MEDIC

Pediatric Head Injury Measure Specification Flow Diagram Ages 2-17 years old (children)

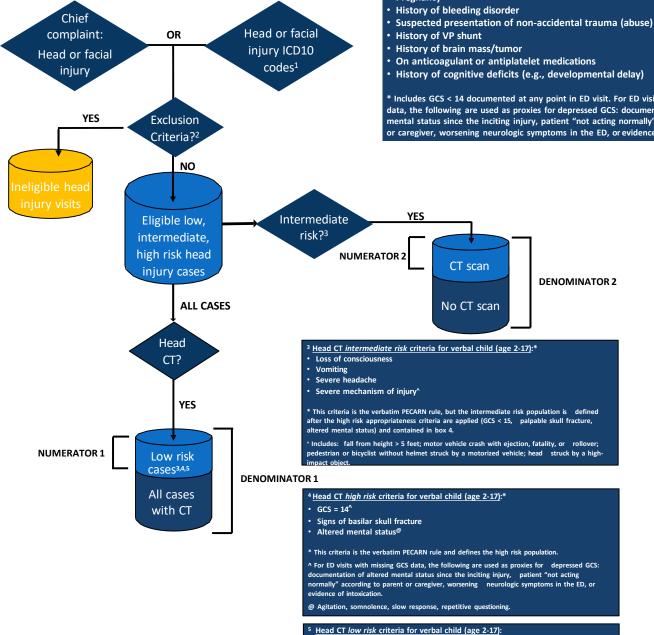
Reference: Kuppermann N, et al. Identification of children at very low risk of clinically-important brain injuries after head trauma: a prospective cohort study. Lancet 2009;374:1160-1170.

Any ICD10 code for head or facial injury (> 400 codes; e.g., concussion, abrasion, contusion, laceration, fracture, etc.)

² <u>Denominator exclusions</u>:

- GCS < 14*
- Injury > 24 hours
- Penetrating injury
- Trauma team activation case
- Pregnancy
- History of cognitive deficits (e.g., developmental delay)

* Includes GCS < 14 documented at any point in ED visit. For ED visits with missing GCS data, the following are used as proxies for depressed GCS: documentation of altered mental status since the inciting injury, patient "not acting normally" according to parent or caregiver, worsening neurologic symptoms in the ED, or evidence of intoxication.



Any case that does not meet intermediate or high risk criteria

Head CT Overuse Measure:

Quality initiative measure reported as: % overuse CT scans

Denominator 1 = ED visits of all eligible minor head injury patients receiving head CT (CPT 70450)

Numerator 1 = ED visits of eligible minor head injury patients with low-risk criteria receiving head CT (CPT 70450)

low-risk cases w/ CT % CT overuse = total # CTs performed

Intermediate Risk Head CT Utilization Measure:

Quality initiative measure reported as: % intermediate risk group with CT scans Denominator 2 = ED visits of eligible minor head injury patients with intermediate risk criteria Numerator 2 = ED visits of intermediate risk group receiving head CT (CPT 70450)

intermediate risk cases w/ CT % CT utilization = total # intermediate risk cases

