

Technical Advisory Group

June Meeting

June 28, 2013



Agenda

Project Update

Phase 2 Preliminary Functional Design

Phase 2 Preliminary Technical Design

Next Steps

Phase 2 overall timeline

Mass HIway Phase 2 high level project schedule

Activity	Target date
Submit IAPD to CMS	Completed
CMS approval of Phase 2 IAPD	Completed
Phase 2 contract (or change order) executed	Completed
Go-live - Public Health - Immunization Registry Node	Completed
Go-live - Public Health - Reportable Lab Results (ELR) Node	Completed
Testing - Public Health - Syndromic Surveillance Node	Completed
Testing - EOHHS – Children’s Behavioral Health (CBHI) Node	Completed
Go-live for Phase 2, Release 1 (Other Public Health interfaces)*	May – Oct 2013
Go-live for Phase 2, Release 2 (CDR, EMPI, RLS, Consent)	Oct 2013 – Mar 2014

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Today's Session

EOHHS and Orion have begun detailed scoping for technical design of Phase 2 services

Today's presentation gives high-level view of current approach – still many policy and technical details to be fleshed out

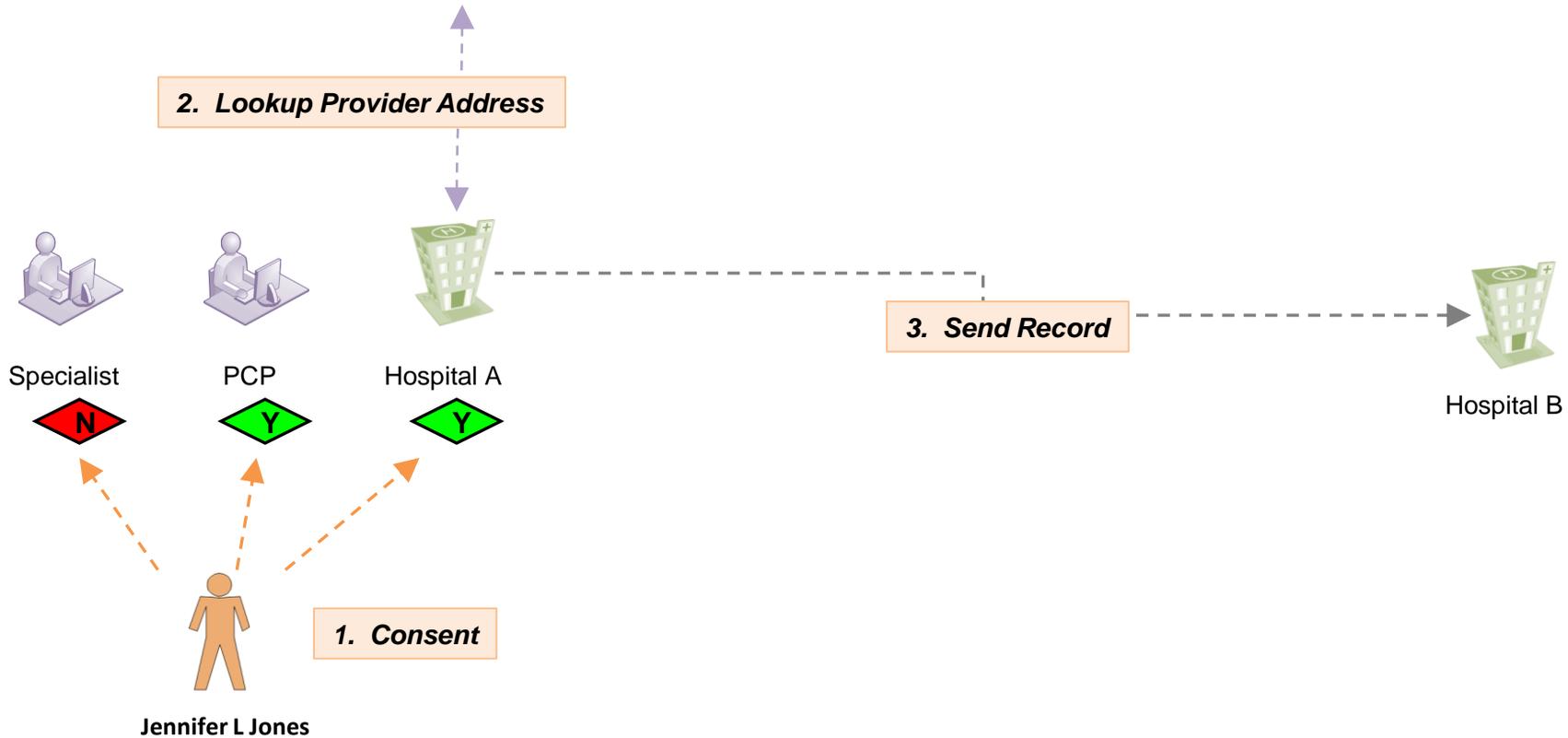
As we walk through the current high-level views, we welcome Advisory Group feedback on the approach

