Vermont Health Information Exchange
Data Governance Council *Meeting*

November 6th, 2023

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Agenda

- Check and Adjust

- Operationalize Open Mtgs

- Domain Updates

  - Social Determinants of Health Data Governance *[Will D.]*

  - Medicaid Operations Data Governance *[Kristin M.]*

- Federated Team Updates

  - Data Integration *[Jennifer S.]*

    - Data Matching & Onboarding

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Check and Adjust

- Feedback - content, frequency, meeting flow

- 2023 Frequency:
  - Monthly, many items to cover

- 2024 Recommendation:
  - Reduce frequency
  - Approaching more steady state
  - Want to continue to be responsive to changing landscape (State, Federal)

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Operationalize Open Meetings

- Meeting flow

- Logistics:
  - Agenda – posted on website [Vermont HIE Data Governance]
  - Calendar of meetings posted to Department of Libraries [Public Meetings Request]
  - Room – Waterbury State Office Complex

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SDoH Data Governance

- Kickoff completed on August 1st, 2023
- Timeline
  - August 2023 through June 2024
- Next steps
  - Complete Stakeholder Interviews *(by 11/6)*
  - Presentation of synthesized findings from document review, research, and stakeholder interviews *(11/13)*
- Key Deliverables
  - Provide SDOH stakeholder engagement and information gathering plan *[Complete]*
  - Execute SDOH stakeholder engagement and data gathering *[In Progress]*
  - SDoH Data Governance Outline *[Not Started]*
  - SDoH Consent Mechanism *[Not Started]*
  - Final SDoH Data Governance Framework *[Not Started]*

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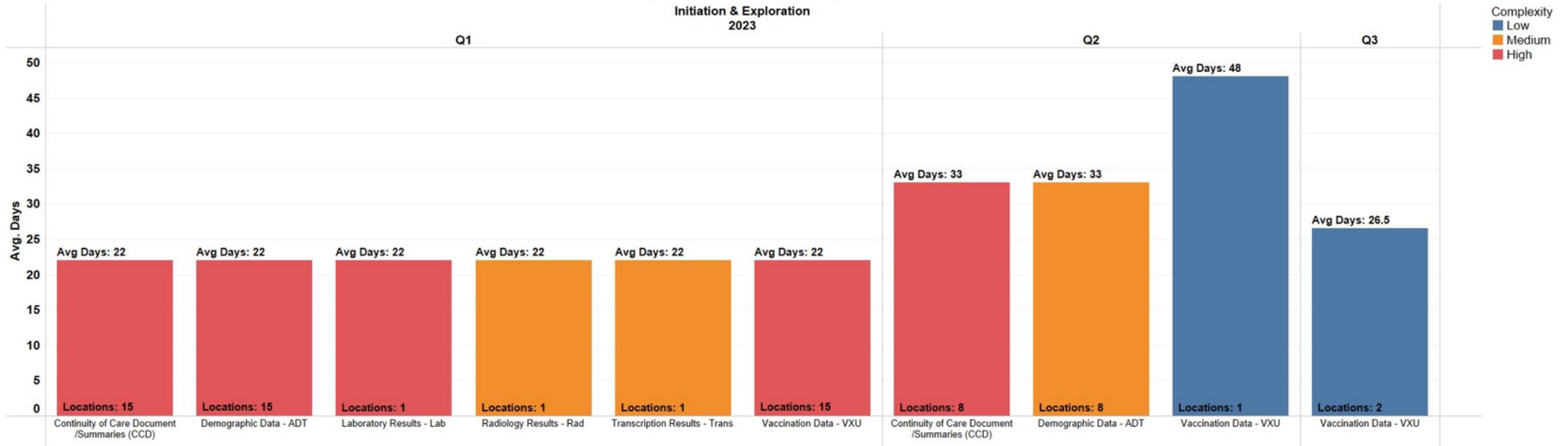# Medicaid Data Governance - Awareness

