

Evaluating the Accuracy of Clinician-Entered Estimated Dates of Discharge in NICU

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PURPOSE

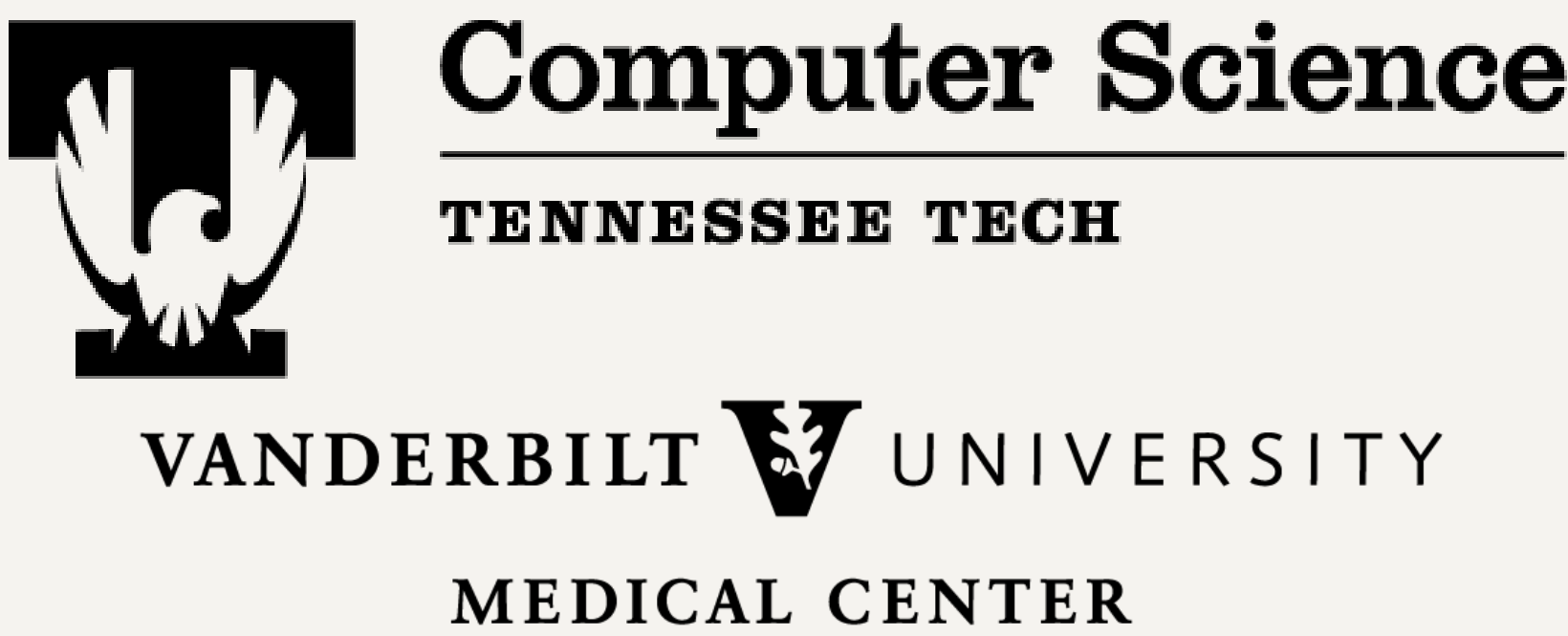
- Establishing an estimated date of discharge (EDD) can help **reduce non-medical delays** in discharge by better preparing support systems.
- There is a **gap in literature** regarding EDD accuracy and entry frequency, **particularly in the NICU**.

