



Certification Commission
for Healthcare
Information Technology

The National Drive Toward Interoperability: How A “Recognized Certification Body” Uses Harmonized Health IT Standards

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Today's Topics

- Mission and Goals
- Milestones
- Process for Development
- Acceptance of Certification



Mission and Goals

Mission:

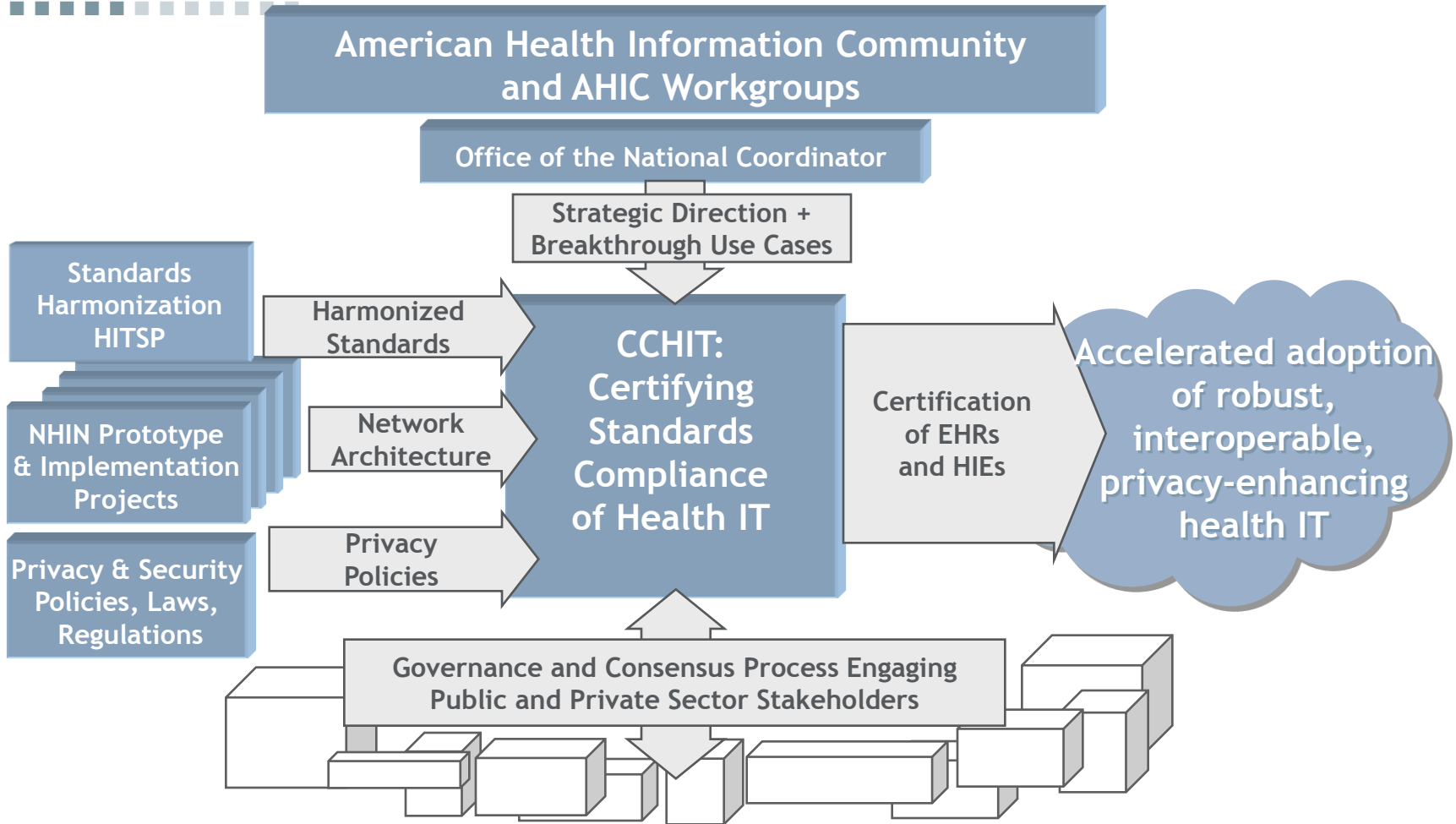
Accelerate the adoption of robust, interoperable health IT by creating an efficient, credible certification process.

