

Article title: Neurotrauma Surveillance in National Registries of Low- and Middle-Income Countries: A Scoping Review and Comparative Analysis of Data Dictionaries

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Table S1. Summary of Neurotrauma-Specific Data Elements From All Studies Included After Systematic Scoping Review and Non-Random Sampling

Country, WHO Region	World Bank Income Status (2020)	Neurotrauma Specific Data Elements
Cameroon, Africa ³¹ Personal contact with Catherine Juillard	Lower Middle income country (L-MIC)	AIS: Head & Neck (1-5); AVPU score, GCS/AVPU qualifier; C-collar in place?; Complications: Seizures (the day of admission to hospital, the day after surgery: yes/no), seizure treatment given in form of medicine? No seizure treatment: Why?; ER Head CT; Follow-up: Head/Neck- trauma, GCS, GOS at discharge; Head/Neck severity ICU: Anti-seizure prophylaxis, Seizures (If yes, how many hours?); ICU: C-Spine X rays; ICU: Head CT; ICU: C-Spine CT; ICU: Neuromonitoring; If applicable: Use of Helmet; If head injury then GCS; Injured Part of the Body: Head, Spine;

		<p>Observation of Head/CNS;</p> <p>Pupil reactivity at ER;</p> <p>Received pre-hospital care: c-spine immobilization;</p> <p>Received pre-hospital-care: Back Board;</p> <p>Surgical re-intervention;</p> <p>Surgical treatment received;</p> <p>Survival Status: GOS at 3, 6, 12 months;</p> <p>Type of Surgery Performed</p>
<p>China NISS, Western Pacific 14, 15, 32</p>	<p>Upper-middle-income- country (UMIC)</p>	<p>Anatomic site of injury including head, neck, TBI;</p> <p>“Body part injured: nervous system”;</p> <p>Disposition/Outcome; Mechanism / cause of injury</p> <p>Injury severity (ISS, minor/ moderate/severe)</p>
<p>Colombia, Americas (personal contact with Andres Rubiano)</p>	<p>UMIC</p>	<p>AIS: Head & Neck (1-5);</p> <p>Discharge AIS: Head and Neck (1-5);</p> <p>ER Head CT; C-Spine CT;</p> <p>GCS (if head injury);</p> <p>GCS, GOS at discharge;</p> <p>ICU: Anti-seizure prophylaxis, Seizures (If yes, how many hours?);</p> <p>ICU: C-Spine CT;</p> <p>ICU: C-Spine X rays;</p> <p>ICU: Head CT;</p> <p>ICU: Minimum, Maximum GCS of day;</p> <p>ICU: Neuromonitoring;</p> <p>ICU: Pupil Reactivity (For Right and Left Pupils);</p> <p>Injured Part of the Body: Head, Spine;</p> <p>Observation of Head/CNS;</p> <p>Pre-hospital GCS;</p> <p>Pupil reactivity at ER;</p> <p>Surgical re-intervention;</p> <p>Survival Status: GOS at 3, 6, 12 months</p>
<p>Egypt, Eastern Mediterranean²⁷</p>	<p>L-MIC</p>	<p>Mechanism / cause of injury</p>
<p>Fiji, Western Pacific¹⁶⁻¹⁸</p>	<p>UMIC</p>	<p>Anatomic site of injury including head, neck, TBI;</p> <p>Disposition/Outcome;</p> <p>Injury severity (ISS, minor/moderate/severe);</p> <p>Mechanism/cause of injury</p>