Phase 1 Functions: User-to-User Push



Provider Directory

<u>Provider name</u>	<u>Local name</u>	<u>Institution</u>	<u>Direct address</u>	<u>Certificate</u>
Smith, Marilyn M	Smith, Marilyn	Hospital B	Marilyn.Smith@HospB.masshighway.net	58&HTU
Smith, Marilyn M	Smith, Mary	Highland Primary Care	Marilyn.Smith@HPC.masshighway.net	93T\$@N



Framework for Query for a Patient Record

Current Direction of Federal Certification Approach for MU Stage 3

Data Requestor

Discover provider address
and security credentials



Send:

- Authenticating credentials
- Patient-identifying information
- Authorization for request
- Type of information being requested (optional)

Receive:

- Medical record information or acknowledgment of non-fulfillment of request
- Log transaction

Restful web services

query



response



Data holder

Receive:

- Validate authentication credentials
- Match patient
- Verify authorization for request
- Check for requested information



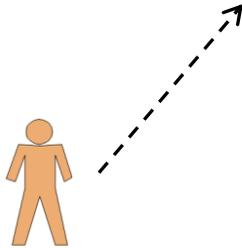
Send:

- Medical record information or acknowledgment of non-fulfillment of request
- Log transaction

MA HIway Phase 2 Consent Approach

Patient consent on both sides of transaction

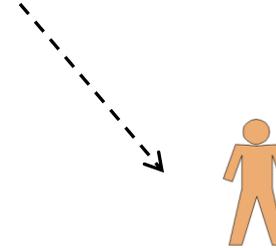
Record Locator Service



Patient - Jennifer L Jones

Consent to Publish Provider Relationships

- Patient gives consent to a data holder to publish patient/entity relationship to the Mass HIway Record Locator Service (RLS)
- Patient consent preference captured by data holder and conveyed to RLS in an Admit, Discharge, Transfer (ADT) message (or other HIway-permitted format such as PIX/PDQ)
- Data holder retains consent documentation and transaction/disclosures log for audit



Patient - Jennifer L Jones

Consent to Search or Retrieve

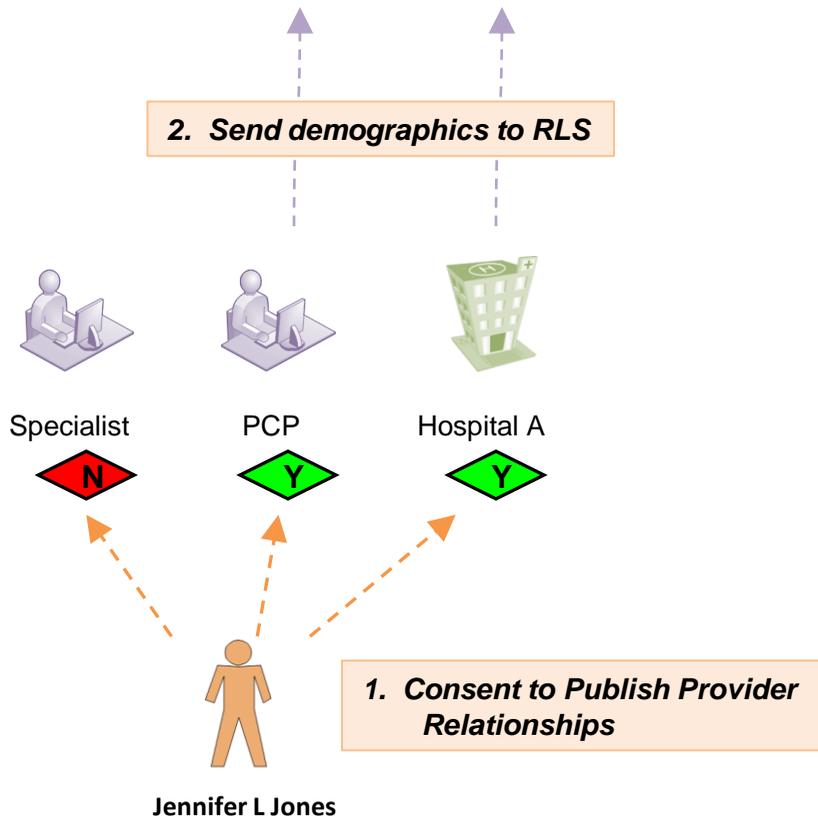
- Patient gives consent to a data requestor to view RLS and retrieve records from a data holder – consent is conveyed in a query message
- Requesting organization retains consent documentation and transaction/disclosures log for audit

