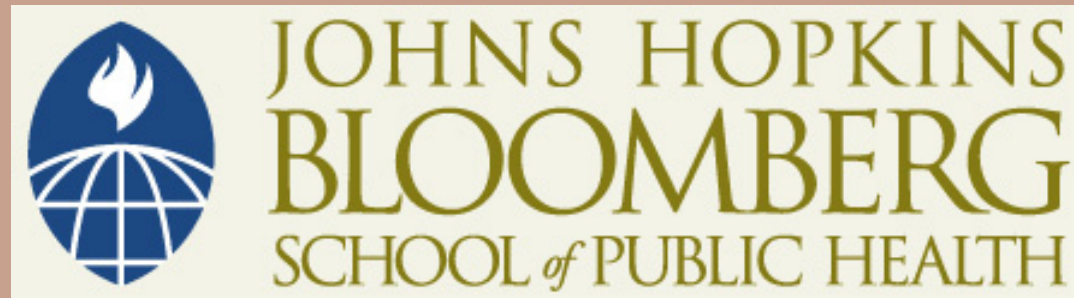


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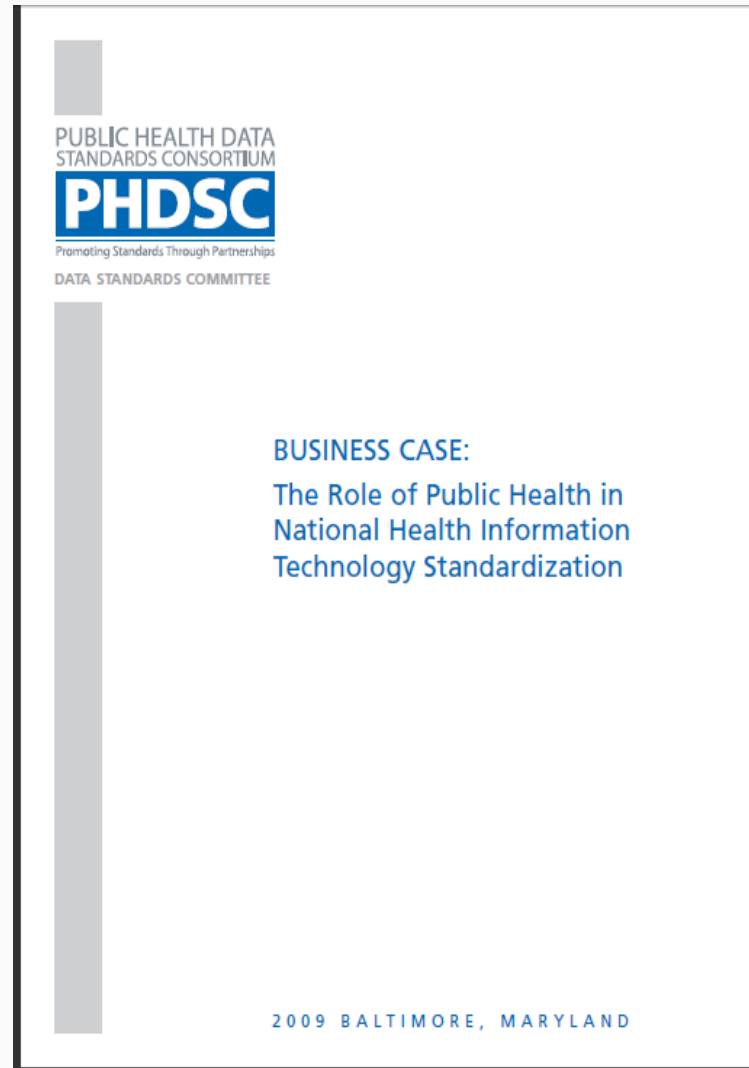


## Section E

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Role of Public Health in HIT Standardization

# Business Case: Public Health in HIT Standardization



# Business Case: Public Health in HIT Standardization

- National HIT standardization process requires collective input from public health regarding which public health issues need to be addressed in national interoperable HIT standards
  - This input needs to be collaboratively developed, put through the national HIT standardization process, and uniformly implemented
- **Public Health’s “Organized Voice on HIT Standards”** will have to take on a character reflective of this reality

