

# HIE Steering Committee

June 12, 2019



# Agenda

Topic	Schedule
Welcome	10:30 – 10:35
Lantana/Velatura: Debrief Phase I of Stakeholder Engagement & Review Technical Roadmap Outline	10:35 – 11:35
Consent Implementation Process (S.31)	11:40 – 12:00
Data Governance Discussion (Continued)	12:00 – 12:25
Wrap Up	12:25 – 12:30

# State of Vermont, HIE Steering Committee HIE Technical Roadmap Project

## Stakeholder Engagement, Guiding Principles, and Roadmap Outline

Lantana Consulting Group  
June 12, 2019 HIE SC Meeting, Waterbury

## Agenda

- Introductions
- High-Level Timeline
- Phase 1 Stakeholder Engagement Summary
- Roadmap Outline Updates
- Guiding Principles Updates
- Wrap-Up

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# High-Level Timeline Tied to Steering Committee Meetings

## Timeline

Dates	Lantana Milestones/Topics (SC Meetings in bold)
4/3-5/1	<ul style="list-style-type: none"><li>• Project Launch; project plan developed, approved</li><li>• Draft stakeholder engagement plan, review with HIE PD</li></ul>
5/1-5/3	<b>Present to SC: Introduction of the Project and Draft Stakeholder Engagement Plan; Feedback focus on Phase 1 Final window for Stakeholder Phase 1 SC Feedback</b>
5/1-5/15	<ul style="list-style-type: none"><li>• Initiate contact with stakeholders; focus on “key” stakeholders and appointments for Phase 1 in-person engagement</li><li>• Review background materials</li><li>• Draft Guiding Principles, Goals, Roadmap Outline</li></ul>
5/15	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• <b>Final Phase 1 Stakeholder Engagement Plan</b></li><li>• <b>First Draft Roadmap Outline</b></li><li>• <b>First Draft Guiding Principles and Goals for 2020</b></li></ul>
5/14-5/16	Conduct Phase 1 in-person stakeholder meetings
5/15-6/11	<ul style="list-style-type: none"><li>• Incorporate feedback into Guiding Principles, Goals, and Roadmap Outline and review with HIE PD</li><li>• Conduct Phase 1 virtual stakeholder meetings</li><li>• Analyze Phase 1 stakeholder findings and summarize results</li></ul>

# High-Level Timeline Tied to Steering Committee Meetings

## Timeline

Dates	Lantana Milestones/Topics (SC Meetings in bold)
6/12	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• Revised Roadmap Outline</li><li>• Revised Guiding Principles and Goals for 2020</li><li>• Summary Stakeholder Findings</li></ul>
6/12-7/9	<ul style="list-style-type: none"><li>• Finalize Phase 2 Stakeholder Engagement Plan and review with HIE PD</li><li>• Develop beta draft of Roadmap</li><li>• Attend HIE SC Meeting</li></ul>
7/10	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• Initial Roadmap Draft</li><li>• Revised Stakeholder Engagement Plan – Phase 2</li></ul>
7/11-8/6	<ul style="list-style-type: none"><li>• Schedule Phase 2 in-person stakeholder meetings</li><li>• Conduct Phase 2 virtual stakeholder meetings</li><li>• Summarize Phase 2 stakeholder engagement findings</li><li>• Update Roadmap based on feedback</li><li>• Attend HIE SC Meeting</li></ul>
7/30-8/1	Conduct Phase 2 in-person stakeholder meetings
8/7	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• Iterative Roadmap Updates</li><li>• Summary of findings from Phase 2 stakeholder engagement</li></ul>
8/7-8/21	Develop expanded Roadmap draft and review with HIE PD

# High-Level Timeline Tied to Steering Committee Meetings

## Timeline

Dates	Lantana Milestones/Topics (SC Meetings in bold)
<b>8/21</b>	<b>Present to SC: Expanded Roadmap Draft</b>
8/21-9/4	<ul style="list-style-type: none"><li>• Update Roadmap and prepare draft for external review</li><li>• Review Roadmap with HIE PD</li></ul>
<b>9/4</b>	<b>Present to SC: Roadmap Draft for External Review</b>
9/4-9/18	Incorporate feedback into Roadmap and review with HIE PD
<b>9/18</b>	<b>Present to SC: Roadmap Revisions</b>
9/18-10/1	Integrate Roadmap into HIE Plan, finalize revisions, review with HIE PD
<b>10/2</b>	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• <b>Integration of HIE Plan</b></li><li>• <b>Final Roadmap Revisions</b></li></ul>
10/2-10/16	Iterative Roadmap updates, as needed
<b>10/16</b>	<b>Present to SC: Roadmap Updates, if applicable</b>