- Kickoff completed on August 31st
- Scope validation completed on September 13th
- Timeline
  - August 2023 through June 2024 *(may be revised)*
- Next steps
  - Conduct Stakeholder Interviews
- Key Deliverables
  - Stakeholder engagement and information gathering plan *[In Progress]*
  - Execute stakeholder engagement and data gathering *[Not Started]*
  - Medicaid Data Governance Outline *[Not Started]*
  - Final Medicaid Data Governance *[Not Started]*

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Federated Team Updates

Data Onboarding KPIs

Completed Initiation and Exploration KPI

Calendar Year 2023 Onboarding KPI by Phase Completed Initiation & Exploration
Health Care Organization (HCO) Count: 5
HCO Location Count: 26
HCO Interface Count: 67

Complexity:
Low Complexity- The implementation is standard with minimal configuration.
Medium Complexity - The implementation is standard with some data analysis mostly meets the requirements with minimal configuration needed.
High Complexity - The implementation is standard with additional data analysis and configuration needed.
** Based on connectivity criteria, HIE scoring, and communication with the HCO and vendor

Initiation & Exploration - Obtain HCO vendor technical resources, complete documentation with HCO and their vendor
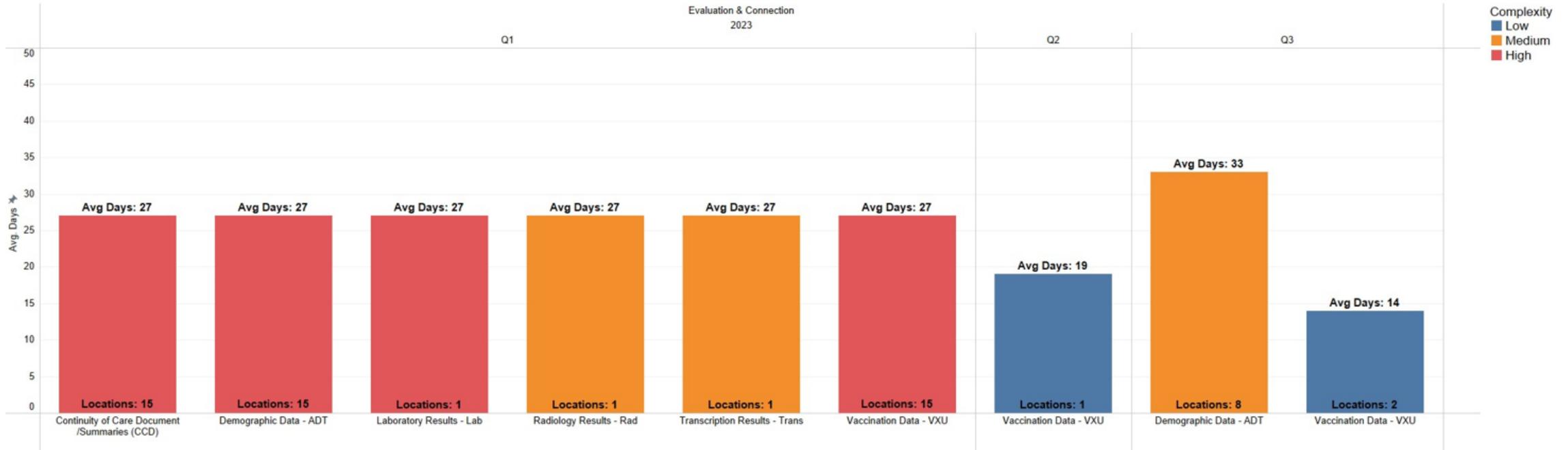
Interface Domain:
ADT Admission, Discharge, Transfer. Used to exchange patient demographics, visit information and patient state.
LAB Laboratory results
CCD Medical Document Management and Continuity of Care Document /Summaries (CCD). Used to provide care summary information about new or updated notes or documents.
RAD Radiology results
TRANS Transcriptions
TELEHEALTH Telehealth information such as home health monitoring data (vitals, blood glucose levels, height, weight, pulse oximetry)
VXU Unsolicited Vaccination Update. Used to exchange vaccination information.

