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Where There's Smoke...There's FHIR®

Disclosure



- Gevity staff volunteer their time to help develop national and international standards.
- Gevity provides consulting services to implementers of the standards.

Purpose



- Explain why HL7 FHIR is receiving so much attention
- Help you determine if FHIR is likely to be relevant to your own interoperability needs





HL7's most recent Draft Standard

- Fast (to design & to implement)
 - Relatively. No technology can make integration as fast as we'd like
- Healthcare
 - That's why we're here
- Interoperablility
 - Ditto
- Resources
 - Building blocks

FHIR Manifesto



- Focus on implementers
- Keep common scenarios simple
- Leverage existing technologies
- Provide human readability
- Make content freely available
- Support multiple paradigms & architectures
- Demonstrate best practice governance

Why all the "buzz"?

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This is the 1st DSTU version of FHIR. There's also a developmental version, and a Nightly Build.

0 Welcome to FHIR® 6

First time here? Read the high level summary and then the FHIR overview / roadmap. See also the open license.

Major Sections:



Quick links:

Documentation

- Resource List
- XML & JSON
- · REST API & Search
- · Data Types
- · Using Terminologies
- Extensions
- · Full table of contents

Implementation

- Downloads
- · FHIR Schemas & Schematrons
- · Examples: XML, JSON
- · Code: Java, C#, Pascal
- · Common Use Cases & Profiles
- Security
- · Support Links

External Links

- · Support: Stack Overflow (When to use)
- · Public Test Servers & Software
- FHIR Wiki
- · Blogs that cover FHIR
- Translations: Japanese

- Everything a developer needs in one place
- Easy to navigate & read
- Free 24x7 test servers and API generators for

Search the FHIR Specification: §

Google™ Custom Search

Clinical

General:

- AllergyIntolerance
- ClinicalAssessment
- Condition (aka Problem)
- ReferralRequest
- Procedure
- Contraindication
- RiskAssessment
- VisionPrescription

Data Collection & Care Plan:

- Questionnaire
- QuestionnaireAnswers
- FamilyHistory
- CarePlan
- CarePlan2
- Goal

Medication, Immunization & **Nutrition:**

- Medication
- MedicationPrescription
- MedicationAdministration
- MedicationDispense
- MedicationStatement
- NutritionOrder
- Immunization
- ImmunizationRecommendation

Diagnostics:

- Observation
- DiagnosticReport
- DiagnosticOrder
- ImagingStudy
- ImagingObjectSelection
- Specimen
- BodySite

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Administrative

Attribution:

- Patient
- RelatedPerson
- Person
- Practitioner
- Organization
- HealthcareService

Entities:

- Contract
- Device
- DeviceComponent
- DeviceMetric
- Location
- Substance
- Group

Workflow Management:

- Encounter
- EpisodeOfCare
- Alert
- Communication
- CommunicationRequest
- Supply
- DeviceUseStatement

Scheduling / Ordering:

- Appointment
- Appointment Response
- Schedule
- Slot
- Order
- OrderResponse
- DeviceUseRequest
- ProcedureRequest

Infrastructure

Support:

- Media
- Basic

ant to enter text.

SecurityEvent

Documents & Structure: Exchange:

- List
- Composition
- DocumentReference
- DocumentManifest

- MessageHeader
- OperationOutcome
- Subscription
- Bundle
- Binary

Conformance:

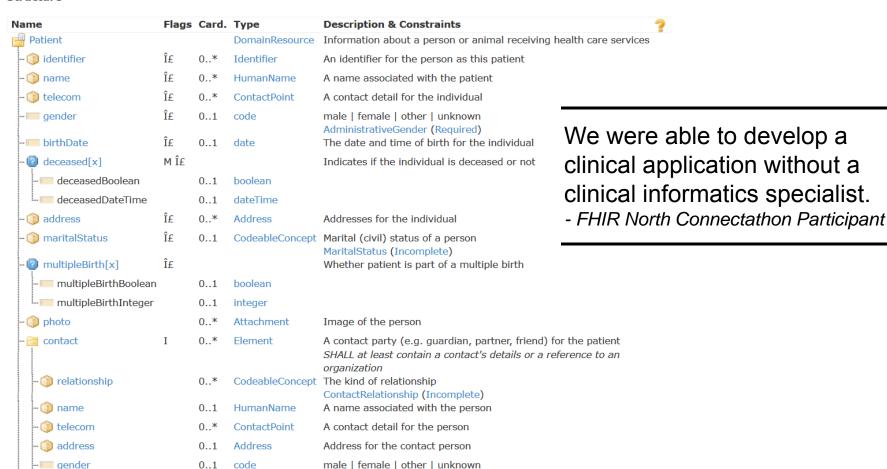
- Conformance
- Profile
- ExtensionDefinition
- DataElement
- SearchParameter
- OperationDefinition
- ValueSet
- NamingSystem
- ConceptMap

