



# CRUCIBLE

Improving Health data interoperability



## Whats the problem?

There needs to be a way to ensure that critical health data is not lost in exchange between health care providers. **The results of such data loss can be fatal**



## What is the cause of this problem?

To date, there exists **no standardized way** of exchanging computable health data.

### RESULT?

- loss of data in translation
- manual data exchange leading to errors
- inefficiency in time critical care
- impeded transition of care and referrals



## Solution?



### FHIR: The EHR Standard

FHIR is a standard that has emerged as the most likely candidate to fill this gap and thus, **fix the problem of interoperability**

**HOW?** FHIR has created a set of standard web services designed to facilitate access EHR data and existing EHR systems.

As the Health IT community adopts and deploys FHIR-based services, it is critical to test and validate that everyone has implemented their health data exchange in **compliance with the FHIR specification**. Every health system should also be able to demonstrate **interoperable, computable health data exchange**.

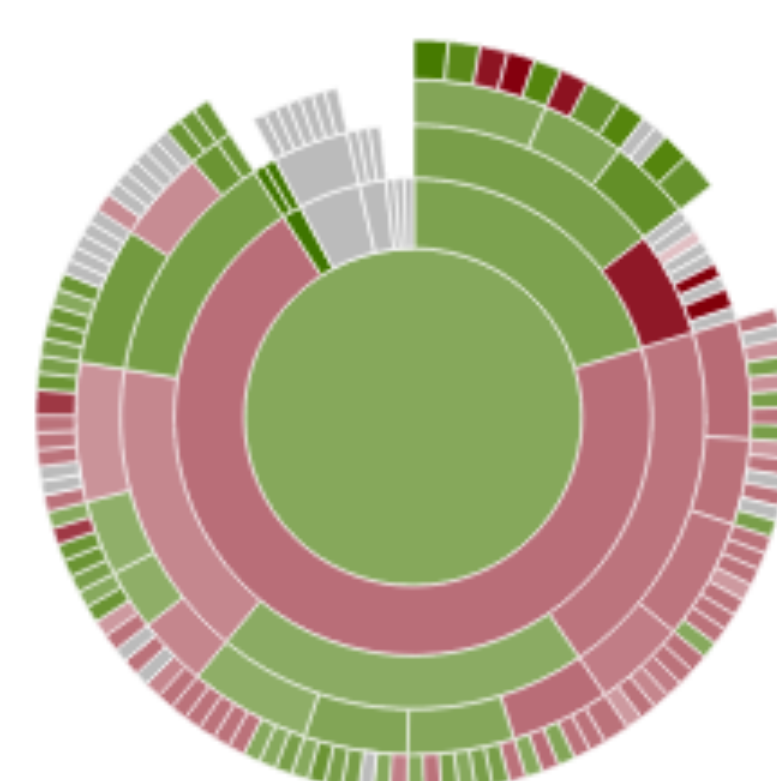
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## The open source FHIR testing tool

- Input a FHIR Interface URL
- Select test suites to run
- See results of suites and overall compliance with FHIR spec

The CRUCIBLE testing tool designed to help ensure accurate implementation of the FHIR standard, and to ensure the interoperability of the data exchange.

Health Data interoperability **will improve quality, decrease cost, and increase access to patient care**



Visualization that shows the overall hierarchy of the FHIR spec, along with test results of the inputted interface