

Planning for PHIN Certification: A Small State's Experience

New Hampshire DHHS HLN Consulting, LLC®

PHIN Conference 2008

Perspectives on Assessments: Health Indicators in PHIN Certification

August 26, 2008

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Agenda

- Background
- Project Scope
- Approach
- Narrative
- System Inventory Database
- Findings and Roadmap

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Background

- In the spring of 2008, the State of New Hampshire Department of Health and Human Services (DHHS) partnered with HLN Consulting, LLC (HLN) to study the current level of compliance with PHIN 2.0 requirements.
- The primary objective of this project was to deliver a gap analysis for PHIN compliance, and a roadmap for the State to begin to close that gap.

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Project Scope

- Goal: Develop a gap analysis for PHIN compliance and a roadmap to begin closing the gap
- Strategic approach: High-level principles and security strategies

and

- Tactical approach: Specific systems recommendations
- Challenge: PHIN requirements represent a "moving target"

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Remember PHIN "1.0"?

- Six Functional Areas
 - Early Event Detection
 - Outbreak Management
 - Connecting Laboratory Systems
 - Countermeasure and Response Administration
 - Partner Communication and Alerting
 - Cross-Functional Components
 - Message construction, routing, transport, parsing;
 Directory; OID; vocabulary, data model, security

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PHIN 2.0

- Reorganize simplify consolidate
- Focus on messaging, directory, security
- Expand scope beyond preparedness
- 5 PHIN Requirements
 - Message Composition
 - Message Send
 - Message Receive
 - Directory Services
 - 5. Security
- PHIN Certifications work in progress
 - Notification messages to CDC, Alerting, Directory

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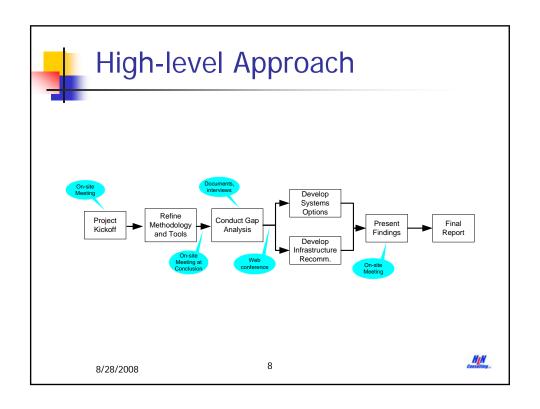


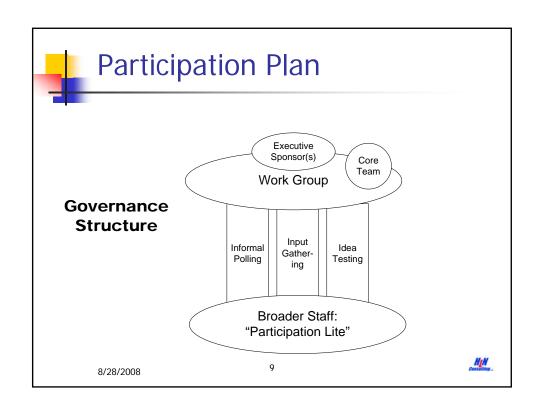
PHIN & Project Scope – Approach

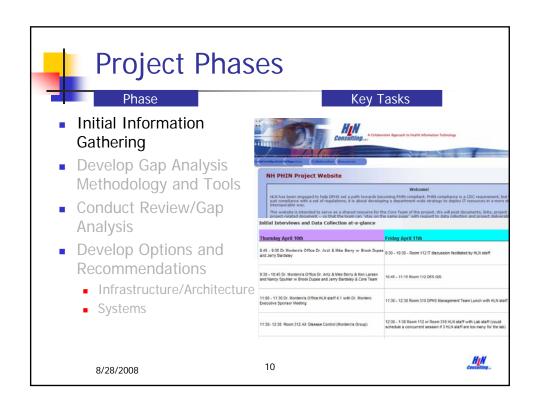
- Project is "Not just about PHIN"
 - Develop cross-functional architecture principles and priorities – shared services; person matching, reporting, AAA, vocabulary, messaging, etc.
- Not all requirements receive same focus
 - For example #5 Security leverage OIT strengths
- PHIN Certifications are "moving target" develop guidelines/standards to anticipate