METHODS

- 1,158** patients
 - 7,293** EDD entries
 - Study Period: **18 months**
 - Modeled with **glmer/lmer**
 - Exact Accuracy:** EDD=ADD*
 - Broad Accuracy:** EDD≤ADD
- *ADD = actual date of discharge

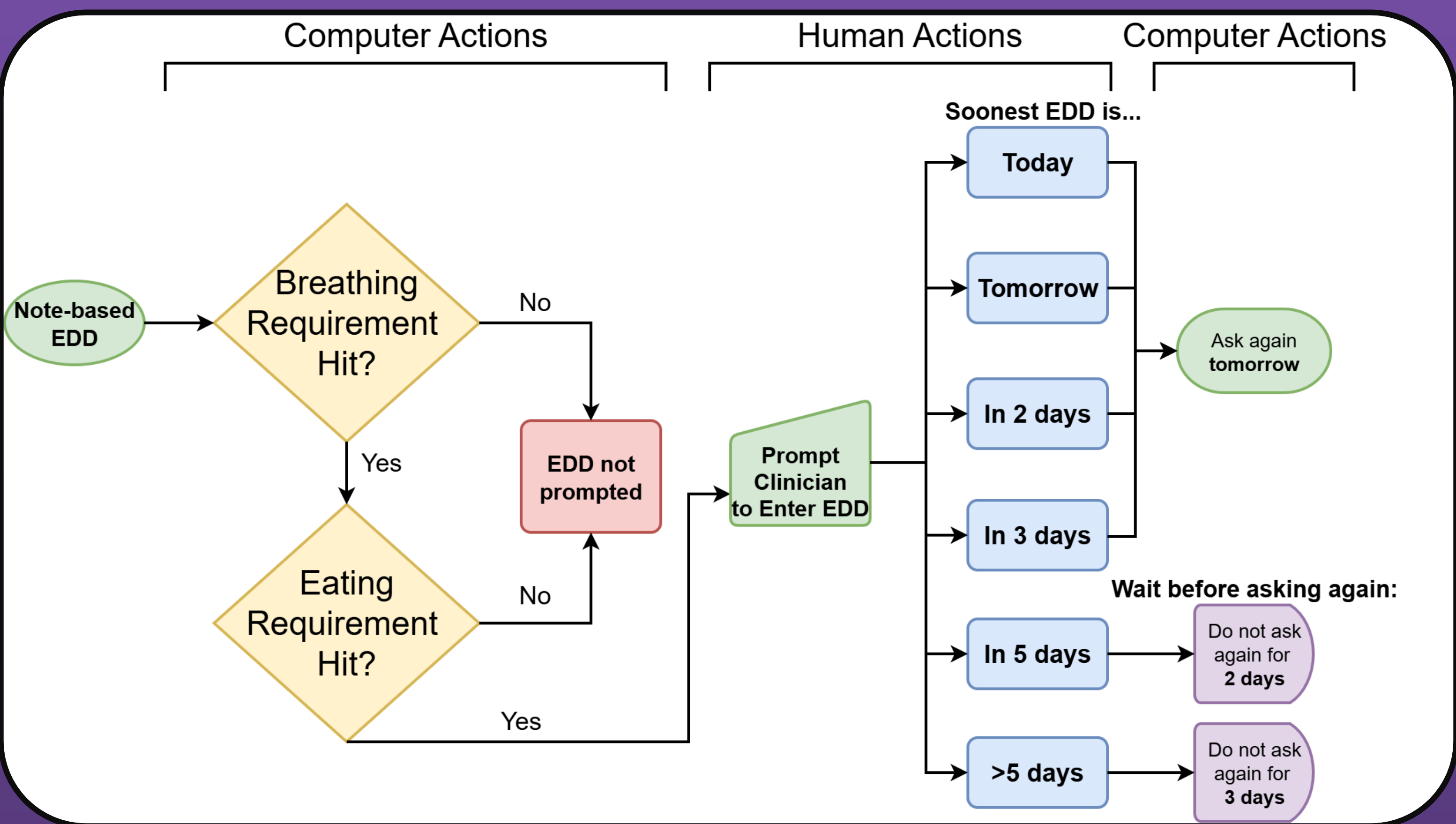
