



FHIR[®]-PIT
Pilot Interoperability Testbed



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Introducing new FHIR®-PIT Pilot Interoperability Testbed

Turnkey FHIR® Server with Test Data, Tutorials and
Sample Code – Ready to Use Instantly!



Full FHIR server
100% pre-configured
turn-key



Standard FHIR
resources such as:
Patient, practitioner,
organization, care-team
using realistic test data



Tutorials and sample
working programs:
Start “playing with
FHIR” right away



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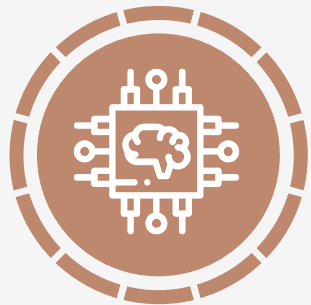


What is FHIR®?

Fast Healthcare Interoperability Resources (FHIR, pronounced “fire”) is a programming language and a new type of data called “resources”



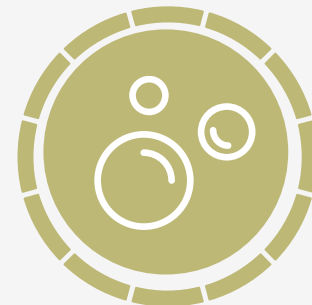
Straight-forward way to share healthcare content



Use the latest, most current technology



Easy integration and testing with existing systems – achieve true interoperability faster



RESTful style, less overhead than SOAP (“Programmers don’t like to use SOAP and want more REST™”)



Leverage simple browser-based applications



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FHIR®

Synthetic, Highly Realistic Patient Data for Testing With PatientGen™ plus *Personas*

Synthetically-generated, realistic patient test data
(non-PHI) stored as FHIR resources in FHIR®-PIT



Unlimited testing
and integration



Thousands of synthetic
people undergo illnesses,
medical encounters



Fifty (50) **Personas** i.e. patients
with full longitudinal histories
and futures in addition to
unlimited populations of
synthetic patients



Unlimited test data
generation using [Patient
Generator](#) allowing
targeted populations with
more than 300 conditions



Patient test data
conforms and adheres
to HL7 standards



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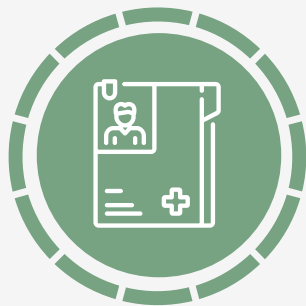


FHIR®

PatientGen™ Features



Can write to a FHIR®-PIT
unlike other vendor
sandboxes



Data can span enterprise
like real patients'
interactions



Aligns with CMS view of
coverage world



Can use for meaningful,
realistic demonstrations



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FHIR®

FHIR[®]-PIT Enables Interoperability Testing

- Enables standard interoperability testing between health information organizations
- Uses modern, current tools to replace user-centric silos with modular components
 - Public health reporting
 - Record location
 - Provider directory information
 - Care coordination
 - Master patient information
 - Quality measure reporting
- Supports any healthcare data formats
 - ADTs, VXUs, QBP, ORU/ELR, eCR, CCDs/CCDAs, QRDA 1, QRDA 3
 - All FHIR STU3 resources



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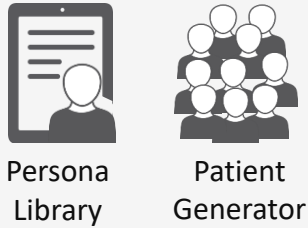


FHIR[®]