Goals:

- Reduce the risks of investing in health IT
- Facilitate interoperability of health IT
- Enhance availability of adoption incentives and regulatory relief
- Protect the privacy of health information



Strategic Role of Certification in the National Health IT Initiative



Certification is a voluntary, market-based mechanism to accelerate the adoption of standards and interoperability

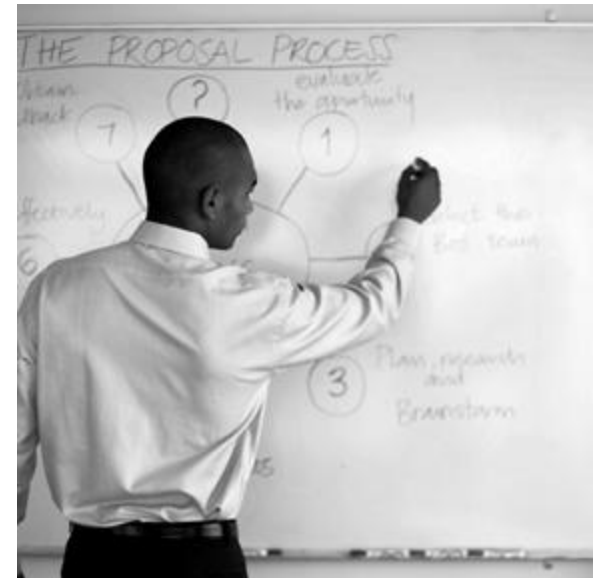


Milestones

| | |
|---------------|--|
| Sept 2004 | Founded by AHIMA, HIMSS, and NAHIT |
| Oct 2005 | Awarded 3-year \$7.5M HHS/ONC contract |
| May 2006 | Ambulatory EHR certification launched |
| Oct 2006 | Designated by HHS as a “Recognized Certification Body” |
| Jan 2007 | Becomes independent, nonprofit organization |
| Aug 2007 | Inpatient EHR certification launched |
| July/Aug 2008 | Expansion programs launched: Child Health, Cardiovascular Medicine, Emergency Dept, Enterprise |



How Are Certification Criteria Developed?





Foundations of Credibility

- Multi-stakeholder governance
- Openness and transparency
- Consensus-based decision processes
- Broad and diverse volunteer participation
- Multiple public input opportunities
- Stakeholder outreach and engagement

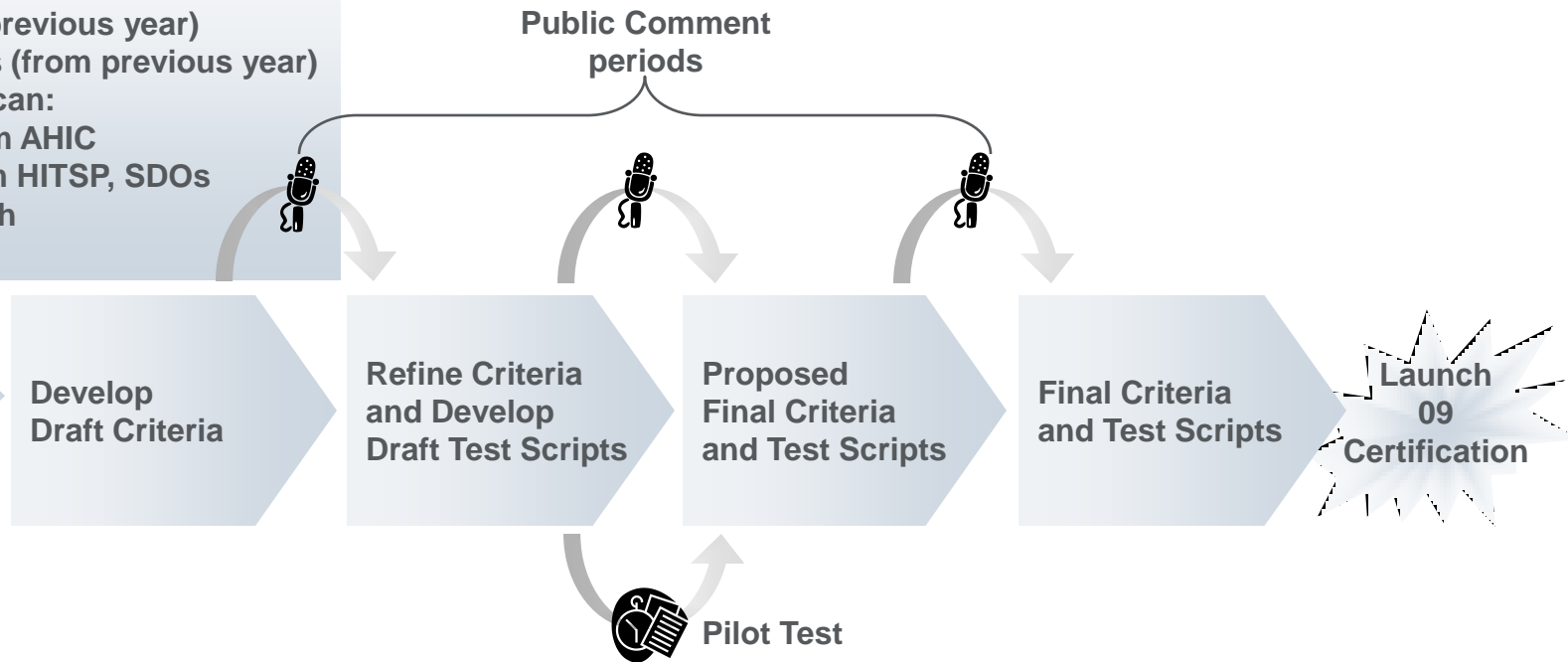
*CCHIT's most important asset
is the trust of its stakeholders*



