



Health IT Standards Advisory Committee

Dr. Marshall Ruffin

Chairman, HITSAC

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Agenda

- Health Care Evolution & Importance to the Commonwealth
- HITSAC Background
- Federal Initiatives
- Health Information Exchange (HIE) Grant
- HITSAC Work to Date
- Next Steps



Health Care Evolution

- Digital transformation of medicine
- Interoperability of medical information

Numerous benefits to our citizens:

- Provides data when and where they are needed
- Reduces the overall cost of health care
- Improves privacy and security of data exchange
- Helps to improve patient safety
- Supports public health analysis and reporting

Importance to the Commonwealth

- Federal Support across the United States
 - \$2 billion for states or state designated entities
 - Resource Centers (1-2 per state)
 - Research Centers (multiple per state)
 - Health Information Exchange (HIE) (1 per state)
 - \$18 billion for achieving “meaningful use”
 - Incentives to hospitals and physicians

Importance to the Commonwealth

The Commonwealth will receive significant funding and incentives

Funding Source	Funding Amount
HIE Grant	11.6 million (final amt)
Resource Center Grant	8.5 million (avg award)
Research Center Grant	FOA not released
Meaningful Use Incentives	
To Eligible Providers in VA <ul style="list-style-type: none">Eligible providers will receive incentives – criteria to be finalized by Spring 2010	TBD
To Hospitals in VA – VHHA estimates <ul style="list-style-type: none">Maximum Medicare HIT incentives, in addition some will qualify for Medicaid incentives	347.5 million
Estimated Total for VA	367.6 million so far

Funding estimates for COV will be more concrete in March 2010

HITSAC Members

Mr. Daniel Barchi

- *Senior Vice President and Chief Information Officer of Carilion Clinic*

Mr. Geoff Brown

- *Senior Vice President and Chief Information Officer of Inova Health System*

Dr. Alistair Erskine

- *Chief Medical Information Officer of VCU Health System*

Mr. John Quinn

- *Chief Technology Officer of HL7, Inc.*

Dr. Marshall Ruffin (Chairman)

- *Chief Technology and Health Information Officer of UVA Health System*

HITSAC Liaisons

- **Mr. Bert Reese**

- *ITIB Member*

- **Mr. John McDonald**

- *Deputy Secretary of Technology*

- **Ms. Kim Barnes**

- *Representing Secretary of Health and Human Resources*
- *Director of Office of Health IT within Virginia Department of Health*

HITSAC Charter

HITSAC will advise the Information Technology Investment Board (ITIB) on the approval of nationally recognized technical and data standards for health information technology systems or software pursuant to subdivision 6 of § 2.2-2458 in the Code of Virginia.



HITSAC Guiding Principles

- Define a Health Information Exchange utility and identify steps to create it.
- Focus on data requirements for both patient health purposes and public health purposes (research).
- Ensure patient-centric data are available within the Commonwealth.
- Recognize standards: the Commonwealth of Virginia Health Information Exchange (COV-HIE) is a utility; not a competitive advantage for its creators.
- Focus on interoperability as a critical success factor of COV-HIE.
- COV-HIE will be semantically interoperable with the Nationwide Health Information Network the standards for which are defined by the Health Information Technology Standards Panel (HITSP).
- Adopt national standards where they exist. In the absence of a national standard, adopt other standards to meet the Commonwealth's needs.
- Ensure standards have been validated prior to adoption.

Federal Initiatives

- The American Reinvestment and Recovery Act (AARA) includes the Health Information Technology for Economic and Clinical Health Act of 2009 (the HITECH Act) setting forth ***a plan for advancing the appropriate use of health information technology to improve quality of care and establish a foundation for health care reform.***
- HITECH established the Office of the National Coordinator for Health Information Technology (ONC) within the U.S. Department of Health and Human Services (HHS).
- *Dr. David Blumenthal is the National Coordinator.*



Federal Initiatives

- **ONC** is the principal federal entity charged with coordinating the effort to implement a nationwide health information technology infrastructure that allows for the electronic use and exchange of health information.
- **Healthcare Information Technology Standards Panel (HITSP)** is a cooperative public/private partnership that harmonizes and integrates standards to meet clinical and business needs for sharing information.
- **HITECH** authorizes the **Centers for Medicare and Medicaid Services (CMS)** to administer incentives to eligible professionals and hospitals for meaningful use of electronic health records (EHRs).
- Incentives for hospitals and physicians will drive adoption of EHRs. CMS will provide incentives for “meaningful use” of EHRs in FY 2011 and penalties in FY 2015 for lack of “meaningful use.”

