

PECARN C–Spine Imaging Rule

for evaluation of children after blunt trauma

- GCS 3-8 or AVPU = U
- Abnormal airway, breathing, or circulation
- Focal neurologic deficits

Consider
CT

NO

- GCS 9-14, AVPU = V or P or other signs of AMS
- Self-reported neck pain or neck tenderness on examination
- Substantial* head or torso injury

Consider
X-Rays

NO

- No risk factors

Consider
Clinical
Clearance

***Substantial injuries defined as warranting inpatient observation or surgical intervention. (Examples of substantial injuries for each body region: skull fracture; pneumothorax; signs of solid organ injury; thoracic, lumbar, or sacral spine fracture; pelvic fracture)**



PECARN

Pediatric Emergency Care
Applied Research Network

Source: PECARN prediction rule for cervical spine imaging of children presenting to the emergency department with blunt trauma: a multicentre prospective observational study. The Lancet Child & Adolescent Health. Published online June 4, 2024. [https://doi.org/10.1016/S2352-4642\(24\)00104-4](https://doi.org/10.1016/S2352-4642(24)00104-4)

This study was funded by the U.S. Department of Health and Human Services (HHS) Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Health Resources and Services Administration (HRSA) Maternal and Child Health Bureau (MCHB) Emergency Medical Services for Children (EMSC) Program. This content and conclusions are those of the authors and should not be construed as the official position or policy of, nor endorsement by, NICHD, HRSA/MCHB/EMSC, HHS, or the U.S. Government.