



Your Compass For Navigating
Turbulent Financial Waters for
Revenue Cycle 2015



Healthcare.gov: Applying Big Data Expertise to Provide Solutions

Friday, January 23, 2015
Gillette Stadium Clubhouse

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Transforming Healthcare with Foundational Solutions **Patient-Centered Model**

Education

Prevention

Treatment

Monitor

Foundational Solutions

Patient/Consumer 360

Enabling Interoperability

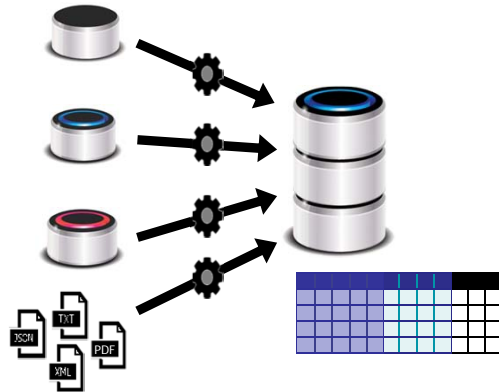
Enabling Healthcare Information Exchange

Enabling Business Intelligence

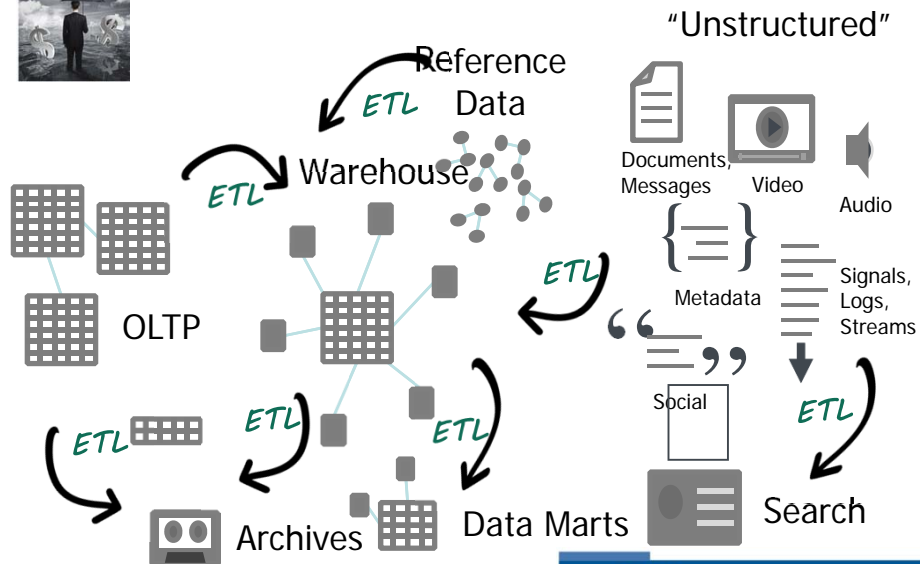




Technical Challenge of Data Consolidation



SLIDE: 3



HEALTHCARE.GOV

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Healthcare.gov What's the big deal?



The diagram illustrates the data architecture for Healthcare.gov. On the left, a stack of 8,000,000 data sources is shown, including State Data, Payer Data, Person Data, and HI Applications. These sources feed into a central Data Services Hub, which in turn connects to the Federal Marketplace and Identity Management systems. A smartphone icon represents the user interface.

8,000,000

Data Services Hub
Federal Marketplace
Identity Management

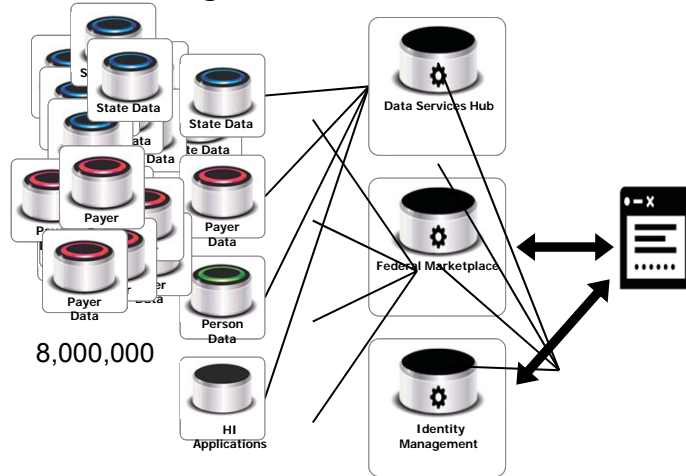
State Data
Payer Data
Person Data
HI Applications