Completed Evaluation and Connectivity KPI

Calendar Year 2023 Onboarding KPI by Phase
Completed Evaluation & Connection
Health Care Organization (HCO) Count: 5
HCO Location Count: 26
HCO Interface Count: 59

Complexity:
Low Complexity- The implementation is standard with minimal configuration.
Medium Complexity - The implementation is standard with some data analysis mostly meets the requirements with minimal configuration needed.
High Complexity - The implementation is standard with additional data analysis and configuration needed.
** Based on connectivity criteria, HIE scoring, and communication with the HCO and vendor

Evaluation & Connection - Analysis of the data samples and implementation of the connection

Interface Domain:
ADT Admission, Discharge, Transfer. Used to exchange patient demographics, visit information and patient state.
LAB Laboratory results
CCD Medical Document Management and Continuity of Care Document /Summaries (CCD). Used to provide care summary information about new or updated notes or documents
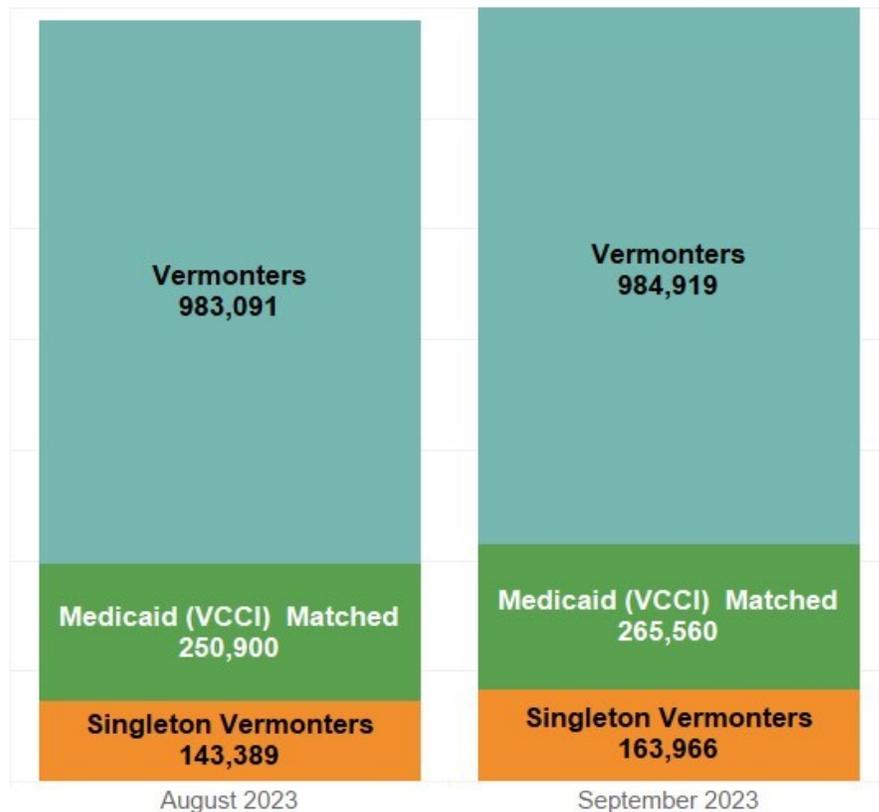RAD Radiology results
TRANS Transcriptions
TELEHEALTH Telehealth information such as home health monitoring data (vitals, blood glucose levels, height, weight, pulse oximetry)
VXU Unsolicited Vaccination Update. Used to exchange vaccination information.

