Health Information Exchange
Strategic Plan 2023-2027
(2024 Update)

November 18, 2024

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Agenda

- Goals of the Health Information Exchange

- Steering Committee Composition

- Components of the Health Information Exchange

- Ecosystem – Unified Health Data Space

- 2024 Accomplishments

- Strategic Plan

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Goals of the Health Information Exchange

1 Create 1 health record for every person

Better health outcomes

Improved healthcare operations

Use data to enable investment and policy decisions

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2024 HIE Steering Committee

⭐ New from last year

VOTING MEMBERS

Will Dempsey - Chair
(Agency of Human Services)

Emma Harrington
(VAHHS)

Eric Schultheis
(Health Care Advocate)

Jessie Hammond
(Vermont Dept. of Health)

⭐ Jodi Frei
(OneCare Vermont)

Victor Morrison
(Person Advocate)

Sandy Rousse
(Central Vermont Home Health and Hospice)

Jimmy Mauro
(BCBS of VT)

Mary Kate Mohlman
(Bi-State Primary Care)

⭐ Ken Gingras
(Vermont Care Partners)

Helen Labun
(Long Term Care Advocate)

John Saroyan
(Practice Innovation Lead)

Rick Dooley
(Independent Providers)

⭐ Song Nguyen
(Health Equity Expert)

NON –VOTING MEMBERS

Beth Anderson
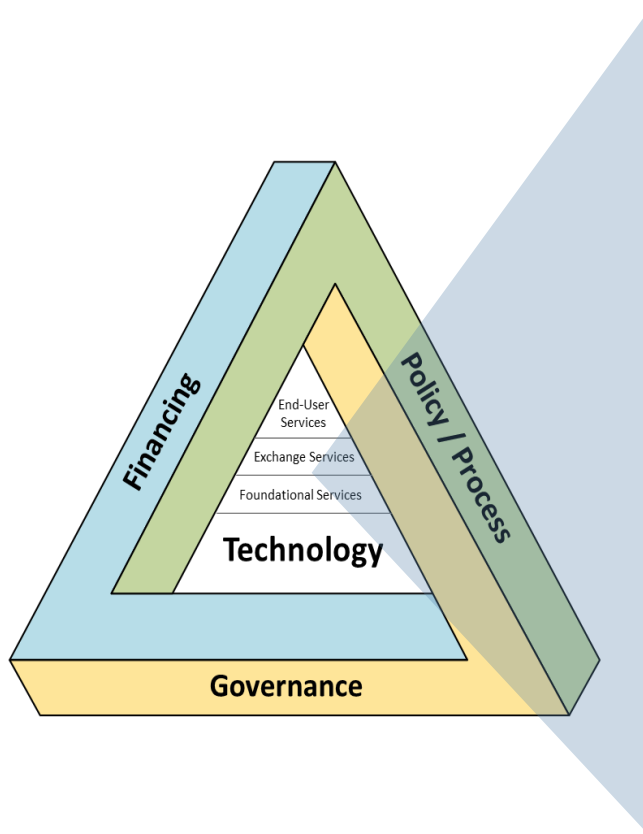(VITL)

⭐ Andrea DeLaBruere
(Agency of Digital Services)

⭐ Steven Andrews
(Green Mountain Care Board)

James LaRock
(Privacy Expert)

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HIE Ecosystem: Four components

End-User Services	
Reporting Services	Notification Services
Analytics Services	Consumer Tools
Care Coordination Tools	Patient Attribution & Dashboards

Exchange Services		
Data Extraction & Aggregation		Data Access
Interoperability	Data Quality	Data Governance

Foundational Services	
Identity Management	Consent Policy & Management
Security	Provider Directories

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What?
The Unified Health Data Space (UHDS)

- The Unified Health Data Space (**UHDS**) is a collaborative initiative to streamline data services required to improve healthcare in Vermont.

- Costs/usage of technology will be shared among participants to avoid duplicative efforts and purchases.

