

# Chart Search

Primary mentor	<a href="#">Unknown User (jcummins)</a>
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## Abstract

One of the most useful aspects of an electronic medical record system is data retrieval. While OpenMRS has some mature tools for data collection and reporting, we still need a good tool for rapid perusal of patient data. Jonathan Cummins has created a Chart Search tool for Regenstrief that uses SOLR to provide powerful, sub-second Google-like searching of a patient's record. The goal of this project is to build the first version of Chart Search for the OpenMRS platform.

## Project Champions

[Burke Mamlin](#)


## Objectives

- Create a Chart Search module for OpenMRS
- Embed Apache Lucene for indexing of documents
- Create a process to index all patient data (visits, encounter, observations)
- Create an initial UI for searching and filtering patient data

## Extra Credit

- Model the addition of data to the index in a manner that allows other modules to contribute their data
- Create a migration pathway for people starting with Chart Search and embedded Lucene to migrate to a separate SOLR server

## Resources

- The [recording \(starting at 11:15 minutes\)](#) from the [2012-07-26 Developers Forum](#) discussing Regenstrief's Chart Search
-  [TRUNK-3639](#) - Use SOLR to allow clinicians to easily and efficiently search the patient's chart CLOSED and [Unknown User \(dkayiwa\)](#)'s spike on a [SOLR module](#)
- Midterm presentation at [YouTube](#)
- OpenMRS University Presentation: <https://connect.iu.edu/p5ygdtx735c/>