Applying Information Retrieval to the Electronic Health Record for Cohort Discovery and Rare Disease Detection
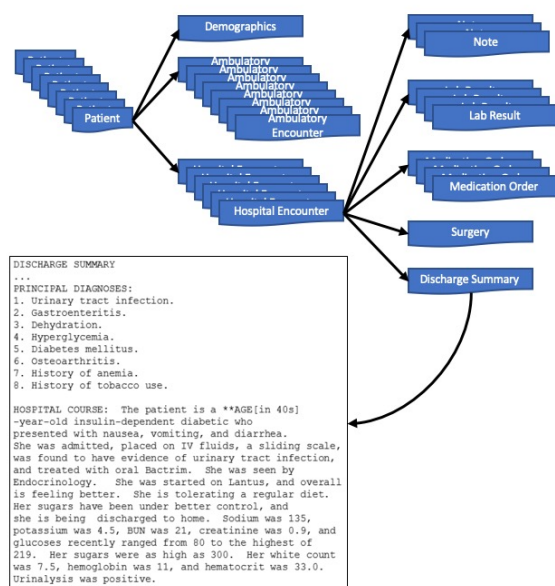
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KEYNOTE ABSTRACT

The last decade has seen rapid adoption of electronic health records in the United States and elsewhere. This has resulted in vast amounts of data that can be re-used for other purposes such as clinical research. However, most of this data is non-standardized and unstructured, making retrieval and other uses challenging. This talk will describe recent research applying and evaluating information retrieval techniques to two use cases: discovering cohorts for clinical research studies and detecting rare diseases.

Overview (partial) of EHR data