – Hemothorax

1.GV.52.^ Drainage, pleura

Neurotrauma – Traumatic Brain Injury

1.AA.13.HA-C2 Control of bleeding, meninges and dura mater of brain

1.AA.13.SE-C2 Control of bleeding, meninges and dura mater of brain

1.AA.52.SZ Drainage, meninges and dura mater of brain

1.AA.52.SZ-AZ Drainage, meninges and dura mater of brain

1.AA.52.SZ-TS Drainage, meninges and dura mater of brain

1.AA.52.ME-SJ Drainage, meninges and dura mater of brain

1.AA.52.SE. ^ Drainage, meninges and dura mater of brain

1.AA.52.HA Drainage, meninges and dura mater of brain

1.AA.53.SE-PL Implantation of internal device, meninges and dura mater of brain

1.AA.53.SZ-PL Implantation of internal device, meninges and dura mater of brain

1.AA.54.ME-SJ Management of internal device, meninges and dura mater of brain

1.AA.54.MP-SJ Management of internal device, meninges and dura mater of brain

1.AA.55.SE-TS Removal of device, meninges and dura mater of brain

1.AA.55.SZ-PL Removal of device, meninges and dura mater of brain

1.AA.55.SZ-SJ Removal of device, meninges and dura mater of brain

1.AA.80.^ Repair, meninges and dura mater of brain

1.AA.87.^ Excision partial, meninges and dura mater of brain

1.AB.52.SE Drainage, subarachnoid

1.AB.52.SE-TS Drainage, subarachnoid

1.AB.52.DA Drainage, subarachnoid

1.AB.52.DA-TS Drainage, subarachnoid

1.AB.52.GN-SJ Drainage, subarachnoid

1.AB.52.GI-SJ Drainage, subarachnoid

1.AB.52.GJ-SJ Drainage, subarachnoid

1.AB.52.SZ Drainage, subarachnoid

1.AB.52.ME-SJ Drainage, subarachnoid

1.AB.52.MF-SJ Drainage, subarachnoid

1.AB.52.MQ-SJ Drainage, subarachnoid

1.AB.55.SE-TS Removal of device, subarachnoid
1.AB.55.SZ-SJ Removal of device, subarachnoid
1.AB.86.^ Closure of fistula, subarachnoid
1.AB.87.SE.^ Excision partial, subarachnoid
1.AB.87.SZ.^ Excision partial, subarachnoid
1.AC.50.DA-NR Dilation, ventricles of brain
1.AC.50.SE-NR Dilation, ventricles of brain
1.AC.50.SZ-NR Dilation, ventricles of brain
1.AC.52.SZ Drainage, ventricles of brain
1.AC.52.ME-SJ Drainage, ventricles of brain
1.AC.52.MF-SJ Drainage, ventricles of brain
1.AC.52.MJ-SJ Drainage, ventricles of brain
1.AC.52.MP-SJ Drainage, ventricles of brain
1.AC.52.MQ-SJ Drainage, ventricles of brain
1.AC.52.SE Drainage, ventricles of brain
1.AC.52.MB-SJ Drainage, ventricles of brain
1.AC.52.DA Drainage, ventricles of brain
1.AC.52.DA-SJ Drainage, ventricles of brain
1.AC.52.GN-SJ Drainage, ventricles of brain
1.AC.52.GI-SJ Drainage, ventricles of brain
1.AC.52.GK-SJ Drainage, ventricles of brain
1.AC.52.GJ-SJ Drainage, ventricles of brain
1.AC.53.DA-PL Implantation of internal device, ventricles of brain
1.AC.53.SZ-PL Implantation of internal device, ventricles of brain
1.AC.54.ME-SJ Management of internal device, ventricles of brain
1.AC.54.MF-SJ Management of internal device, ventricles of brain
1.AC.54.MJ-SJ Management of internal device, ventricles of brain
1.AC.54.MP-SJ Management of internal device, ventricles of brain
1.AC.54.MQ-SJ Management of internal device, ventricles of brain
1.AC.55.DA-NR Removal of device, ventricles of brain
1.AC.55.SZ-PL Removal of device, ventricles of brain
1.AC.55.SZ-SJ Removal of device, ventricles of brain
1.AC.55.SE-NR Removal of device, ventricles of brain
1.AC.59.SZ.^ Destruction, ventricles of brain
1.AC.59.DA.^ Destruction, ventricles of brain
1.AC.87.SZ.^ Excision partial, ventricles of brain
1.AC.87.DA.^ Excision partial, ventricles of brain