FHIR®-PIT allows piloting FHIR®-enabled services



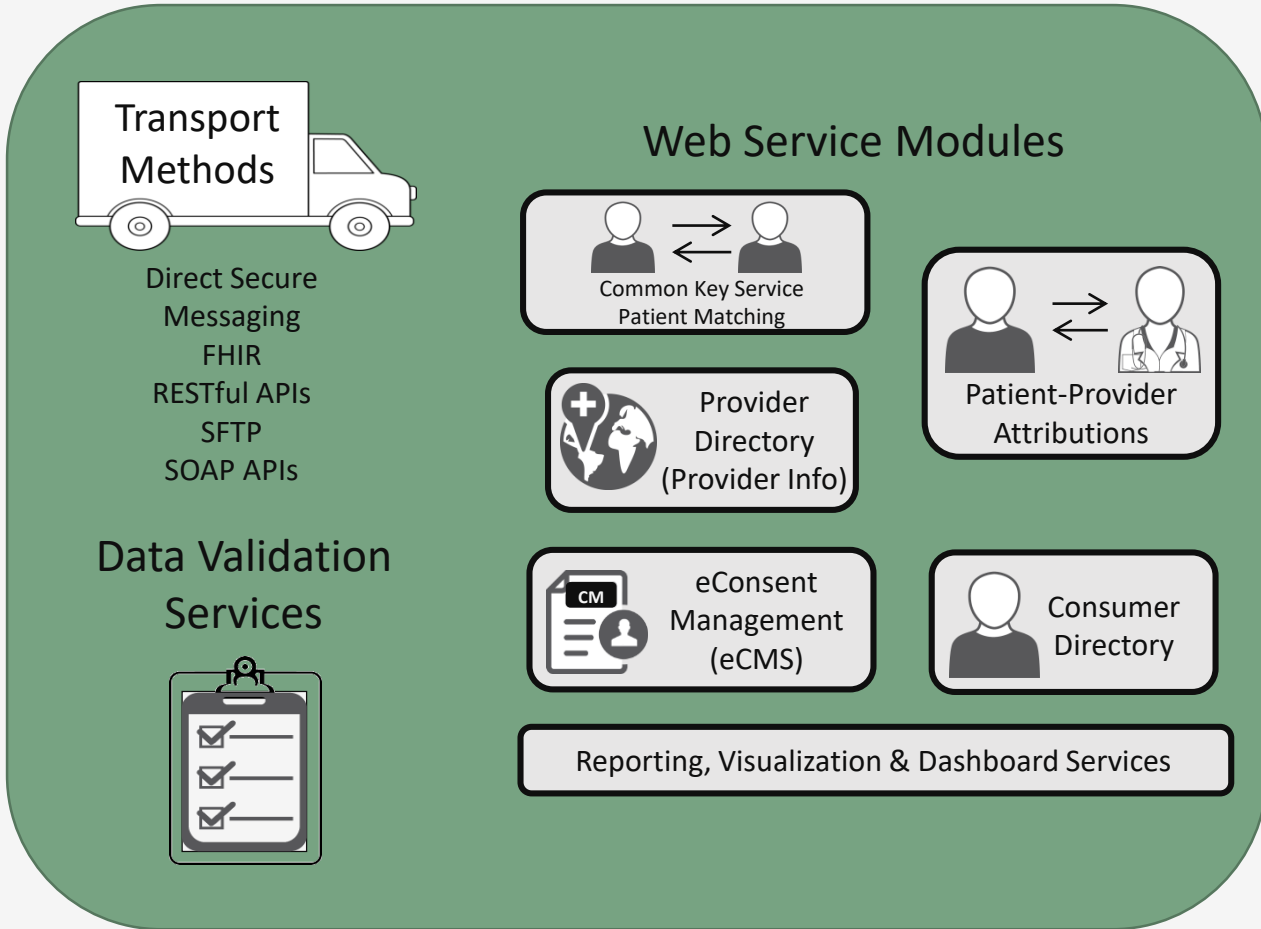
Synthetic Patient Data



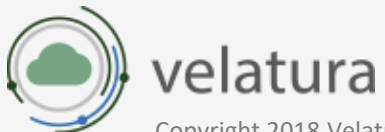
Message Formats



HL7 CCD
CDA CSV
PFF



Simulated participating organizations



FHIR® Starter – Quality Reporting



Pre-generated FHIR resources for quality measures that you can query and retrieve from your own FHIR programs



Resources for quality measure reporting – alcohol use, cancers, depression, vaccinations



Sample working programs for quality measures



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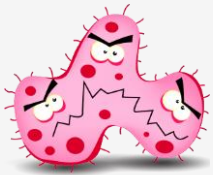
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FHIR® Starter for Quality Reporting

Server can produce FHIR Measure Reports for the following Measures:



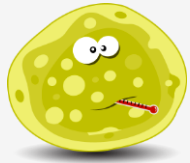
- Unhealthy Alcohol Use Screening and Follow-up (ASF)



