

Online Supplementary Document

Table S1. Likelihood of emergency neurosurgical care in India vs Europe

	Unadjusted odds ratio (OR) (95% CI)	Adjusted odds ratio (OR)^b (95% CI)
Likelihood of undergoing intracranial surgery in India versus Europe	4.3 (3.9-4.7)	4.3 (3.8-4.9)
ICP monitor placement	3.2 (2.8-3.6)	2.3 (2.0-2.7)
Emergency intracranial surgery ^a	4.5 (4.1-5.0)	4.6 (4.0-5.2)
Primary DC vs craniotomy	3.5 (2.8-4.3)	4.4 (3.4-5.9)
EVD insertion	0.2 (0.1-0.5)	0.1 (0.06-0.3)
Likelihood of undergoing cranial surgery in India versus Europe for severe TBI	2.0 (1.7-2.4)	1.7 (1.4-2.0)
ICP monitor placement	1.4 (1.2-1.7)	1.0 (0.8-1.2)
Emergency intracranial surgery ^a	2.1 (1.8-2.6)	2.0 (1.7-2.5)
Emergency intracranial surgery for ASDH	2.0 (1.2-3.3)	1.1 (0.6-1.9)
Emergency intracranial surgery for EDH	1.7 (0.8-3.7)	0.8 (0.3-2.0)
Emergency intracranial surgery for contusions	3.4 (2.0-5.7)	2.1 (1.2-3.8)
Primary DC vs craniotomy	4.9 (3.6-6.8)	5.1 (3.5-7.5)
Primary DC vs craniotomy in ASDH surgery	3.0 (1.6-5.5)	2.5 (1.2-5.0)
Primary DC vs craniotomy in EDH surgery	1.4 (0.6-3.4)	2.4 (0.8-7.3)
Primary DC vs craniotomy in contusion surgery	1.7 (0.8-3.8)	2.3 (0.9-5.5)
EVD insertion	0.1 (0.05-0.3)	0.1 (0.05-0.2)

^a Defined as craniotomy for hematoma evacuation and/or decompressive craniectomy

^b The odds ratio was adjusted for age, sex, baseline GCS and pupillary reactivity

Abbreviations: ASDH, acute subdural hematoma; CI, confidence interval; DC, decompressive craniectomy; EDH, extradural hematoma; EVD, external ventricular drain; GCS, Glasgow Coma Score; ICP, intracranial pressure; OR, odds ratio; TBI, traumatic brain injury

Table S2. Causes of in-hospital mortality

	Europe (n=1058)	India (n=413)	P value
Initial head injury, n (%)	580 (55)	142 (34)	<0.001
Secondary intracranial damage, n (%)	141 (13)	195 (47)	
Systemic trauma, n (%)	72 (7)	14 (3)	
Medical complications, n (%)	146 (14)	14 (3)	
Unknown/other, n (%)	119 (11)	48 (12)	

Figure S1. Participating level-1 trauma centers in Europe (A) and India (B)