1.AJ.53.^ Implantation of internal device, cerebellum
1.AJ.55.^ Removal of internal device, cerebellum
1.AJ.87.SZ.^ Excision partial, cerebellum
1.AJ.87.DA.^ Excision partial, cerebellum
1.AJ.87.SE.^ Excision partial, cerebellum
1.AN.52.SZ.^ Drainage, brain
1.AN.52.DA.^ Drainage, brain
1.AN.52.SE.^ Drainage, brain
1.AN.53.SE-FT Implantation of internal device, brain
1.AN.53.SE-EM Implantation of internal device, brain
1.AN.53.SE-JA Implantation of internal device, brain
1.AN.53.SE-PL Implantation of internal device, brain
1.AN.53.SZ-FT Implantation of internal device, brain
1.AN.53.SZ-EM Implantation of internal device, brain
1.AN.53.SZ-JA Implantation of internal device, brain
1.AN.53.SZ-PL Implantation of internal device, brain
1.AN.54.SE-JA Management of internal device, brain
1.AN.54.SE-PL Management of internal device, brain
1.AN.54.SZ-JA Management of internal device, brain
1.AN.54.SZ-PL Management of internal device, brain
1.AN.55.SE-FT Removal of internal device, brain
1.AN.55.SE-JA Removal of internal device, brain
1.AN.55.SE-PL Removal of internal device, brain
1.AN.55.SE-EB Removal of internal device, brain
1.AN.55.SZ-FT Removal of internal device, brain
1.AN.55.SZ-JA Removal of internal device, brain
1.AN.55.SZ-PL Removal of internal device, brain
1.AN.55.SZ-EB Removal of internal device, brain
1.AN.56.SZ Removal of foreign body, brain
1.AN.59.SE.^ Destruction, ventricles of brain
1.AN.59.SZ.^ Destruction, ventricles of brain
1.AN.70.LA Incision NOS, brain
1.AN.73.QP Reduction, brain
1.AN.73.QR Reduction, brain
1.AN.73.SZ Reduction, brain
1.AN.87.SZ.^ Excision partial, brain
1.AN.87.SE.^ Excision partial, brain

- 1.EA.72.^ Release cranium
- 1.EA.74.LA.^ Fixation, cranium
- 1.EA.87.LA.^ Excision partial, cranium

Pediatrics - Blunt Abdominal Spleen Injury

- 1.OB.13.^ Angioembolism
- 1.OB.89.^ Total splenectomy
- 1.OB.87.^ Partial Excision, Spleen Splenectomy (partial and total)

Pediatrics - Imaging of Multi-trauma

No key procedures

Plastics - Mandibular Fracture Injuries

- 1.AC.53.SE-FT -- Implantation of internal device, ventricles of brain of [semipermeable] catheter [for chemical palliative infusion] using burr hole technique
- 1.EE.03.HA-KC -- Immobilization, mandible using percutaneous external fixator [e.g. biphasic device]
- 1.EE.03.JA-SR -- Immobilization, mandible using external splinting device
- 1.EE.38.HA-KC -- Management of external appliance, mandible of percutaneous external fixator
- 1.EE.55.LA-NW -- Removal of device, mandible of plate/screw device using open approach
- 1.EE.58.LA-XX-A -- Procurement, mandible using open approach of (bone) autograft
- 1.EE.73.JA -- Reduction, mandible using closed [external] approach
- 1.EE.74.LA-KD -- Fixation, open approach mandible without tissue [device only] using wire or mesh only
- 1.EE.74.LA-KD-A -- Fixation, mandible open approach with autograft using wire or mesh only
- 1.EE.74.LA-KD-N -- Fixation, mandible open approach with synthetic tissue[cement, paste] using wire or mesh only
- 1.EE.74.LA-NW -- Fixation, mandible open approach without tissue [device only] using plate, screw device (with/without wire/mesh)
- 1.EE.74.LA-NW-A -- Fixation, mandible open approach with autograft using plate, screw device (with/without wire/mesh)
- 1.EE.74.LA-NW-F -- Fixation, mandible open approach with free flap [fibular or costochondral flap] using plate, screw device (with/without wire/mesh)
- 1.EE.74.LA-NW-K -- Fixation, mandible open approach with homograft using plate, screw device (with/without wire/mesh)
- 1.EE.74.LA-NW-N -- Fixation, mandible open approach with synthetic tissue[cement, paste] using plate, screw device (with/without wire/mesh)
- 1.EE.74.LA-NW-Q -- Fixation, mandible open approach with combined sources of tissue using plate, screw device (with/without wire/mesh)
- 1.EE.80.LA-KD -- Repair, mandible open approach using wire or mesh only no tissue used (for defect closure)
- 1.EE.80.LA-NW -- Repair, mandible open approach using plate, screw device (with/without wire/mesh) no tissue used (for defect closure)

