Structured Data Capture
Session 2
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Track Lead
About Me

- Name: Avanti Joshi
- Background:
  - Health Informatics Consultant
    - SDC Project
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Structured Data Capture (SDC) Track

- FHIR Base Specification
  - Questionnaire
  - QuestionnaireResponse
Structured Data Capture (SDC) Track

- **Questionnaire**
  - A structured set of questions intended to guide the collection of answers from end-users.
  - Questionnaires provide detailed control over order, presentation, phraseology and grouping to allow coherent, consistent data collection.

- **Scope and Usage**
  - Past medical history (PMH)
  - Family diseases
  - Social history
  - Research questionnaires/Clinical Research Forms (CRFs)
  - Quality and evaluation forms
  - Patient intake form (e.g. clipboard)
  - Forms to support insurance claims

- Reference: FHIR Base Specification
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- Questionnaire
  - Structure of Questionnaire
    - Two main components – Questionnaire and Item
  - Questionnaire:
    - Main component — holds information about the Questionnaire, like the identifier, publisher, date authored, title, etc.
    - Contains zero or more items — narrative only questionnaire
  - Item: display, group and question
    - display
    - group
    - question
  - Identifiers within Questionnaire
    - identifier
    - id
    - linkId
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- **QuestionnaireResponse**
  - A structured set of questions and their answers. The questions are ordered and grouped into coherent subsets, corresponding to the structure of the grouping of the questionnaire being responded to.

- **Scope and Usage**
  - Past medical history (PMH)
  - Family diseases
  - Social history
  - Research questionnaires and Case report forms (CRFs)
  - Quality and evaluation forms
  - Patient intake form (e.g. clipboard)
  - Insurance claim form

- Reference: FHIR Base Specification
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• QuestionnaireResponse
  • Provides a complete or partial list of answers to a set of questions filled when responding to a questionnaire.
  • The questions may be included directly or by reference to a Questionnaire resource that defines the questions as well as the constraints on the allowed answers.
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• **QuestionnaireResponse**
  
  • This data is collected using user-defined screens and forms.
  
  • Records specifics about data capture - exactly what questions were asked, in what order, what answers were given, etc.
  
  • Each of these questions is part of the Questionnaire, and as such the Questionnaire is a separately identifiable Resource, whereas the individual questions are not.
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- QuestionnaireResponse
  - Captures the responses to a Questionnaire
  - May be stand-alone or point to a Questionnaire
  - Structure of QuestionnaireResponse
    - Can be authored by - Clinicians, Patients or Patients Relatives
    - May be authored by Clinicians if answers are provided by others on Patient’s behalf
    - Therefore distinction between - Author, Subject and Source of Information
  - Links to Questionnaire
    - Structure must be consistent
    - All items should be included
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Thank You