HITSAC

Health Information Technology Standards Advisory Committee

HITSAC Accomplishments & Planned Priorities

Marshall Ruffin, MD
HITSAC Chairman

Presentation to the
Information Technology Advisory Committee
August 3, 2015

HITSAC Legislative Background

- Created in 2009 as an advisory committee to the Information Technology Investment Board (ITIB), with statutory authority codified under § 2.2-2458.1, *Code of Virginia*
- Upon dissolution of ITIB in 2010, HITSAC was restructured to serve as an advisory body to ITAC with statutory authority pursuant to §2.2-2699.7, *Code of Virginia*

HITSAC Charter

- HITSAC is tasked with advising on nationally recognized technical and data standards for health information technology (IT) systems or software for state agencies, including
  - Vocabulary, messaging, data, data exchange and related standards
  - Data governance between health IT and the other domains of state government
  - Use of the statewide Health Information Exchange (HIE)
  - Data requirements and standards for patient health and public health research
  - Semantic interoperability and shared vocabulary
- HITSAC consists of five members, with representatives from HHR and Technology secretariats
- HITSAC's charter is located on VITA's website: https://www.vita.virginia.gov/uploadedFiles/VITA_Main_Public/ITAC/HITSAC/HITSAC_Charter_Adopted.pdf

HITSAC Board Members

Dr. Marshall Ruffin, HITSAC Chairman, Executive Vice President and Chief Technology Officer, Inova Health Systems **(July 2009-Present**

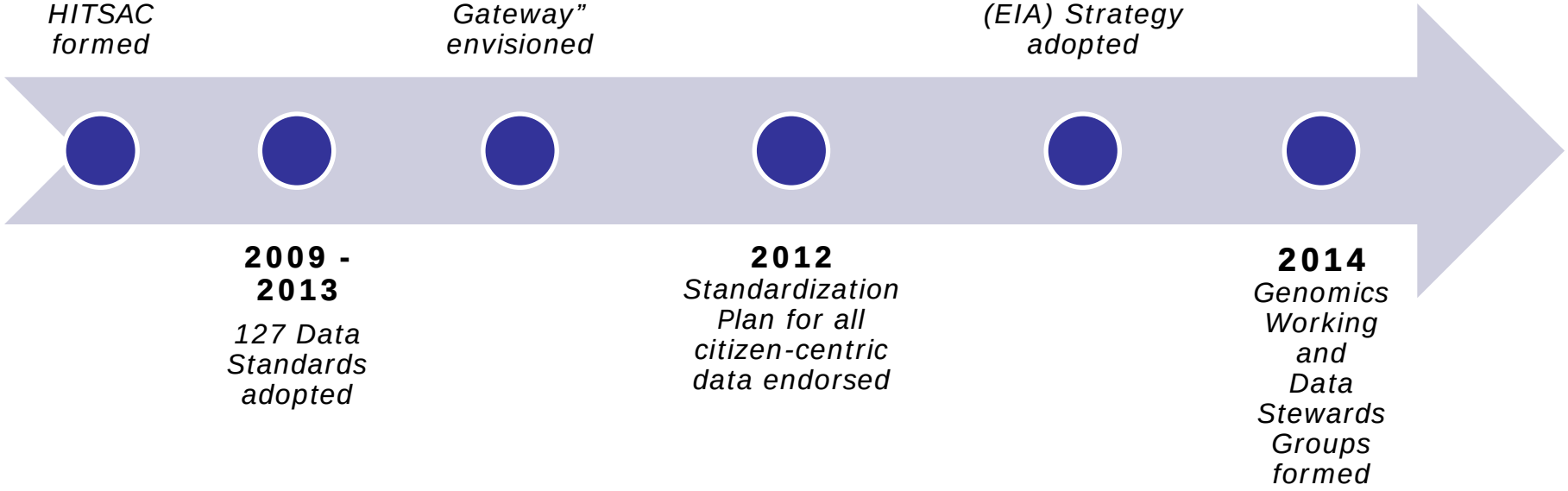
Mr. Rich Pollack, MS, CHPHIMS, FHIMSS Vice President and Chief Information Officer, Virginia Commonwealth University Health System **(February 2011-Present)**