- UHDS is an integral part of reform efforts supporting a broad spectrum of healthcare stakeholders/uses;
  - ✓ Point of Care (Providers)
  - ✓ Quality (ACO Provider Networks, Payers)
  - ✓ Policy Evaluation & Regulation (GMCB, Healthcare Reform, Blueprint)
  - ✓ Patients (Personal Health Responsibility)
  - ✓ Population Health (Health Equity, Public Health)

- UHDS will provide those with authorized access to needed information to key stakeholders in the healthcare arena including:
  - **Clinical** data
  - **Social Determinants of Health (SDoH)** data
  - **Mental Health and Substance Use Disorder** data
  - **Other** data

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UNIFIED HEALTH DATA SPACE

Legend

Current	
In Progress	
2025	
2026+	

INPUTS

Non-Clinical Data Sources

- Medicaid Operations
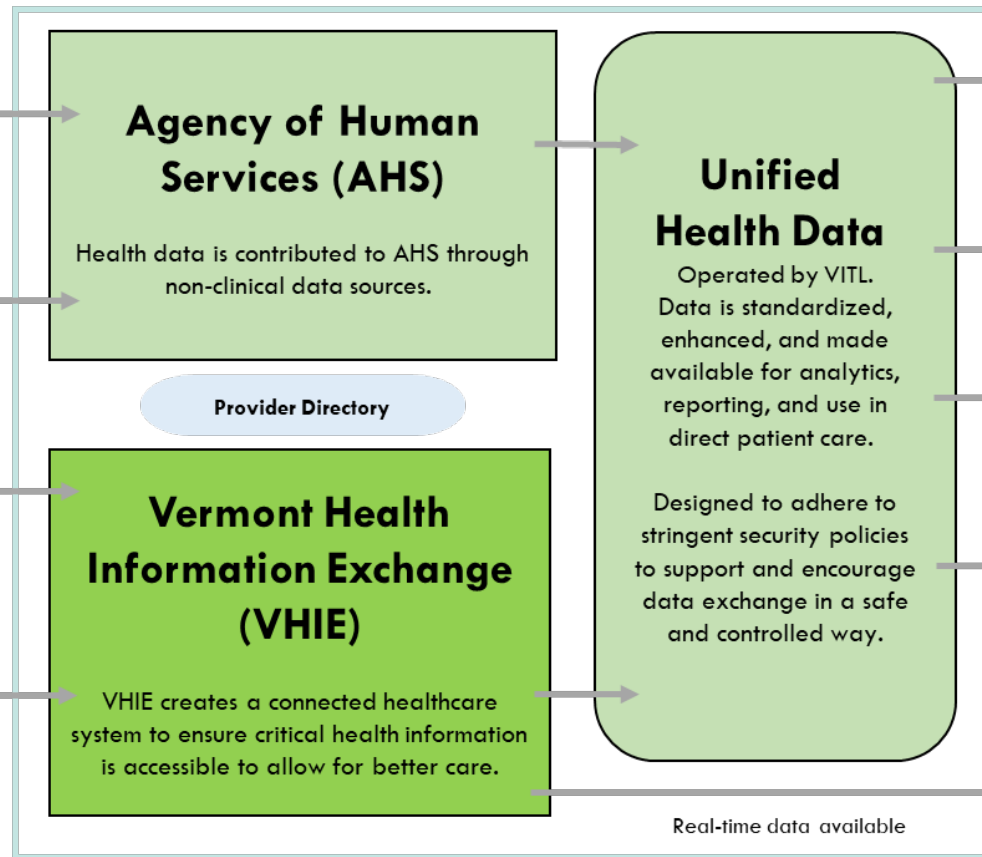- Geographic Information
- Public Health

- Healthcare Workforce
- Social Determinants of Health (SDoH)

