Commonwealth of Virginia
Health Information Technology

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Overview

Improving the cost and quality of healthcare in the Commonwealth

Topics include:

- ✓ Meaningful use and its impact
- ✓ Electronic Health Records
- ✓ Health Information Exchange
- ✓ Enterprise Health and Human Resources Projects
- ✓ Medicaid Information Technology Architecture (MITA)

History

2006

- Executive Order 29 established the Governor's Health Information Technology Council

2009

- HITECH Act is passed as part of ARRA
- Executive Order 95 establishes the Governor's Healthcare Advisory Commission HITAC

2010

- HITAC developed a Strategic Plan and an Operational Plan for the Virginia Statewide HIE

2011

- VDH issued an RFP for a contractor to establish a Statewide HIE governance structure, create the Statewide HIE organization, manage the HIE's operations on an ongoing basis, and put in place and operate the technology infrastructure of the Statewide HIE
- VDH awarded Community Health Alliance the contract for the Statewide HIE

2012

- eHHR Program was chartered

“Meaningful Use”

The main components of “Meaningful Use” are:

- ✓ The use of certified Electronic Health Records (EHR) in a meaningful manner, such as e-prescribing
- ✓ The use of certified EHR technology for electronic exchange of health information to improve quality of care
- ✓ The use of certified EHR technology to submit clinical quality and other measures

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“Meaningful Use”

The “meaningful use” of EHRs is as follows:

- ✓ Improve care coordination
- ✓ Reduce healthcare disparities
- ✓ Engage patients and their families
- ✓ Improve population and public health
- ✓ Ensure adequate privacy and security

Electronic Health Records

The Health Information Technology for Economic and Clinical Health Act set meaningful use of interoperable EHR adoption in the health care system as a critical national goal and incentivized EHR adoption

- ✓ The Virginia Department of Corrections has concluded an EHR procurement for use within the prison system
- ✓ An enterprise wide EHR procurement is underway being lead by the Virginia Department of Behavioral Health and Developmental Services

Electronic Health Records

An electronic health record is an evolving concept defined as a systematic collection of electronic health information about individual patients or populations. It contains:

- ✓Demographics
- ✓Medical history
- ✓Medications and allergies
- ✓Laboratory test results
- ✓Radiology images
- ✓Vital signs
- ✓Billing information

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The Challenge to Interoperate

- ✓ Each state and territory entered into a funding agreement with the Office of National Coordinator (ONC) in Health and Human Services (HHS) for the creation of a statewide health information exchange (HIE)

- ✓ The goal of the Virginia Exchange is to foster and sustain trust, collaboration and information-sharing among consumers, providers and purchasers of healthcare services in the Commonwealth of Virginia, leading to measureable improvement in outcomes and cost-effective delivery of services

Vendor to Oversee the Statewide HIE

Community Health Alliance, a non-profit Virginia-based organization, is responsible for the creation and governance of the statewide HIE

The HIE is a secure, confidential, electronic system where a patient's records are accessible to other health care providers throughout the nation if a patient chooses to participate

Once implemented, the statewide HIE will improve the speed in which patients receive care, especially if the patient is receiving care from a physician other than their primary care provider

Statewide HIE Core Services

- ✓ Master Person Index
- ✓ Record Locator Service
- ✓ Health Information Exchange Registry
- ✓ Provider Registry
- ✓ Consent Registry
- ✓ Secure Messaging Service

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Regional HIE
VITA
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DMAS
Agency Gateway
ConnectVirginia
Advancing Virginia's Health Care
Exchange

Veteran Affairs

Specialist Office

VDH

Maryland

West Virginia

Primary Care Office

Hospital

Outpatient Labs

Health Information Exchange

Query

Retrieve

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Value Added by ConnectVirginia

- ✓ Connection to the State Government Gateway
- ✓ Connection to the Virginia Health Exchange Network
- ✓ Connection to the Advance Healthcare Directive Registry

Registration Number:

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Registrant Name:

Emergency Contact:
Name:
Phone:

Primary Care Physician:

Preferred Hospital:

Advance Health Care Directive Registry Information:
Phone: (800)224-0791
Fax: (877)422-4633
www. virginiaregistry.org

Nodes Connected to Statewide HIE

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Direct – Simple, Secure Push Tool

How does Direct fit in with other types of exchange?

- The Direct Project provides HIEs with a **low cost way to enable simple push messaging** to their healthcare constituents
- The Direct Project **doesn't replace** other ways information is exchanged electronically today, but it might **augment** them
- The Direct Project supports **simple use cases** in order to speed adoption, but other methods of exchange might be suited for other scenarios, e.g., simple provider referrals vs. real-time population health statistics
- The Direct Project was designed to **coexist gracefully** with **existing protocols** for data exchange, e.g., web services, client-server, etc.
- The Direct Project seeks to replace slow, inconvenient, and expensive methods of exchange (e.g., paper and fax) and provide a future path to **advanced interoperability.**
- The Direct Project specifications will be incorporated into the **Nationwide Health Information Network**

Health information exchange: a puzzle with many pieces

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Enterprise Health and Human Resources Vision

- Promote and manage enterprise projects in close coordination with federal and state direction

- Provide the right services for the right people at the right time for the right cost

- Promote the use of common architectures and common infrastructure to decrease cost and enhance interoperability

Enterprise Health and Human Resources Scope

- Over-arching scope is to implement IT systems, business processes and organizational changes necessary to address the modernization of Medicaid systems

- This modernization is targeting moving the HHR business, information and technical architectures to higher levels of maturity

Business Drivers

The primary business drivers are:

1. To increase the efficiency of HHR workers, allowing the Commonwealth to address Medicaid Expansion without a significant increase in administrative and operational staffs.
2. Reduce the error rate in Medicaid/CHIP enrollment.

Virginia has succeeded in obtaining federal funding to support the state's Eligibility Modernization projects. Additionally the Commonwealth intends to leverage Federal funding available under the ARRA and, potentially, the PPACA to accomplish the Program goals which will require adherence to standards and guidelines of CMS

To-Be

State Government Gateway

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Questions?

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