- Breast Cancer Screening (BCS)
- Cervical Cancer Screening (CCS)
- Colorectal Cancer Screening (COL)



- Utilization of the PHQ-9 to Monitor Depression Symptoms for Adolescents and Adults (DMS)
- Depression Remission or Response for Adolescents and Adults (DRR)
- Depression Screening and Follow-Up for Adolescents and Adults (DSF)



- Pneumococcal Vaccination Status of Older Adults (PVS)



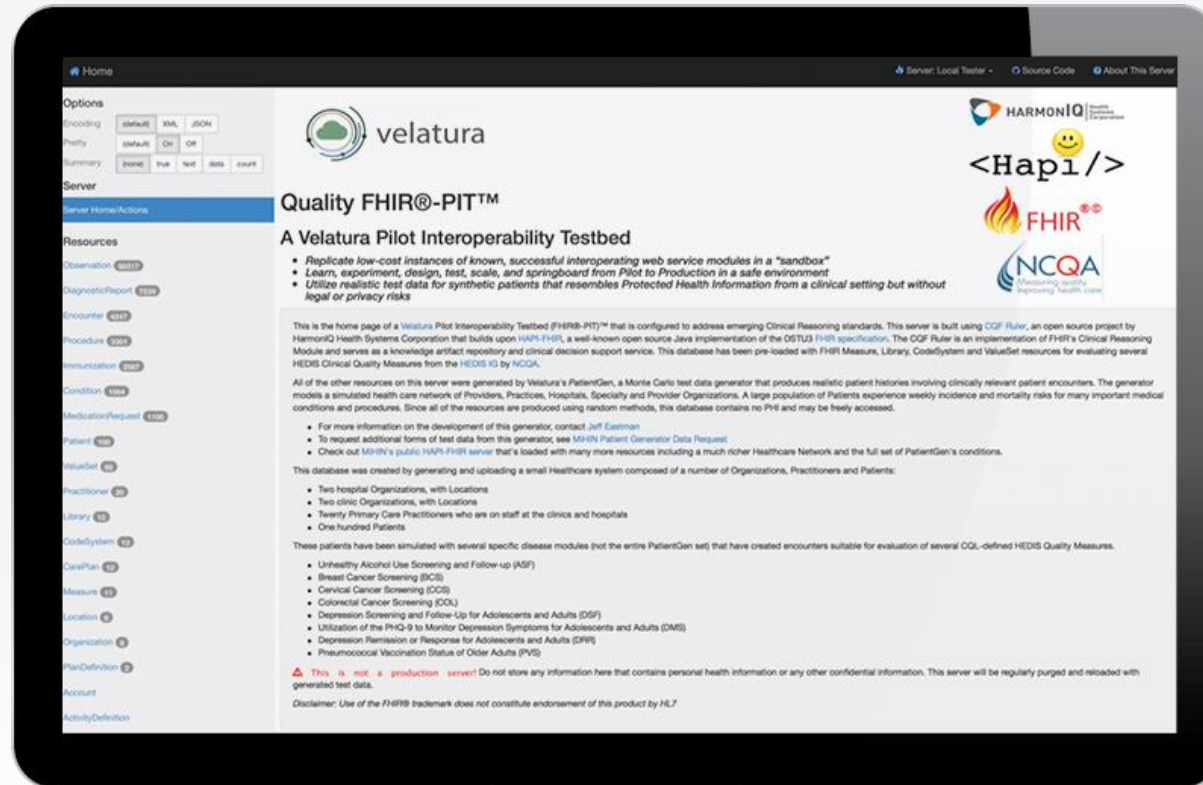
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FHIR® Starter for Quality Reporting

Your own server and test data!



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FHIR®

Leveraging Investment in Training

- If you haven't had FHIR® training, FHIR®-PITs provide hands-on training – hands-on training is the best way to learn and retain – ask us about FHIR-PIT parties...
- If you've already had FHIR® training, your own FHIR®-PIT is perfect for capitalizing on your investment through follow-on real hands-on experience
- Confidently enter FHIR and quality measure space
- Quickly move from entry-level FHIR to advanced capabilities
- Create simulated “edge” organizations (e.g. hospitals, clinics, HIEs, health plans, government agencies, etc.) that produce/consume test data
- Test interoperability with existing systems using safe, realistic data
- Conduct end-to-end, heavy load testing with large volumes of test data
- Migrate quickly from pilot to production with thoroughly-tested applications