- 1.EE.80.LA-NW-A -- Repair, mandible open approach using plate, screw device (with/without wire/mesh) with autograft [e.g. bone]
- 1.EE.80.LA-NW-Q -- Repair, mandible open approach using plate, screw device (with/without wire/mesh) with combined sources of tissue
- 1.EE.87.LA -- Excision partial, mandible open approach no tissue used (for defect closure)
- 1.EE.87.LA-NW -- Excision partial, mandible open approach using plate, screw device (with/without wire/mesh) no tissue used (for defect closure)
- 1.EF.03.JA-FA -- Immobilization, maxilla with mandible using external [closed] approach and encirclage device [e.g. wire, tension band, arch bar]
- 1.EF.03.JA-SR -- Immobilization, maxilla with mandible using external splinting device
- 1.EF.55.JA-FA -- Removal of device, maxilla with mandible of encirclage device [e.g. wire, tension band, arch bar]
- 1.EF.73.JA -- Reduction, maxilla with mandible using closed [external] approach
- 1.EF.74.LA-KD -- Fixation, maxilla with mandible open approach no tissue used [device only] using wire or mesh only
- 1.EF.74.LA-NW -- Fixation, maxilla with mandible open approach no tissue used [device only] using plate, screw device (with/without wire/mesh)
- 1.EF.74.LA-NW-A -- Fixation, maxilla with mandible open approach with autograft using plate, screw device (with/without wire/mesh)
- 1.EF.80.LA-KD -- Repair, maxilla with mandible open approach using wire or mesh only no tissue used (for defect closure)
- 1.EF.80.LA-NW -- Repair, maxilla with mandible open approach using plate, screw device (with/without wire/mesh) no tissue used (for defect closure)
- 1.EN.55.LA-LE -- Removal of device, mandibular alveolar ridge of transmandibular plate/ screw design [TMI] implant
- 1.EN.73.JA -- Reduction, mandibular alveolar ridge using closed (external) approach
- 1.EN.73.LA-- Reduction, mandibular alveolar ridge using open approach
- 1.EN.74.LA-KD -- Fixation, mandibular alveolar ridge using open approach and wire fixative device (alveolar to mandible)
- 1.EN.80.LA -- Repair, mandibular alveolar ridge no tissue used in repair, no device used [tissue alone]
- 1.EN.87.LA -- Excision partial, mandibular alveolar ridge using open approach without tissue (to close defect)
- 3.EE.10.VA -- Xray, mandible without contrast (e.g. plain film) (with or without fluoroscopy)

Plastics -Traumatic Amputation Injuries

- 1.UB.93.LA -- Amputation, wrist joint using simple apposition technique [e.g. suturing] (for closure of stump)
- 1.UE.93.LA-XX-E -- Amputation, first metacarpal bone using local flap [e.g. myoplasty or myodesis] (for closure of stump)
- 1.UF.93.LA -- Amputation, other metacarpal bones using simple apposition technique [e.g. suturing] (for closure of stump)
- 1.UF.93.LA-XX-A -- Amputation, other metacarpal bones using skin graft (for closure of stump)