- Patient-Generated
- Insurance Claims
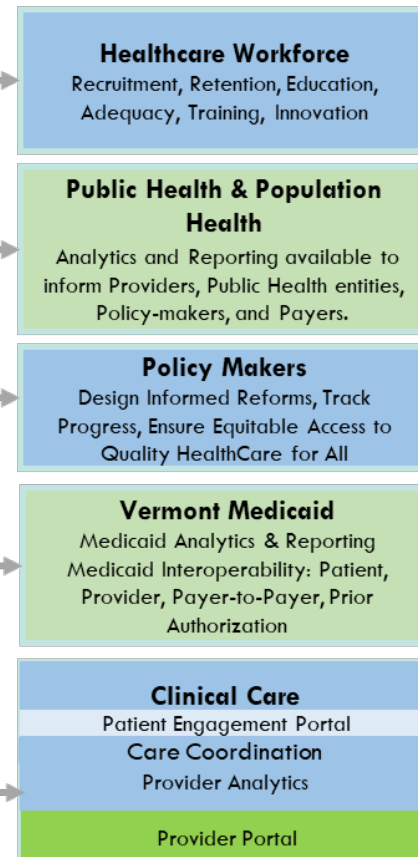- Social Determinants of Health (SDoH)

Clinical Data Sources

- Providers
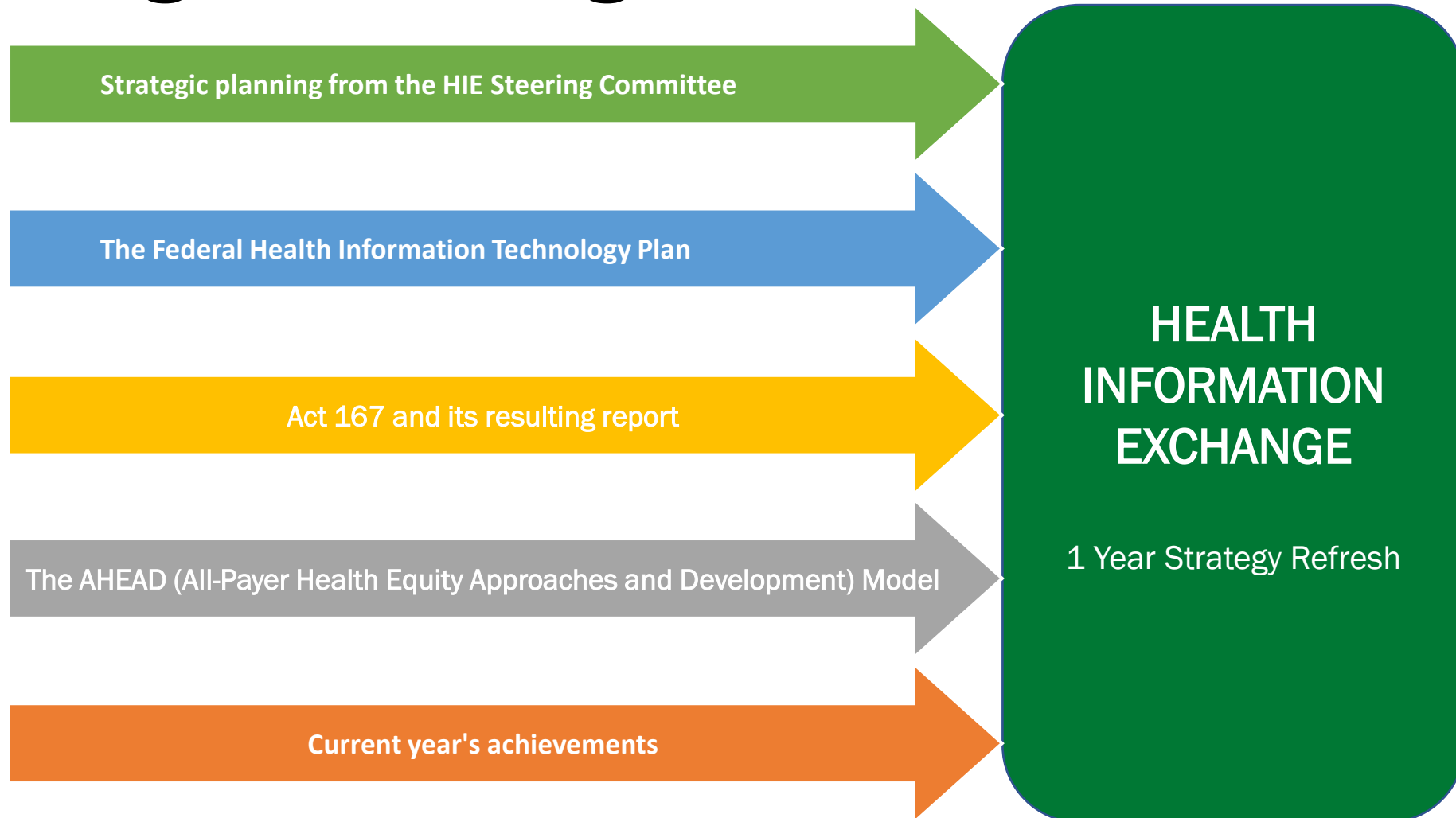- Public Health
- Mental Health