		Substance Use
India, South-East-Asia ³³	L-MIC	AIS: Head & Neck (1-5); ER Head CT; GCS (if head injury); History of consciousness; If applicable: Use of Helmet; Injured Part of the Body: Head, Spine; Surgical treatment received; Type of Surgery Performed
Iran INTRD, Eastern Mediterranean 19, 21-23	UMIC	Disposition /Outcome; Glasgow Coma Scale; ICD-9 or 10 Code; Injury severity (ISS, minor/moderate/severe); Mechanism/cause of injury Spinal Injury score/characteristics* (ASIA, etc); Spine injury; Use of helmet; Use of seatbelt
Iran NSCIR-IR, Eastern Mediterranean ²⁰		“Body part injured: nervous system”; Anatomic site of injury including head, neck, TBI; Complications after treatment of spine injury; CSF fluid out of the wound; Disposition/Outcome; Glasgow Coma Scale; ICD-9 or 10 Code; Mechanism / cause of injury Mentions neurosurgery department or intracranial surgery; Spinal Injury score/characteristics* (ASIA, etc); Spinal surgery; Spine injury; Use of helmet; Use of seatbelt;
Jamaica ISS, Americas ²⁴	UMIC	Mechanism / cause of injury; Substance use; Use of helmet
Jamaica NTR, Americas ²⁵		Injury severity (ISS, minor/moderate/severe); Glasgow Coma Scale;

		Glasgow Outcome Scale at discharge; Head/Brain imaging; Mechanism/cause of injury
Malaysia, Western Pacific ^{26, 34}	UMIC	Anatomic site of injury including head, neck, TBI; Disposition/Outcome; Glasgow Coma Scale; Head/Brain imaging; Spinal surgery; Injury severity (ISS, minor/moderate/severe); Mechanism/cause of injury; Mentions neurosurgery department or intracranial surgery; Spinal Injury score/characteristics* (ASIA, etc); Urgent surgery (< 24h);
Mexico ³⁰	UMIC	Affected anatomy: head, neck, spinal column, back and gluteal region; Major sequelae: contusion, fracture, “depression” = (mechanical) depression, scars; Protective equipment: helmet, seatbelt
Myanmar, South-East- Asia ³⁵	L-MIC	History of consciousness; If applicable: Use of Helmet; Injured Part of the Body: Head, Spine; Outcome
Pakistan, Eastern Mediterranean ²⁸ ³⁶	L-MIC	Disposition/Outcome; Glasgow Coma Scale; Head/Brain imaging; Mechanism/cause of injury
Rwanda, Africa ²⁹	Low income country	Anatomic site of injury including head, neck, TBI; Disposition/Outcome; Glasgow Coma Scale; Injury severity (ISS, minor/moderate/ severe); Mechanism / cause of injury; Spine injury
Thailand, South-East- Asia ³⁷	UMIC	History of consciousness; If applicable: Use of Helmet; Injured Part of the Body: Head, Spine; Observation of Head/CNS; Outcome