- 1.UF.93.LA-XX-E -- Amputation, other metacarpal bones using local flap [e.g. myoplasty or myodesis] (for closure of stump)
- 1.UG.93.LA -- Amputation, other metacarpophalangeal joint(s) using simple apposition technique [e.g. suturing] (for closure of stump)
- 1.UG.93.LA-XX-E -- Amputation, other metacarpophalangeal joint(s) using local flap myoplasty or myodesis (for closure of stump)
- 1.UH.93.LA-XX-A -- Amputation, first metacarpophalangeal joint using skin graft (for closure of stump)
- 1.UI.93.LA -- Amputation, first phalanx of hand using simple apposition technique [e.g. suturing] (for closure of stump)
- 1.UI.93.LA-XX-A -- Amputation, first phalanx of hand using autograft [e.g. full-thickness skin graft or bone graft] (for closure of stump)
- 1.UI.93.LA-XX-B -- Amputation, first phalanx of hand using split-thickness skin graft (for closure of stump)
- 1.UI.93.LA-XX-E -- Amputation, first phalanx of hand using local flap [e.g. V-Y plasty]
- 1.UI.93.LA-XX-F -- Amputation, first phalanx of hand using free flap [e.g. toe-to-finger flap]
- 1.UI.93.LA-XX-G -- Amputation, first phalanx of hand using pedicled transposition flap [e.g. finger rotation flap]
- 1.UJ.93.LA -- Amputation, other phalanx of hand using simple apposition technique [e.g. suturing] (for closure of stump)
- 1.UJ.93.LA-XX-A -- Amputation, other phalanx of hand using autograft [e.g. full-thickness skin graft or bone graft] (for closure of stump)
- 1.UJ.93.LA-XX-B -- Amputation, other phalanx of hand using split-thickness skin graft (for closure of stump)
- 1.UJ.93.LA-XX-E -- Amputation, other phalanx of hand using local flap [e.g. V-Y plasty]
- 1.UJ.93.LA-XX-F -- Amputation, other phalanx of hand using free flap [e.g. toe-to-finger flap]
- 1.UJ.93.LA-XX-G -- Amputation, other phalanx of hand using pedicled transposition flap [e.g. finger rotation flap]
- 1.UK.93.LA -- Amputation, other interphalangeal joints of hand using simple apposition technique (for closure)
- 1.UM.93.LA -- Amputation, first interphalangeal joint of hand using simple apposition technique (for closure)
- 1.UC.82.LA-NW -- Reattachment, distal radioulnar joint and carpal joints and bones using open approach and plate/screw fixation with apposition
- 1.UE.82.LA -- Reattachment, first metacarpal bone using simple apposition technique [e.g. suturing]
- 1.UE.82.LA-KD -- Reattachment, first metacarpal bone using wire/staple fixation with apposition technique
- 1.UF.82.LA-KD -- Reattachment, other metacarpal bones using wire/staple fixation with apposition technique
- 1.UI.82.LA-- Reattachment, first phalanx of hand using simple apposition technique [e.g. suture]
- 1.UI.82.LA-KD -- Reattachment, first phalanx of hand using wire/staple fixation with apposition technique

