Patient Care Work Group Updates

2020 February – Sydney WGM

Stephen Chu
Laura Heermann Langford
Emma Jones
Jay Lyle
Michelle Miller
Mike Padula
Michael Tan
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Care Plan topics

- **CP DAM 2.0 in progress**
  - Requirements & scope – captured on confluence
  - **Continue to progress key topics:**
    - Social determinants of health
      - Informative paper for CP DAM 2.0 ([done](#))
    - Assessment ([done](#))
    - Gaps in care and related issues ([finalizing](#))
    - Preferences, protocols, order sets ([finalizing](#))
    - Care coordination, etc ([in progress](#))
    - Harmonization efforts: health concern DAM, FHIR (care plan, care team), C-CDA
  - Milestone: informative ballot September 2020

- **IHE technical profile:**
  - Dynamic Care Planning
    - Support care team management while care planning [2019 update]
    - Used to support the Multiple Chronic Disease eCare Plan
    - Based on LHS Care Team DAM work
    - Supports HL7 Care Coordination Services (CCS) Functional Model
    - Uses FHIR R4 resources

- All topics Care Plan: Friday Q1
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Care Plan topics

- Joint U.S. AHRQ-NIDDK Project
- Objective: To develop an interoperable electronic care plan to facilitate aggregation and sharing of critical patient-centered data across home-, community-, clinic- and research-based settings for people with MCC
- Deliverables:
  - open-source clinician facing SMART on FHIR eCare Plan application
  - HL7® Fast Health Interoperability Resource (FHIR®) Implementation Guide

Multiple Chronic Conditions (MCC) eCare Plan Project

- Chronic Kidney Disease
- Diabetes
- Cardiovascular Disease
- Chronic Pain

More info see [here](#)
Multiple Chronic Condition (MCC) eCare Plan
2019 – 2023 Roadmap

- **Track 1**: Develop CIMS, e-care plan app & IG for CKD → Implement & evaluate e-care plan in people with CKD

- **Track 2**: Develop repository & app development collaborative

- **Track 3**: Expand e-care plan data elements & standards: CVD, T2D, Pain → Expand CIIMs & revise e-care plan app & IG

- **Track 4**: Dissemination
MCC eCare Plan Roadmap Sept 2019 to Sept 2020

1. **CIMs**
   - Identify Candidate CIMS
   - Conduct CIM Gap Analysis
   - Modify and Develop new CIMs

2. **eCare Plan APP**
   - Create Development and Testing Environment
   - Develop SMART on FHIR Application
   - Continuous integration and testing

3. **eCare Plan FHIR IG**
   - Identify Use Cases
   - Develop Draft FHIR Implementation Guide for testing
   - HL7 Patient Care Work Group Coordination
   - AHRQ ACTION III Pilot Coordination
   - Technical Expert Panel Coordination

**HIGHLIGHTS**

- **Project Kick-Off 20190923**
- **HL7 May San Antonio WGM**
- **HL7 PSS Due JAN 2020**
- **HL7 Sept Baltimore WGM**
- **APP & IG Ready for Testing at HL7 FHIR Connectathon SEP 2020**

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**Care Team**

In collaboration with Learning Health Systems Work Group

- Care team domain analysis model r1.0 first informative ballot reconciliation completed
- Application of ballot comment dispositions to care team DAM r1.0 and harmonization with FHIR Care Team resource
  - In progress
- Second informative ballot planned for future ballot cycle (May 2020)
- Ballot reconciliation discussions resulted in separate activities to address inconsistency across FHIR pattern related resources
  - In progress
- New CDA Care Team Entries Templates
  - In updated C-CDA Companion Guide
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Child Health

- Essential Information for Children with Special Healthcare Needs
  - For communicating patient special needs and preferences/plans in settings including urgent or emergent care
  - Have created multiple use-cases for complex patients with unique features, such as
    - 2 month-old with metabolic disorder presenting to emergency department
    - 18 year-old with cystic fibrosis transitioning care providers
    - 7 year-old with pervasive disorder and seizures on a ketogenic diet
  - Testing these use-cases with Care Plan resource
  - Also rendering these scenarios via resources in Clinicians of FHIR (CoF) tracks/meetings

- Wednesday Q3 February 5th: Child Health Program
- Exchange information on National initiatives
  - Child health information standards
  - Datasets and HL7 standards
- Presentations from:
  - HL7 Australia Child Health Work group
  - HL7 Netherlands Jeugdgezondheidszorg team
  - US Child Health (PCWG)
- Other teams are invited to join and present their programs.
- Netherland program: contact Michael Tan
- US program: contact Dr Mike Padula
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PCWG Resources Update

• AdverseEvent (Thurs Q4)
• AllergyIntolerance
• CarePlan (joint with PA - Thurs Q1/Q2)
• CareTeam (joint with PA - Thurs Q1/Q2)
• ClinicalImpression
• Communication
• CommunicationRequest
• Condition (joint with PA - Thurs Q1/Q2)
• ConditionDefinition
• FamilyMemberHistory
• Flag
• Goal
• Linkage
• Procedure

■ FHIR Quarters – February 2020
  ➢ Wed Q2/Q3 – FHIR change requests
  ➢ Thurs Q1/Q2: Joint with PA/PC
  ➢ Thurs Q4: AdverseEvent
Other PCWG projects

Sponsored project - IPS

- International Patient Summary (IPS) – FHIR Implementation Guide
- IPS: a minimal and non-exhaustive patient summary, specialty-agnostic, condition-independent, but readily usable by clinicians for the cross-border unscheduled care of a patient. It supports:
  - Cross-jurisdictional summaries
  - Emergency and unplanned care in any country, regardless of language

PCWG Tuesday Q2

- IPS overview and project status
- Block votes on FHIR IG ballot and non-ballot comments
- Connectathon feedback
- FHIR IG Publication plan – finish preparations for publication request!

EHR WG Thursday Q2

- CDA IPS IG ballot comments
- Cross-SDOs IPS initiatives - ISO 27269, IHE IPS, SNOMED CT free set
- Relationship with IPA
- Future plans
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Collaborative C-CDA Templates Review
Joint effort between PCWG and SDWG (CDA Mgmt.)

- Key objective: identify differences in the published artefacts from both groups, and attempt to harmonise these artefacts from both the clinical and technical perspectives to achieve semantic interoperability.

- Starter artefacts/topics:
  - Allergy/Intolerance
  - Health Concern
  - Problem (including ProblemConcern Act, Problem observation, Condition)

- Fortnightly conference call (recommenced in 2019 Sept):
  - 1st and 3rd Mondays of each month, 5:00pm US Eastern time
  - https://join.freeconferencecall.com/patientcare
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Updates

- Your contributions/inputs and support are critical to the success of all PCWG projects
- Please join us at the weekly conference calls:
  - Collaborative C-CDA Templates review: 1st and 3rd Monday 5:00pm US Eastern
  - Clinician-on-FHIR: Tuesday 5:00pm US Eastern
  - Care Plan DAM/MCC eCare Plan: Wednesday 5:00pm US Eastern
  - PCWG FHIR: Thursday 5:00pm US Eastern
  - IPS: Wednesday 11:00am US Eastern
  - Online Meeting Link: https://join.freeconferencecall.com/patientcare
    Online Meeting ID: patientcare
  - Phone Number: +1 563-999-2090; Participant Passcode: 792564