INFRASTRUCTURE

Agency of Human Services (AHS)

Health data is contributed to AHS through non-clinical data sources.

Provider Directory

Vermont Health Information Exchange (VHIE)

VHIE creates a connected healthcare system to ensure critical health information is accessible to allow for better care.

Unified Health Data

Operated by VITL. Data is standardized, enhanced, and made available for analytics, reporting, and use in direct patient care.

Designed to adhere to stringent security policies to support and encourage data exchange in a safe and controlled way.

Real-time data available

DATA ACCESS & ANALYTICS

Healthcare Workforce
Recruitment, Retention, Education, Adequacy, Training, Innovation

Public Health & Population Health
Analytics and Reporting available to inform Providers, Public Health entities, Policy-makers, and Payers.

Policy Makers
Design Informed Reforms, Track Progress, Ensure Equitable Access to Quality HealthCare for All

Vermont Medicaid
Medicaid Analytics & Reporting Medicaid Interoperability: Patient, Provider, Payer-to-Payer, Prior Authorization

Clinical Care
Patient Engagement Portal
Care Coordination
Provider Analytics
Provider Portal

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2024 Key Accomplishments

Goal	Current Status	Outlook for Dec 2024 Status	On Track
Data Governance			
SDoH Data Governance	100%	100%	Yes
Patient Education & Provider Outreach			
Ongoing focus on patient education and provider outreach by VITL.	80%	100%	Yes
Data Completeness, Quality, and Standardization			
Data Standardization	100%	100%	Yes
Medicaid Data Access and Aggregation (MDAAP) Implementation	25%	65%	Yes
Maintenance & Operations Cost Focus			
Focus on cost competitiveness for M&O costs - KPI development	15%	25%	Yes
Connectivity			
Provider connections/interfaces	88%	100%	Yes
Part 2 Data - all Designated Agencies are connected to the HIE	100%	100%	Yes
Development work to start for HIE to serve as the Medicaid Data Warehouse			
VITL to be operator of Unified Health Data Space (data warehouse)	45%	50%	Yes
Application Programming Interfaces (APIs)			
Implement FHIR APIs	25%	40%	Partial
SDOH Roadmap			
Complete engagement with NORC on the development of an SDOH Roadmap for AHS.	50%	75%	Yes
Integrate Dept of Health data into the HIE			
VDH-VHIE Integration Strategy	100%	100%	Yes
Analytics Layer			
Stakeholder and requirements gathering RFP	25%	50%	Yes
Care Coordination & Referral Management			
Scoping, Requirements Gathering, & Procurement	0%	0%	No
Provider Directory			
Scoping & Requirements Gathering, Procurement, Data Governance and Implementation	0%	5%	Partial
Explore Options - Rural/Smaller Independent Providers			
Scoping & Stakeholder Identification	15%	25%	Yes

- **Funding**
  - ✓ Continued funding sustainability using our cost allocation with CMS

- **Governance**
  - ✓ HIE Data Governance Council meetings are public
  - ✓ Social Determinants of Health – established and collaborating on a shared vision

- **Technology**
  - ✓ Expanding bi-directional exchange of immunization data
  - ✓ Expanded electronic lab reporting (ELR) connections to VDH

- **Policy / Process**
  - ✓ Provided Vermonters with electronic patient health data education
  - ✓ Continued incentive program to connect providers to health system electronically
  - ✓ Completed development of VDH-VHIE Integration Strategy
  - ✓ All DA's contributing production data to VITL