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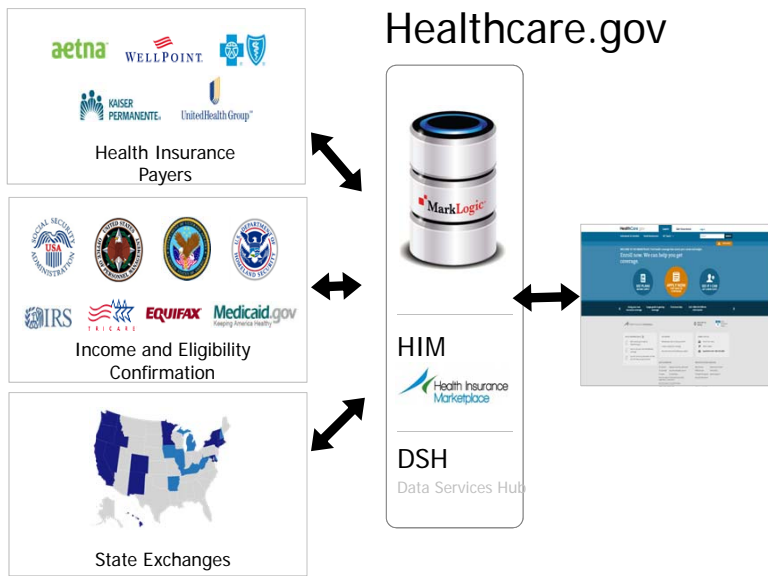
Healthcare.gov What's the big deal?



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Healthcare.gov

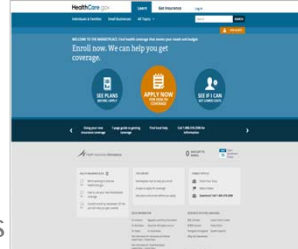


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Turbulent Financial Waters for Revenue Cycle 2015



2014 Healthcare.gov



8,000,000+ new beneficiaries

150,000+ concurrent users

2,500+ transactions per second

0 zero data loss

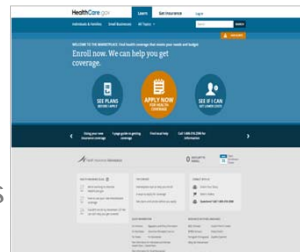
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2015 Healthcare.gov through Week 6



6,500,000+ new beneficiaries

15,000,000+ concurrent users

50,000+ transactions per second

99.9% uptime





Consolidating Data Pools to Improve Patient Care

Activity (Claims) and Cost Data

- Owners: payors, providers
- Example data sets: utilization of care, cost estimates

Clinical Data

- Owners: providers
- Example data sets: electronic medical records, medical images

Integrating Heterogeneous Data

Pharmaceutical/Med-Device R&D Data

- Owners: Pharmaceutical companies, academia
- Example data sets: clinical trials, high-throughput-screening libraries

Patient Behavior and Sentiment Data

- Owners: consumers and stakeholders outside healthcare (e.g. retail, apparel)
- Example data sets: patient behaviors and preferences, retail purchase history, exercise data captured in running shoes

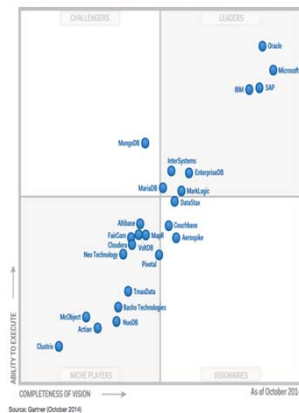
"The Big Data Revolution in Healthcare"
McKinsey Insights and Publications, January 2013

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2014 Gartner Magic Quadrant for Operational DBMS

Figure 1. Magic Quadrant for Operational Database Management Systems

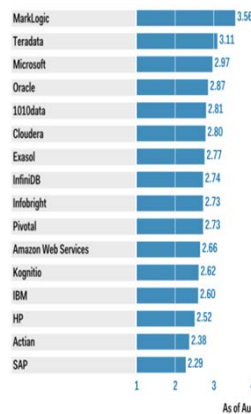


*Gartner Magic Quadrant for Operational Database Management Systems, October 2014

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2014 Gartner Capabilities For Data Warehouse DBMS

Product or Service Scores for Operational Data Warehouse



*Gartner Critical Capabilities for Data Warehouse Database Management Systems, August 18, 2014 Document #: G00261659



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