Defining Meaningful Use – Provider Example

Health Outcomes	2011 Objectives	2013 Objectives	2015 Objectives
<i>Improve quality, safety, efficiency, and reduce health disparities</i>	Use computer based order entry (CPOE) for all orders.* Electronic interfaces to receiving entities not required	Use CPOE for all orders	Achieve minimal levels of performance on quality, safety, and efficiency measures
	Implement drug-drug, drug allergy and drug formulary checks	Record family medical history	Medical device interoperability
<i>Engage patients and families</i>	Provide patients with electronic copy of their health information	Access for all patients to personal health record populated real time	Patients have access to self management tools
	Provide clinical summaries for patients for each encounter	Incorporate data from home monitoring device	Electronic reporting on experience of care

* **Orders** - medication, laboratory, procedure, diagnostic imaging, immunization, referral

HIE Grant Application

- Grant application due October 16th
- COV will submit application for planning
- COV will have 6-8 months to complete a strategic and operational plan for an HIE
- If the grant application is approved, COV will be awarded \$11.6 million to plan and implement the state HIE
- All state plans will be approved by ONC



COV-HIE Plan will address 5 Domains

- Governance
 - Finance
 - Technical Infrastructure
 - Business and Technical Operations
 - Legal/Policy
- HITSAC's Focus**
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- The diagram illustrates the relationship between HITSAC's Focus and the five domains. A central text label 'HITSAC's Focus' is connected to the domains by three dashed arrows: a horizontal arrow labeled 'influence' pointing to 'Governance', a diagonal arrow labeled 'leadership' pointing to 'Technical Infrastructure', and another diagonal arrow labeled 'influence' pointing to 'Business and Technical Operations'.

Executive Order 95

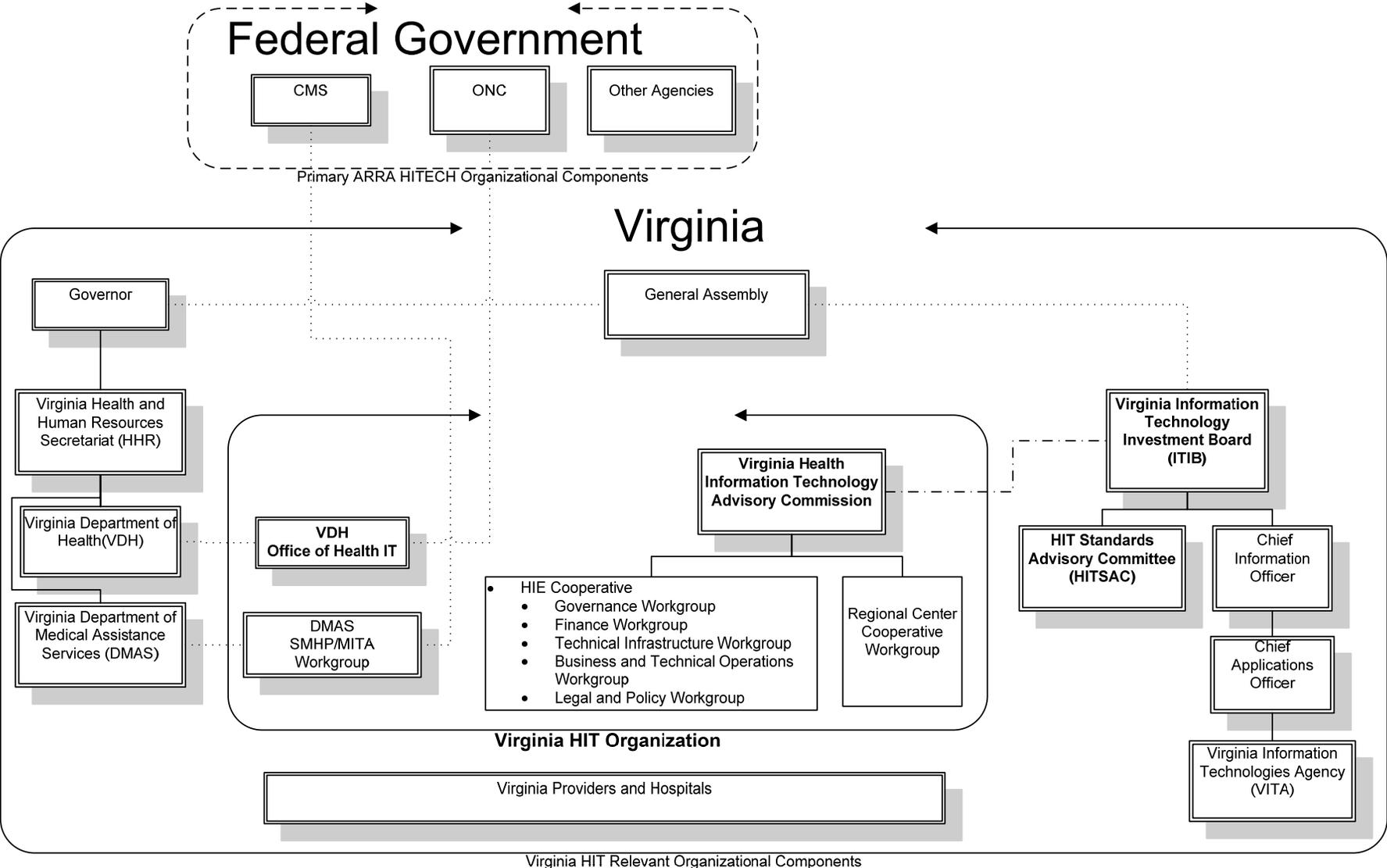
- To assist in the development of a strategic and operational plan for health IT, Governor Kaine issued Executive Order 95 establishing:



- **Virginia Health IT Advisory Commission (HITAC)**; a public/ private partnership to provide guidance and oversight for Commonwealth health initiatives
 - *Chaired by the Secretary of Health and Human Resources*
- **Office of Health IT** within the Virginia Department of Health (VDH)
 - *Led by Ms. Kim Barnes, Coordinator*

The mission is to use information technology to improve health care quality and efficiency through the authorized and secure electronic exchange and use of health information.

Organizational Structure



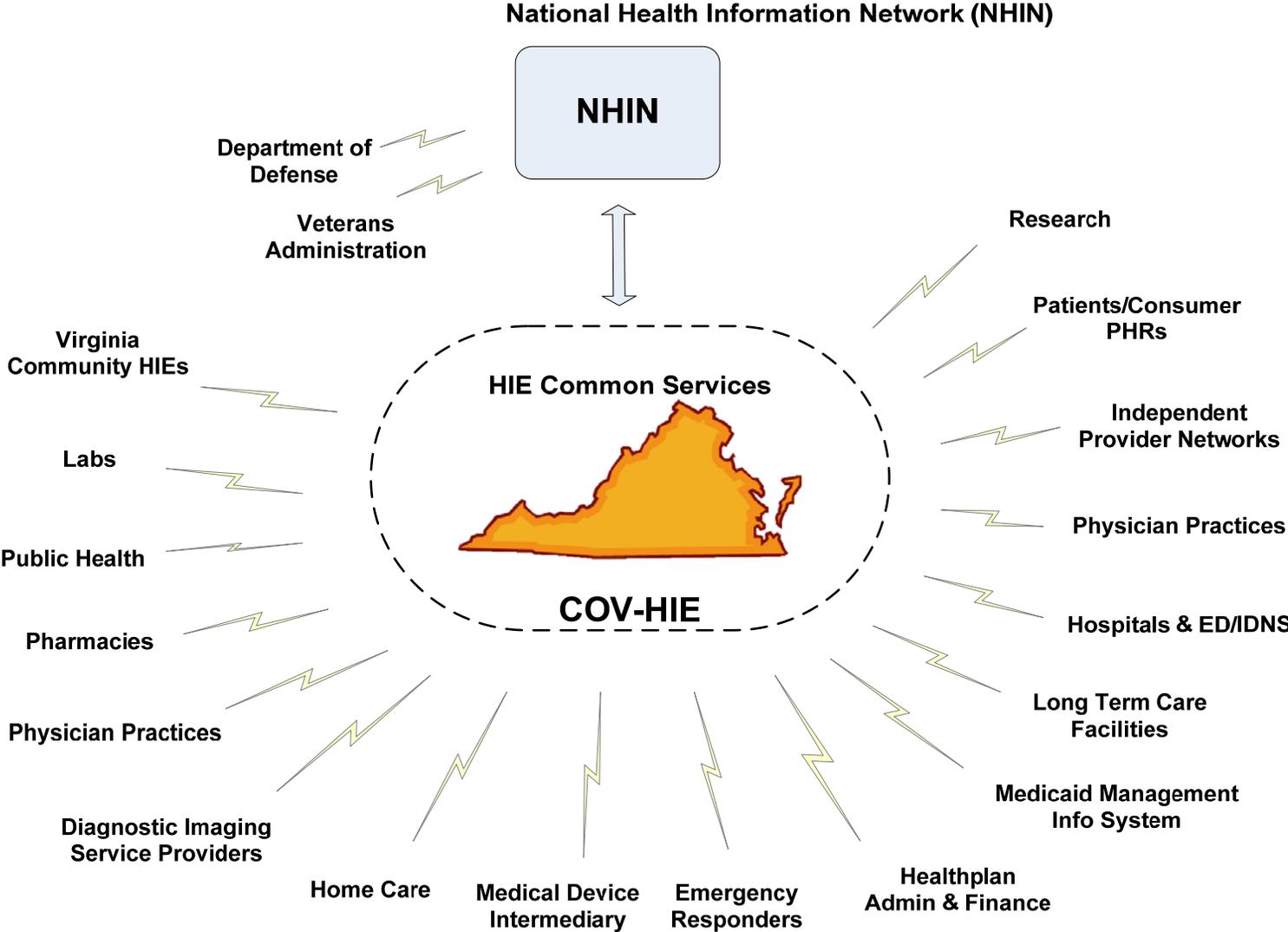
HITSAC – Work to Date

- Invited input from state agencies and stakeholders
 - VDH, DCLS (State Lab), DMAS, and VITA Enterprise Architecture
 - VHEN Project – Virginia Health Exchange Network
- Reviewed Major / Non-Major Health IT projects with VITA
- Reviewed current HIE activities for neighboring states
 - Maryland, NOVA, D.C., North Carolina, Indiana, Delaware, Vermont
- Reviewed federal standards and HIE architectures
- Discussed clinical research informatics
- Drafted COV-HIE Technical Infrastructure White Paper

HITSAC Recommendations - Examples

- Adopt the HITSP Interoperability Specifications and Capabilities recommended by the Office of National Coordinator.
 - The COV-HIE will support the interoperability and data exchange functions of “meaningful use” of Electronic Health Records (EHR).
- COV-HIE will support the connectivity requirements of the Nationwide Health Information Network (NHIN) and provide connectivity to it for citizen of the Commonwealth of Virginia.
- All HIEs within the Commonwealth that wish to connect to the COV-HIE must comply with the HITSP Interoperability Specifications and Capabilities.
- The Commonwealth advocate all Virginia Community HIEs go through the COV-HIE to connect to the NHIN.

