Dental Data Exchange

Committee Approval Date:
PSS approval timeline: TSC approval on March 9, 2020
FHIR IG Proposal: approved by committee on ___________

Publishing Lead:

- Dave deRoode

Contributing or Reviewing Work Groups:

- Payer/Provider Information Exchange (sponsor); Structured Documents (co-sponsor); Patient Care (interested party)

FHIR Development Project Insight ID:

- 1553

Scope of coverage:

- The guides will specify exchange standards for sharing information between dentists and other dental providers as well as between medical and dental providers.

Content location:

https://build.fhir.org/ig/HL7/dental-data-exchange/

Proposed IG realm and code:

- us/dental-data-exchange

Short Description:

- This IG will define exchange of medical and dental information within medical/dental and dental/dental realms, including referral and corresponding consult note using US-core, CCDAonFHIR, Occupational Data for Health, and Da Vinci profiles.
Long Description:

- There currently does not exist a standard for the exchange of discrete dental observations between dental providers. While some Dental EHRs have implemented the C-CDA for data exchange, it was built primarily for medical care, and does not include the structured data elements necessary for use by dental providers.

- Sharing dental information exchange between the medical and dental community is limited to exchanges using paper or attaching pdf documents to a secure email and sharing directly. In addition to a FHIR IG, there will be a CDA IG created/balloted in parallel. Creation of a dual electronic exchange in both FHIR and CDA will provide new implementers flexibility in technical approach.

Involved parties:

- Stakeholders: Clinical and Public Health Laboratories, Standards Development Organizations (SDOs), Payors, Other
- Other Stakeholders: Dental Providers, Patients, Clearinghouses, Federal Health Sector/Institutions, Registries, Schools
- Vendors: EHR, PHR, Health Care IT, Lab, Other
- Providers: Clinical and Public Health Laboratories, Local and State Departments of Health, Healthcare Institutions (hospitals, long term care, home care, mental health), Other
- Other Providers: Federal Health Sector Providers

Expected implementations:

US Department of Defense, US Department of Veterans Affairs, and affiliated contractors
VA - Document Storage Systems (DSS)
DoD - Corporate Dental System (CDS)
DoD - Henry Schein Dentrix

Content sources:


Example Scenarios:

1. Medical provider refers patient to general dentist for further evaluation and management of dental conditions (ie poor dental hygiene); dental provider subsequently sees patient and sends consult note back to referring medical provider
2. General dentist refers patient to dental specialist for evaluation and therapy of a specific dental finding/condition (ie possible restoration of #30 w/ possible cracked DB cusp)

IG Relationships:

Dependent on:
US-Core (3.1.0)
CCDAonFHIR (current)
Occupation Data for Health (1.0.0)
Da Vinci HRex (0.1.0)

Timelines:

Define data requirements - JAN 2020
Complete Modelling - MAY 2020
Ballot STU1 - SEP 2020
Complete STU1 Ballot Reconciliation - JAN 2021
Publish STU1 - MAR 2021
Ballot STU2 - JAN 2023
Complete STU2 Ballot Reconciliation - MAY 2023
Publish STU2 - AUG 2023