Plastics - Flexor Tendon Injuries

- 1.UT.53.LA-SL -- Implantation of internal device, flexor tendons of finger [excludes thumb] of spacer device [e.g. Silastic rod] (with or without wire or screw) using open approach
- 1.UT.55.LA-SL -- Removal of device, flexor tendons of finger [excludes thumb] of spacer device [e.g. Silastic rod] using open approach
- 1.UT.72.LA -- Release, flexor tendons of finger [excludes thumb] using open approach
- 1.UT.80.LA -- Repair, flexor tendons of finger [excludes thumb] using apposition technique [e.g. tendon sutured to tendon] simple repair (without graft or transfer involved)
- 1.UT.80.LA-XX-A -- Repair, flexor tendons of finger [excludes thumb] using apposition technique [e.g. tendon sutured to tendon] with autograft [e.g. tendon, fascia]
- 1.UT.80.LA-XX-E -- Repair, flexor tendons of finger [excludes thumb] using apposition technique [e.g. tendon sutured to tendon] with tendon transfer for realignment [e.g. advancement, transposition]
- 1.UT.80.LA-XX-N -- Repair, flexor tendons of finger [excludes thumb] using apposition technique [e.g. tendon sutured to tendon] with synthetic tissue [e.g. gortex, mesh]
- 1.UT.80.LA-XX-Q -- Repair, flexor tendons of finger [excludes thumb] using apposition technique [e.g. tendon sutured to tendon] with combined sources of tissue [e.g. autograft, tendon transfer, goretex]
- 1.UT.80.WU -- Repair, flexor tendons of finger [excludes thumb] using tenodesis technique [tendon looped or sutured to or through bone] simple repair (without graft or transfer involved)
- 1.UT.80.WU-NW -- Repair, flexor tendons of finger [excludes thumb] using tenodesis with screw fixation [tendon with a bone plug fixed to bone with screw] simple repair (without graft or transfer involved)
- 1.UT.80.WU-XX-A -- Repair, flexor tendons of finger [excludes thumb] using tenodesis technique [tendon looped or sutured to or through bone] with autograft [e.g. tendon, fascia]
- 1.UT.80.WU-XX-E -- Repair, flexor tendons of finger [excludes thumb] using tenodesis technique [tendon looped or sutured to or through bone] with tendon transfer for realignment [e.g. advancement, transposition]
- 1.UT.80.WU-XX-N -- Repair, flexor tendons of finger [excludes thumb] using tenodesis technique [tendon looped or sutured to or through bone] with synthetic tissue [e.g. gortex, mesh]
- 1.UT.84.LA-XX-A -- Construction or reconstruction, flexor tendons of finger [excludes thumb] using open approach and tendon autograft

Specialized Diagnostic Imaging – C Spine Fractures

TBD

Spine - Spinal cord injury with impaired neurological function

- 1.SC.75.PF-NW-A Fusion, spinal vertebrae open posterior approach [posterolateral approach] with autograft using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.74.PF-NW Fixation, spinal vertebrae open posterior approach [Includes: posterolateral approach] using screw, screw with plate or rod
- 1.SC.80.PF Repair, spinal vertebrae using posterior approach
- 1.SC.75.PF-NW-N Fusion, spinal vertebrae open posterior approach [posterolateral approach] with synthetic tissue [e.g. bone cement, paste, bioglass] using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.75.PF-NW-K Fusion, spinal vertebrae open posterior approach [posterolateral approach] with homograft [e.g. from bone bank] using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.89.PF-NW-A Excision total, spinal vertebrae posterior approach [posterolateral approach] with autograft using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)

1.SE.53.PF-SL Implantation of internal device, intervertebral disc using spacer device alone open posterior approach [posterolateral]

1.SC.75.PF-NW-Q Fusion, spinal vertebrae open posterior approach [posterolateral approach] with combined sources of tissue using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)

1.SC.80.PF Repair, spinal vertebrae using posterior approach

1.SC.74.PF-TC Fixation, spinal vertebrae open posterior approach [Includes: posterolateral approach] using rod with hook or wire

1.SC.75.PF-TC-A Fusion, spinal vertebrae open posterior approach [posterolateral approach] with autograft using rod with hook or wire [e.g. Harrington rod]

1.SC.75.LL-NW-A Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with autograft using screw, screw with plate, staple or rod

1.SC.89.LL-NW-A Excision total, spinal vertebrae anterior approach [anterolateral and transoral approaches] with autograft using screw, screw with plate, staple or rod

1.SC.74.LL-NW Fixation, spinal vertebrae open anterior approach [Includes: anterolateral or transoral approach] using screw, screw with plate or rod

1.SE.53.LL-SL Implantation of internal device, intervertebral disc using spacer device alone open anterior approach [anterolateral, thoracic]

1.SE.53.LL-SL-Q Implantation of internal device, intervertebral disc using spacer device and bone graft with cement or paste open anterior approach [anterolateral, thoracic]

1.SC.89.LL-GX Excision total, spinal vertebrae anterior approach [anterolateral and transoral approaches] no tissue used (device only) using device NEC

1.SC.75.LL-NW-K Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with homograft [e.g. from bone bank] using screw, screw with plate, staple or rod

