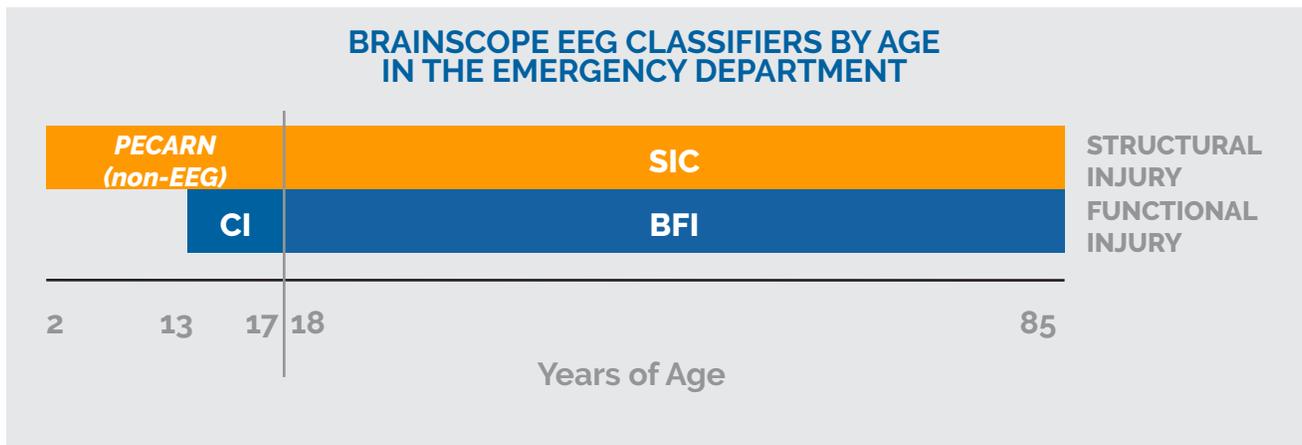


BrainScope®

Emergency department **decision support tools** for patients presenting with closed head injury

Acute injury	Time since injury	Structural	Functional
Ages 2-17	Within 24 hrs	Digitized PECARN	n/a
Ages 13-17	Acute & throughout recovery	n/a	Concussion Index (CI)
Ages 18-85	Within 72 hrs	Structural Injury Classifier (SIC)	Brain Function Index (BFI)



Assessment	Who	Why	Result
Structural Injury Classifier (SIC)	GCS 13-15 Ages 18-85	Likelihood of brain bleed	NEGATIVE, EQUIVOCAL, EVALUATE
Digitized PECARN (non-EEG)	GCS 14-15 Ages 2-17	CT decision rule	NO CT, OBSERVE, CT
Brain Function Index (BFI)	GCS 13-15 Ages 18-85	Probability of brain function impairment	0-100 scales with severity of injury
Concussion Index (CI)	GCS 15 Ages 13-17	Likelihood of concussion	Less than 70 = likely concussed

Note: In an acute setting, CI is often used for ages 13-17, but is indicated for ages 13-25.