Dr. Sallie S. Cook, Chief Medical Officer, VHQC **(May 2011-Present)**

Dr. James H. Harrison, Associate Professor and Director of Clinical Informatics, Departments of Public Health Sciences and Pathology, University of Virginia **(May 2011-Present)**

Mr. John Quinn, Chief Technology Officer Health Level 7 **(August 2009-Present)**

HITSAC Timeline of Contributions



HITSAC Annual Reports

- HITSAC 2013 Annual Report
- HITSAC 2014 Annual Report
- HITSAC's contributions include significant recommendations in the following areas:
  - Health IT interoperability
  - Health information exchanges (HIEs)
  - Enterprise architecture and governance

Accomplishments - Interoperability

- Adopted 127 national/international standards, including:
  - HL7 for clinical documents
  - SNOMED for vocabulary
  - LOINC for lab reporting
- Supported Virginia's Health IT/Medicaid IT Architecture (HIT/MITA) Program by advising on standards for Enterprise Data Management (EDM) service and Commonwealth Authentication Service (CAS)
- Monitored the Fast Healthcare Interoperability Resources (FHIR)® trial use standard frameworks to promote citizen electronic access to medical records and will consider it for adoption in 2015 upon release by HL7
- Endorsed an effort led by the Department of Aging and Rehabilitative Services (DARS) to broaden the definition of a provider and to identify data standards for home and community based services

Accomplishments - Interoperability

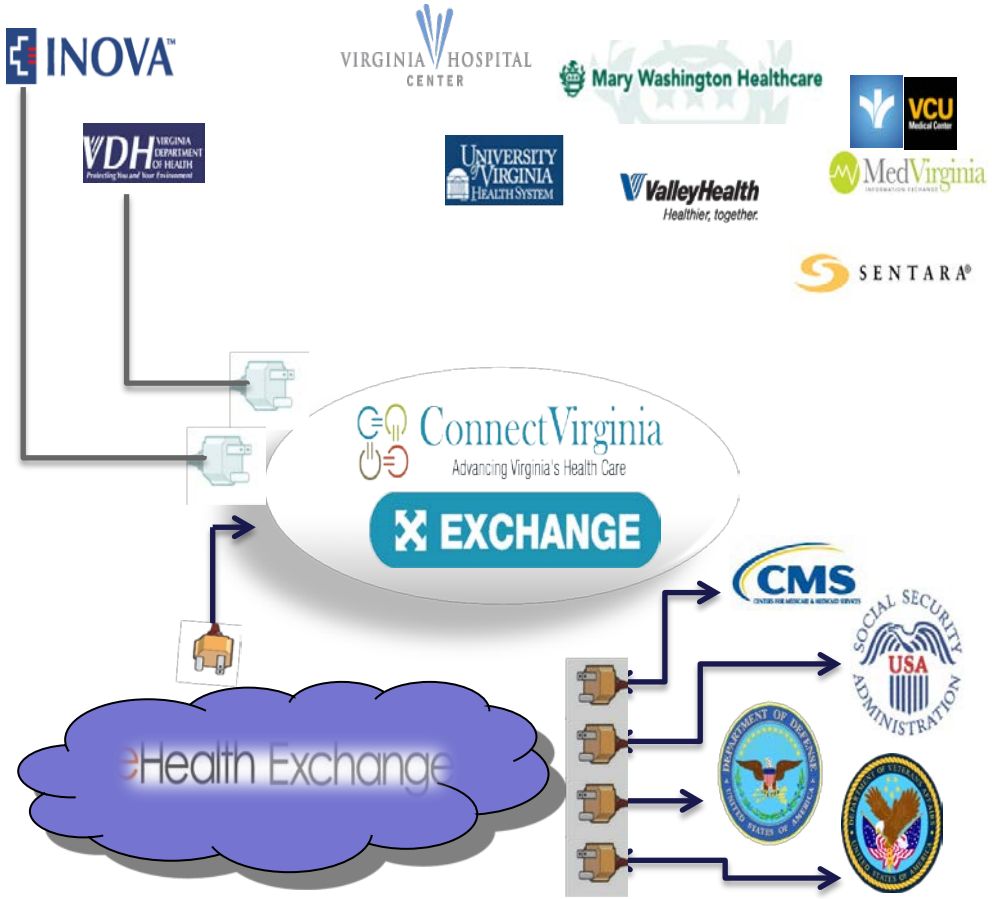
- Established the Genomics Working Group (GWG) to investigate requirements for health information technology (IT) standards to support personalized medicine, clinical genomics, genetic research and related bioinformatics
  - Use Case #1 – Process for Implementing a Clinical-Grade Variant File within the Healtheway eHealth Exchange
  - Use Case #2 – Process for Integrating Results from Pharmacogenomic Testing across EHR Systems
- GWG recommended for adoption:
  - CLIA - Public Law 100-578. The CLIA standards cover all laboratory testing (except research) performed on humans in the United States.
  - Health Level 7 (HL7) Implementation Guide for CDA Release 2: Genetic Testing Reports, Release 1
  - HL7 Version 2 Implementation Guide: Clinical Genomics; fully LOINC-Qualified Cytogenetic Model, Release 1 (US Realm)
  - HL7 Version 2 Implementation Guide: Clinical Genomics, fully LOINC-Qualified Genetic Variation Model (US Realm)