Search Query Used for Literature Review

(country*[tiab] OR nation*[tiab] OR sovereign[tiab] OR royal[tiab] OR imperial[tiab] OR public[tiab] OR state[tiab] OR civil[tiab])AND(trauma*[tw] OR injur*[tw]) AND (regist*[tiab] OR databank[tiab] OR database*[tiab]) AND ("developing countries"[mesh] or developing countr*[tiab] or developing nation*[tiab] or less developed countr*[tiab] or less developed nation*[tiab] or third world nation*[tiab] or third world countr*[tiab] or under developed nation*[tiab] or underdeveloped nation*[tiab] or under developed countr*[tiab] or underdeveloped nation*[tiab] or middle income countr*[tiab] or middle income nation*[tiab] or low income countr*[tiab] or low income nation*[tiab] or poor countr*[tiab] or poor nation*[tiab] or lmic[tiab] or lmics[tiab] or "africa"[mesh] or "asia"[mesh] or "south america"[mesh] or "latin america"[mesh] or "central america"[mesh] or africa[tiab] or asia[tiab] or south america*[tiab] or latin america*[tiab] or central america*[tiab] or afghanistan*[tiab] or albania*[tiab] or algeria*[tiab] or samoa*[tiab] or angola*[tiab] or armenia*[tiab] or argentin*[tiab] or azerbaijan*[tiab] or bangladesh*[tiab] or bengali[tiab] or belarus*[tiab] or belize[tiab] or benin[tiab] or bhutan*[tiab] or bolivia*[tiab] or bosnia*[tiab] or herzegovina*[tiab] or botswana*[tiab] or brazil*[tiab] or bulgaria*[tiab] or burkina faso[tiab] or burundi*[tiab] or cabo verd*[tiab] or cape verd*[tiab] or cambodia*[tiab] or cameroon*[tiab] or central african*[tiab] or chad*[tiab] or china[tiab] or chinese[tiab] or colombia*[tiab] or comoros[tiab] or congo[tiab] or costa rica*[tiab] or cote d ivoire[tiab] or ivory coast[tiab] or croatia*[tiab] or cuba[tiab] or cuban[tiab] or djibouti[tiab] or dominica*[tiab] or ecuador*[tiab] or egypt*[tiab] or el salvador*[tiab] or eritrea*[tiab] or ethiopia*[tiab] or fiji*[tiab] or gabon*[tiab] or gambia*[tiab] or georgia*[tiab] or ghana*[tiab] or grenada*[tiab] or guatemala*[tiab] or guinea*[tiab] or guyan*[tiab] or haiti*[tiab] or hondura*[tiab] or india[tiab] or indian*[tiab] or indonesia*[tiab] or iran*[tiab] or iraq*[tiab] or jamaica*[tiab] or jordan[tiab] or kazakh*[tiab] or kenya*[tiab] or kiribati[tiab] or democratic people's republic of korea[tiab] or north korea[tiab] or kosovo[tiab] or kosovar*[tiab] or kyrgyz*[tiab] or lao[tiab] or laos[tiab] or laotian*[tiab] or lebanon[tiab] or lebanes*[tiab] or lesotho[tiab] or liberia*[tiab] or libya*[tiab] or macedonia*[tiab] or madagascar*[tiab] or malawi*[tiab] or malaysia*[tiab] or maldives[tiab] or mali[tiab] or malian[tiab] or marshall island*[tiab] or mauritania*[tiab] or mauriti*[tiab] or mexico[tiab] or mexican*[tiab] or micronesia*[tiab] or moldova*[tiab] or mongolia*[tiab] or montenegr*[tiab] or morocc*[tiab] or mozambique[tiab] or myanmar[tiab] or burmese*[tiab] or burma[tiab] or namibia*[tiab] or nauru*[tiab] or nepal*[tiab] or nicaragua*[tiab] or niger*[tiab] or pakistan*[tiab] or palau[tiab] or panama*[tiab] or paraguay*[tiab] or peru*[tiab] or philippin*[tiab] or romania*[tiab] or rwanda*[tiab] or russia*[tiab] or samoa*[tiab] or sao tome[tiab] or principe[tiab] or senegal*[tiab] or serbia*[tiab] or sierra leone*[tiab] or solomon island*[tiab] or somalia*[tiab] or south africa*[tiab] or sri lanka[tiab] or st lucia[tiab] or saint lucia[tiab] or st vincent[tiab] or saint vincent[tiab] or grenadines[tiab] or sudan*[tiab] or suriname*[tiab] or swaziland*[tiab] or syria*[tiab] or tajik*[tiab] or tanzania*[tiab] or thai[tiab] or thailand[tiab] or timor*[tiab] or togo*[tiab] or tonga*[tiab] or tunisia*[tiab] or turkey[tiab] or turkish[tiab] or turkmen*[tiab] or tuvalu*[tiab] or uganda*[tiab] or ukrain*[tiab] or uzbeki*[tiab] or vanuatu*[tiab] or venezuela*[tiab] or vietnam*[tiab] or viet nam*[tiab] or west bank[tiab] or gaza*[tiab] or palestin*[tiab] or yemen*[tiab] or zambia*[tiab] or zimbabw*[tiab])