

# Commonwealth of Virginia Health Information Exchange

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# STATEWIDE HIE Mission

- 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
- Ultimately then, the goal is to provide better and more thorough care to the citizens of Virginia

# Statewide HIE Strategic and Operational Plans

- Virginia created strategic and operational plans for the Statewide HIE through the Health Information Technology Advisory Commission, chaired by Secretary Bill Hazel
- The plans address the following areas: Governance, business operations, technical infrastructure, finance, legal/policy, communications and transformational outcomes

# Health Information Exchange

- Health Information Exchange (HIE) is the formal term for a secure network that connects participating health care providers within a particular geographical area
- A complete HIE provides interoperability between disparate Electronic Health Records systems, quickly delivering patient information when and where it is needed
- Through a competitive RFP process, VDH selected Community Health Alliance as the non-profit vendor to stand up the Statewide HIE

# Community Health Alliance

Community Health Alliance, a non-profit Virginia-based organization, will be responsible for the creation and governance of the statewide HIE - a secure, confidential, electronic system where a patient's records will be 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 Status

- Governing Body selected and initial meeting held January 20th
- Direct Portal go-live scheduled for mid-late February
- Statewide HIE Website being constructed
- Statewide HIE name and logo:



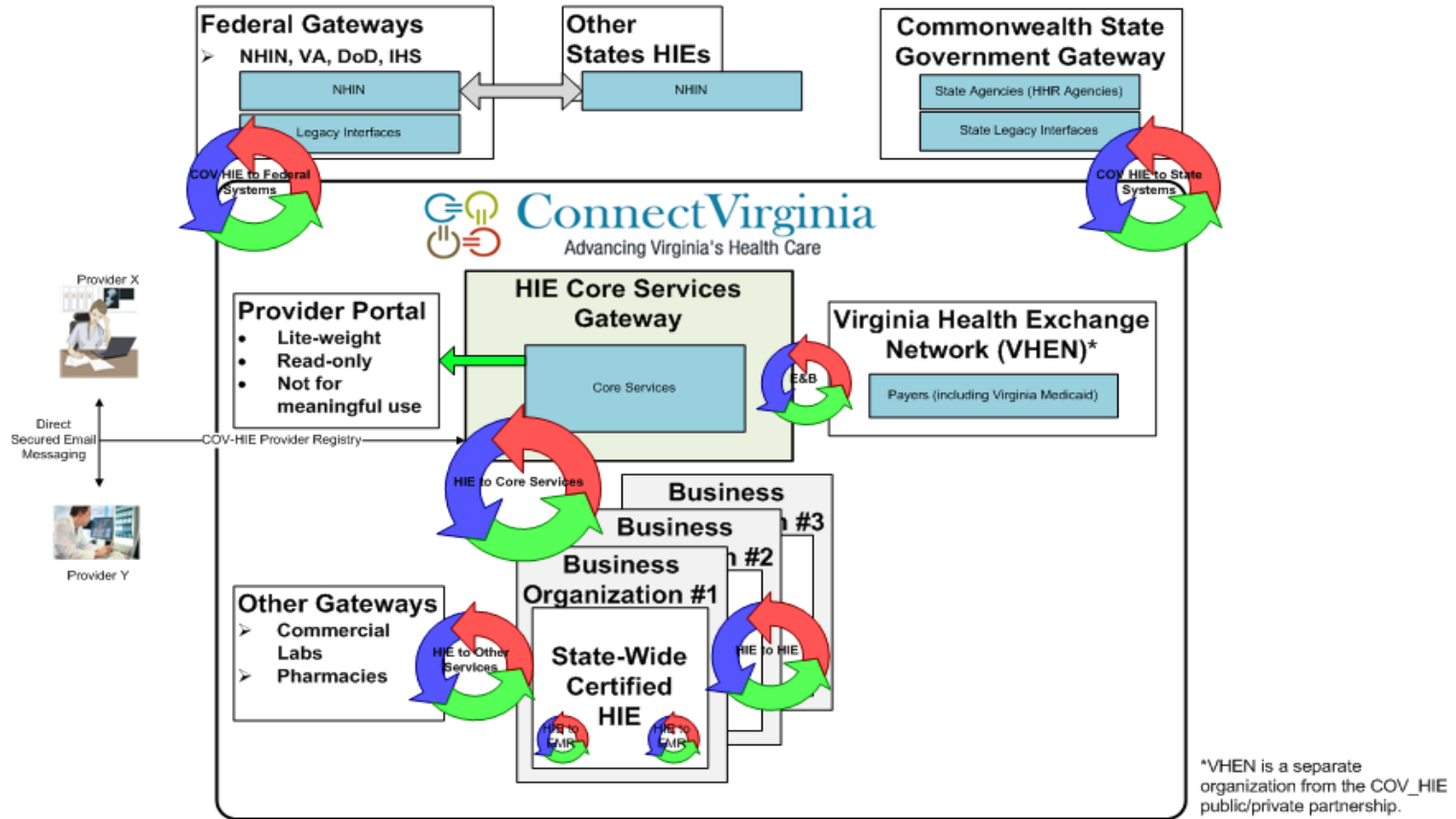
# Statewide HIE Core Services


The Statewide HIE will provide basic services including:

- Master Person Index
- HIE Registry
- Consent Registry
- Record Locator
- Provider Registry
- Secure Messaging

Additionally, the HIE will provide value-added services including a connection to the State government gateway, the Virginia Health Exchange Network, and to the Advance Directive Registry

# To-Be Conceptual Architecture



**Legend**  
 Coordinated alignment with Federal and State direction for standards, communications, technology, and services.

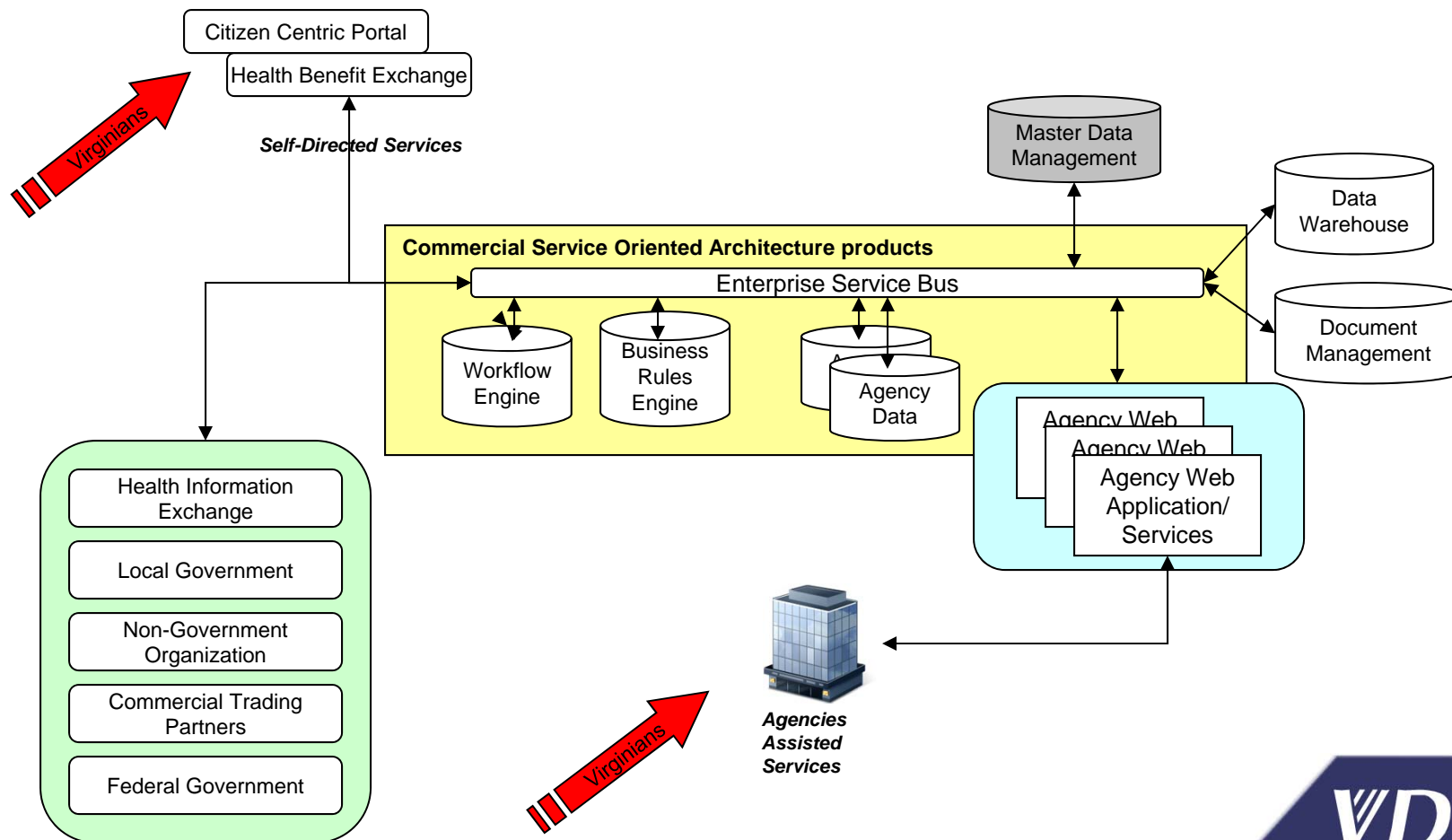
# Medicaid Information Technology Architecture