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KPI for Matching Impacts

Calendar Year 2023
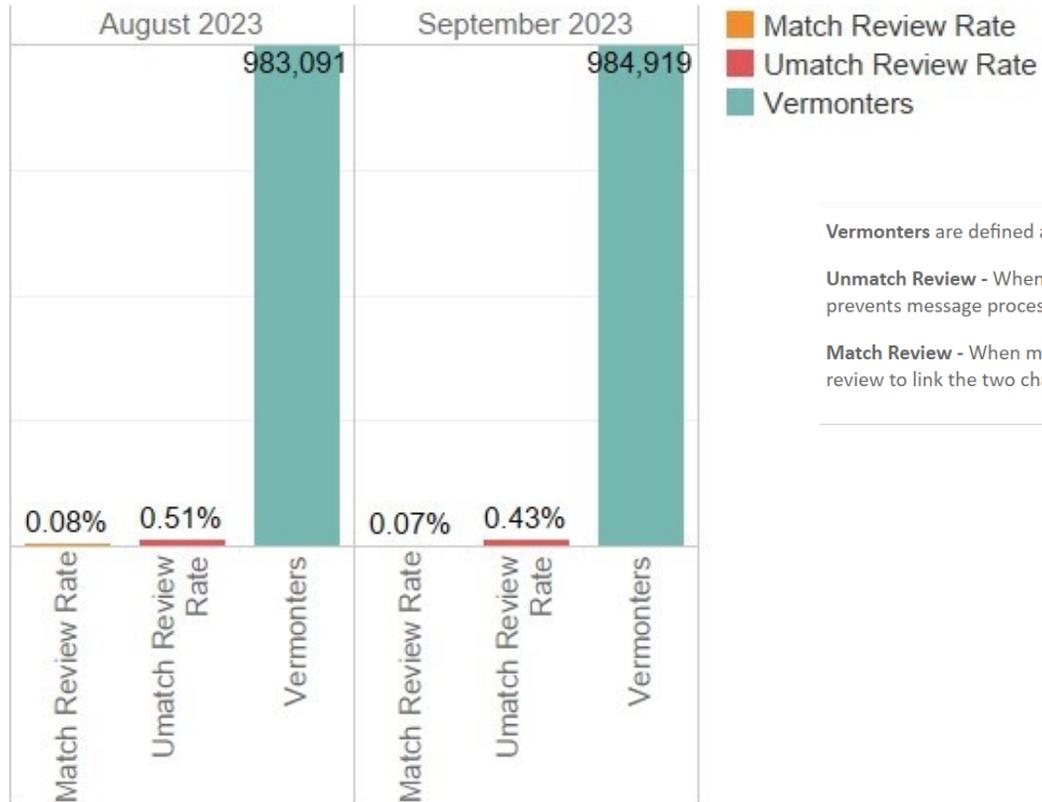KPI for Matching Impacts
Total Vermonters & Vermont Singletons

Legend:
- Vermonters
- Medicaid (VCCI) Matched
- Singleton Vermonters

August 2023
- Vermonters 983,091
- Medicaid (VCCI) Matched 250,900
- Singleton Vermonters 143,389

September 2023
- Vermonters 984,919
- Medicaid (VCCI) Matched 265,560
- Singleton Vermonters 163,966

Vermonters is defined as a patient in the MPI in the past 3 years with a Vermont address from a Vermont organization.
Singleton is defined as a patient that does not match to any other organization in the community. A singleton patient could have multiple records from one organization but none from any others.

KPI for Matching Data Quality

Calendar Year 2023
KPI for Matching Data Quality:
MPI Chart Reviews

Vermonters are defined as a patient in the MPI in the past 3 years with a Vermont address from a Vermont organization.

Unmatch Review - When a single HCO submits demographics on a patient chart, the MPI alerts that there maybe two different patients documented on a single chart. This prevents message processing until the chart is manually reviewed. Examples- Name Changes, Adoptions, Chart errors.

