

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

## **Stakeholder Engagement, Guiding Principles and Roadmap Outline**

Lantana Consulting Group  
May 15, 2019 HIE SC Meeting, Waterbury

## Agenda

- Introductions
- Background
- High-Level Timeline
- Stakeholder Engagement Plan Update
- Roadmap Outline, First Draft
- Guiding Principles, First Draft
- Wrap Up

## **Liora Alschuler, Project Executive & HIE Strategist**

- Email: [liora.alschuler@lantanagroup.com](mailto:liora.alschuler@lantanagroup.com)

## **KP Sethi, Project Lead & Technical Lead: Information Architecture**

- Email: [kp.sethi@lantanagroup.com](mailto:kp.sethi@lantanagroup.com)

## **Dave deRoode, HIE Technical Analyst**

- Email: [david.deroode@lantanagroup.com](mailto:david.deroode@lantanagroup.com)

## **Rick Wilkening, HIE Landscape & Policy Subject Matter Expert**

- Email: [rick.wilkening@velatura.org](mailto:rick.wilkening@velatura.org)

## Lantana

- 14-year-old Woman-owned Small Business
- ~50 employees with 25 analysts, including 7 clinical, 8 public health, 8 program/policy
- Developed and implemented 70+ national standards for interoperability and data access/analysis under ONC and CMS and worked with state agencies, vendors and providers on their implementations
- Worked with 8 states and many federal programs supporting hospital, professional, long term care settings for interoperability, quality, and public health reporting
- Developed Trifolia Workbench and Trifolia-on FHIR:
  - Open source tools for creating HL7's CDA, Consolidated (C-CDA) and Fast Healthcare Interoperability Resources (FHIR) Implementation Guides
  - Over 1,500 users

### Velatura

- Nationally recognized team of HIT and HIE experts
- Created in 2016 as subsidiary of Michigan Health Information Network Shared Services (MiHIN)
- Leader in development, testing and implementation of innovative statewide HIE solutions
- MiHIN's "network of networks" exchanges over 2 million protected health information messages per day connecting greater than 41,000 organizations
- Velatura leverages MiHIN's broad policy and technical expertise to provide services outside of Michigan

# High-Level Timeline Tied to Steering Committee Meetings

## Timeline

### Lantana Milestones/Topics (SC Meetings in **bold**)

4/3-5/1

- Project Launch; project plan developed, approved
- Draft stakeholder engagement plan, review with HIE PD

5/1  
5/1-5/3

**Present to SC: Introduction of the Project and Draft Stakeholder Engagement Plan; Feedback focus on Phase 1**  
**Final window for Stakeholder Phase I SC Feedback**

5/1-5/15

- Initiate contact with stakeholders, focus on “key” stakeholders, appointments for Phase 1 face to face engagement
- Review background materials
- Drafting Guiding Principles, Goals, initial Roadmap Outline

**5/15**

**Present to SC:**

- **Final Phase 1 Stakeholder Engagement Plan**
- **First Draft Roadmap Outline**
- **First Draft Guiding Principles and Goals for 2020**

5/14-5/16

Conduct Phase 1 face-to-face stakeholder meetings

5/15-6/11

- Incorporate feedback into Guiding Principles, Goals, initial Roadmap Outline, review with HIE PD
- Conduct Phase 1 virtual stakeholder meetings
- Analyze Phase 1 stakeholder findings and summarize results

# High-Level Timeline Tied to Steering Committee Meetings, continued

## Timeline

### Lantana Milestones/Topics (SC Meetings in **bold**)

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

# High-Level Timeline Tied to Steering Committee Meetings, continued

## Timeline

### Lantana Milestones/Topics (SC Meetings in **bold**)

<b>8/21</b>	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• <b>Expanded Roadmap Draft</b></li></ul>
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:</b> <ul style="list-style-type: none"><li>• <b>Roadmap Draft for External Review</b></li></ul>
9/4-9/18	Incorporate feedback into Roadmap, review with HIE PD
<b>9/18</b>	<b>Present to SC:</b> <ul style="list-style-type: none"><li>• <b>Roadmap Revisions</b></li></ul>
9/18-10/1	Integrate Roadmap into HIE Plan, make final 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:</b> <ul style="list-style-type: none"><li>• <b>Roadmap Updates, if applicable</b></li></ul>



# Updates Made to Stakeholder Engagement Plan

## **Added Stakeholders as suggested by HIE SC membership**

- Received stakeholder suggestions via email; thank you!
- Follow up questions emailed to individual members

## **Created Prioritized List of Stakeholders for Face to Face Meetings**

- Scheduled Meetings for May 14, 15, 16; more to be scheduled
  - Additional Phase 1 meetings may be face to face or phone, as appropriate
- Reviewing background materials before each meeting