# Business Case: Public Health in HIT Standardization

- We define Public Health's Organized Voice on HIT Standards as an open, transparent, participatory process of harmonizing program-specific and jurisdictional needs with national HIT interoperability standards by working with public health stakeholders and HIT standardization entities on various phases of HIT standardization

# PHDSC Business Case

HIT standard-ization phases	Needs and priorities	Development and maintenance	Selection and Harmonization	Testing/trial implementation	Certification	Deployment
<i>Goals</i>	<ul style="list-style-type: none"> <li>• AHIC/MU:</li> <li>• biosurveillance</li> <li>• Immunization</li> <li>• ELR</li> </ul>	<ul style="list-style-type: none"> <li>• Biosurveillance</li> <li>• Immunization</li> <li>• ELR</li> </ul>	<ul style="list-style-type: none"> <li>• Biosurveillance</li> <li>• Immunization</li> <li>• ELR</li> </ul>	<p>PHDSC projects</p>		
<b>Public health programs undergoing HIT standard-ization</b>	<ul style="list-style-type: none"> <li>• Public health reporting</li> <li>• Newborn screening</li> <li>• Vital records</li> </ul>	<ul style="list-style-type: none"> <li>• Public health reporting</li> </ul>	<ul style="list-style-type: none"> <li>• Public health reporting</li> </ul>			
		<ul style="list-style-type: none"> <li>• Newborn screening</li> <li>• Vital records</li> </ul>	<ul style="list-style-type: none"> <li>• Hearing</li> <li>• Vital records</li> </ul>		<ul style="list-style-type: none"> <li>• Hearing</li> <li>• Vital records</li> </ul>	<ul style="list-style-type: none"> <li>• Hearing</li> <li>• Vital records</li> </ul>
		• Cancer	• Cancer	• Cancer	• Cancer	
<b>Standards documents</b>	Use cases (description of the health information exchanges)	Standards	Interoperability specifications  Technical frameworks  Integration profiles	Test reports	Functional profiles  Certification criteria	Deployment reports
<b>On-going activities ( 2008-now)</b>	Developed methodology for public health participation in HIT standards development and harmonization					
<b>New activities (2010-11)</b>	Develop methodology for public health participation in HIT product testing and certification					
<b>Future activities</b>	Develop methodology for evaluation of standard-based HIT products (HIT adoption)					

