ONC’s Interoperability Rule: Implications for Access and Use of US CORE

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Interoperability

• The ability of computer systems or software to exchange and make use of information
  • syntactic: *format* of what is said (grammar)
    • e.g., using an exchange protocol over networks
    • e.g., HL7 FHIR, DICOM, XML,
  • semantic: *meaning* of what is said (dictionary)
    • e.g., using a controlled vocabulary
    • e.g., SNOMED, ICD-10
ONC Interoperability Standards

- US Office of the National Coordinator for Health IT (ONC)

Syntax Standard + Semantic Standard
Requirements under ONC Interoperability Rule

All EHRs must offer an API that supports FHIR

Must support USCDI scope
EHRs must make USCDI dataset available via FHIR API

ONC enforcement begins September 30, 2020
2018: Apple Health Records brings USCDI to iPhone

All EHRs must offer an API that supports FHIR

iOS app ecosystem
Android market share: 52% of US, 75% worldwide

All EHRs must offer an API that supports FHIR.
2020: CommonHealth brings USCDI to Android

CommonHealth went live April 30 in Google Play store with UCSF as the first health system

https://commonhealth.org

CommonHealth was developed in partnership with
- UCSF
- Cornell Tech
- Sage Bionetworks
- Open mHealth
The Commons Project is a 501c3 non-profit public trust, established to build digital services that put people first. The Commons Project fills the void between tech companies, government agencies, and traditional non-profits to build and operate the digital services that constitute public infrastructure for the digital era.

The Commons Project was established with support from:

Our Principles:

- We serve peoples’ interests above all
- People should control their private information
- Our services are not influenced by the interests of any third party
- We operate transparently with partners and people
The spigot is open…iOS and Android apps can now get at USCDI

All EHRs must offer an API that supports FHIR

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