## Prioritized List of Stakeholders

Stakeholder	Meeting Time	Attendees
<b>OneCare Vermont</b>	Tuesday 5/14	Katelyn Muir Norm Ward Pennilee Shortsleeve
<b>Vermont Association of Hospitals and Health Systems</b>	Wednesday 5/15	Emma Harrigan Ryan Sexton
<b>The Blueprint for Health Program</b>	Wednesday 5/15	Beth Tanzman Tim Tremblay
<b>Bi-State Primary Care Association</b>	Thursday 5/16	Georgia Maheras Heather Skeels
<b>Vermont Information Technology Leaders</b>	Thursday 5/16	Michael Smith Andrea de la Bruere Carolyn Stone Frank Harris Chris Schenk
<b>Vermont Care Network/ Vermont Care Partners</b>	Thursday 5/16	Simone Rueschemeyer Ken Gingras
<b>Agency of Digital Services at State of VT</b>	To be Scheduled	
<b>Blue Cross Blue Shield of Vermont</b>	To be Scheduled	
<b>Vermont Department of Health</b>	To be Scheduled	

---

## Roadmap Outline

## First Draft Outline of HIT Roadmap

- Final Outline in June
- Will be integrated into the HIE Plan
  - Some sections stand-alone within HIE Plan
  - Some content integrated into other sections of the HIE Plan

## Written for non-technical audience

- Tech info in appendices
- Non-final drafts may contain technical information to be pulled out later

- **Background**
- **Overview**
- **Health IT Vision for Vermont**
- **Roadmap for Vermont**
- **Action Plan**
- **Progress and Auditing**
- **Appendices**

## Background/Environment

- Current State of Health IT in Vermont
  - Current initiatives summary
  - Stakeholders/People
- Current Federal and State Regulatory Landscape
  - Relevant programs/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

- How the HIT Roadmap was developed
- Guiding Principles
- Briefly explain the process and timeline of activities

## Health IT Vision for Vermont

- Timeframe; 3-5 years
- Describe the expected Future State
- Planned Objectives for 3-5 Years

## Roadmap for Vermont:

- Action Plan Summary
  - Near Term (year 1, 2)
  - Long Term (year 3, 4, 5)
- Detailed Timeline for Implementation
- Anticipated Risks, Challenges; Proposed Mitigation

## Action Plan by Domain:

- Technology
- Data
- Privacy
- Security
- Financial
- Governance
- Innovation
- Regulatory

***Is there a different way to organize?***

***Are there other domains that we should add?***



## Progress and Auditing

- Methodology for Measuring Progress
- Methods for Updating the Roadmap

## Appendices

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

---

## **Guiding Principles**

## **Guidelines for technical, operational and design level decision making**

- “Guard rails” to ensure future decisions are support the initial vision
- Decisions/plans can be safely altered using a consistent framework

## **Categorized into 3 (or more) categories**

### **Initial list of categories:**

- HIE SC Goals
- Operational
- Technical

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

Support optimal care delivery and coordination by ensuring access to complete and accurate health records.

### **Improve Health Care Operations**

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

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

Bolster the health system's ability to learn and improve by using accurate, comprehensive data to guide investment of time, labor and capital, and inform policy making and program development.

## Examples of Operational Principles

- The roadmap action plan should be reviewed every 6 months and updated, if necessary, with any changes/additions to existing or future action plans
- The roadmap objectives span 3-5 years; the action plan to achieve those objectives is designed 1-2 years at a time.
- Understand that the needs of the patient/consumer is at the center of the "why" for HIT planning. Their needs should be prioritized along with the privacy/security/ownership of their own data.
- 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 focus to fill the gaps.
- Business objectives and plans for initiatives must focus on sustainability.

## Examples of Technical Principles

- Employ an agile, test-driven approach to all implementations
- All complex systems are based on a collection of simple systems that work. Start with the simple systems first
- Start and mature pilot projects to production deployment
- Information will outlive the application upon which it is created. Base interoperability and acquisition decisions on that understanding
- Evaluate technology from the aspect of lock-in and how easy it is to migrate strategies/platforms if needed
- For data reuse, base decisions made should increase the predictability and reliability of healthcare information
- Streamline roles and activities of initiatives and programs within the State

## Next Steps

- Finish Phase 1 face-to-face stakeholder meetings
- Conduct Phase 1 virtual stakeholder meetings
- Analyze Phase 1 stakeholder findings and summarize results
- Incorporate feedback into Guiding Principles and Roadmap Outline

## Items for Review at Next Steering Committee Meeting

- Revised Guiding Principles
- Revised Roadmap Outline
- Summary of Phase 1 Stakeholder Findings