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Strategic Planning Process

Strategic planning from the HIE Steering Committee

The Federal Health Information Technology Plan

Act 167 and its resulting report

The AHEAD (All-Payer Health Equity Approaches and Development) Model

Current year's achievements

HEALTH INFORMATION EXCHANGE

1 Year Strategy Refresh

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2024 HIE Strategic Items

Goal	Foundational	Value Based MGT	Focus on Health Equity	Create 1 Health Record for Every Person	Better Health Outcomes	Improved Healthcare Operations	Use Data to Enable Investment and Policy Decisions
Ongoing support for **Data Governance**	✓		✓				
Patient education and ongoing support for Health Data Literacy. **Provider outreach** for HIE awareness	✓		✓				
Focus on **data compleness, quality, and standardization**. Connect more providers to the HIE through **provider incentive** payments.	✓	✓	✓	✓	✓	✓	✓
Enable HIE to **adopt analytics** to empower individuals, address patient's full range of health needs, and facilitate better health outcomes for individuals and communities	✓	✓	✓		✓	✓	✓
Focus on **cost** for maintenance and operations.	✓						
Capability for **care coordiantion and referral management**		✓	✓		✓	✓	
Strategic Roadmap for **Social Drivers of Health**		✓	✓				
Integration VDH Data into the HIE			✓	✓	✓		
Explore options to provide **technical assistance to rural providers/small practices.**	✓		✓	✓		✓	
Ongoing technology enhancements: Promote portability of EHI through **standards-based APIs** and enabling providers to **utilize single-sign on (SSO)**.	✓					✓	

*Each item to have action plan developed by January 2025

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HIE KPIs / Metrics

Metric	January	February	March	April	May	June	July	August	September
Direct Care/Care Coordination									
Number of VITLAccess User Accounts	2,774	2,865	2,891	2,851	2,634	2,506	2,565	2,590	2,610
Number of Organizations using VITLAccess	296	300	301	302	303	288	293	297	310
Number of Potential Organizations that could use VITLAccess	1,595	1,596	1,595	1,596	1,591	1,590	1,588	1,593	1,585
Number of Patient Queries through VITLAccess	18,843	17,671	17,840	18,673	19,366	17,900	20,759	20,053	20,181
Number of Medicaid patient records transmitted from the VHIE to the Medicaid care coordination tool	586,086	379,133	414,641	439,210	434,475	402,742	430,998	433,910	415,555
Direct Care/Care Coordination: Event Notification									
Number of event notifications (ADT) messages sent to PatientPing through VHIE connection	3,579,093	3,579,093	3,384,694	3,341,045	3,545,704	3,271,261	1,403,058	1,422,000	1,341,983
Master Patient Index: Percent Medicaid Match Rate	98.10%	98.08%	99.62%	99.59%	99.65%	99.61%	99.57%	99.65%	99.60%
Direct Care/Care Coordination: Electronic Results									
Number of LAB messages captured in the VHIE	585,806	553,714	561,648	561,785	590,454	558,641	582,702	581,652	562,515
Number of RAD messages captured in the VHIE	87,307	83,784	83,603	84,771	93,106	84,933	89,219	89,294	84,422
Number of TRANS messages captured in the VHIE	403,124	384,221	383,992	397,901	417,117	392,926	421,318	419,255	412,919
Public Health									
The percent of total immunization messages (VXU) received by the Immunization Registry from the VHIE	88%	88%	87%	87%	87%	88%	88%	88%	93%
The percent of total death records transmitted from Death Registry to VHIE	100%	100%	100%	100%	100%	100%	100%	100%	100%
LAB messages captured in the VHIE and transmitted to the Public Health Authority	3433	4799	1046	738	1575	3328	662	2622	1737
Value Based Care									
Blueprint for Health Clinical Extract Report from the VHIE	Provided the report to Blueprint on 03/31/2023	Provided the report to Blueprint on 03/31/2023	Provided the report to Blueprint on 4/1/2024	Provided the report to Blueprint on 4/1/2024	Provided the report to Blueprint on 4/1/2024	Provided the report to Blueprint on 4/1/2024	Provided the report to Blueprint on 4/1/2024	Provided the report to Blueprint on 4/1/2024	Provided second report to Blueprint on 9/5/24

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