Kuppermann 2009 Clinical Decision Rule for obtaining a CT scan in children aged 2 years and older.

1. **GCS = 14 or other signs of altered mental status or signs of basilar skull fracture**
   - Yes: 14% of the population with 4.3% risk of clinically important traumatic brain injury. CT recommended.
   - No: Observation versus CT on the basis of clinical factors.

2. **History of LOC, or history of vomiting, or severe mechanism of injury or severe headache**
   - Yes: 27.7% of the population with 0.9% risk of clinically important traumatic brain injury.
   - No: 58.3% of the population with <0.05% risk of clinically important traumatic brain injury. CT scan not recommended. The risk of clinically important traumatic brain injury is exceedingly low, generally lower than the risk of CT induced malignancies.

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