

SYSTEM LEVEL PATIENT- CENTERED DATA SHARING

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FRAMEWORK

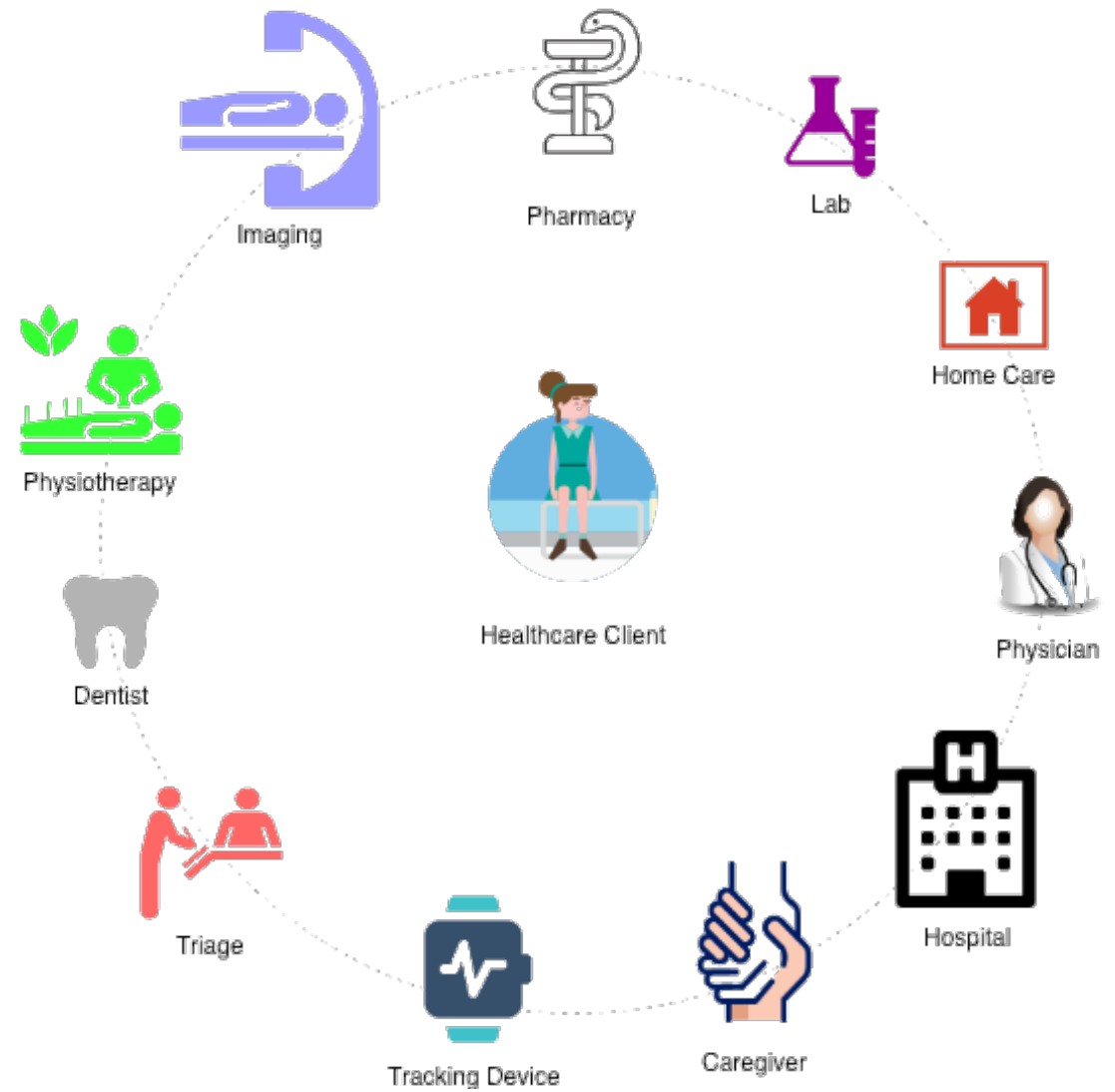


PATH-TO-HOME
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DISCUSSIONS

INTRODUCTION



BACKGROUND

Interoperability
Issues in Healthcare

Technology enabled
Collaborative Care
Delivery

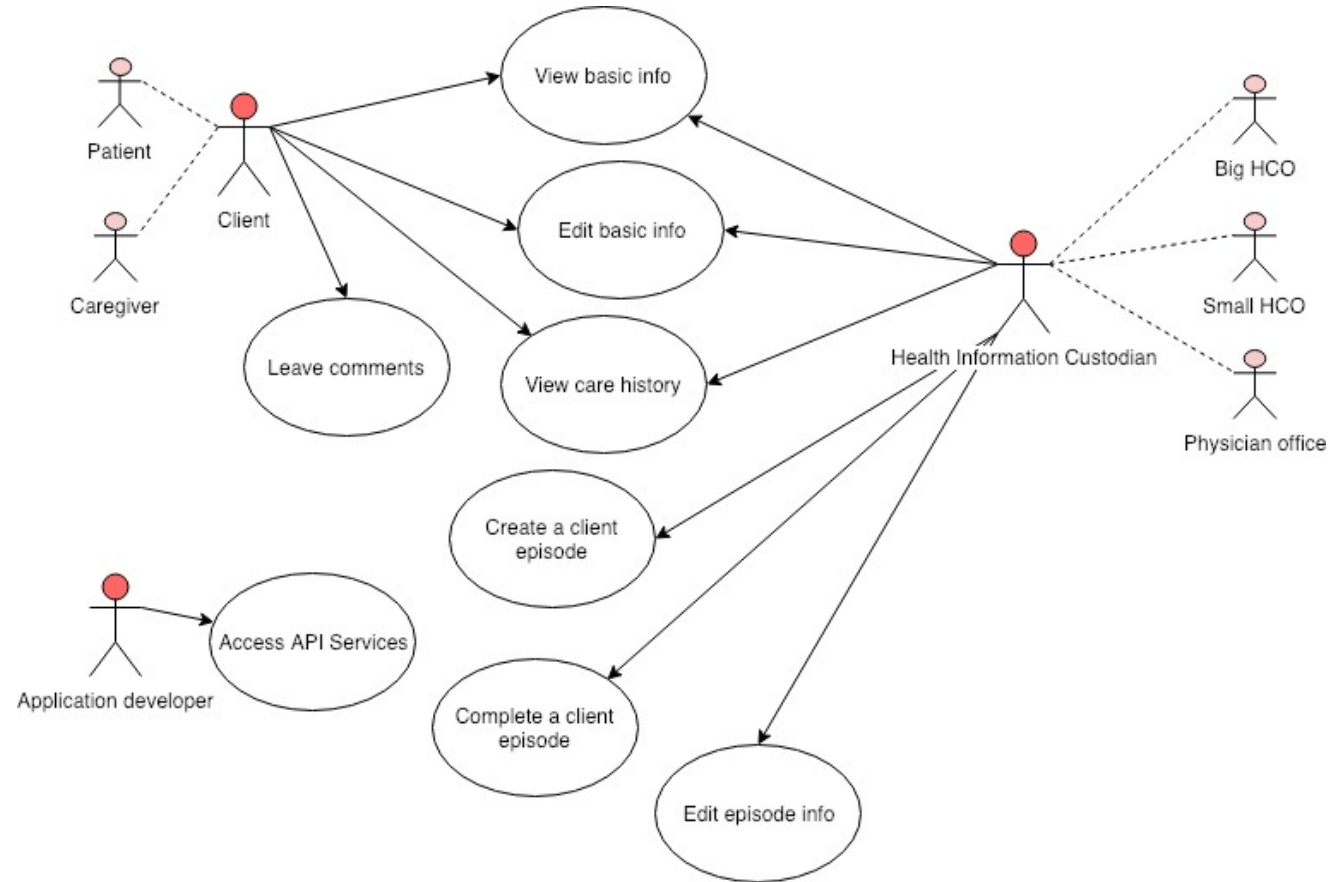
The MyPHR framework provides a systematic approach to enabling sharing of patients' healthcare data across a systemwide circle of care independent of a specific application



MYPHR
FRAMEWORK

MYPHR ONTOLOGY

MyPHR ontology identifies the main actors and a minimum set of data entities for effective “system-level” patient-centered data sharing.