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# Phase 1 Stakeholder Engagement Summary

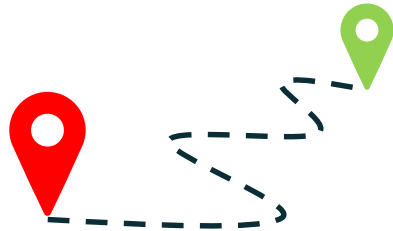
# Goals for Stakeholder Engagement



**1. Confirm Current State of Health IT Infrastructure (Background)**



**2. Identify Requirements for desired Future State**



**3. Develop Roadmap (objectives, action plan) based on Findings**



**4. Drive Consensus on Roadmap Objectives and Actions**

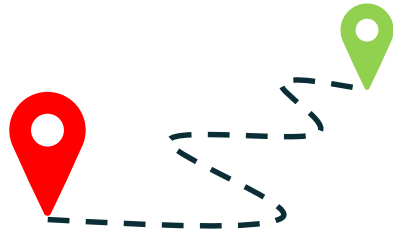
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## Phase 1 Stakeholder Engagement

Stakeholders Engaged	Scope of Discussion
OneCare Vermont (x2)	Technical; <i>Strategic discussion pending (6/14)</i>
Blueprint for Health	Strategic & Technical
VAHHS	Strategic; <i>CTO discussion pending</i>
Vermont Care Partners	Strategic & Technical
Bi State Primary Care	Strategic & Technical
VITL (x2)	Strategic & Technical
BCBS VT	Strategic & Technical
VDH	Strategic & Technical; <i>Follow up pending</i>
ADS	Strategic & Technical
Planned Parenthood NNE	Strategic & Technical
VDH PDMP program	Strategic & Technical
Patient Advocates	<i>Pending</i>
Providers: UVM, NVRH (CAH), FQHC <i>Pending</i>	<i>Pending</i>
Home Health, Long Term Care	<i>Pending</i>

## Common Challenges Shared by Stakeholders

- Duplication of infrastructure and effort across programs and repositories:
  - Patient identity management and de-duplication
  - Terminology mapping and management
  - Clinical system interface development and maintenance
- Data quantity: low number of data sources and sites reporting, slow uptake speed
- Data quality: issues with data gaps (e.g., vitals), format, structure, and terminology
- Lack of data set diversity: legal, financial, social determinants of health, others
- Legal impediments to data sharing:
  - Lack of granular consent, policies to exchange Substance Use, Mental Health & Sensitive Data
  - Gaps in data and inability to share lead to partial patient records
- Duplication of data and development of data silos
- Disparate technical infrastructure: rural providers, FQHCs, CAHs vs. larger facilities
- Increased data audits for data reporting and prescription drug programs

