Agenda

- Key FHIR Attributes
- FHIR and Existing Platforms
- Native FHIR
- FHIR and the Final Rule
- Summary
FHIR Everywhere
Operationally, FHIR provides:

- A REST Server with healthcare-specific information model
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- A simple & extensible Data Model
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Adding FHIR to Existing Platforms

- Message & Document Parsers
- Data Transforms
- Database
  - Proprietary Data Model

FHIR Requests

FHIR Resources

FHIR REST API

FHIR Mapping
Native FHIR Clinical Data Repository

- FHIR API
- Database
- FHIR Data Model
- Message & Document Parsers
- Data Transforms

Applications:
- Patient
- Provider
- Payer Access
Clinical Data Processing
Transforming Data into Information

Exchanged Info:
- Cerner CCDA, HL-7 v3
- EPIC CCDA, HL-7 v2
- Labcorp HL-7 v2
- Quest HL-7
- Hospital Lab HL-7
- Radiology HL7,DICOM
- Blue Button
- Other repositories
- Any clinical data
- Etc..

Transform data into standardized FHIR JSON documents.
This lets us take data from any system and make it useful for patients, providers, and payers.

FHIR JSON Documents
Once the data is organized as useful health information, we can build aggregated universal health records.
A Push from the Final Rule

- **ONC Cures Act Final Rule**
  - Interoperability via standardized API: FHIR API
  - Defined set of data elements: USCDI
  - Single patient & multi-patient access

- **CMS Interoperability & Patient Access Final Rule**
  - Claims data available to patients (via FHIR API)
  - Provider directory (via FHIR API)
  - Payer-to-payer exchange
  - ADT notifications
FHIR as a Strong Data Foundation

• Ideal health IT systems technology
  – Fits modern architecture
  – Robust, flexible data model
  – Development friendly

• Meaningful effort is still required
  – Patient matching
  – Data quality
  – Data completeness

• But FHIR is a significant step forward in allowing us to extract information, and value, from our data
Real Interoperability

Your data is locked up in IT systems at multiple hospitals, clinics and laboratories. How do you share it?

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