MYPHR GOVERNANCE

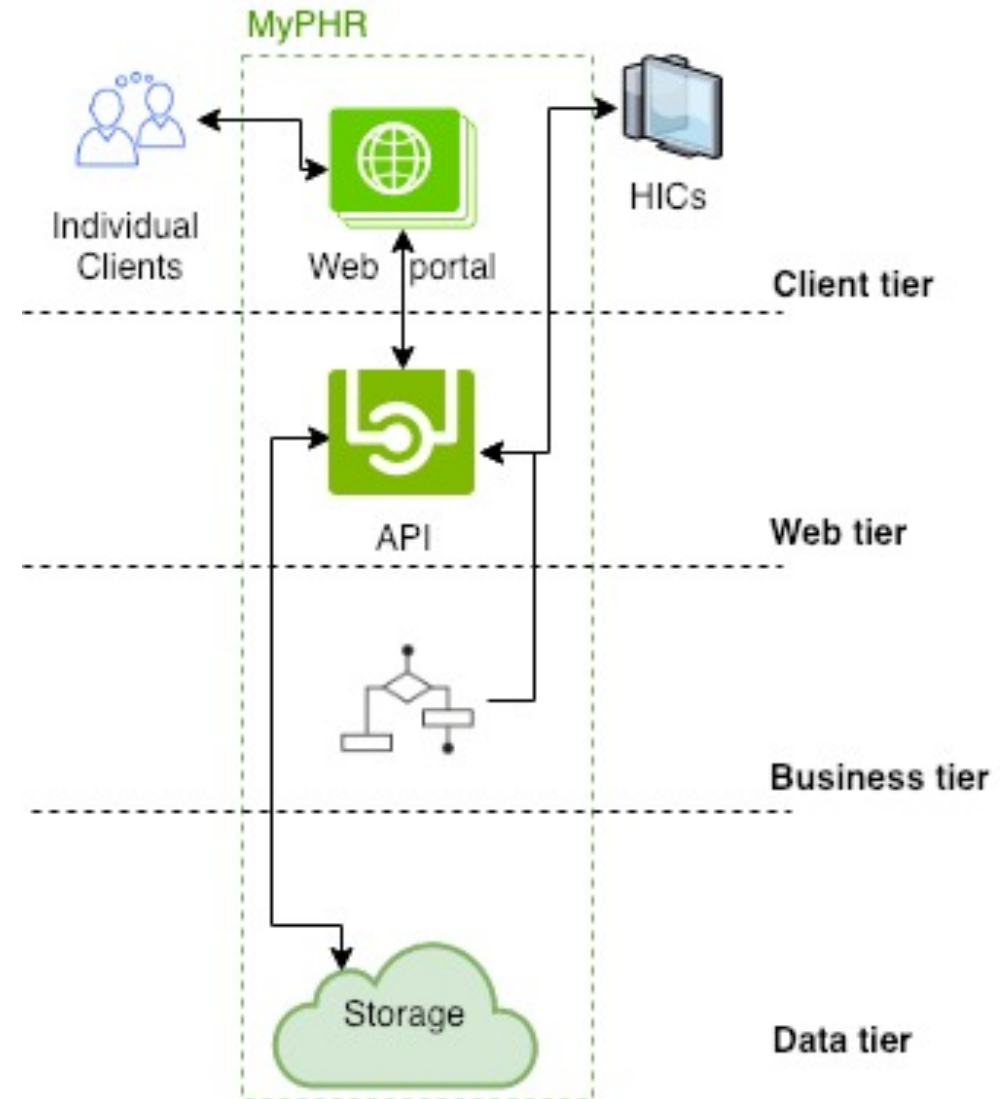
Governance: the control of policies by the system Health Authority (HA)

Administration: the control of registration of HICs and clients;

Access: HIC's can only see data when they have an active Episode, but the Client can always see their full care history;

Secure hosting: HA is responsible for physical storage of the data (cloud hosting), protection of the data, regulatory compliance, and auditing of the access.

