

Tier 1 – Baseline Connectivity Criteria

Tier	Customers	Stakeholders	Customer Responsibilities	Stakeholder Responsibilities	VHIE Responsibilities	Objective and Characteristics	Value in Connecting to the VHIE	Data Criteria	Security	Outcome
1 – Baseline Connectivity	<p>Health care organizations (HCO) contributing patient data for use at the point of care.</p> <p>HCOs contributing data as required by health reform delivery and payment programs (ACO, Blueprint for Health, MU, Vermont Dept of Health, other programs)</p>	ACO, Blueprint for Health, Vermont Dept for Health, VCCI, etc.	Engage with VITL to meet the Baseline Connectivity Criteria; establish connectivity to the VHIE; build interfaces from the Health care organization’s EHR to the VHIE	<p>Identify priority HCOs and their locations needing to contribute data</p> <p>Communicate to the prioritized HCOs the program’s need and use for data.</p>	<p>Establish and publish technical requirements that support secure, standard connections.</p> <p>Assess baseline data compliance for patient matching and message structure to share data using the <u>Baseline Connectivity Criteria scoring worksheet</u></p> <p>Work with customer to establish connectivity and build interfaces from the HCO to the VHIE and from the VHIE to the Stakeholder’s system(s).</p>	<p>Interfaces are established that meet HL7 industry standards outlined in the VHIE Baseline Connectivity Criteria document.</p> <p>Interfaces to the VHIE are sufficient to support patient identity matching</p> <p>Interfaces to the VHIE are sufficient for transmitting data to Stakeholder(s)</p> <p>Access to patient data is supported by HIPAA or Vermont law, including patient consent</p>	<p>Clinician access to patient information integrated within the provider’s EHR or using the VHIE Provider Portal (VITLAccess)</p> <p>Electronic results delivery from the VHIE (e.g., hospital or third-party laboratory results) seamlessly integrated within a provider’s EHR.</p> <p>Data electronically delivered to and accessible within Vermont Immunization Registry</p> <p>Data facilitates timely and accurate Event notification systems (Care Navigator, PatientPing)</p>	Meet the VHIE Baseline Connectivity Criteria which identifies requirements for patient matching and system specifications for sufficient, secure data exchange.	<p>Complete VHIE Services Agreement to meet legal business, operational and security requirements.</p> <p>Attest to HIPAA Compliance.</p>	<p>Clinicians can access patient data across healthcare settings.</p> <p>Records are matched to the correct patients and duplicate patients are avoided.</p> <p>Data is used to analyze population health</p>

Tier 2 – Common Clinical Data Set and Data Quality Connectivity Criteria

Tier	Customers	Stakeholders	Customer Responsibilities	Stakeholder Responsibilities	VHIE Responsibilities	Objective and Characteristics	Value in Connecting to the VHIE	Data Criteria	Security	Outcome
2 – Common Clinical Data Set and Data Quality Standards	Participating HCOs in ACO, VCCI, Blueprint for Health, Bi-State, other programs	<p>Population Health Management and Quality care programs (Accountable Care Organization (ACOs); Blueprint for Health; Vermont Department of Health; other)</p> <p>Care management programs being supported (VCCI, OneCare, others).</p> <p>Policy makers, clinicians and HCO administrators reliant on data reports from the Accountable Care Organization (ACOs); Blueprint for Health; Vermont Department of Health; other.</p>	<p>Capture data in discrete data fields in EHR.</p> <p>Hold EHR vendors accountable for sharing data for program(s) in which the HCO participates</p> <p>Complete the Data Set and Data Quality Standards Worksheet containing the common data set requirements for the program(s) in which the HCO participates</p>	<p>Establish common clinical data set.</p> <p>Identify HCOs needing assistance in meeting Clinical Quality measures for their program.</p> <p>Partner with VITL and the HCO in data quality engagements or Blueprint Sprints to improve data quality during and/or post-interface implementation.</p>	<p>Assess the ability of HCOs to document minimum data sets and their EHR’s capability to send that data using the Data Set and Data Quality Standards Worksheet.</p> <p>Facilitate the effort with HCOs to improve data quality at the documentation level or the EHR technical level to meet stakeholder’s and customer’s minimum data requirements.</p> <p>Identify data delivery and standardization opportunities</p> <p>Resolve data delivery and standardization opportunities</p>	<p>Minimum clinical data sets are complete, accurate.</p> <p>Clinical data is standardized and therefore interoperable</p> <p>Expanded applications such as care management and clinical data use can be supported to meet customer specified usage.</p> <p>Performance measurement and population health management applications are enabled.</p>	<p>Same as Tier 1 with the addition of:</p> <p>Supports Care management tools (Vermont Chronic Care Initiative, etc.) by those engaged in the care continuum</p> <p>Reduces manual effort by enabling chart abstraction tools for quality measure and population health reporting (Bi-State FQHC, Blueprint for Health, etc.)</p> <p>Robust data analysis and reporting to measure performance (Blueprint for Health practice profiles, ACO OneClick, etc.)</p>	<p>Participates in and complies with programs that have specific data quality requirements.</p> <p>Meet the common clinical data set requirements in the Clinical Data Set and Data Quality Standards Worksheet</p>	Same as Stage 1	Increased data quality enables usage and confidence in information for quality performance measurement and population management reporting.

