Vermont Health Information Exchange
Data Governance Council Meeting
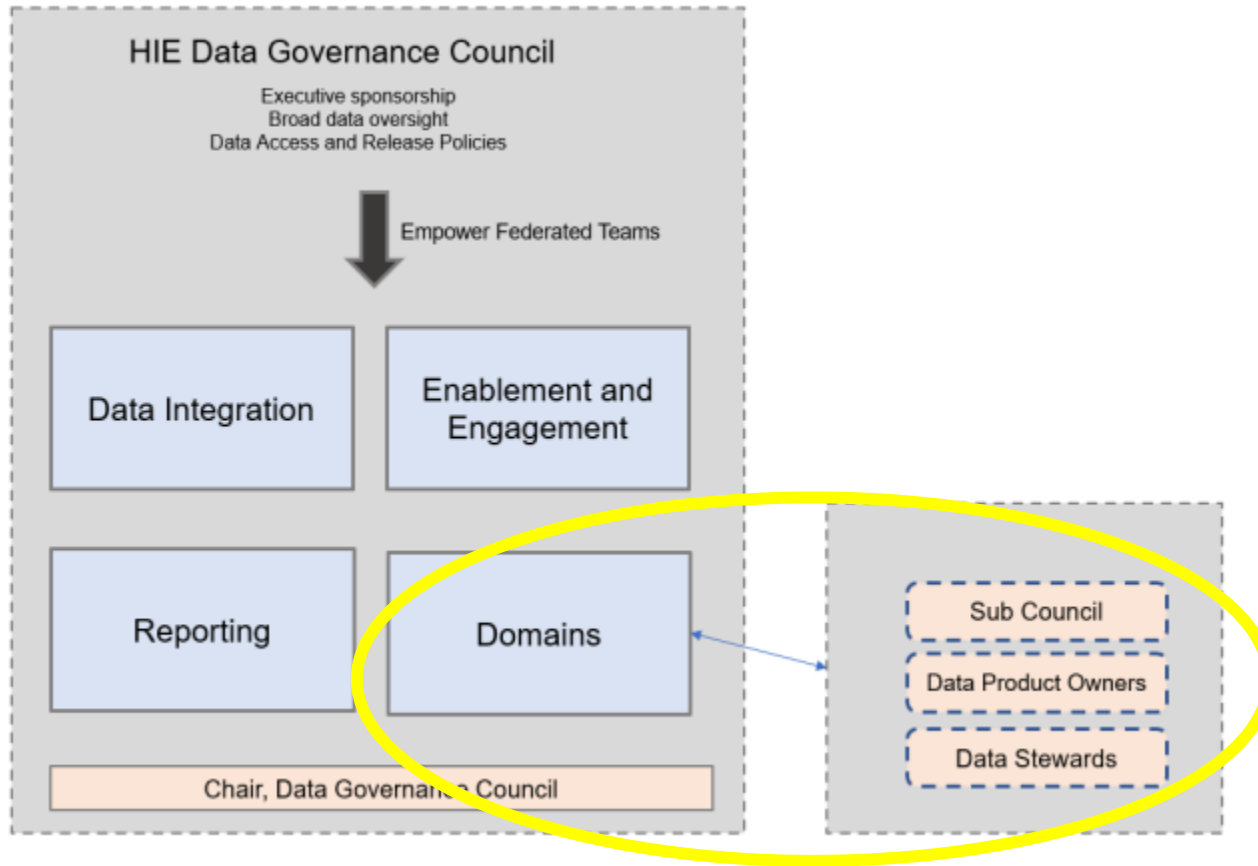
October 29th, 2024

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Agenda

- General Reminders
- Domain Updates
  - Social Determinants of Health Data Governance
- Federated Team Updates
  - Data Integration Team – Data Completeness Update [Kristina Choquette]
  - Enablement and Engagement Team Update [Maurine Gilbert]
- Public Comments

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General Reminders

- Material posted to website:
  - [Vermont Health Information Exchange Data Governance | Health Data](#)
  - [Data Governance Council Charter (vermont.gov)](#)
- Agreed upon meeting frequency: every 6 weeks
- Mode: in person (Waterbury state complex) and online (MS teams)

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Domain Updates

Key Items

- Domain teams provide updates and recommendations to the HIE Data Governance Council.