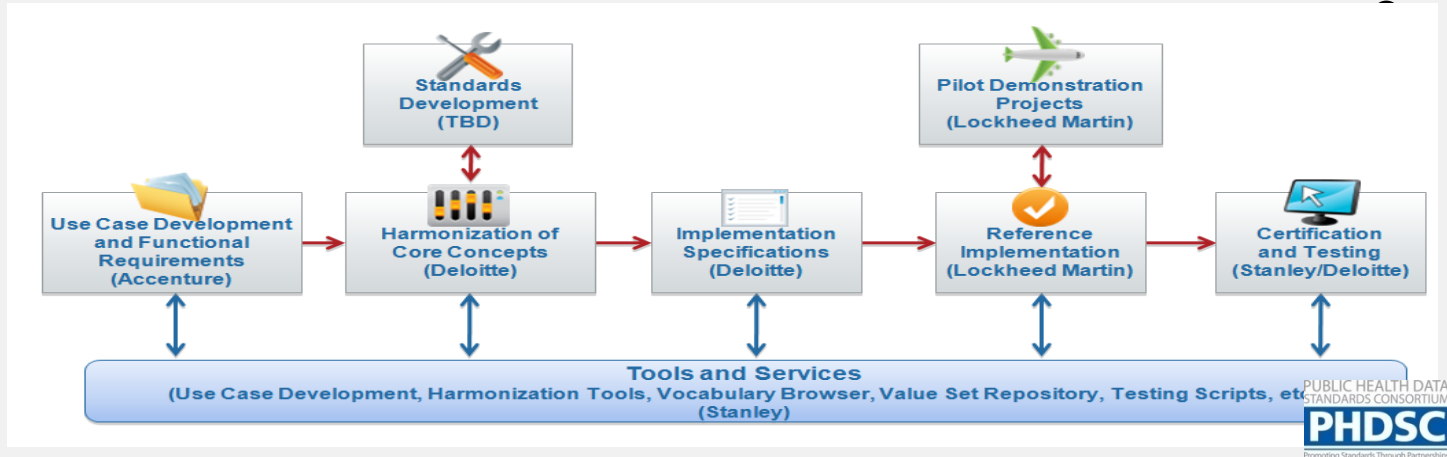
# PHDSC Business Case

HIT standardization phases	Needs and priorities	Development and maintenance	Selection and Harmonization	Testing/trial implementation	Certification	Deployment
<i>Goals</i>	<i>What should be accomplished?</i>	<i>What are the standards?</i>	<i>What standards to use?</i>	<i>Show what can be accomplished</i>	<i>Certify standards-based products</i>	<i>Deploy standards-based products</i>
Public health programs undergoing HIT standardization	<ul style="list-style-type: none"> <li>• AHIC/MU:</li> <li>• biosurveillance</li> <li>• Immunization</li> <li>• ELR</li> <li>• Public health reporting</li> <li>• Newborn screening</li> <li>• Vital records</li> </ul>	<ul style="list-style-type: none"> <li>• Biosurveillance</li> <li>• Immunization</li> <li>• ELR</li> </ul>	<ul style="list-style-type: none"> <li>• Biosurveillance</li> <li>• Immunization</li> <li>• ELR</li> </ul>	<ul style="list-style-type: none"> <li>• Hearing</li> <li>• Vital records</li> </ul>	<ul style="list-style-type: none"> <li>• Hearing</li> <li>• Vital records</li> </ul>	<ul style="list-style-type: none"> <li>• Hearing</li> <li>• Vital records</li> </ul>
		<ul style="list-style-type: none"> <li>• Public health reporting</li> </ul>	<ul style="list-style-type: none"> <li>• Public health reporting</li> </ul>			
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		<ul style="list-style-type: none"> <li>• Cancer</li> </ul>	<ul style="list-style-type: none"> <li>• Cancer</li> </ul>	<ul style="list-style-type: none"> <li>• Cancer</li> </ul>	<ul style="list-style-type: none"> <li>• Cancer</li> </ul>	<ul style="list-style-type: none"> <li>• Cancer</li> </ul>