Tier 3 – Expanded Clinical Data Set and Data Quality Connectivity Criteria

Tier	Customers	Stakeholders	Customer Responsibilities	Stakeholder Responsibilities	VHIE Responsibilities	Objective and Characteristics	Value in Connecting to the VHIE	Data Criteria	Security	Outcome
3 – Clinical Data Set and Data Quality	Participating HCOs in ACO, VCCI, Blueprint for Health, Bi-State, other programs	<p>Population Health Management and Quality care programs (Accountable Care Organization (ACOs); Blueprint for Health; Vermont Department of Health; other)</p> <p>Care management programs being supported (VCCI, OneCare, others).</p> <p>Policy makers, clinicians and HCO administrators reliant on data reports from the Accountable Care Organization (ACOs); Blueprint for Health; Vermont Department of Health; other.</p>	<p>Capture data in discrete data fields in EHR.</p> <p>Hold EHR vendors accountable for sharing data for program(s) in which the HCO participates</p> <p>Complete the Data Set and Data Quality Standards Worksheet containing the expanded data set requirements for the program(s) in which the HCO participates</p>	<p>Establish expanded clinical data set</p> <p>Identify standardization issues to achieve interoperability</p> <p>Identify HCOs needing assistance in meeting Clinical Quality measures for their program</p> <p>Partner with VITL and the HCO in data quality engagements or Blueprint Sprints to continuously improve data quality</p>	<p>Assess the ability of HCOs to document full data sets and their EHR’s capability to send that data using the Data Set and Data Quality Standards Worksheet.</p> <p>Facilitate the effort with HCOs to improve data quality at the documentation level or the EHR technical level to meet stakeholder’s and customer’s data requirements.</p> <p>Identify data delivery and standardization opportunities</p> <p>Resolve data delivery and standardization opportunities</p>	<p>Clinical data sets are complete, accurate, standardized, and interoperable</p> <p>Performance measurement and population health management applications are optimized.</p>	<p>Same as Tiers 1 and 2 with the addition of:</p> <p>Data can be used for advanced end user tools and services (Care Management tools, custom data marts for customer use</p> <p>Advanced reporting driven by clinical data (Comparative data sets, etc.)</p>	<p>Meet the clinical data set requirements in the Clinical Data Set and Data Quality Standards Worksheet</p> <p>Scope of data collected supports performance measures and interoperability supports population health management.</p>	<p>Same as Stage 1 with signed VHIE Services Agreement Addendum by data contributors on file to share deidentified data</p>	<p>Increased data quality enables usage and confidence in information to optimize quality performance measurement and population management reporting.</p> <p>HIE is able to make the data available to researchers and policymakers for analysis and reporting.</p>