Accomplishments - Architecture/Governance

- Advised on Virginia HIE's interoperability with "Government Gateway" MITA shared services portfolio
- Advised on the Commonwealth's Data Standardization Plan and Enterprise Information Architecture (EIA) Strategy
- Endorsed the creation of the Commonwealth Data Stewards Group, responsible for enterprise data governance
- Endorsed strategy for integrating data governance into IT investment management (standards compliance monitoring as part of project oversight)
- Formalized its relationship with the e-MOU Coordinating Committee to monitor the Enhanced Memorandum of Understanding (e-MOU) data sharing framework utilized by the HHR secretariat
- Monitored the approval process for the new Virginia Geographic Information Network (VGIN) geospatial data/map layer standards as well as the modification process for the existing Vendor Data Standard

Accomplishments – Health Information Exchange

- Shaped Virginia's HIE by researching neighboring states (NC, MD, WV)
- Advised Virginia's HIE on enterprise architecture, onboarding certification, and trust frameworks
- Supported onboarding of the first "node" onto the statewide HIE



2015 Looking Forward

- Standards for exchange of personalized and precision medicine
  - Foster Biotech growth in Virginia
  - Optional genome data collection to support cancer registry and pharmacogenomics
- Standards for quality measures, payment reform, and HIT
  - Support for State Innovation Model (SIM) planning grant
- Standards for Health & Human Services Electronic Data Exchange
  - National Emergency Medical Services Information System (NEMSIS) for opportunities related to health surveillance
  - National Electronic Interstate Compact Enterprise (NEICE) for the placement of children across state lines

2016 Looking Forward

- Standards to promote patient electronic access to medical records
  - Federated Provider Directory
  - FHIR Open API Standards to enable patients/providers to share data with designated, trusted apps
- Security standards for access to health information
  - Multi-factor authentication and identity management
  - Biometric standards to support telemedicine and access to medical records
  - HealthIDx (IDaaS)
- Expansion of “Government Gateway” architecture to agencies outside of eHHR
- Opportunities for ConnectVirginia expansion

HITSAC's Future

- HITSAC's original charter was approved by ITIB, shortly before it was disbanded.
- HITSAC's current charter was approved by the previous ITAC members (mostly comprised of agency CIOs)
  - Should the current ITAC members review/modify HITSAC's charter?
- HITSAC's current members have the capacity to advise not only on health IT standards, but also on information management for the health care industry and related business domains.
  - Health information exchange, electronic medical records, device interoperability
  - Should HITSAC advise only the CIO/SoTech on health IT standards or should HITSAC also advise SoHHR on health care industry information management priorities and direction?
  - Who in state government establishes priorities for HITSAC? Should this be the SoTech and SoHHR? Or does ITAC establish priority?

Questions?

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