PHDSC projects



ONC standards and interoperability framework



# Standardization Phases

- Deployment of standards-based products
- *Deploy standards-based IT products*

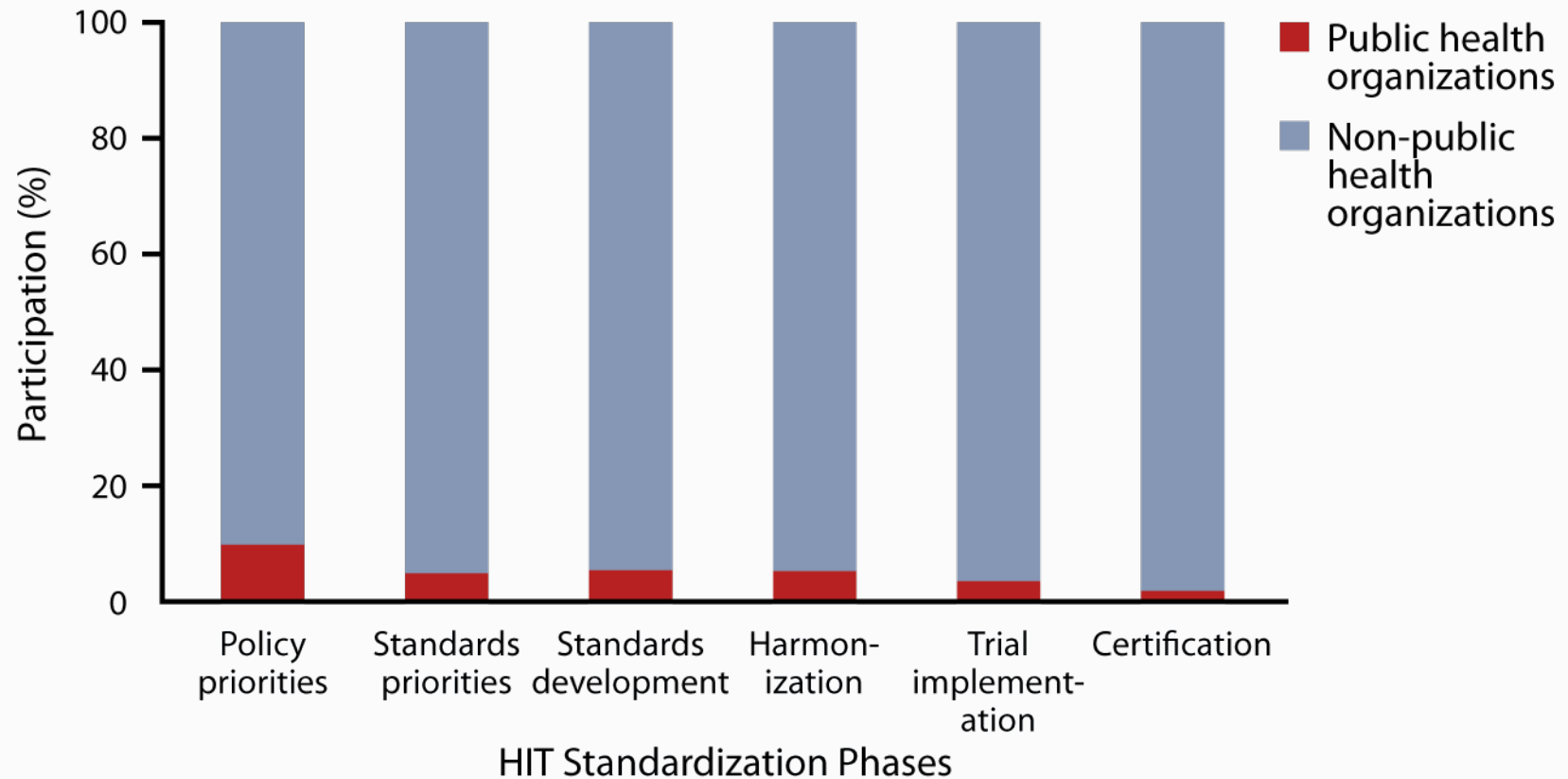


# Standard Deployment

- US

# Business Case: Public Health in HIT Standardization

## Public Health in HIT Standardization Entities



# Assuring Health IT Standards for Public Health

- Implementing the business case through:
  - **Develop and implement a methodology** for public health participation in HIT standardization efforts—PHDSC action plan towards public health sector transformation and sector unity
  - **Educate** public health community about health informatics and HIT standards



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- Standards Development & Harmonization**
- Health Information Exchanges
- Privacy & Security
- Workforce Development
- Resources
- PHDSC Products

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**Become A Member**

- PHDSC Data Standards Committee
- PHDSC Payer Typology Sub-Committee
- PHDSC Health Care Services Data Reporting Guide Sub-Committee
- Health Information Technology Standards**
- Health Information Technology Standardization Panel (HITSP)
- Certification Commission of Health Information Technology (CCHIT)
- Health Information Technology Definitions Project

## Health Information Technology Standards

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- [Definitions of Standardization, Standard and Standards Categories](#)
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- [Implementation of Standards-Based Specifications](#)
- [Adoption of Standards-Based Health IT Products](#)

# Resources

- Gordon Bell. *A Time and Place for Standards*.  
<http://acmqueue.com/modules.php?name=Content&pa=showpage&pid=210>
- Health IT Standards Committee (a federal advisory committee).  
<http://healthit.hhs.gov/portal/server.pt?open=512&objID=1271&parentname=CommunityPage&parentid=6&mode=2>
- Public Health Data Standards Consortium (PHDSC). *Health Information Technology Standards*.  
<http://www.phdsc.org/standards/health-information-tech-standards.asp>
- Public Health Data Standards Consortium (PHDSC). (2009). *Business Case: Role of Public Health In National Health Information Technology Standardization*.  
[http://www.phdsc.org/standards/pdfs/PHDSC\\_Business\\_Case\\_Public\\_Health\\_HIT-Standardization.pdf](http://www.phdsc.org/standards/pdfs/PHDSC_Business_Case_Public_Health_HIT-Standardization.pdf)

Coming up Next ...

Coming up Next ...