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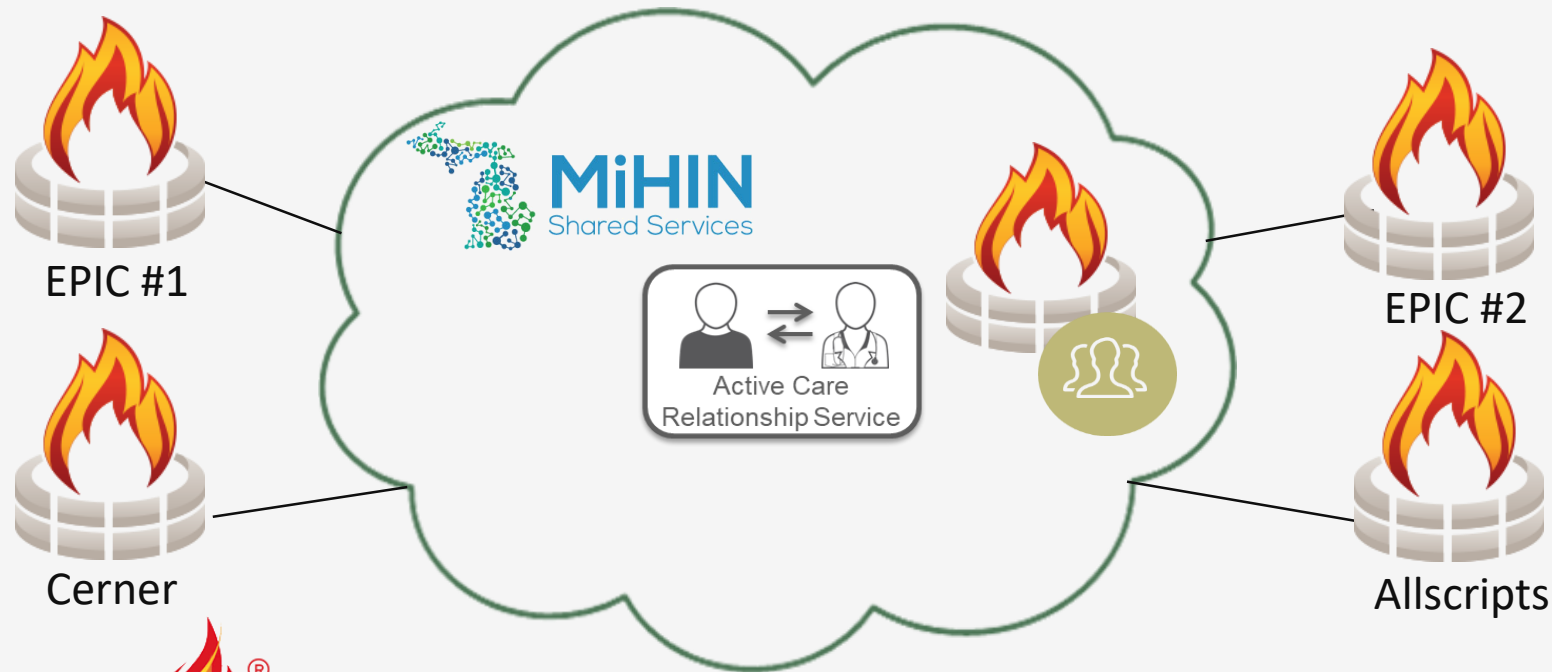
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FHIR®

More FHIR® Starters and FHIR®-PIT Services Coming Soon!

- Network of FHIR®-PITs where interoperability between organizations can be tested
 - Leverages Personas so each FHIR®-PIT and organization is using same data for same “person”
 - Enables more reliable interoperability between different EHRs or other health IT systems



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More FHIR® Starters and FHIR®-PIT Services Coming Soon!

- Transitions of Care / Care Coordination FHIR® Starter
 - Encounter Notifications (e.g. Admission Discharge Transfer or ADT Notifications)
 - Medication Reconciliation
 - Active Care Teams
 - Provider Directory
- Public Health Reporting FHIR® Starter
 - Immunization History/Forecast
 - Immunization Quality Measures (IQM)
 - Electronic Case Reports (eCRs)



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