

Workshop on FHIR: An Implementer's Guide

HL7 FHIR

The Future of Interoperability is Now

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IHIC
Athens
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Fresh Look asked,
“What would interoperability look like
if only we could start over?”

And not throw out the good stuff
we learned along the way.



Perfection is achieved,
not when there is nothing
more to add,
but when there is nothing left
to take away.

Antoine de Saint-Exupery



HL7® FHIR®

Fast Healthcare Interoperability Resources

FHIR focuses on
implementation*

* and implementers



FHIR enables an
evolutionary development path
with other HL7 standards
and with those of other SDOs



FHIR is Free

FHIR is licensed through Creative Commons without fees or royalties



“You can accomplish anything in life,
if you don’t mind who gets
the credit.”

Harry Truman

Collaboration
is not what we do when we
run out of ideas or money.

Collaboration
is where we begin.



HL7 FHIR Foundation

is the home for implementers,
supporting an Implementation Registry,
reference implementations & tools,
and a Community Forum.

www.FHIR.org



The Argonaut Project is not just an example of a successful private-sector initiative.

It's a model for how to get things done.



SMART on FHIR

SMART is a 6-year project at
Boston Children's Hospital,
funded by the Department of Health & Human
Services
to enhance health data interoperability



SMART on FHIR Apps Gallery

The screenshot displays the SMART on FHIR Apps Gallery website. The header includes the SMART logo, "App Gallery BETA", and navigation links for "Add New Listing", "Your Listings", a search bar, and a "Login" button. A left sidebar lists various app categories, with "Featured Apps" selected. The main content area, titled "Featured Apps", lists several applications with their respective icons, descriptions, and "View" buttons. Each app entry also includes metadata for support, specialties, and target audience.

App Name	Developer	Support	Specialties	Designed for
Adherence - Surescripts Medication Management Solution	Surescripts, LLC	Web		Clinicians & Patients
Aggregated Patient Data	1upHealth	Web	Trauma	Clinicians & Patients
Bilirubin Chart	Intermountain Healthcare	Web	Pediatrics	Clinicians
BP Centiles v1 (Open Source)	Boston Children's Hospital	Web	Pediatrics, Cardiology	Clinicians
BP Centiles v2	MedAppTech	Web	Pediatrics, Cardiology	Clinicians
Cardiac Risk	Boston Children's Hospital	Web	Cardiology	Clinicians & Patients
CHF Predictive Analytics	SFO Technologies	Web	Cardiology	Patients

<https://apps.smarthealthit.org/>



CDS Hooks

has established a FHIR-based process for integrating multiple clinical decision support databases into point of care solutions.



Partners in Interoperability

Is a diverse coalition of stakeholders
collaborating on a single platform
reusing the data for many purposes

Oct.18-19 Johns Hopkins
Mar. 21-22 Georgia Tech



Partners in
Interoperability™

The tech community,
from Google to IBM Watson to Apple,
is working to integrate
the FHIR platform
into their products and roadmap.



US Federal agencies,
including FDA, CDC,
NIH, DoD, VAH, and
others have active FHIR
integration programs



The EMA is evaluating the capabilities of HL7 FHIR for *Real-World Clinical Trials*



EUROPEAN MEDICINES AGENCY



International BioPharma
is leveraging HL7 FHIR
for real-world clinical trials,
post-marketing bio-
surveillance, and genomics
integration.





*Sync4Science,
Sync4Genes,
& DIGITize*

use FHIR to enable
Genomic Data for
Precision Medicine,
Translational Science,
& Clinical Decision Support



Devices on FHIR

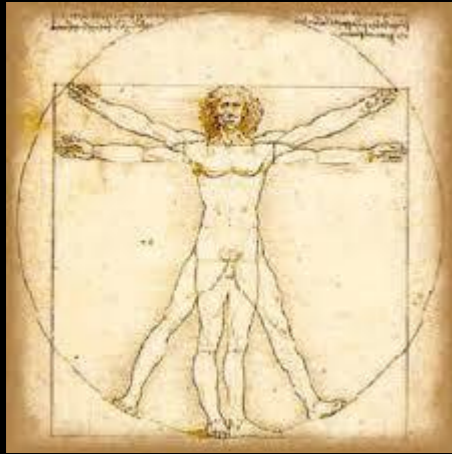
A collaboration of device manufacturers & technology vendors committed to seamless exchange of data between clinical devices and health information systems



Quality Measurement
enabled by HL7 FHIR
to increase the efficiency of
quality reporting and
reduce the burden of data
collection