Data holder publishes patient/entity relationship to RLS



Record Locator Service

<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Last visit date</u>	<u># visits</u>
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Dec 3, 2012	3
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jul 8, 2010	12



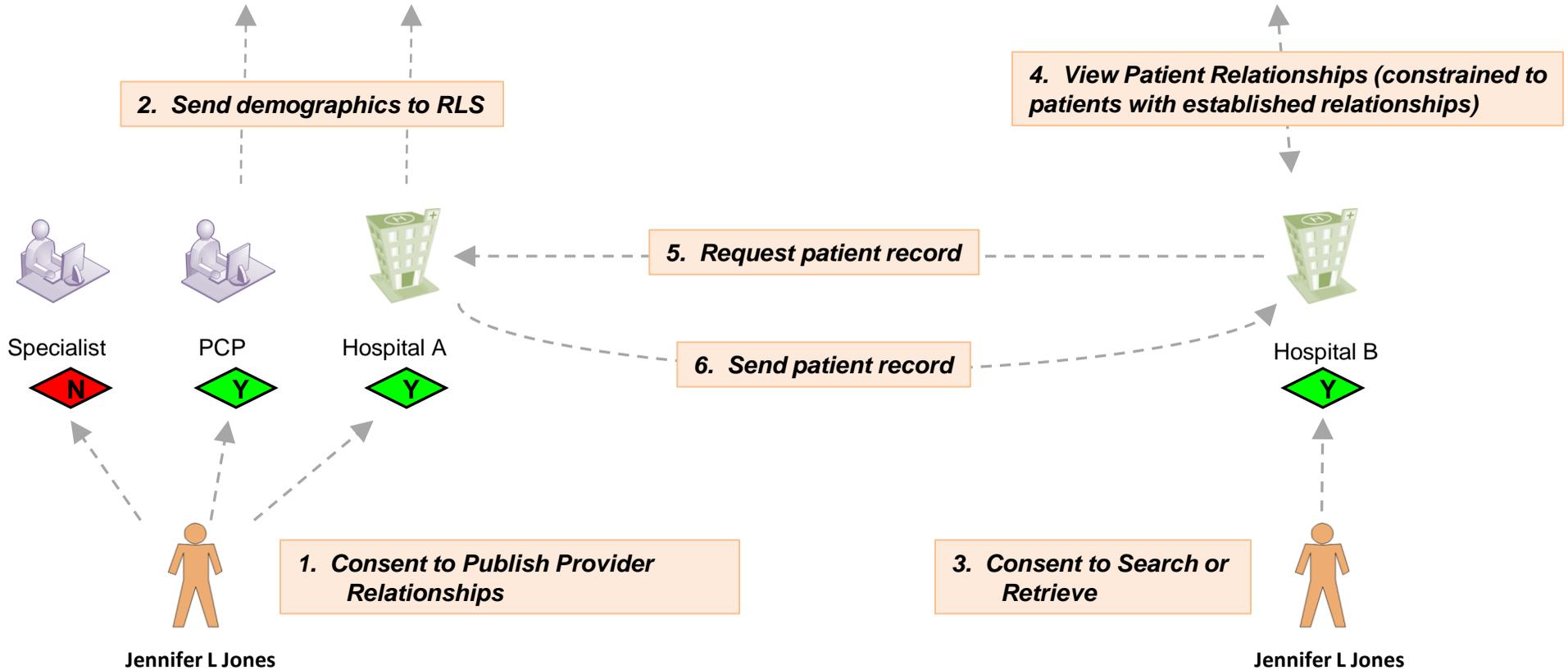
- Assume EHRs capable of capturing only single, binary consent flag
- Patient consent flag conveyed in RLS update messages (ADT)
- Consent flag acts like memoryless toggle allowing relationship to be published in RLS
- If “yes”, relationship published in RLS
- If “no”, message rejected (ie, relationship not published in RLS)
- If changing:
 - “Yes-to-No”: If relationship was previously published, previous messages stored but hidden – only available for audit
 - “No-to-Yes”: Relationship published in RLS from that point forward