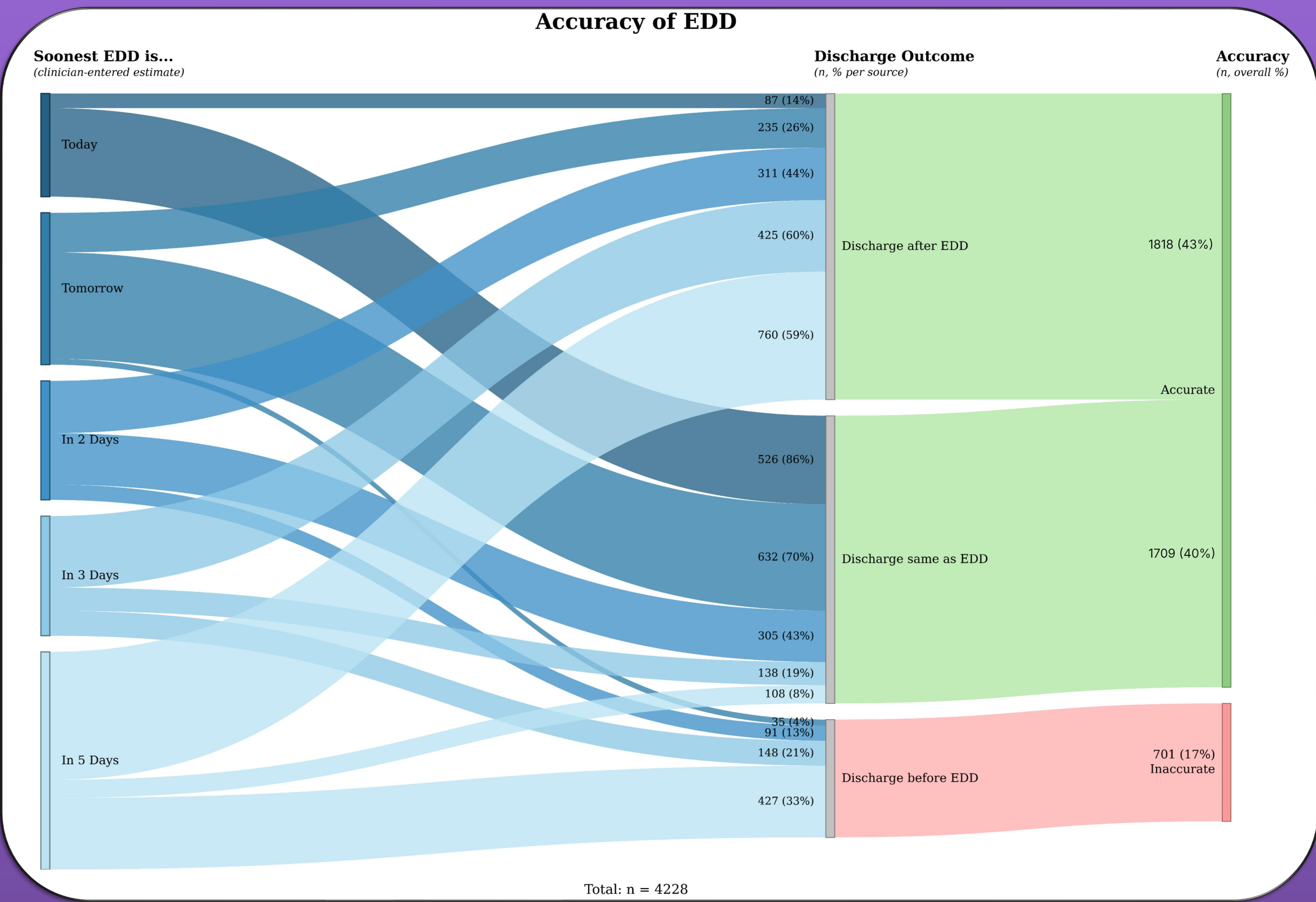
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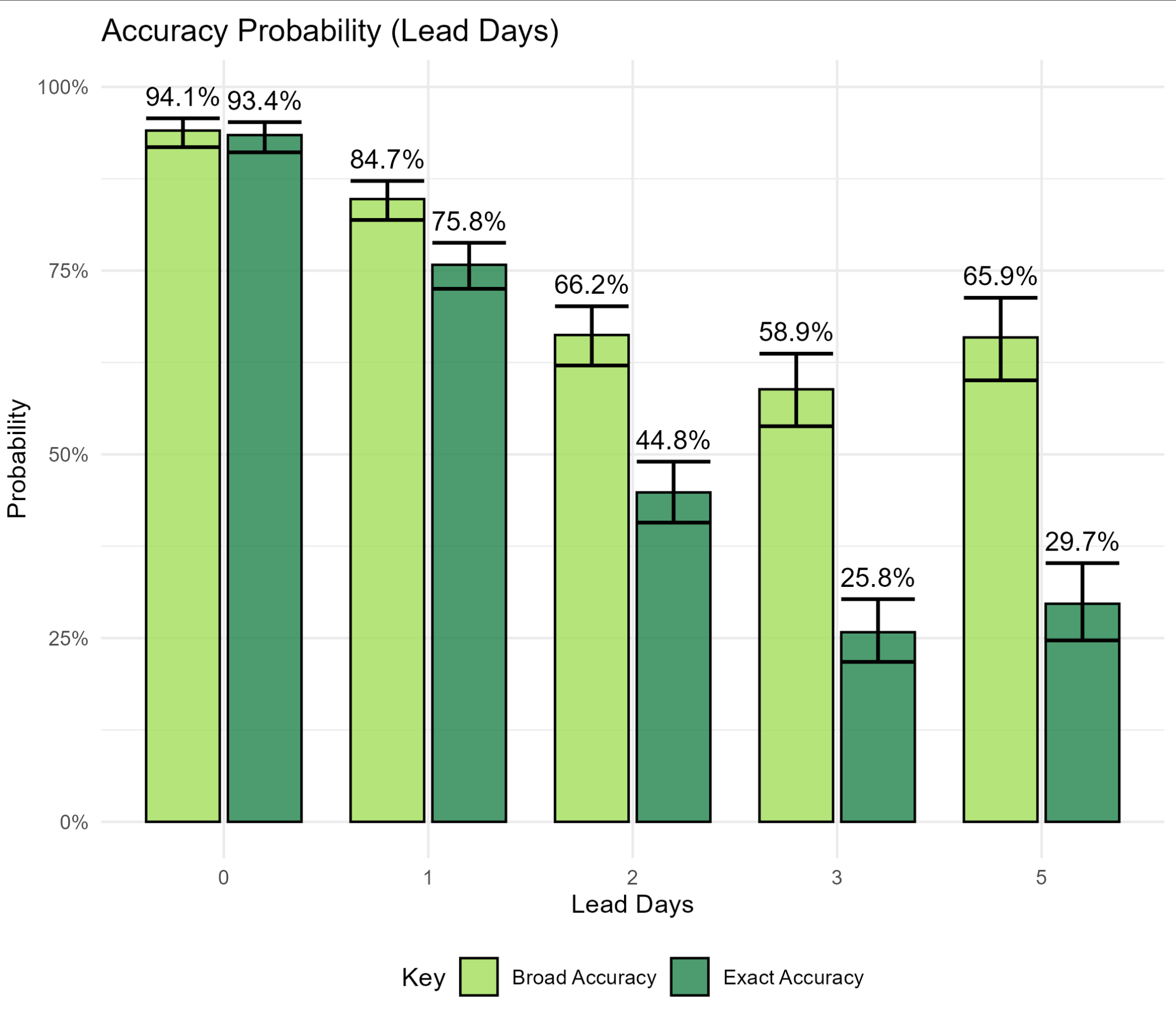


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Established NICU discharge entry and accuracy metrics for future work in predictive modeling



RESULTS



6.1% of prompts to enter an EDD were bypassed
18.8% of patients had at least one EDD prompt bypassed
22.7% of attending neonatologists bypassed over 20 prompts