Digital Quality Summit
Washington
November 1-2, 2017





Da Vinci Project

Advancing “Value-Based Care”
by leveraging FHIR for the capture of
granular clinical data from patient records
to improve quality, to reduce costs,
and to enhance care management

November 2, 2017
Washington



Joint Partners in
Interoperability
& FHIR Roundtable
Conference
will bring together
the Dreamers & the
Developers

LSU School of Medicine
New Orleans
December 5-7, 2017



More than four hundred clinical organizations, IT developers, government agencies and healthcare systems *worldwide* are now committed to developing FHIR applications



HL7 FHIR Developer Days

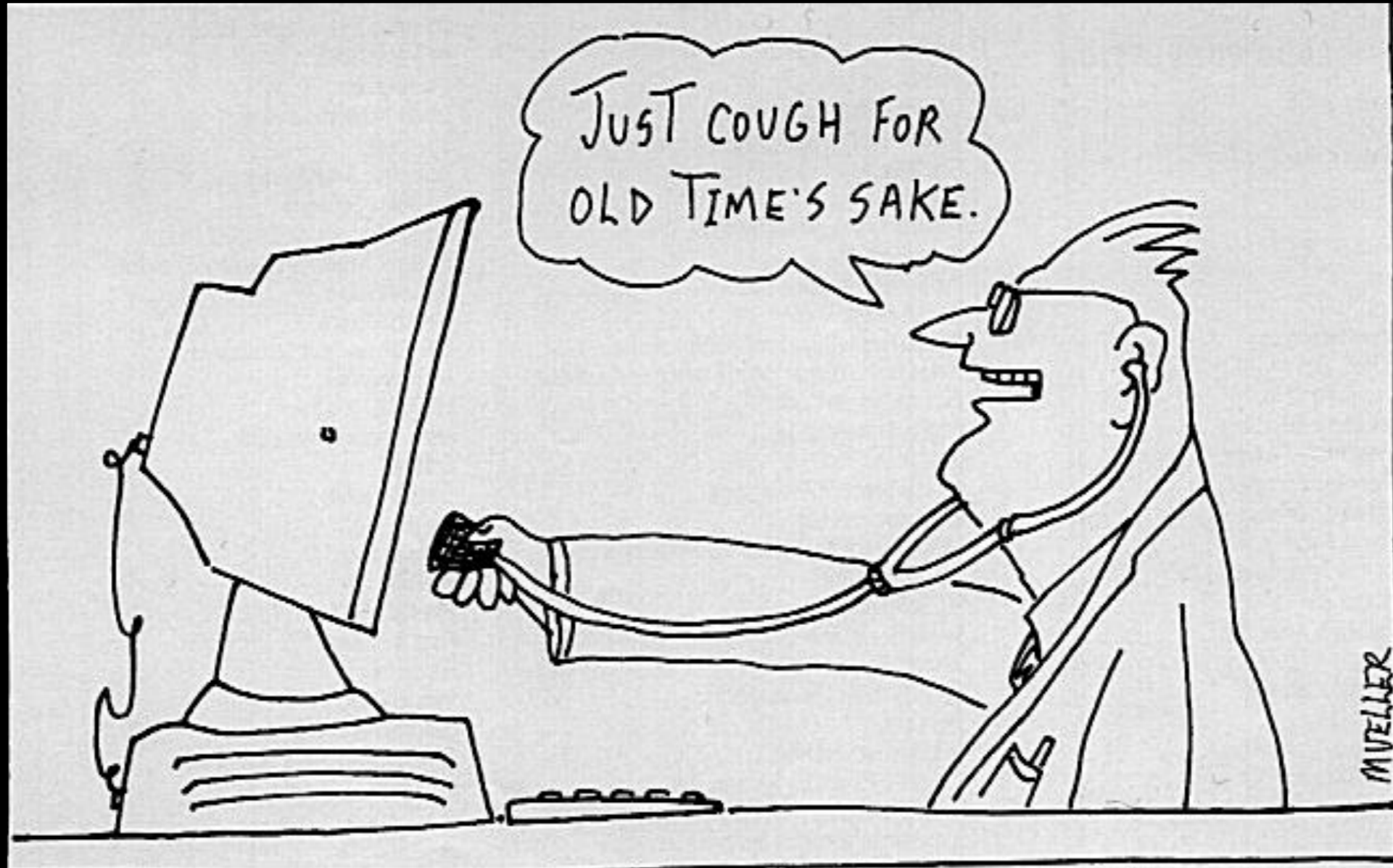
November 15-17, 2017, Amsterdam
June 19-21, 2018, Boston



HL7 FHIR Clinical Connectathons

February 2, 2018, New Orleans





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