

USE CASE 5 – Query HIE for Medical History

Description of Use Case:

Check an HIE for medical history, I.E. the ability to query for patient data via health information exchange.

Goals:

Successfully access relevant patient data that is available from local HIE(s)

Identify the Actor(s) Involved:

Who is sending and/or receiving this information?

Identify people or things outside the system that act on the system (primary) or are acted on by the system (secondary). Primary actors invoke the use case and benefit from successfully completing it. Actors can be people, systems, objects, etc. Briefly describe the role of each actor. Provide a description of both.

Primary Actors:

- Patient, clinic or other health facility, local area HIE(s)

Secondary Actors:

- Hospitals or other providers contributing to the HIE(s)

Use Case Specifics

Preconditions/triggers:

- Patient needs can trigger this event
- Requests from any provider
- Existence of an HIE or data source that is routinely updated
- Appropriated governance rules, security, and education on use

Basic flow

- A patient presents to a health care facility
- The patient is properly identified
- A local HIE is queried for appropriate patient match and all associated reports
- Access is provided and data is made available from the HIE
- Care is provided using this new found information

Alternate flow

- Access is unavailable, so patient data is faxed to clinic or healthcare facility
- HIE is not available, so information is obtained from primary/secondary medical provider
- Patient cannot be located in the database, therefore, care is provided without any additional information being obtained

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Are there post conditions that will be true about the system after the use case has been accomplished? List them.

- Updated information could be sent back to the HIE

Key Resources Recommended:

- Set of resources that must be made available and/or configured to execute the use case. Data, services, systems, etc.

1. Local HIE
2. Access capability
3. Connectivity between systems
4. Appropriate data standards