



FHIRing up the Future of IIS

Strategy Session at National Meeting
Thursday 9:30am PT





AIRA 2021

NATIONAL MEETING

AUG. 3-5, 2021 | PORTLAND, OREGON

Introductory Remarks

Stuart Myerburg – CDC



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Public Health Landscape

Craig Newman – Altarum

FHIR – Today and Tomorrow

- Release 4 (R4) – Current version
- R4b – In ballot reconciliation
 - Interim release with critical updates
- R5 – In development
 - Immunization resources continue to be refined



HL7® FHIR®

FHIR and Public Health

- FHIR continues to gain interest within Public Health
 - Immunization CDS
 - Vaccine Credentialing
 - Occupational Data
 - Vital Records Death
 - Vital Records Birth
 - Birth Defect Reporting
 - Case Reporting
 - Healthcare Associated Infections

Public Health Harmonization

- MedMorph
 - Reference Architecture
 - Cancer Reporting
 - Hepatitis C
 - Healthcare Surveys
- Harmonized FHIR Libraries
 - Vital Records Common Library
 - US Public Health Library

How to Join the Conversation

- Dedicated HL7 vaccination listserv
- Regular vaccination focused calls
 - Friday mornings
 - All topics are welcome



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Strategy Session

Nathan Bunker – AIRA

Lot Decrementing

Easy

?

Hard

Lot Decrementing

RXA Segment



Red Green Show
<https://www.redgreen.com/>

Lot Decrementing

Vaccination Reporting to IIS



RXA Segment



Red Green Show
<https://www.redgreen.com/>

Lot Decrementing

Hospital Pharmacy Coordination



Vaccination Reporting to IIS



RXA Segment



Red Green Show
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Lot Decrementing

Hospital Admission Coordination



Hospital Pharmacy Coordination



Vaccination Reporting to IIS



RXA Segment



Red Green Show
<https://www.redgreen.com/>

Lot Decrementing

- Make a complete solution?
 - Vaccine Inventory Management

Lot Decrementing

- Make a complete solution?
 - Vaccine Inventory Management
- Could include...
 - Notification of delivery
 - Report wastage and transfers
 - Report use and not id patient
 - Better support VFC tracking



Janney Coupler – https://en.wikipedia.org/wiki/Janney_coupler

Strategy Session

- Focus today on...
 - Areas that need innovation
 - Low hanging fruit
 - Aspirational ideas