1.SA.74.LL-NW Fixation, atlas and axis open anterior approach [Includes: anterolateral, transoral and retropharyngeal approaches] using screw, screw with plate, staple or pin [e.g. odontoid screw]

1.SC.75.LL-NW-N Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with synthetic tissue [e.g. bone cement, paste, bioglass] using screw, screw with plate, staple or rod

1.SC.75.LL-NW-Q Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with combined sources of tissue using screw, screw with plate, staple or rod

1.SE.53.LL-SL-A Implantation of internal device, intervertebral disc using spacer device and bone autograft open anterior approach [anterolateral, thoracic]

1.AX.80.LA Repair, spinal canal and meninges open approach using apposition technique [e.g. suturing] for closure

1.AX.80.LA-W3 Repair, spinal canal and meninges open approach using fibrin glue technique for closure

1.AX.52.LA Drainage, spinal canal and meninges open approach drainage without shunt or catheter left in situ

1.AX.80.LA-XX-N Repair, spinal canal and meninges open approach using synthetic tissue [e.g. silastic sheath] for closure

1.AX.80.LA-XX-Q Repair, spinal canal and meninges open approach using combined sources of tissue for closure

3.SC.12.VA Fluoroscopy, spinal vertebrae without contrast

1.SH.59.LA Destruction, soft tissue of the back using open approach

- 1.SE.53.LL-FE Implantation of internal device, intervertebral disc open anterior approach [anterolateral, thoracic] using prosthetic disc [PDN]
- 1.AX.52.MB-TS Drainage, spinal canal and meninges, open approach catheter (shunt) terminating at skin [e.g. temporary external drainage]
- 1.SC.80.HA-XX-N Repair, spinal vertebrae using percutaneous approach and (injection of) synthetic material (eg. bone cement)
- 1.SC.80.HA-BD-N Repair, spinal vertebrae using percutaneous approach with balloon and (injection of) synthetic material (e.g. bone cement)
- 1.SE.53.LL-SL Implantation of internal device, intervertebral disc using spacer device alone open anterior approach [anterolateral, thoracic]
- 1.SE.53.LL-SL-N Implantation of internal device, intervertebral disc using spacer device and synthetic tissue [e.g. cement, paste] open anterior approach [anterolateral, thoracic]
- 1.SC.03.JA-EQ Immobilization, spinal vertebrae immobilization alone with bracing device [brace, jacket]
- 1.SC.03.JZ-KC Immobilization, spinal vertebrae immobilization with traction or traction alone with percutaneous fixator device [tongs, halo]
- 2.SC.71.HA Biopsy, spinal vertebrae using percutaneous (needle) approach
- 1.UB.73.JA Reduction, wrist joint using closed (external) approach

Spine - Spinal column injury with intact neurological function

- 1.SC.75.PF-NW-A Fusion, spinal vertebrae open posterior approach [posterolateral approach] with autograft using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.74.PF-NW Fixation, spinal vertebrae open posterior approach [Includes: posterolateral approach] using screw, screw with plate or rod
- 1.SC.80.PF Repair, spinal vertebrae using posterior approach
- 1.SC.75.PF-NW-N Fusion, spinal vertebrae open posterior approach [posterolateral approach] with synthetic tissue [e.g. bone cement, paste, bioglass] using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.75.PF-NW-K Fusion, spinal vertebrae open posterior approach [posterolateral approach] with homograft [e.g. from bone bank] using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.89.PF-NW-A Excision total, spinal vertebrae posterior approach [posterolateral approach] with autograft using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SE.53.PF-SL Implantation of internal device, intervertebral disc using spacer device alone open posterior approach [posterolateral]
- 1.SC.75.PF-NW-Q Fusion, spinal vertebrae open posterior approach [posterolateral approach] with combined sources of tissue using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)
- 1.SC.74.PF-TC Fixation, spinal vertebrae open posterior approach [Includes: posterolateral approach] using rod with hook or wire
- 1.SC.75.PF-TC-A Fusion, spinal vertebrae open posterior approach [posterolateral approach] with autograft using rod with hook or wire [e.g. Harrington rod]
- 1.SC.75.LL-NW-A Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with autograft using screw, screw with plate, staple or rod
- 1.SC.89.LL-NW-A Excision total, spinal vertebrae anterior approach [anterolateral and transoral approaches] with autograft using screw, screw with plate, staple or rod