Overview: Criteria Development Process

Inputs:

- * Scope Guidance from Commission
- * Roadmap (from previous year)
- * Future Directions (from previous year)
- * Environmental Scan:
 - Use Cases from AHIC
 - Standards from HITSP, SDOs
 - Market research
 - More



A consensus-based process with broad support from health care stakeholders



CORE Rules Referenced in CCHIT 08 Criteria and Tests

| Criteria | CCHIT Number | CCHIT Name | Certification Requirement |
|--------------------------------------|--------------------------------------|---|---|
| 08 Ambulatory Certification Criteria | IO-AM 09.13 <i>New for 08</i> | Medication/ ePrescribing | The system shall provide the ability to send a query to verify prescription drug insurance eligibility and apply response to formulary and benefit files to determine coverage. <i>X12 270/271/CAQH/CORE Phase I Rules</i> |
| | IO-AM 15.01 <i>Roadmap for 09</i> | Administrative and Financial Data | The system shall provide the ability to query and receive electronic medical insurance eligibility information. (Interoperability Work Group will reconcile with 08 IO-AM 09.13 for 09) <i>X12 270/271/CAQH/CORE Phase I Rules</i> |
| 08 Inpatient Certification Criteria | IO-IP 04.07 <i>Roadmap for 09</i> | Discharge from Inpatient Care Setting or Transfer to other Facility – Medications and Allergies | The system shall provide the ability to send a query to verify prescription drug insurance eligibility and apply response to formulary and benefit files to determine coverage. <i>X12 270/271/CAQH/CORE Phase I Rules</i> |




Where to Find Materials

Go to www.cchit.org



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CCHIT Certified® 08 materials

The final materials for [CCHIT Certified 08 Ambulatory EHR and its optional certifications](#), [Inpatient EHR](#), [Emergency Department EHR](#), and [Enterprise EHR](#) are now available for download. Organizations interested in submitting products for CCHIT Certified status should review these materials in preparation for the opening of the next certification period. [Applications for CCHIT Certified Ambulatory EHR 08 are being accepted until July 14, 2008](#). Inpatient, Emergency Department, and Enterprise open on August 1, 2008.

Most requested links

[Prepare for Ambulatory certification](#)

[Prepare for Inpatient certification](#)

[Prepare for Emergency Department certification](#)

[How to apply](#)

[CCHIT Certified Ambulatory EHR 2007](#)



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How Inspection and Certification Work












Features of Inspection Process

- Rigorous, objective, and consistent testing
- 100% compliance required
- “Open book” model – all criteria and test scripts are published in advance for all vendors to use in preparation
- Panel of well-trained expert jurors free of financial conflicts
- Cost-efficient – uses web-conferencing and other virtual presence tools to avoid travel expense
- Robust retesting and appeal processes



