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SIMPLIFIED INJURY SEVERITY SCALE FOR DEVELOPING COUNTRIES

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Background Incidence of injury widely varies because researcher uses own criteria for including minor/major injury. AIS is not applicable among community/without diagnosis.

Objective To prepare Simplified Injury Severity Scale (SISS)

Methods Various severity-related physiological and anatomical variables included and graded according to its effect on severity of injury.

Simplified Injury Severity Scale (SISS): Age of the injured victim: 0–5 year(1), 6–25 years(2), 26–50 years(3), >50 years(4).

Part of the body injured: Limbs(1), Abdomen/Pelvis(3), Thorax/Chest(4), Head/ Neck/ multiple/ whole body(5).

Type of Injury: Superficial(4), Deep(8).

Level of consciousness after injury: Normal(0), dizziness(4), Drowsiness(8), Unconscious(10).

Duration of deterioration of consciousness: Momentary(2), <1 h (4), 1–24 h(8), >24 h (10).

Amount of bleeding after injury/type of treatment/ systolic BP: Minimum bleeding without I/V fluid or >100(0), Moderate bleeding with I/V fluid or 100 to 80(4), Severe bleeding with transfusion or <80(8).

No. of days of hospitalisation/work affected: Nil(0), <1 day(2), 1–3 days(4), 4–7 days(6), 8–15 days(8), 16–30 days(10), >30(12)

Type of treatment availed: Nil(0), Outdoor(2), Indoor(4), Major operation(6), Intensive ward(8).

Outcome after treatment: Normal(0), scarring(2), Disfigurement (4), Disability not affect routine work(6), Disability affect routine work(8), Incapable(10).

Total scoring for injury severity: No Injury(<10), Minor Injury (10–20), Moderate(20–35), Severe(35–50), Critical(50–60), Maximum Injury(>60).

Results Community based study shows 18% no injury, 41% minor injury, 32% moderate injury, 8% severe injury, 0.5% critical injury and 0.5% maximum injury. 185 injured victims in hospital show 2.7% minor injury, 8.6% moderate injury, 34.6% severe injury, 41.1% critical injury and 13% maximum injury.

Significance This is very useful in developing countries with the advantage of it being simple, specific and effective.