COV-HIE Conceptual View



Next Steps

- Package initial set of recommendations for ITIB review in December
- Work with Office of Health IT on planning efforts for COV-HIE
- Identify VITA resources to support HITSAC and Office of Health IT tasks related to the COV-HIE technical infrastructure



Additional Slides

Terms – Consensus Definitions

Electronic Medical Record (EMR)

- *An electronic record of health-related information on an individual that can be created, gathered, managed and consulted by authorized clinicians and staff within one health care organization.*

Electronic Health Record (EHR)

- *An electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be created, gathered, managed and consulted by authorized clinicians and staff across more than one health care organization*

Personal Health Record (PHR)

- *An electronic record of health-related information on an individual that conforms to nationally recognized interoperability standards and that can be drawn from multiple sources while being managed, shared, and controlled by the individual.*

Terms – Consensus Definitions

Health Information Exchange (HIE)

- *The electronic movement of health-related information among organizations according to nationally recognized standards.*

Health Information Organization (HIO)

- *An organization that oversees and governs the exchange of health-related information among organizations according to nationally recognized standards.*

Regional Health Information Organization (RHIO)

- *A health information organization that brings together healthcare stakeholders within a defined geographic area and governs health information exchange among them for the purpose of improving health and care in that community.*
 - *e.g. DCRHIO, NOVARHIO*