Data requestor requests patient record – Data holder responds



Record Locator Service

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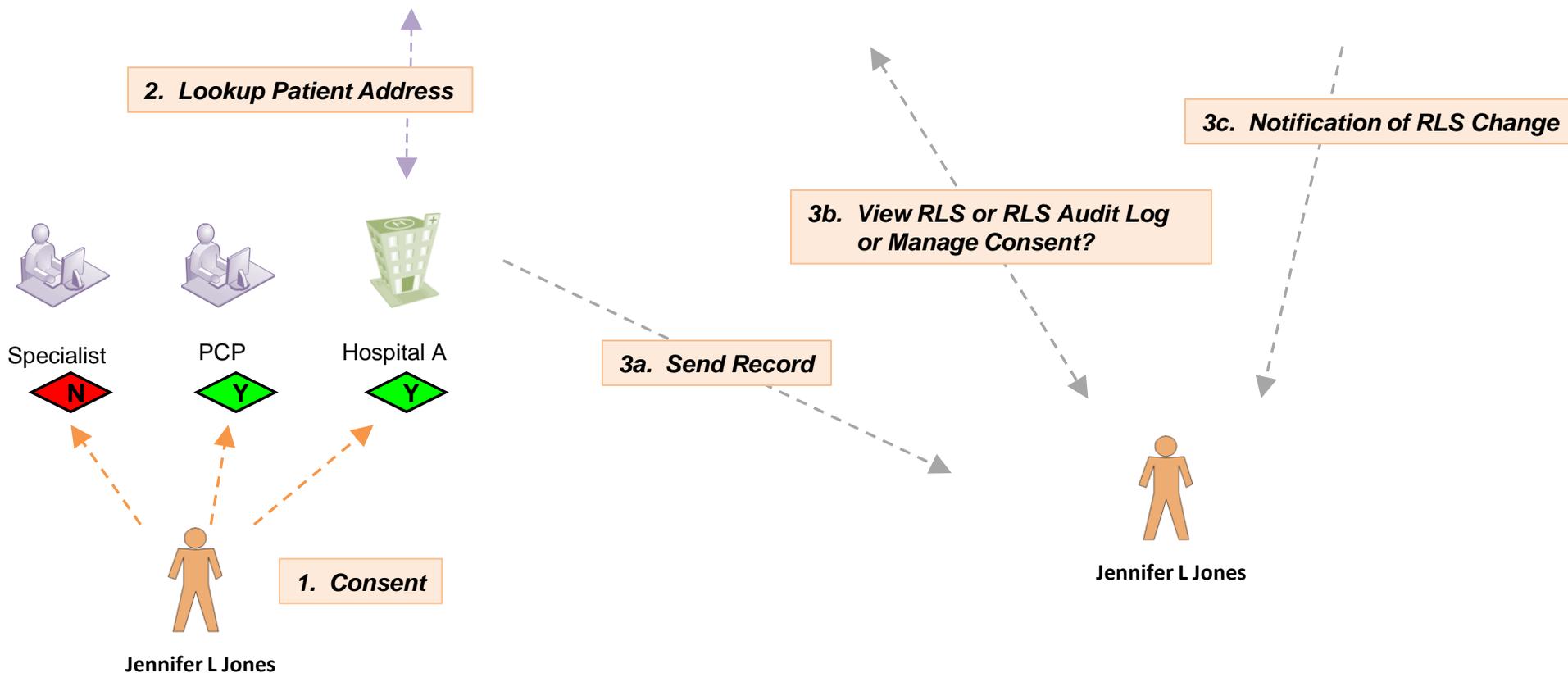


Patient possible patient options



Patient Directory

<u>Patient name</u>	<u>Local name</u>	<u>Institution</u>	<u>MRN</u>	<u>Direct address</u>	<u>Certificate</u>
Jones, Jennifer L	Jones, Jennifer	Hospital A	1234	Jennifer.Jones@hv.masshighway.net	34X&)VX
Jones, Jennifer L	Jones, Jenny	PCP	5678	Jennifer.Jones@hv.masshighway.net	34X&)VX