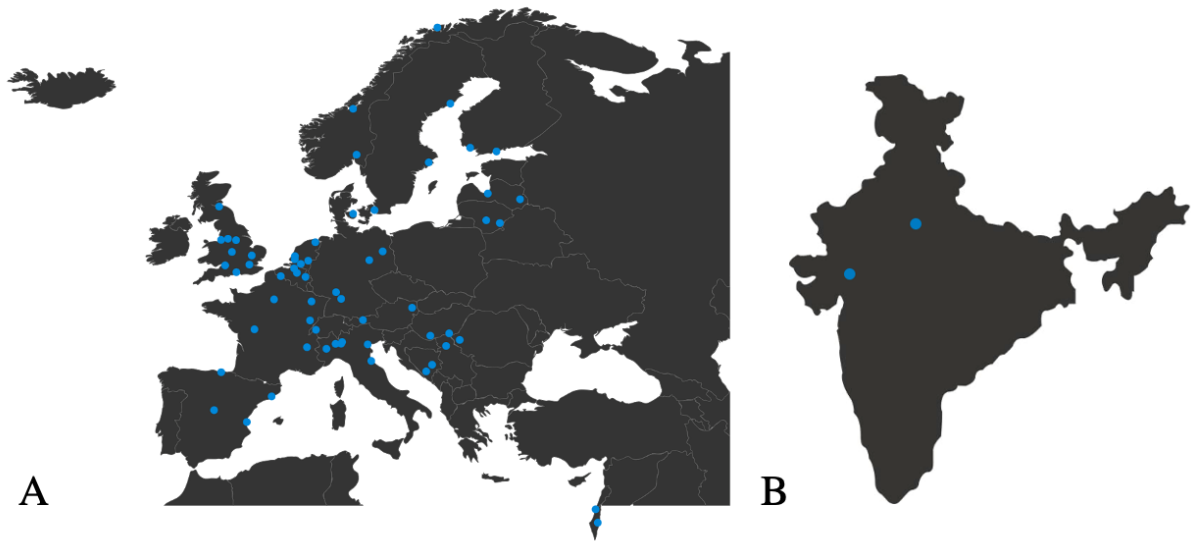


Figure S2. Injury mechanism per age group

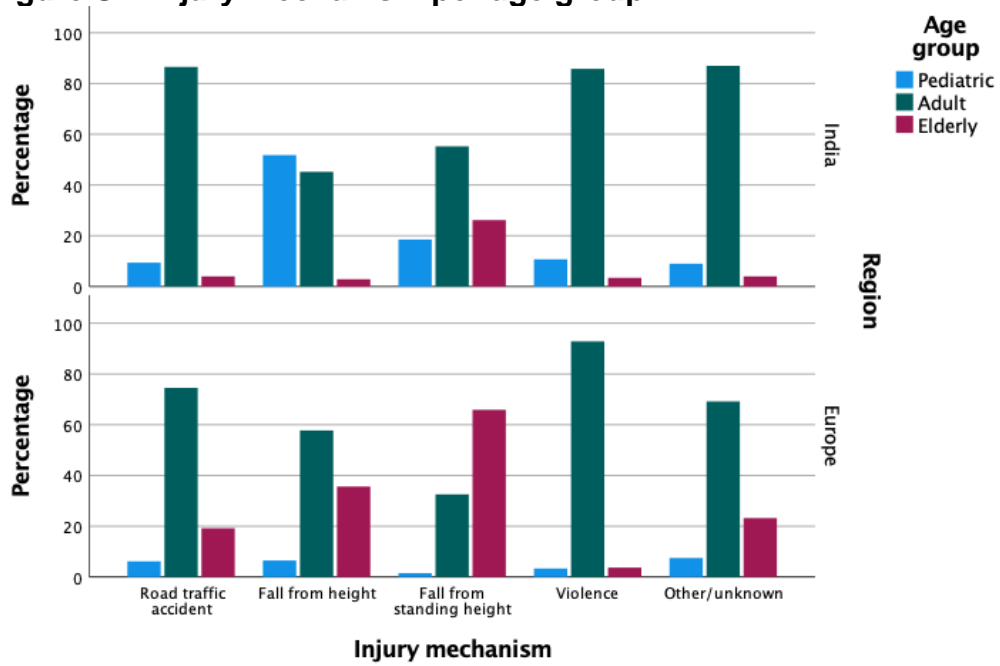
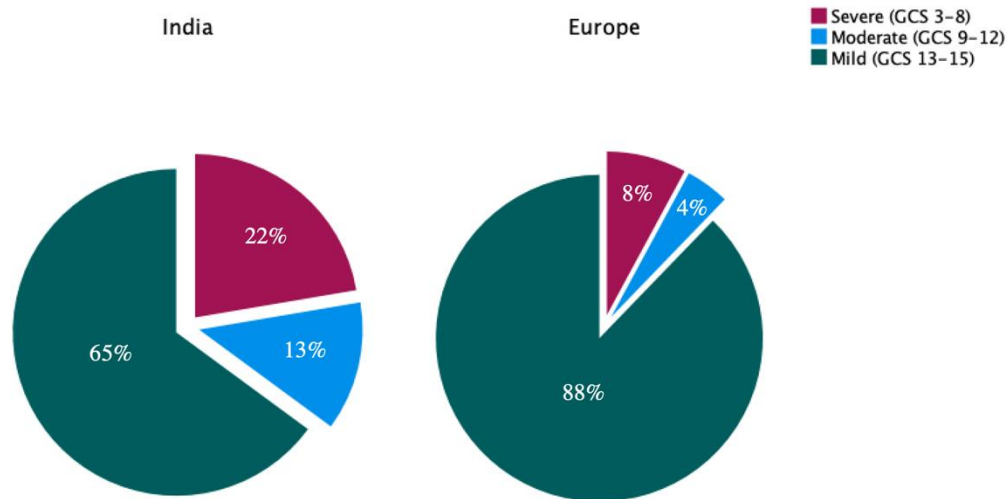


Figure S3. TBI severity at presentation



Abbreviations: GCS, Glasgow Coma Score; TBI, traumatic brain injury

Supplemental material S1. CENTER-TBI and CINTER-TBI participants and investigators

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