

# Scottish Trauma Audit Group (STAG)

## Inclusion/exclusion criteria

(Updated July 2020)

The decision to include a patient should be based on the following points:

- A. ALL TRAUMA PATIENTS, PRESENTING WITH INJURIES SUSTAINED WITHIN PAST 7 DAYS**
- B. WHO FULFIL ONE OF THE FOLLOWING CRITERIA:**

### DIRECT ADMISSIONS OR TRANSFERED PATIENTS (IN/OUT)

Trauma patients whose length of stay is 3 days or more (date of attendance is counted as day '0') and trauma patients transferred in/out of your hospital whose combined hospital stay at both sites is 3 days or more;

**OR**

- Trauma patients admitted to Critical Care (ITU or HDU), or SIU regardless of length of stay or admission specialty;

**OR**

- Trauma patients (who would have been included in the audit) who die in hospital, including the Emergency Department.

### **N.B**

*Include patients admitted to a medical ward as a surgical boarder, or under shared care of a physician and surgeon.*

*Exclude trauma patients whose primary reason for admission is documented as 'social'.*

*Trauma patients admitted to a medical ward should be included if other inclusion criteria are met. Tracking of these patients will be completed by the central STAG team retrospectively and based on ICD10 trauma codes from in-patient data. Local Audit Coordinators should review any patients highlighted from this centrally generated list, for patients that meet the inclusion criteria.*

*Inpatients should be included if they meet the inclusion criteria. Please record day of admission as the date of the injury and not the original date of admission to hospital.*

- C. AND WHOSE INJURIES DO NOT MEET THE FOLLOWING EXCLUSION CRITERIA**

BODY REGION OR SPECIFIC INJURY	EXCLUSIONS
HEAD	Isolated minor head injury (no fracture and GCS>13)
FACE	Isolated (excluding #s) injuries to the face.  Closed simple or stable #'s

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THORAX	Isolated superficial lacerations, contusions, puncture wounds/bites with no underlying injury.
ABDOMEN	Isolated superficial lacerations, contusions, puncture wounds/bites with no underlying injury.
SPINE	None
PELVIS (incl. Acetabulum)	≥ 65 years with pubic rami # with or without one other isolated injury that would otherwise also be excluded.
HIP FRACTURE	<p>≥ 65 years with hip # (subcapital, intracapsular, greater trochanteric, intertrochanteric, or basal) with or without one other isolated injury that would otherwise also be excluded.</p> <p>Isolated dislocations/ prosthetic dislocations (even if open)</p>
<b>LIMB</b>  <b>– UPPER (EXCEPT Hands and Fingers)</b>  <i>N.B Scapula and Clavicle are also defined as upper limb injuries</i>  <b>– LOWER: KNEE and BELOW (EXCEPT Feet and Toes)</b>	<p>Any closed unilateral injury (in isolation)</p> <p>Any open dislocation (in isolation)</p>
<b>HAND OR FOOT:</b>  <b>JOINT OR BONE</b>	<p>Any # &amp;/or dislocations, even if bilateral open &amp;/or multiple with or without one other isolated injury that would otherwise also be excluded. e.g closed # tibia and scaphoid # or # L calcaneum and # R fibula</p> <p><b>N.B Only include – Amputation or Crush</b> (See AIS Dictionary further clarification box on pages 114/134)</p>
<b>FINGERS OR TOES</b>	All (in isolation or in combination with one other isolated injury that would otherwise also be excluded)
<b>PATHOLOGICAL FRACTURES</b>	<p>Pathological # e.g osteoporosis and ‘fragility’ (with a low impact MOI where a # would be unlikely under normal circumstances), osteogenesis imperfect (OI) or tumour/metastatic deposits determined by evidence in the broken bone on radiology, intra-operatively, or by confirmation of a pathological # by a Senior Clinician; periprosthetic # (even if open)</p> <p>Patients receiving bisphosphonate therapy require further discussion with central team.</p>

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NERVE	All nerve injuries, single or multiple (except injury to sciatic, facial, femoral or cranial nerve)
MUSCLE/TENDON/ LIGAMENT	All (in isolation or in combination with one other isolated injury that would otherwise also be excluded)
VESSEL	Intimal tear or superficial laceration or perforation to any limb vessel (however, include all injuries to femoral, neck, facial, cranial, thoracic or abdominal vessels. Transection or major disruption of any other vessel)
SKIN	Simple skin lacerations or penetrating injuries with blood loss < 20% (1000mls); single or multiple.  Contusions or abrasions: single or multiple  De-gloving injury with AIS score of 2
BURN	All (in isolation or in combination with one other isolated injury that would otherwise also be excluded)
INHALATION	All (in isolation or in combination with one other isolated injury that would otherwise also be excluded)
AMPUTATION/CRUSH	Fingers/toes
ASPHYXIA (e.g. attempted hanging with or without other consequential airway/neck injuries)	All (with or without one other isolated injury that would otherwise also be excluded)
DROWNING	All (with or without one other isolated injury that would otherwise also be excluded)
ELECTROCUTION (includes lightning strikes)	None
EXPLOSION	None
FROSTBITE	All (except full thickness and multi body sites e.g. fingers, toes, ears)
HYPOTHERMIA	Hypothermia in isolation or in combination with one other isolated injury that would otherwise also be excluded

If you are uncertain whether a patient should be included in the audit, please contact the central office team for further guidance.