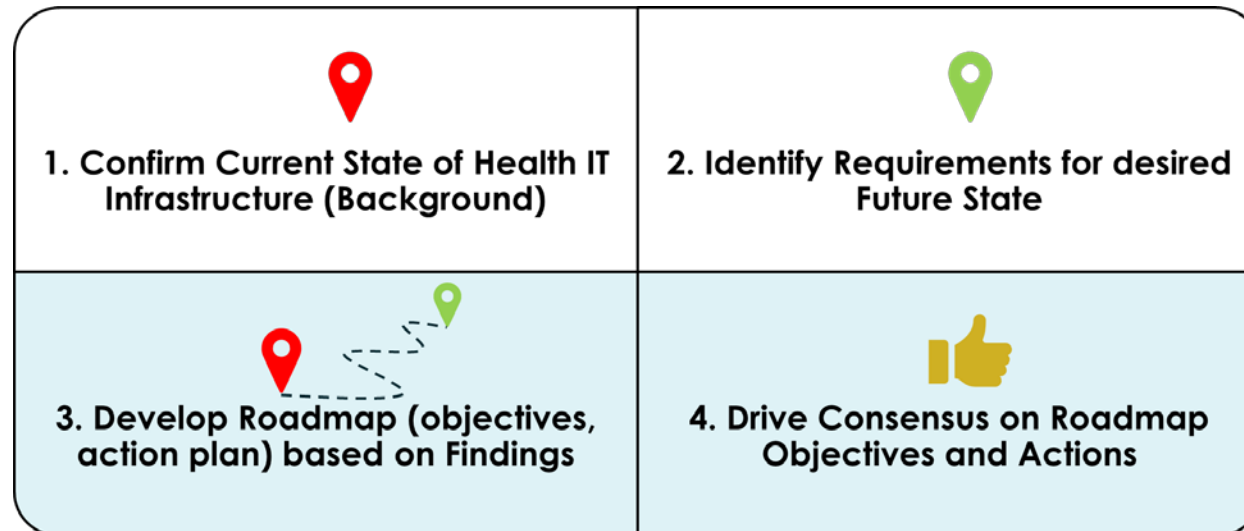
**Other challenges missing?**

# Stakeholder Requirements

Shared Stakeholder Requirements for HIE Landscape	Supports HIE Goal:
Streamline and clarify roles and responsibilities of stakeholders in the state*	1, 2, 3
Shared services model for foundational services like streamlining data flow, identity management, terminology	1, 2, 3
Basic and Granular consent model to exchange protected and sensitive data	1, 2
Reduce burden by centralizing interface development and maintenance	2
Auditability for measurement, reporting, and prescription drug program purposes	2, 3
Develop a cross-cutting, state-wide data governance strategy	2
Develop a coordinated state-wide strategy for data quality initiatives	2, 3
Enhance electronic collection, measurement, and submission of data	2, 3
Requirements for VHIE: A central hub for data collection and basic standardization A central data source for multiple VT program analytics	1, 2, 3

## Next Steps: Analysis, Roadmap Development, Phase 2

- Start iterative roadmap development:
  - Map individual stakeholder goals to larger HIE goals
  - Define goals for long-term vision of Health IT across the state
  - Develop set of recommendations/objectives to address challenges, requirements, goals
  - Develop initial timeline of activities and objectives for technical roadmap
- Develop plan for Phase 2 Stakeholder Engagement to develop consensus
- Revise plan based on stakeholder feedback and findings from Phase 2



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## Roadmap Outline



- Background
- Overview
- Health IT Vision for Vermont
- Supporting Use Cases
- Roadmap for Vermont
- Detailed Action Plan
- Progress and Auditing
- Known Gaps
- Appendices

## Background/Environment

- State of Health IT in Vermont
  - Initiatives summary
  - Stakeholders
- Federal and State Regulatory Landscape
  - Relevant programs and legislation
  - Current and anticipated
- Trends in Health Information Management
  - Technical innovation reshaping information exchange
  - Business, regulatory factors influencing architecture and adoption

## Overview of HIE/HIT Planning in Vermont

- HIT Roadmap development
- Guiding Principles
- Process and timeline

## Health IT Vision for Vermont

- Describe the expected Future State
- Reasons this is the vision for Health IT in Vermont; the value proposition

## Supporting Use Cases

- Reasons for choices
- Value of these use cases
- Description

## Roadmap for Vermont:

- Planned Objectives for 3-5 Years
- Action Plan Summary
  - Near Term (years 1, 2)
  - Long Term (years 3, 4, 5)
- Timeline for Implementation
- Anticipated Risks, Challenges and Proposed Mitigation

## Action Plan by Domain:

- Technology
  - Governance
  - Sustainability
- Data
  - Governance
  - Access
  - Quality & Quantity
  - Diversity and Types of Sources
  - Analytics
- Privacy
- Security
- Innovation
- Regulatory

## Progress and Auditing

- Methodology for Measuring Progress
- Methods for Updating the Roadmap

## Known Gaps

- Out of scope; To be addressed when/if environment changes

## Appendices

- Documentation Review
- List of State Initiatives
- Results of Stakeholder Engagement and Interviews
- Communication Plan
- Detailed Timeline
- Methodologies
- Acronyms/Definitions

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## Guiding Principles

## **Guidelines for technical, operational, and design decisions:**

- “Guard rails” to ensure future decisions support the initial vision
- Consistent framework to adjust established decisions and plans

## **Initial list of categories:**

- HIE SC Goals
- Operational
- Technical

## **Create One Health Record for Every Person**

Ensure access to complete and accurate health records to support optimal care delivery and coordination.

## **Improve Healthcare Operations**

Enrich healthcare operations through data collection and analysis to support quality improvement and reporting.

## **Use Data to Support Investment and Policy Decisions**

Bolster the health system to learn and improve based on accurate, comprehensive data; guide investment of time, labor, and capital; and inform policies and program development.



