

Frameworks and Models for Integration

Connecting Communities for Better Health
May 26, 2005

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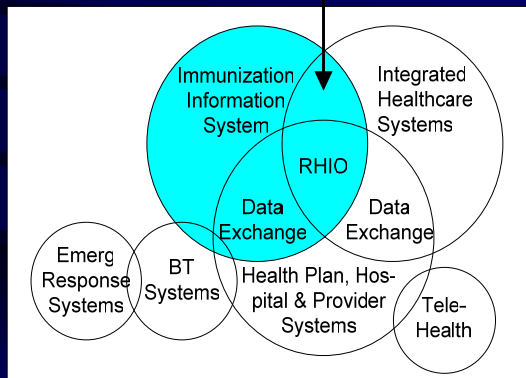
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Integration Roadmap: Public Health Perspective

Integrated Child Health Systems



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What Can Child Health Systems Contribute to a RHIO?

- “Quick start” by leveraging existing activities
- Data, including consolidated data
- Expertise: de-duplication, database management, web applications, data exchange including HL7
- Existing relationships with many relevant stakeholders: providers, hospitals, payers, professional associations
- Governance: experience in negotiating and implementing data sharing agreements
- Childhood health data somewhat more contained and manageable than adult health data

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Two Types of Integration

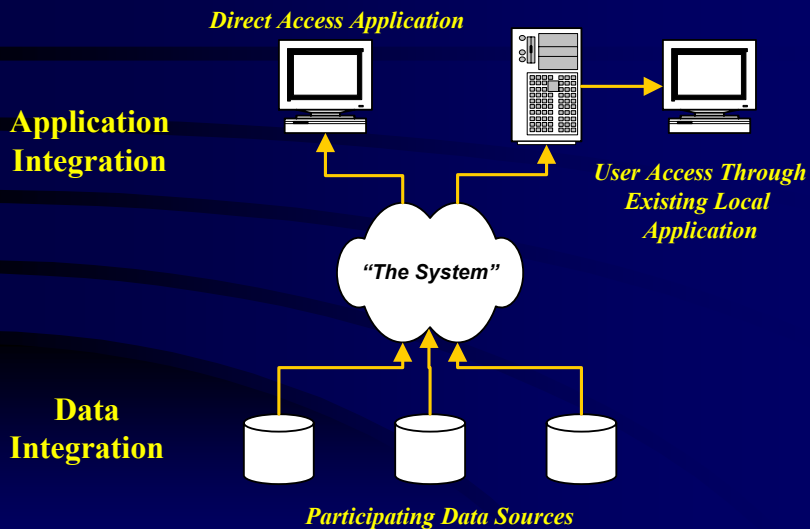
- **Data Integration:** forming valid relationships between data sources
- **Application Integration:** presenting a unified view of data to a user through a computer application

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Data versus Application Integration



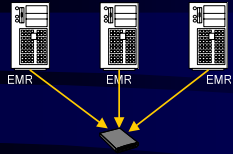
Data and Application Integration

The message:

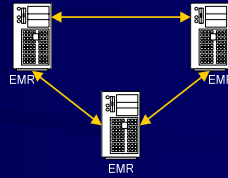
- These are two parts of the same puzzle
- Perceptions about “ease of access” and “ease of use” have to be viewed based on assumptions about these two types of integration
- Issue of timely access to/submission of data is critical to all strategies

Data Integration Models

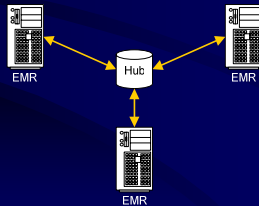
Model 1: Smart Card



Model 2: Peer-to-Peer



Model 3: Info. Broker

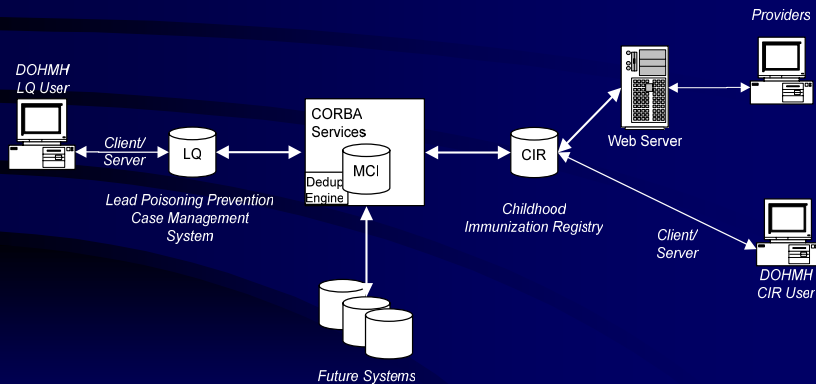


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Example: NYC MCI



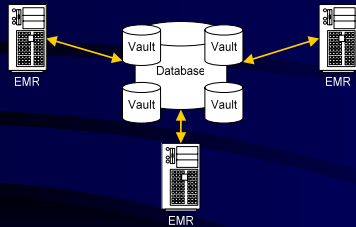
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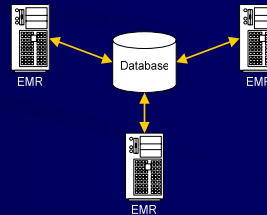
Data Integration Models (continued)

Model 4: Partitioned Warehouse



Example:
*Indianapolis Network
for Primary Care*

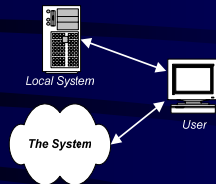
Model 4: Central Warehouse



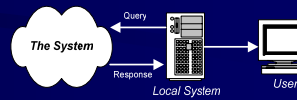
Example:
Arizona HealthQuery

Application Integration Models

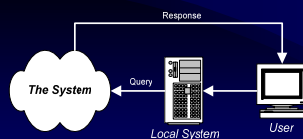
Model 1: Independent App



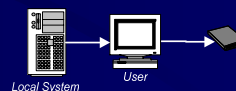
Model 2: Data Exchange



Model 3: Local App



Model 4: Smart Card



Thanks!

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