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Contributing to the Priority Areas

• Introduce yourself in the chat (name, affiliation, interest area/skills)
• All interested groups are encouraged to participate
  • Use the chat
  • Raise your hand
  • Discuss on Zulip
• This meeting will be recorded
• We are all working towards the same goal
Desired Outcomes

- **High Value and High Impact**
- **Feasible Within A Year**
- **Align With and Address Gaps in Core FHIR Capabilities**

**Desirability**: Serves an immediate and pressing public health need.

**Feasibility**: Initial scope can be accomplished within a year.

**Compatibility**: Prioritize and address deviations in public health implementations of FHIR.
Agenda

- Deletes
- Business needs for creating patient lists
- Connectathon reminder
Deletes in Scope?

**Helios Bulk Data Priority document:**
Note that the snapshot MAY contain Immunization resources with a status of “entered-in-error” to indicate events deleted from an individual’s immunization history

**Architecture document:**
Related information currently *outside* of Helios scope

Deletes
The Helios Bulk Data scope directs responders to return a full, current snapshot of each individual’s immunization history (versus changes since an earlier point in time, e.g., using the Bulk Data “_since” parameter). Deleted immunization records are to be excluded from that snapshot

- Is there a use case for including “entered-in-error” Immunization resources if we use snapshot mode?
Use Cases Supported

- Healthcare providers preparing in advance of or at the time of patient care
- Public health programs performing case investigations
- Analytical analysis by the querying organization where an enumerated list of patients can be defined in advance of the query (e.g. provider coverage rates)
- Validation of patient immunization history by childcare organizations (e.g. schools, daycares, camps)
- Reminder/recall activities by healthcare providers or payors
- Patient vaccination credentials
Business Needs for Creating Patient Lists

- The Group level operation requires a Group resource exist on the queried system (IIS) containing a list of patients
- How do we create that list in real life?
  - Business needs
  - Variation per workflow
  - Variability of IIS associations of patients with external organizations
  - Impact of frequency and plasticity
Business Needs for Creating Patient Lists

- DaVinci Member Attribution List FHIR IG

Note: Steps 2 and 3a will be repeated as many times as needed until no further changes are needed.
Business Needs for Creating Patient Lists

• Who will be creating the initial list of patients (along with their demographics)?
• Will negotiation be required?
• How often will queries occur?
• How often will the list of patients change (adds, deletes, demographics updates)?
• What is the nature of the IIS’s association of the patient to an external organization (if one exists at all)?
Piloting

- Targeting a Connectathon track in January 2023 (Las Vegas NV)
  - Limit January 2023 to bulk only (assume that a list of individuals in a Group resource pre-exists) – Bulk FHIR IG
- HLN is actively working on their infrastructure
- Optum is participating
- You should join us!
- Upcoming recruiting:
  - CDC IIS Tech Partners meeting (October 27)
  - November AIRA SISC call (November 9)
Thank you for joining today!

Next Call:
Nov 7, 2022 at 12PM Eastern
Use cases for queries for identified patient immunization histories

Assess immunization coverage for groups or entire known populations
• Result in a report / aggregate data generated by the requester
• Examples: Report performance metrics (HEDIS), manage licensing/operational requirements (schools and health care), evaluate vaccination status of specific and known population, post-market surveillance

Plan and carryout vaccination activities
• Use cases of ways to prepare to and actually vaccinate whole groups. These query responses may help with supply orders, staffing, and appointment availability.
• These are the next level in granularity – a line listing of patients is likely the output
• Examples: Perform targeted population outreach and reminder/recall, perform case investigation

Provide routine health care using complete and accurate immunization records
• IIS are queried in bulk, but the information returned is used individually, either by the provider or patient.
• These use cases result in the most granular data – an individual patient’s record is viewed.
• Examples: Prepare pre-visit, provide vaccination history or credentials