CS342/MED253 Building for Digital Health
Lecture 3a: Apple Health Records

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Overview for today

- Health Record Access Overview
- Dr. Ricky Bloomfield
  - FHIR
  - FHIR API
  - Apple Health Records

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cs342-aut1920.slack.com
Consent
visual templates with best practices and a transparent process

Surveys
collect feedback and patient-reported outcomes

Active Surveys
measure body activity using iPhone sensors

More
login flows, passcode creation, charts, etc.
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visual templates with best practices and a transparent process

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login flows, passcode creation, charts, etc.
Assignment #3: Consent & Surveys

Creating the base of our clinical research apps.

Rev. 10.03.2019

Make sure you have access to Google Docs with app content!
Consent
visual templates with best practices and a transparent process

Surveys
collect feedback and patient-reported outcomes

Active Surveys
measure body activity using iPhone sensors

More
login flows, passcode creation, charts, etc.

Health Records
Access to Health Records

- **HITECH Act (2009)**
  - EHR stimulus ($31B)
  - Pts have right to access their records
- **Affordable Care Act (ACA) 2010**
  - Expanded coverage
- **Meaningful Use Stage I**: basic implementation
- **Meaningful Use Stage II** (2012): 5% View / Download / Transmit data
  - Patient portal
- **Meaningful Use Stage III** (2015): VDT + access through API
  - HL7 FHIR Standard (*Fast Healthcare Interoperability Standard*)
  - Describes data formats / elements and API for exchanging EHR data
Access to Health Records

- Individuals’ right under HIPAA to Access their Health information **45 CFR § 164.524**
  - Section of the HIPAA privacy rule
- 30 day time frame from (whole or part)
- May charge nominal fees
- Patients may ask for information electronically
- Covered entity may require a written request
Ricky Bloomfield
@rickybloomfield

Empowering patients through technology at Apple Health. Med-Peds physician & clinical informatician. Jazz saxophonist and swimmer. Most importantly: husband and dad

📍 Cupertino, CA
Assign a member of your team to be a **Project Manager** — do this soon.

Work towards your **midterm & final deliverables**

Divide & conquer.
In-Class Design Thinking Workshop

(time constrained - please show up on time)

+ Mentor Day 1

Thursday, October 10th
Srinath Muralidharan
Engineering manager @ Apple Health
The Future of CareKit & ResearchKit
Oct. 17
Dharmesh Patel
Solutions Architect @ Google Cloud Health

HL7/SMART/FHIR

Nov. 5