Subscription FHIR Resource Proposal
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Subscription

Owning committee name
FHIR Project Team

Contributing or Reviewing Work Groups
• MnM

FHIR Resource Development Project Insight ID
Whichever one FHIR works under

Scope of coverage
To allow a client to create a push based subscription on a server so that they get notified of any resources that meet a particular criteria
this is a technical infrastructure resource not directly related to healthcare

• subject: N/A
• disciplines: N/A
• delivery: N/A
• Locale: N/A

RIM scope
Not in scope of the RIM

Resource appropriateness
• The API provides a pull based subscription service through the history operations.
  this works well, but is network intensive. It’s fine for server:server interactions, but not suitable for client/server, especially if the client is a mobile one
• clients need to be able create, track and retire subscriptions
• There are 13 elements in the candidate resource. a few additional ones are under discussion

Other possible related resources
• Message Header - is used for exchanging resources using the messaging paradigm. If we define a protocol for push subscriptions using the messaging paradigm, it would use message header
• Query - the query resource specifies a query. This resource may or may not use the query resource for the actual query that expresses the subscription criteria

Expected implementations
• most servers will need to implement this to support client based subscriptions

Content sources
[Josh's original proposal]: considered prior art

Example Scenarios
• a client asks to be notified any time a new bilirubin result greater than some defined threshold is reported
• a client asks to be notified any time new information on a patient is provided

Resource Relationships
• there are no anticipated relationships
Timelines

- a draft has been defined
- implementation testing is ongoing
- this will be ready for QA/DSTU2

gForge Users

Grahame/Core team