Match Review - When multiple HCOs submit different demographics on the same patient chart, the MPI alerts that this maybe a single patient and creates a queue for manual review to link the two charts. Examples- Patients with limited demographics.

Reference

Data Onboarding KPIs

- The activities for the Data Integration Team are to define and certify the general onboarding process and to report the progress of onboarding different data domains to the Data Governance council.
- The average number of days to complete a milestone in the process is grouped by data domain and complexity to measure over time the effect that the adoption or changes of the onboarding process has.

Purpose: Evaluate the data governance impact on the onboarding process.

Frequency: Every 4 months (May 1st, September 1st, January 1st) to allow time for onboarding changes to be realized.

KPI Milestones:
- Initiation & Exploration Phase- Avg # of days to complete the Initiation and Exploration phase.
- Evaluation & Connectivity Phase - Avg # of days to complete the Evaluation & Connection phase.
- Go Live - Avg # of days from Initiation to Go live.

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Data Matching KPIs

- The activities for the Data Integration Team are to define and manage the data matching processes and to audit and report the status of valid data matching to the Data Governance Council.

Purpose: Evaluate the data governance's impact on the matching process and audit the status of valid matching

Frequency: Quarterly

KPI Matching: to ensure that the data quality does not erode over time.
  - Unmatch Review Rate- The number of incorrect matched patients that are identified[1] and resolved[2] divided by the total number of matching transactions during the given period.
  - Match Review Rate– The number of missed matched patients that are identified[1] and resolved[2] divided by the total number of matching transactions during the given period.
  - % of singleton Vermonters
  - % match rate of Medicaid members

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[1] Identified means that the chart was found and flagged for a manual review.
[2] Resolved means that MPI action was taken in the VHIE matching.

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Data Onboarding KPIs- Table

Phase	Domain	Date (Month of Completion)	Complexity	Avg Days
Evaluation & Connection	ADT	3/31/2023	High	27
Evaluation & Connection	CCD	3/31/2023	High	27
Evaluation & Connection	LAB	3/31/2023	High	27
Evaluation & Connection	RAD	3/31/2023	Medium	27
Evaluation & Connection	TRANS	3/31/2023	Medium	27
Evaluation & Connection	VXU	3/31/2023	High	27
Initiation & Exploration	ADT	3/31/2023	High	22
Initiation & Exploration	CCD	3/31/2023	High	22
Initiation & Exploration	LAB	3/31/2023	High	22
Initiation & Exploration	RAD	3/31/2023	Medium	22
Initiation & Exploration	TRANS	3/31/2023	Medium	22
Initiation & Exploration	VXU	3/31/2023	High	22
Evaluation & Connection	VXU	5/31/2023	Low	19
Initiation & Exploration	ADT	6/30/2023	Medium	33
Initiation & Exploration	CCD	6/30/2023	High	33
Initiation & Exploration	VXU	6/30/2023	Low	48
Evaluation & Connection	ADT	7/31/2023	Medium	33
Evaluation & Connection	VXU	8/31/2023	Low	49
Initiation & Exploration	VXU	8/31/2023	Low	38.5

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Data Matching KPIs Table

KPI	Date (MPI KPIs)	# of Patient Records	% of Patient Records
Unique Vermonters in last 3 years MPI	8/31/2023	983,091	100.00%
Singleton Vermonters	8/31/2023	143,389	14.59%
Match Review Rate	8/31/2023	833	0.08%
Unmatch Review Rate	8/31/2023	5,023	0.51%
VCCI Medicaid Matched	8/31/2023	250,900	25.52%
Unique Vermonters in last 3 years MPI	9/30/2023	984,919	100.00%
Singleton Vermonters	9/30/2023	163,966	16.65%
Match Review Rate	9/30/2023	677	0.07%
Unmatch Review Rate	9/30/2023	4,203	0.43%
VCCI Medicaid Matched	9/30/2023	265,560	26.96%

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