Product Attributes and Inspection Methods

| | Functionality | Security and Privacy | Interoperability |
|--|---|--|--|
| Self-attestation (documentation review) | |  |  |
| Jury-observed demonstration |  |  |  |
| Technical testing | |  |  |

 = Current methods

 = Future direction



Juror-Observed Virtual Demonstration



CCHIT Proctor



Juror A
(Practicing
physician)



Juror B
(Practicing
Nurse
Inpatient Products)



Juror C



Vendor personnel
follow Test Script to
demonstrate system
at the vendor facility

Web conferencing
and concurrent
audio conferencing



Interoperability Testing: Project LAIKA

- An Open Source Health IT Interoperability Testing Framework
- Collaborative effort launched by CCHIT and the MITRE Corporation in 2007
- Collaboration partners include NIST, IHE, and others
- LAIKA is a platform designed for expansion
 - Currently can test standards-compliance of sending and receiving patient summary (CCD / C32)
 - Additional testing to be added: laboratory reporting, message transport mechanisms, more



Results and Impact of Certification to Date





Provider Acceptance

Professional society endorsements:

- AAFP
- AAP
- ACP
- ACC
- ACEP
- AMA
- MGMA
- Physician's Foundations

Impact surveys:

- 72% of physicians believe published certification standards have an impact on EHR adoption¹
- 64% of CIOs are aware of certification; 55% of them plan to require it in their purchase decisions²

¹ MGH Institute for Health Policy, George Washington University and RTI, A National Survey of Health Record Keeping among Physicians & Group Practices in the United States, preliminary data report to AHIC, Jan 2008

² Survey conducted by HIMSS Analytics, March 2008



Vendor Acceptance

- Ambulatory
 - 136 ambulatory products from 93 vendors since 06
 - Represents nearly 50 % of estimated vendors in the market
 - Represents an estimated 75% of installed products
- Inpatient
 - 14 inpatient products from 11 vendors since 07
 - Represents 58% of estimated vendors in the market
- Effect on product availability and competition
 - Surveys show smaller offices and hospitals have choice
 - Certification has created a level playing field for a wide diversity of EHR developers, small and large, to compete



Certification Enables Health IT Adoption Initiatives

Public Sector:

- CMS EHR demo project
 - 2400 physician practices
 - \$150M in bonus payments
- State eHealth initiatives
 - EHR adoption incentives linked to CCHIT certification
- Stark/AKA safe harbor for donation of certified EHRs
 - Rollouts of hospital-donated EHRs for physicians announced

Private Sector:

- EHR adoption incentives announced by several health plans
 - 9% of payers now offer EHR adoption incentives¹
- Physician liability insurance
 - 4 out of 22 insurers responding to PIAA survey offer premium discount for implementation of EHRs²

¹ The eValue8 Cornerstone Report, National Business Coalition on Health, October 2007

² Couch J, Bradford A, "CCHIT Certified Electronic Health Records May Reduce Malpractice Risk," Physician Insurer, Second Quarter 2008, pp34-37








Roadmap for the Future





Expanding the Domains of Certification

| Domain | 2006 | 2007 | 2008 | 2009 | 2010 |
|--|--|---|--|----------------|--------------|
| Original 3-year HHS Contract | | | | | |
| Ambulatory EHR | Launched  | | | Update | |
| Inpatient EHR | | Launched  | | Update | |
| Network/HIE | | | Launch in Oct | Roll-out | |
| Expansion to Populations | | | | | |
| Child Health | | Began dev | Launch  | Update | |
| Behavioral Health | | | Begin dev | Launch planned | |
| Expansion to Additional Care Settings | | | | | |
| Emergency Dept | | Began dev | Launch  | Update | |
| PHRs | | | Begin dev. | Launch planned | |
| Long Term Care | | | Begin research | Begin dev | Launch TBD |
| Expansion to Professional Specialties | | | | | |
| Cardiovascular | | Began dev | Launch  | Update | |
| Other Specialties | | | Begin research | Dev TBD | Launches TBD |



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Summing Up





Summary

- An independent nonprofit organization with a mission to accelerate adoption of robust, interoperable health IT
- Consensus-based process has attracted strong volunteer commitment, stakeholder engagement, and earned industry credibility
- Positive results – real-world impacts on EHR adoption, and on track for self-sustainability
- Future vision: continued growth and expansion

For more information, go to: www.cchit.org