1.SC.74.LL-NW Fixation, spinal vertebrae open anterior approach [Includes: anterolateral or transoral approach] using screw, screw with plate or rod

1.SE.53.LL-SL Implantation of internal device, intervertebral disc using spacer device alone open anterior approach [anterolateral, thoracic]

1.SE.53.LL-SL-Q Implantation of internal device, intervertebral disc using spacer device and bone graft with cement or paste open anterior approach [anterolateral, thoracic]

1.SC.89.LL-GX Excision total, spinal vertebrae anterior approach [anterolateral and transoral approaches] no tissue used (device only) using device NEC

1.SC.75.LL-NW-K Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with homograft [e.g. from bone bank] using screw, screw with plate, staple or rod

1.SA.74.LL-NW Fixation, atlas and axis open anterior approach [Includes: anterolateral, transoral and retropharyngeal approaches] using screw, screw with plate, staple or pin [e.g. odontoid screw]

1.SC.75.LL-NW-N Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with synthetic tissue [e.g. bone cement, paste, bioglass] using screw, screw with plate, staple or rod

1.SC.75.LL-NW-Q Fusion, spinal vertebrae open anterior approach [anterolateral and transoral approaches] with combined sources of tissue using screw, screw with plate, staple or rod

1.SC.75.LN-NW-A Fusion, spinal vertebrae open combined anterior and posterior approach [e.g. with hemi-epiphysiodesis] with autograft using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)

1.SC.89.LN-NW-A Excision total, spinal vertebrae combined anterior and posterior approach [e.g. with hemiepiphysiodesis] with autograft using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)

1.SC.89.LN-NW-Q Excision total, spinal vertebrae combined anterior and posterior approach [e.g. with hemiepiphysiodesis] with combined sources of tissue using screw, screw with plate or rod (e.g. TSRH, Zielke, pedicle screw)

1.SE.53.LL-SL-A Implantation of internal device, intervertebral disc using spacer device and bone autograft open anterior approach [anterolateral, thoracic]

1.AX.80.LA Repair, spinal canal and meninges open approach using apposition technique [e.g. suturing] for closure

1.AX.80.LA-W3 Repair, spinal canal and meninges open approach using fibrin glue technique for closure

1.AX.52.LA Drainage, spinal canal and meninges open approach drainage without shunt or catheter left in situ

1.AX.80.LA-XX-N Repair, spinal canal and meninges open approach using synthetic tissue [e.g. silastic sheath] for closure

1.AX.80.LA-XX-Q Repair, spinal canal and meninges open approach using combined sources of tissue for closure

3.SC.12.VA Fluoroscopy, spinal vertebrae without contrast

1.SH.59.LA Destruction, soft tissue of the back using open approach

1.SE.53.LL-FE Implantation of internal device, intervertebral disc open anterior approach [anterolateral, thoracic] using prosthetic disc [PDN]

1.AX.52.MB-TS Drainage, spinal canal and meninges, open approach catheter (shunt) terminating at skin [e.g. temporary external drainage]

1.SC.80.HA-XX-N Repair, spinal vertebrae using percutaneous approach and (injection of) synthetic material (eg. bone cement)

1.SC.80.HA-BD-N Repair, spinal vertebrae using percutaneous approach with balloon and (injection of) synthetic material (e.g. bone cement)

1.SE.53.LL-SL-N Implantation of internal device, intervertebral disc using spacer device and synthetic tissue [e.g. cement, paste] open anterior approach [anterolateral, thoracic]

1.SC.03.JA-EQ Immobilization, spinal vertebrae immobilization alone with bracing device [brace, jacket]

1.SC.03.JZ-KC Immobilization, spinal vertebrae immobilization with traction or traction alone with percutaneous fixator device [tongs, halo]

2.SC.71.HA Biopsy, spinal vertebrae using percutaneous (needle) approach

1.UB.73.JA Reduction, wrist joint using closed (external) approach