## Examples of Operational Principles

- The roadmap action plan should be reviewed every 6 months and updated, if necessary, with changes/additions to existing or future action plans.
- The roadmap objectives span 3-5 years; the action plan to achieve those objectives covers 1-2 years at a time.
- The roadmap must highlight the value proposition for every objective.
- Value to the consumer (e.g., patients, providers) is the primary value proposition for Health IT planning in Vermont.
- Establish a culture of trust and cooperation among all stakeholders and accountable parties in the state.
- Identify where market innovation can and should support the Roadmap.
- Identify where federal regulation can be relied upon or not and where state policy must fill the gaps.
- Business objectives and plans for initiatives must focus on sustainability.
- Streamline roles and activities of initiatives and programs within the State.

## Examples of Technical Principles

- Vermont's HIE Technical Architecture consists of Foundational Services, Exchange Services, and End-User Services.
- The Foundational and Exchange Services are the primary areas of public investment; they support end-user services that provide lasting value to consumers.
- Employ an agile, test-driven approach to all implementations.
- Start with the simple systems first. All complex systems represent a collection of simple systems.
- Start and mature pilot projects to production deployment.
- Information will outlive the application in which it is created. Base interoperability and acquisition decisions on that understanding.
- Evaluate technology from the aspect of lock-in and ease of migration.
- Base data reuse decisions on increasing predictability and reliability of information.

## Wrap Up

- Analyze Phase 1 and plan Phase 2 Stakeholder Engagement.
- Finalize outline and guiding principles.
- Initiate Roadmap development.

## Items for Review at the July 10th Steering Committee Meeting

- Review Initial Roadmap draft.
- Review Phase 2 Stakeholder Engagement Plan.

# Consent Policy Implementation

## Discussion Overview

- S31 Overview
- Steering Committee Role
- Consent Implementation Plan – Milestones
- Project workstreams
- Timeline
- Discussion / Questions

# S31 Overview

- S31 does not change existing protections for sharing patient health information
  - HIPAA is still the law
  - 42 CFR Part 2 is still the law
  - State laws can be more strict than federal laws but state laws cannot loosen federal requirements
- S31 changes the manner in which a person controls access to their personal health information through the VHIE
  - Information shared through the VHIE is more readily available when and where it is needed by providers who have a legitimate need to see it
  - If not shared through the VHIE the information will be shared another way (fax; Fedex; USPS; etc.) with those same providers who need to see it
  - Current access control is opt-in: person submits a form authorizing use of the VHIE for legitimate provider access
  - S31 introduces opt-out: assumes the benefits of electronic access through the VHIE but person can prevent this through a mechanism to be determined

# The Steering Committee's Role in Consent Policy Implementation

- DVHA in consultation with the HIE Steering Committee is responsible for the overall coordination of Vermont's statewide Health Information Technology Plan, to be submitted to GMCB by November 1, 2019
- The Plan shall provide for each patient's electronic health information that is contained in the Vermont Health Information Exchange to be accessible...to the extent permitted under federal law unless the patient has affirmatively elected not to have the patient's electronic health information shared in that manner
- DVHA in consultation with its HIE Steering Committee shall administer a robust stakeholder process to develop an implementation strategy for the consent policy for the sharing of patient health information through the VHIE

# Draft: Consent Implementation Plan Milestones

Date	Milestone
7/1/2019	Stakeholders identified; stakeholder process developed; stakeholder engagement series initiated
8/1/2019	DVHA updates House and Senate committees, HROC, and GMCB
8/30/2019	Stakeholder recommendations to HIE Steering Committee
8/1/2019 – 1/15/2020	Parallel project: VITL develops initial mechanisms for opt out
9/15/2019 – 11/18/2019	Develop Evaluation Plan and Methodology
10/1/2019	Implement multisector communications strategy
11/1/2019	DVHA updates House and Senate committees, HROC, and GMCB; HIE Plan submitted
11/18/2019	Implement Evaluation Plan
12/20/2019	Interim Evaluation Report
1/15/2020	DVHA final report presented to House and Senate committees, and to GMCB
2/1/2020	Opt Out mechanisms are available
3/1/2020	Opt Out consent policy implemented
3/16/2020	Final Evaluation Report

