

Cancer Registry Prioritization With AI

Helping specialized registry staff focus first on likely positive cancer cases inside Epic Reporting Workbench

- **Primary Challenge:** Reviewing pathology notes and related clinical information for roughly 300 cases per day to determine state cancer registry inclusion.
- **What AI Does:** Pre-reads pathology notes and flags whether documentation likely indicates cancer, then surfaces that result as a sortable work-prioritization column in Epic.
- **Who Benefits:** Cancer registry and abstraction teams that need to spend more time on likely reportable cases and less time on negative reviews.
- **Why It Matters:** Creates a practical triage layer that supports daily prioritization and can be extended to additional registries and data inputs over time.

THE WORKFLOW TODAY

- Highly trained staff review pathology notes and other clinical details case by case to decide whether a patient should be included in the state cancer registry.
- A large share of those cases do not qualify, but they still consume expert review time and slow down work on likely positive cases.

HOW THE AI SOLUTION HELPS

- An AI pipeline analyzes pathology notes before manual review and predicts whether the note likely indicates cancer.
- That signal is displayed directly in Epic Reporting Workbench as a sortable column, making it easy for teams to prioritize their queue.
- The same pattern can be expanded to incorporate additional clinical signals or adapted for other registry workflows.

Operational Impact: Conservative estimates from the draft indicate that extending this approach across 10 similar registries could save roughly 9,000 hours annually and approximately \$220,000 per year, depending on the level of automation used.

Pathology Note



LAB AI



Epic Reporting Workbench

WHERE THIS PATTERN COULD GO NEXT

- Other registry or abstraction workflows where teams need to quickly separate likely positive from likely negative cases.
- Any high-volume review process that relies on reading narrative notes before staff can determine next steps.