As a result of health reform, many changes are occurring in the health information technology space, including the advent of the electronic health record, personal health record and the health information exchange

In order to accommodate these changes, Virginia is developing a common architecture built on Service Oriented Architecture (SOA) principles called MITA

Under this model, services will be more self-directed via a common portal

# To-Be State Government Gateway



# VDH's Role in the MITA Project

- VDH plays a key role within the MITA framework by participating in the planning of the architecture and processes that will support this enterprise gateway or portal
- VDH participates in the Health Information Technology Standards Advisory Committee to establish nationally recognized data standards that will be used in the exchange of health information

# The Statewide HIE and Meaningful Use

- As the Statewide HIE comes online, providers will be able to use the service to meet meaningful use
- In the meantime, VDH is assisting providers with connectivity to the Virginia Immunization Information System. Additionally, providers will eventually be able to transfer electronically reportable disease and lab findings and syndromic surveillance information

# Reportable Lab Findings

- Laboratories are required to submit findings for 60 health conditions of public health importance
- As Is:
  - Reports can be mailed/faxed to local health dept.
  - Reports can be transmitted electronically in a secure HL7 formatted message
- To Be:
  - Reports can be transmitted electronically directly from the laboratory information system through the HIE and the gateway to VDH using a secure HL7 formatted message

# Reportable Disease Findings

- Physicians are required to report suspected or confirmed diagnoses of 73 conditions of public health importance
- As Is:
  - Reports are mailed or faxed on the Epi-1 form to the local health department
- To Be:
  - Reports can be transmitted electronically directly from the EHR through the HIE and the gateway to VDH using a secure HL7 formatted message
  - EHRs may automatically generate the report or allow the physician to trigger its creation

# Syndromic Surveillance

- Emergency departments and urgent care centers send chief complaints from all patient visits to public health
  - Used to identify emerging health events (outbreaks, potential bioterrorism attack) and for monitoring known situations (influenza, etc.)
- As Is:
  - Daily electronic transmissions from 97 facilities
- To Be:
  - Reports transmitted electronically directly from the EHR through the HIE and the gateway to VDH using a secure HL7 formatted message

# Virginia Immunization Information System (VIIS)

- VIIS is currently capable of connecting directly with any party interested in exchanging immunization data.
- VIIS currently exchanges data with:
  - Independent Provider EMRs
  - Health Systems
  - Third Payer Systems
  - Pharmacies/Urgent Care
  - Public Health
- VIIS connectivity options will increase in time and with COV-HIE
  - Manual Batch Load at set intervals (Daily, Weekly etc...)
  - Automatic Batch Load at set intervals (Daily, Weekly etc...)
  - Real Time Unidirectional Exchange
  - Real Time Bidirectional Exchange

# Statewide HIE

QUESTIONS?