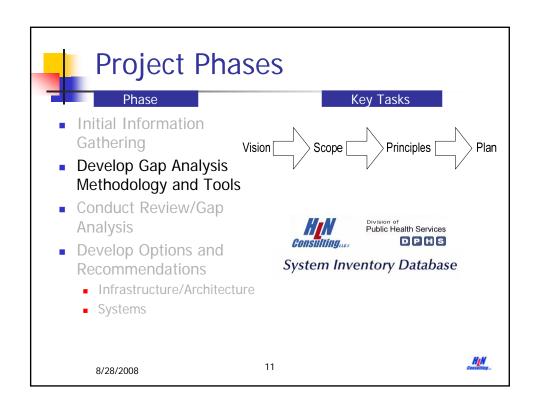
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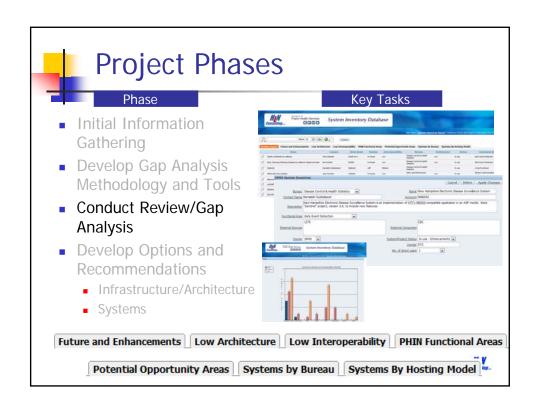
System Inventory Database

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- Web-based system inventory application developed and customized for this project
 - Interview tracking
 - System list
 - Gap Analysis tool
- Collaborative use
 - Initial population by HLN team
 - Access to NH Core Team
 - File repository
- Scope
 - This project only, or ongoing use

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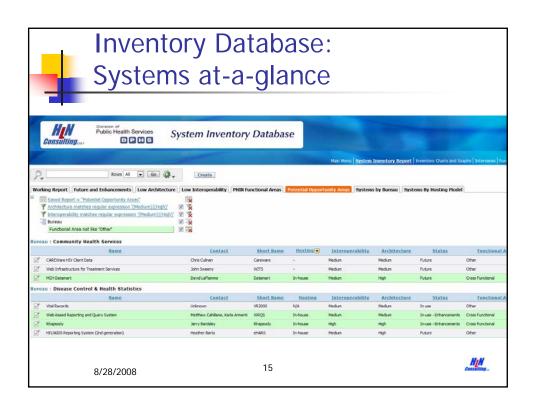


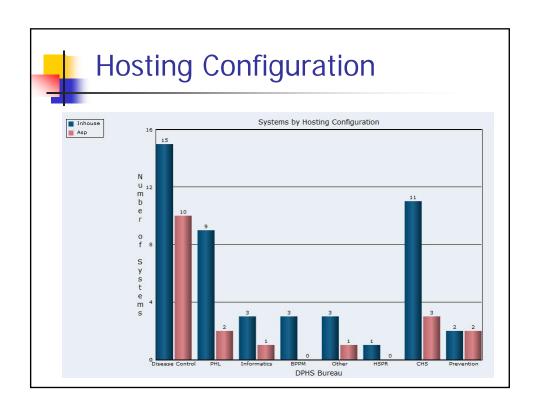
Facts and Findings at-a-glance

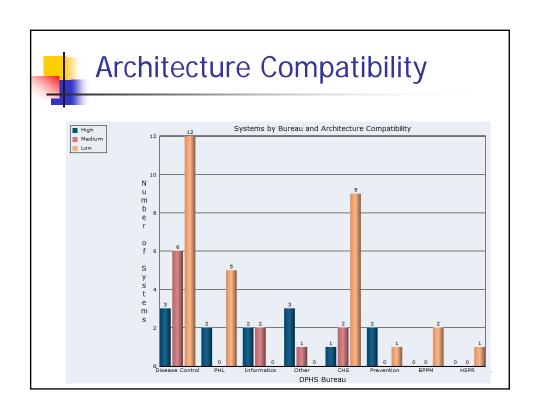
- 83 total systems documented
 - 16 future, 4 current enhancements, 1 retired
 - 46 in PHIN 1.0 functional areas
- 27 systems in-house with low architecture compatibility
 - "Fairly typical proliferation of standalone systems"
- 22 systems identified as "opportunity areas"
 - 15 are in PHIN 1.0 functional areas
 - 5 are ASP systems
- Hosting model: 18 ASP systems