nier world

Resource Definitions



Structure







- Still "Draft Standard for Trial Use"
 - Won't be normative until 2017
- However, very active implementation already
 - 15+ connectathons to date
 - 150+ organizations have participated in at least one
 - 260+ people on FHIR Implementers chat
 - Implementation happening in 20+ countries
 - Jurisdictional EHRs
 - Large institutions
 - Startups





- Office of the National Coordinator (ONC) for Health IT
 - Figure prominently in their Shared Nationwide Interoperability Roadmap released in January
- CommonWell Health Alliance
 - Coalition of vendors such as Allscripts, Cerner, McKesson, MEDITECH, etc. working to develop exchange solutions across business boundaries.
 - Public declaration of support for FHIR¹
- University Health Network
 - HAPI FHIR test server and java API http://fhirtest.uhn.ca/

Should you care?



- Product vendors
 - New application
 - Integration with major HIS'
- Jurisdictions
 - Green field data exchanges (mobile & others)
 - Inter-jurisdictional data exchange
- Clinicians
 - Spend more time on user interface and workflow, less time on interoperability
 - Profiling to see the data you want w/o hard coding



Where can you learn more?

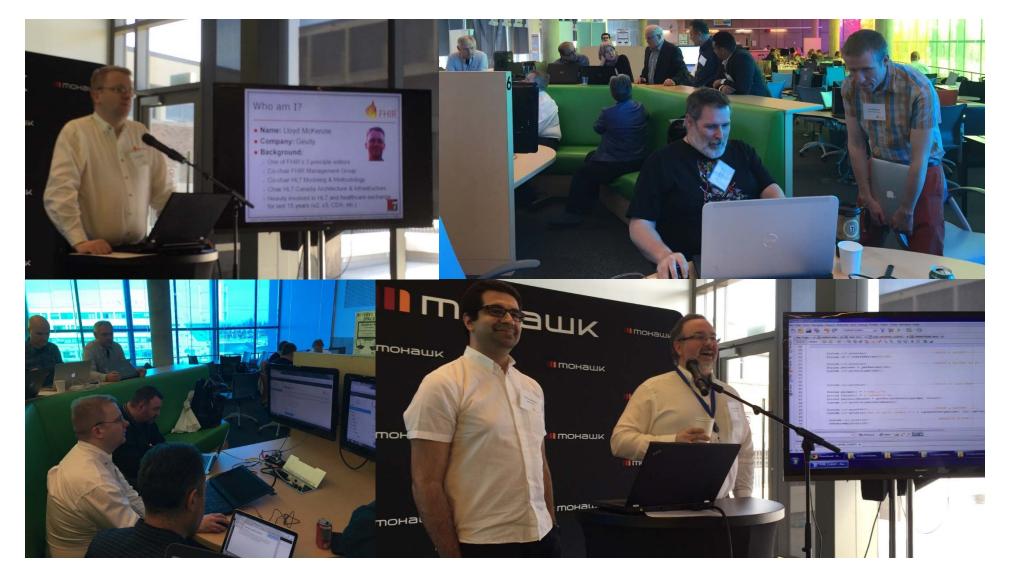


- Attend a Working Group Meeting
 - Tutorials, Connectathons
 - October 2-9, 2015 Atlanta
 - May 8-13, 2016 Montreal
- Attend an Implementation Workshop
 - Intensive tutorials, hands-on
 - July 13-15 DC
- FHIR Institute Webinars April 20-24
- FHIR Developer Days Nov 18-20, Amsterdam
- FHIR North Canada's FHIR Connectathon
 - 2016 Date TBD Likely April in conjunction with Apps for Health Conference

FHIR North

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Canada's First FHIR Connectathon



Thank you





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