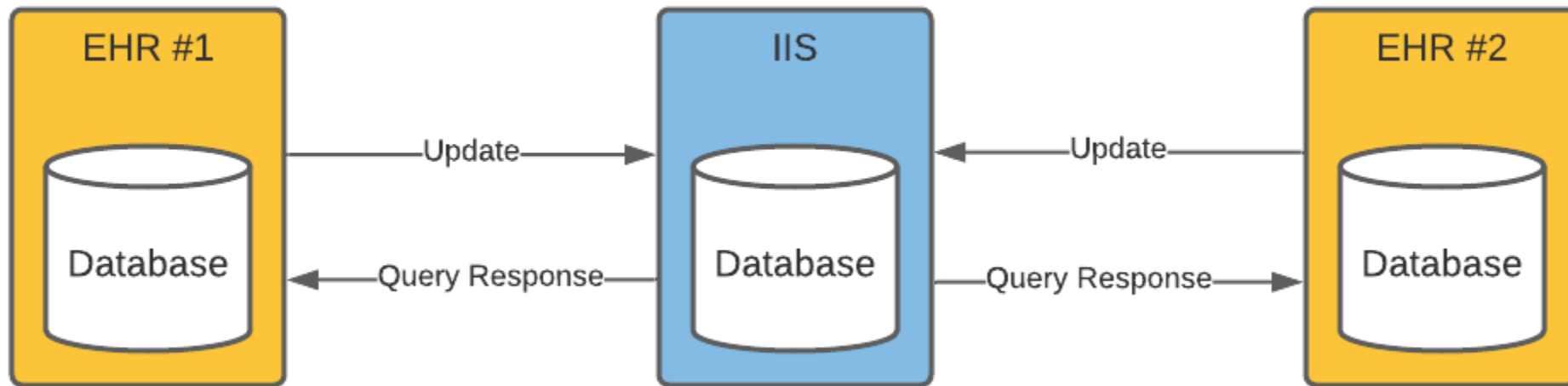
Strategy Session

- Focus today on...
 - Areas that need innovation
 - Low hanging fruit
 - Aspirational ideas
- Don't worry about...
 - Priorities
 - Feasibility
 - Solutions

Brainstorming Sheet

- Ideas gathered from SISC
 - Standards and Interoperability Steering Committee
- We are asking for additional ideas
 - Say them to the group, and/or
 - Write them down

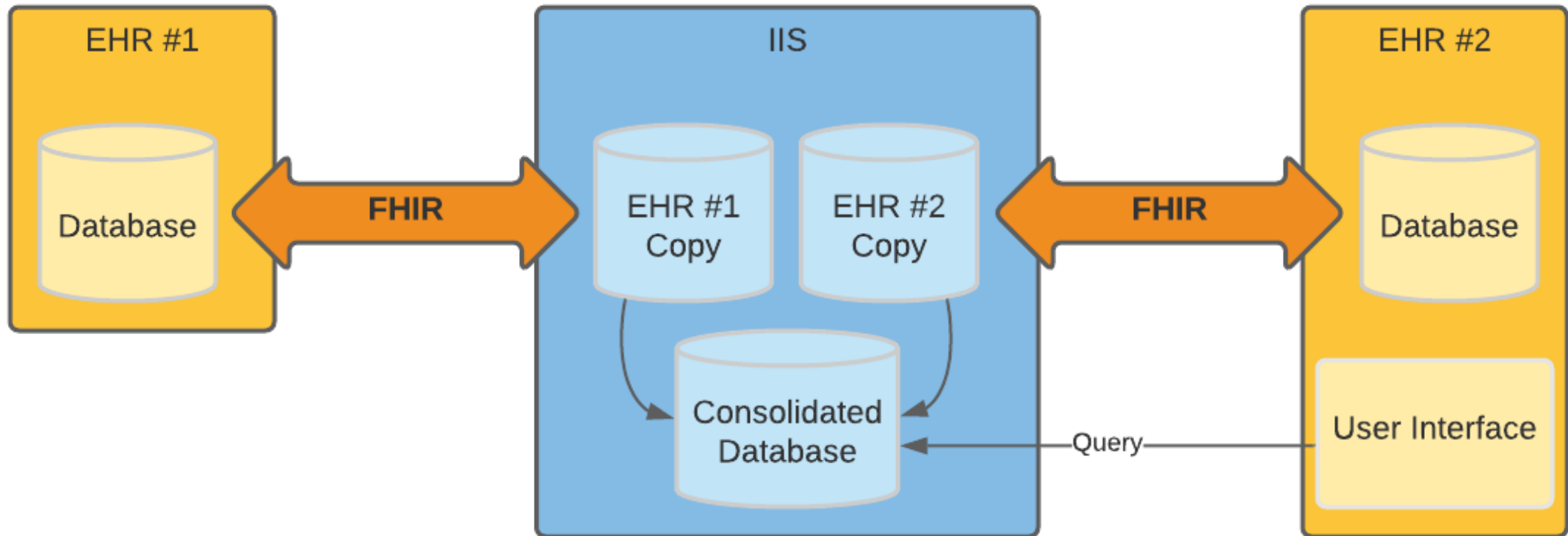
Message Based Model



FHIR Synchronization

- FHIR is “RESTful” specification
 - Resources instead of segments
 - Read/Update/Delete instead of messaging
- Two systems can “synchronize”
 - Default interaction paradigm
 - Read and write state of data between two systems

Synchronization Model



Brainstorming Exercise