**Project aim:**

In this project, the aim is to represent patient safety indicators in a computer interpretable way by reusing existing standards, or by developing new ones. A clinical dashboard will also be developed that allows new indicators to be created easily and intuitively and ultimately executed against a database of patient records to produce results.

**Deliverable:**

1. A JSON/XML standard for representing performance and safety indicators
2. A user friendly web GUI for designing and viewing the indicators
3. A component to take the indicators and execute them against a database of patient records and return results

**Implementation**:

* developing computer queries to identify patients at risk of hazardous prescribing according to the prescribing safety indicators
* running these computer queries on GP databases and in individual general practices to assess the prevalence of hazardous prescribing and monitoring failures
* piloting the rollout of the expanded set of indicators in Rushcliffe CCG (using a pharmacist intervention as in the PINCER trial) to assess how well indicators perform to detecting patients at risk, and the responsiveness to intervention
* running (most of) the indicators in CPRD (2013)