MITRE HEALTH DATA MANAGER DESIGN STRATEGY MAP v01

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The following is an initial outline of where the patient-facing Health Data Manager lies in relation to Flux Notes. The outlined list to the left describes tenets / principles that should be followed during the design of the patient-facing Health Data Manager.

GOAL OF DESIGN

Design a service that allows a patient to capture and provide SHR oncology based structured health data that can interact and work with Flux Notes in order to provide a more complete SHR based patient health record, as well as an avenue to generate a more accurate health record using patient-clinician interaction.

DESIGN GUIDELINES

1 COMMUNICATE RELEVANT INSIGHTS.

When the user opens the data manager, default to showing the "best" view that works for 90% of the population. There should be options for other viewing preferences.

Presentation of information should be more accessible, less clinical, less data heavy.

"I want to learn something new that is important to me"

2 MAKE DATA CAPTURE PAINLESS.

Painless entry of data, make it bite-sized.

Different avenues for collection (active input + passive collection), combine this to build insights.

Start with ~25 easy to capture data points. These include oncology elements that are usually not collected in structured form or at all. Data would help the patient and clinician fill important gaps.

3 PROVIDE A METHOD FOR PATIENT-CLINICIAN DATA VALIDATION.

The patient must be able to verify information captured by the clinician during encounter.

Clinician must be able to verify information that patients have inputted into their longitudinal health record.

View encounter information and receipt, and source of data.

Provide ability to verify information within the encounter receipt.

FLUXNOTES patient view(s).
Health data manager

Upcoming design priority

Desktop

Tablet

Mobile

Voice (Alexa, Google Home, Siri)

Wearables

Other smart devices

Views and inputs data

What elements will be capture?
What insights can we make based on them?

Patient inputted data

Simple data to start:
Risk factors
Smoking
Family history

Passive health data collection

EMR patient record

SHR instance of patient record

FLUXNOTES clinician view

Patient encounter data

View and capture data

Patient record insights

Patient data receipt
Lab visualization
History visualization
Medication visualization
... Contraindication viz (future)