# Consent Policy Implementation Workstreams

- **Main Workstream** – overall implementation plan project management
- **Stakeholder Engagement Workstream** – to inform content, issues, materials, design and communications plans
  - Significant work over the summer to get stakeholder input and use findings to develop the rollout plan and supporting materials/messages
- **Opt Out Mechanisms Workstream** – to provide operational support for the Opt Out consent policy
  - VITL work, primarily, with team. Consider early identification of a default mechanism to insure something is in place when needed.
- **Evaluation Plan Workstream** – identify a methodology for evaluating the extent to which the public outreach has been successful

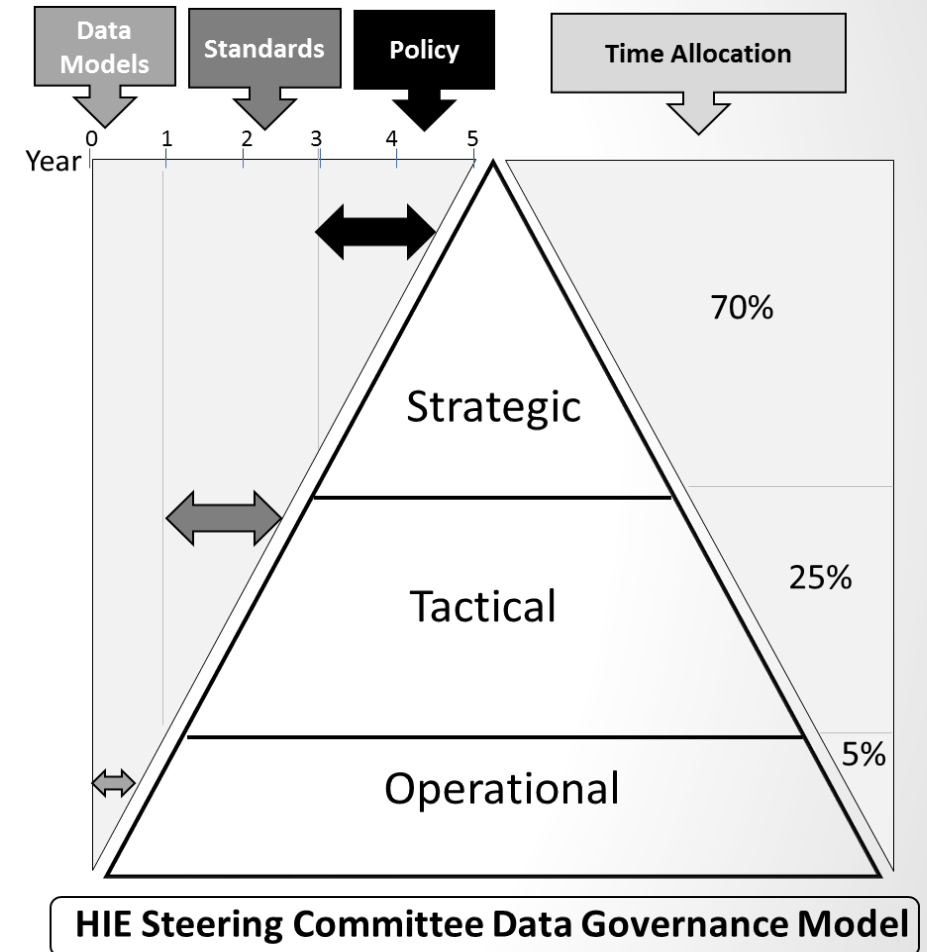


## Summary

- The Opt-Out consent policy passed
- The HIE Steering Committee has a defined role, as part of the Steering Committee role in HIE planning
- Milestones are, in part, determined by S31 requirements for status updates and implementation start date
- Critical workstreams include stakeholder engagement, development of mechanisms to support Opt-Out, and an evaluation
- Next steps: consistent engagement with *you* at the Steering Committee meetings

# Data Governance

- Focus on the 2020 HIE Plan as it relates to data governance –
  - I. Build on the 2019 HIE Plan reference to data governance as a tool to enhance data quality
  - II. Reinforce the value of data governance and the reasons why the Steering Committee is considering the concept
  - III. Describe the Steering Committee's discussion of the topic
  - IV. Propose a general data governance model
  - V. Identify data governance activities for 2020 (*To be developed as a result of the IT Roadmap creation process*)



## *How do we execute data governance activities?*

- Ad hoc committee?
- Third-party vendor developing meeting pre-identified needs for standards, policies, business agreements, etc.?
- Permanent HIE Steering Comm. data governance committee?

# Wrap Up

- Review of Upcoming Agenda Items
- Upcoming Meeting Dates:
  - June 26
  - July 10 & July 24
  - August 7 & August 21