MAPPING C-CDA PARTICIPATIONS TO FHIR US CORE, C-CDA ON FHIR AND PROVENANCE

GOAL

- Move toward establishing comprehensive and consistent direction on how to map C-CDA participations to US Core resources that provides the level of detail required to ensure consistent implementation.
- The mappings proposed in this presentation focus on mapping of C-CDA author, informant & performer participations for US Core Conditions and Allergy/Intolerances, but should help illustrate the need for comprehensive and consistent direction on this topic for all PAMPI resources.
- What form should this direction take?
  - Documentation in a new Implementation or Companion Guide?
  - Rubric rules to raise expectation on use of the Provenance Author Participation template?
  - Examples that cover all of the PAMPI entities/resources?
### Intuitive Mapping at the Header Level

- Mapping of C-CDA Header participations to the CCDA-on-FHIR-US-Realm-Header Composition Profile
- Note the parity between C-CDA element name and CCDA on FHIR-US-Realm-Header attributes
- Also note the parity in cardinality

### Mapping at the Entry Level for PAMPI Resources Less Intuitive

#### Proposal
- Map the C-CDA author to the FHIR Condition element
- Map the C-CDA author to the FHIR Condition .asserter
- Note the parity between C-CDA attributes and FHIR

#### Potential Related Concerns
- FHIR Profile currently includes the C-CDA author in the FHIR Condition .asserter attribute

#### Definitions

- **DataEnterer**: An individual who is making the condition statement.
- **Recorder**: An individual who records the record and takes responsibility for its content.
- **Asserter**: The creator of the clinical document. The author element represents the clinical document. The performer is a proposed extension to the base FHIR Condition resource. No counselors.

- **Informant**: Primary physician and any active consulting physicians, therapists, and counselors.

- **Participant**: Particularly their primary physician and any active consulting physicians, therapists, and counselors. Preferably, the patient is implicitly the informant.

- **Participant**: The performer participant represents clinicians who actually and principally carry out the clinical services provided for the patient. In a transfer of care this represents the healthcare providers involved in the current or pertinent historical care of the patient. Preferably, the patient is the performer.

#### FiveWs N/A

#### Condition.extension

- **Problem Observ ation/:**
- **Problem Observ ation/:**
- **Problem Observ ation/:**

#### CDA Header Participations to the

| FHIR | CDA
| --- | ---
| DataEnterer | asserter extension
| Recorder | performer_extension
| Recorder | performer_extension
| Recorder | performer_extension
| Asserter | performer_extension
| Asserter | performer_extension
| Asserter | performer_extension

### About CDA Participations & US Core Profile Agents

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| --- | ---
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Mapping Multiple Authors
Problem Observation to FHIR Condition

Rules for Assigning Type to FHIR Resource
References
DERIVING FHIR US CORE PROVENANCE RESOURCES FROM C-CDA

Deriving US Core Author Provenance from C-CDA Provenance Author Participation

If no explicit C-CDA Provenance Author Participation then no US Core Author Provenance
Deriving US Core Author Provenance from multiple C-CDA Provenance Author Participations

FHIR Provenance