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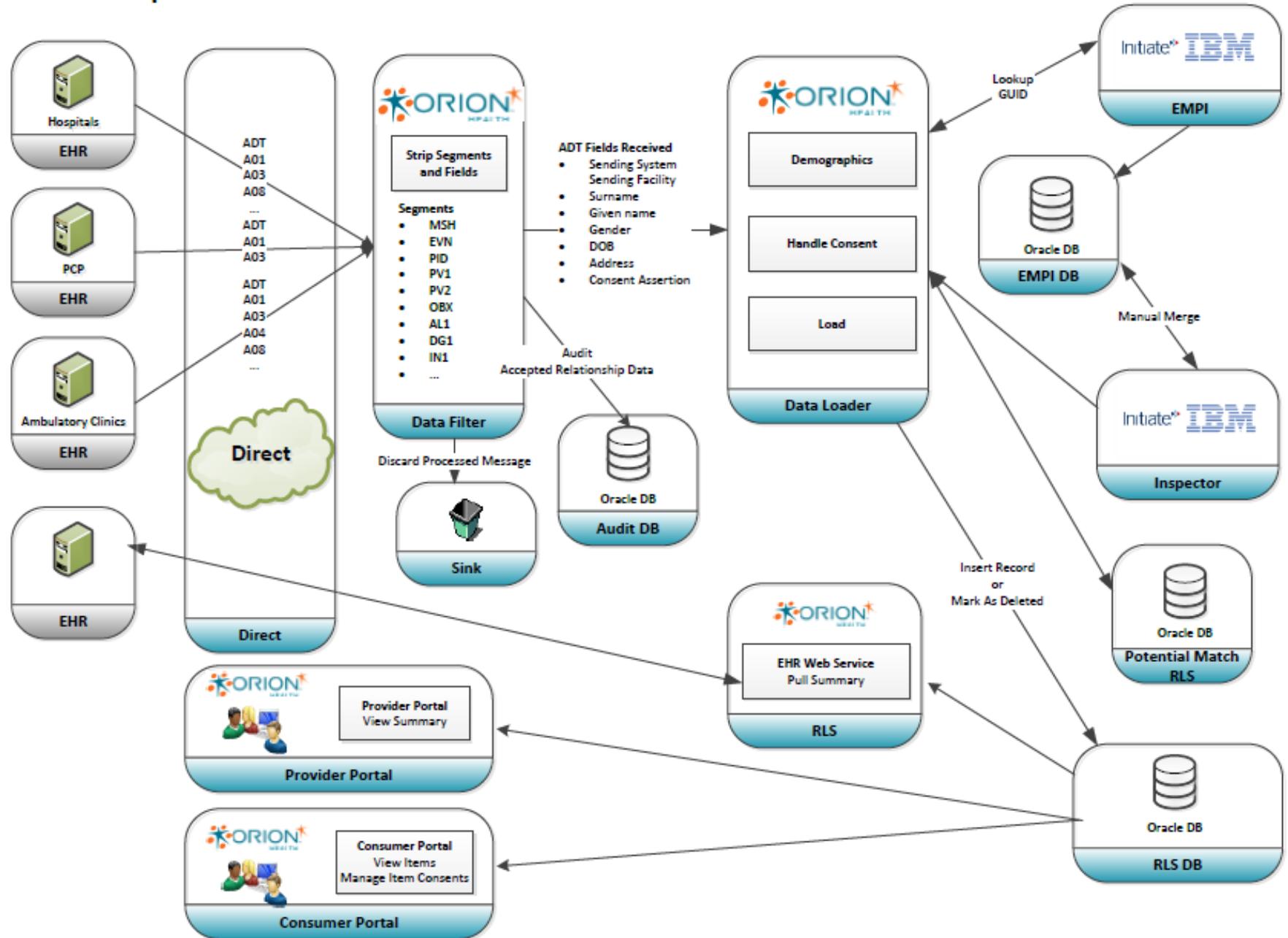
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Relationship List Service



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- Key points and recommendations synthesized and provided back to Advisory Group for final comments
- Presentation materials and notes to be posted to EOHHS website
- Next Advisory Group Meeting – July 19, 2:00-3:30 pm.
 - Conference call – number to be updated in invitation
- HIT Council – July 1, 2013, 3:30-5:00 One Ashburton Place, 21st Floor

HIT Council meeting schedule, presentations, and minutes may be found at <http://www.mass.gov/eohhs/gov/commissions-and-initiatives/masshway/hit-council-meetings.html>