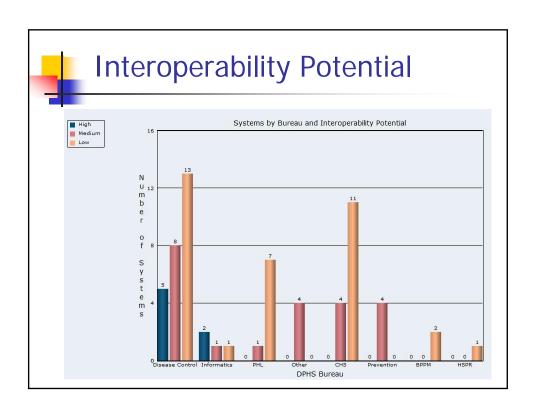
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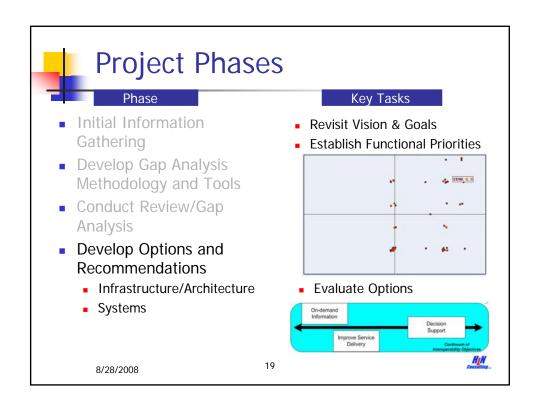


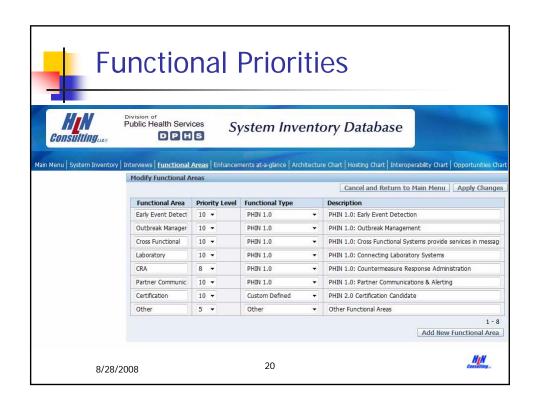


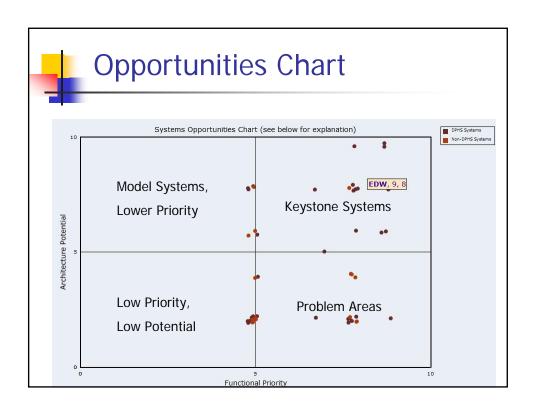


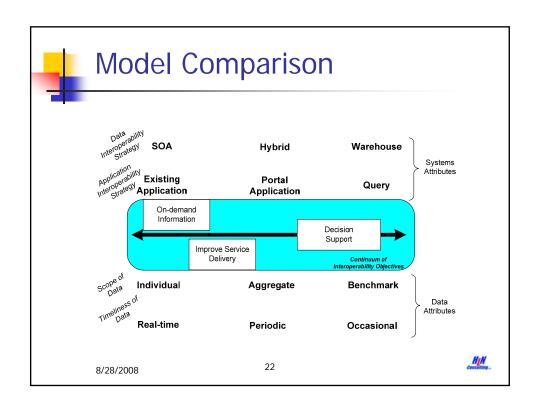














Architecture for Interoperability

- Address needs across the interoperability spectrum
- Integration engine as hub for standards-based messages
- Single pathway for data in/out of the department
- Service Oriented Architecture (SOA): long-term goal
- Warehouse and portal for short-term needs
- Core requirements (messaging, vocabulary, security)
- Web-based collaboration tools and content management
- Systems Inventory Database

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Building NH PHIN

- Roadmap:
 - Enhance systems to enable PHIN messaging for Lead, TB, and Varicella. Practical, achievable set of initial projects on the road towards the recommended architecture
 - 2. PHIN Directory
 - 3. Incremental improvements to HAN
- Incremental progress towards overarching goals
 - Unified messaging
 - Enterprise-class systems
- Continued investment in Data Warehouse, LIMS migration, AHEDD
- Systems Inventory

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Action Steps

- Execute roadmap
- Apply the core requirements to new acquisitions
- Leverage existing assets where possible
- Periodically re-assess
- Remain flexible and prepared for new opportunities
- Use the System Inventory Database to its full potential
- Participate in Health Information Exchange and Health Data Standards efforts

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