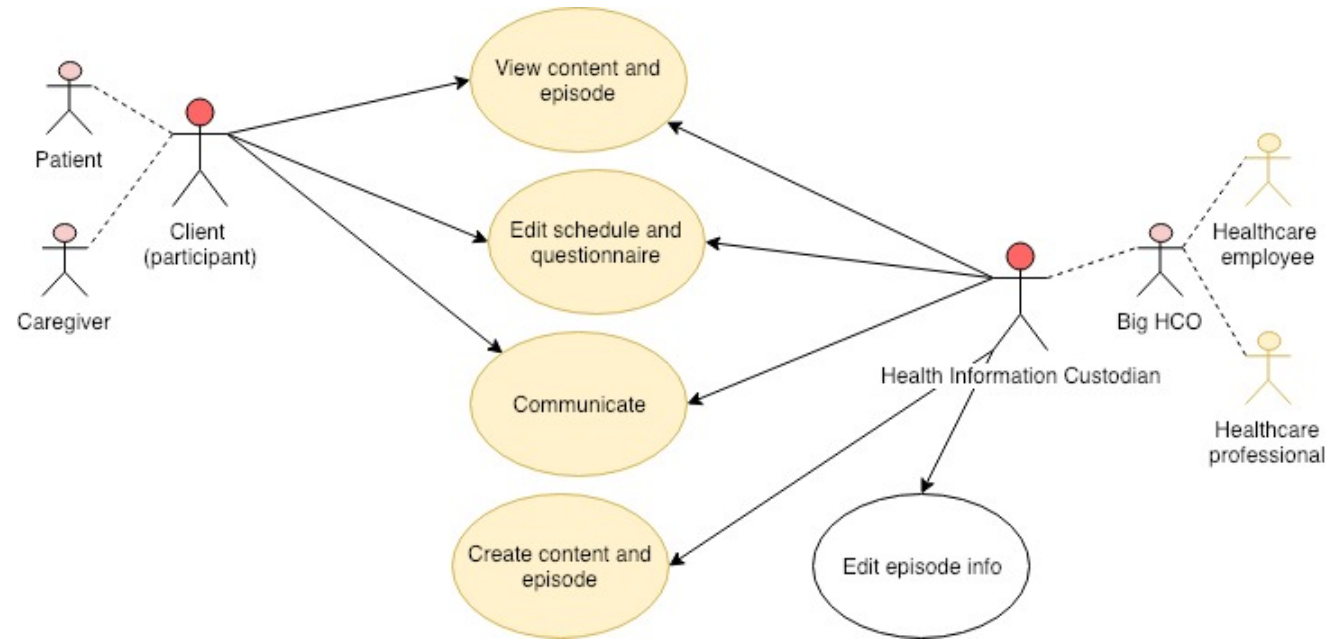
MYPHR ARCHITECTURE



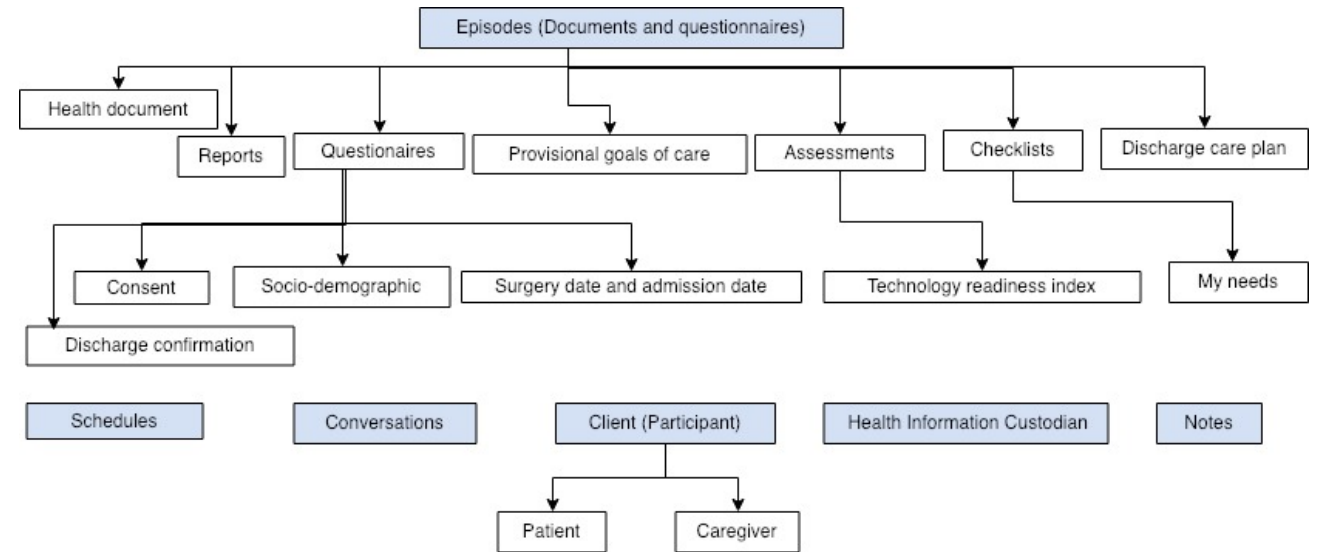
PATH2HOME

Path-to-Home (P2H) [7] is an application to support coordination of healthcare within a patient's circle of care for geriatric rehabilitation after hospital discharge from hip surgery.

It is implemented using the NexJ Connected Wellness Platform [14] which provides cloud-hosted sharing of patient data.



PATH2HOME ONTOLOGY



PATH2HOME GOVERNANCE

Governed by a Private Software
Application Company (NexJ)

- Decision making rights and responsibilities around data usage is delegated to the main HIC
- NexJ, as a Health Authority registers the main HCO (like P2H) and the HCO is responsible for managing the authorization of other healthcare providers to access patient data
- Unlike MyPHR, NexJ does not register patients. The HCO registers the patients they care for.

PATH2HOME ARCHITECTURE



CLOUD-HOSTED
WEB APPLICATION



MOBILE
APPLICATION.



SYSTEM LEVEL DATA SHARING

The background of the image is a close-up, top-down view of a riverbed or stream bed. It is composed of numerous rocks and pebbles of various sizes, shapes, and colors, ranging from light tan and beige to dark grey and black. The water is clear, and the lighting creates highlights and shadows on the wet surfaces of the rocks. A semi-transparent white rectangular box with a thin black border is centered horizontally and vertically, containing the word "GRANULARITY" in a bold, black, sans-serif font.

GRANULARITY



CONCLUSION AND FUTURE WORK



THANK YOU!