- HIE Data Governance Council - provides support, feedback, guidance, and ultimately votes to approve/not approve / request changes to Domain recommendations

- 4 Active Domain Teams
  - 42 CFR Part 2
  - Social Determinants of Health
  - Medicaid
  - New: Healthcare Workforce

Social Drivers of Health Update

Accomplishments

- Social Drivers of Health domain team established
- Working with the SDoH domain team to create data governance framework documentation
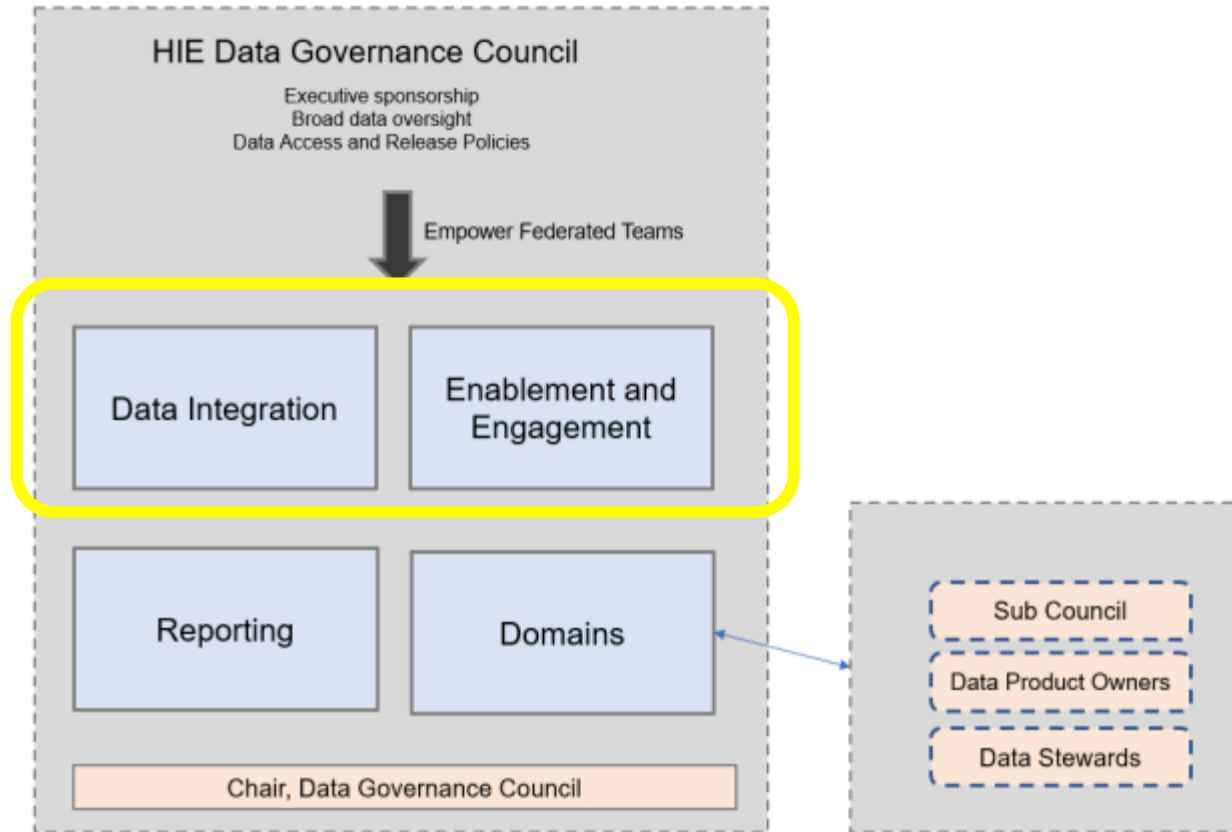- Contracted with NORC to create SDoH Roadmap

Timeline

- Period of Performance for NORC contract: August 2024 – January 2025

Key Deliverables

- Project Charter & Management Plan, Stakeholder Engagement and Information Gathering Plan, Landscape Survey and Needs Assessment Report, SDoH source review, Training and Education Plan, Change Management Strategy, Implementation Strategy, Retrospective

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Federated Team Updates

Data Integration Team - Data Completeness Update

Data Integration Team – September Update

- Data Completeness Dashboards are ready for presentation
  - Controlling Blood Pressure for Vermonters
  - Hemoglobin A1c Control for Vermonters
  - Depression screening for Vermonters
- Dashboard data parameters
  - Patient cohorts and measures are based on certain data related Healthcare Effectiveness Data and Information Set (HEDIS)
  - Structured data discretely reported using standardized vocabulary (SNOMED, LOINC, ICD-10, etc.)
  - VITL evaluates completeness by comparing data contributed by all sources comprising the person's comprehensive record in the VHIE
- Dashboard examples were created using a subset of production VHIE data

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Controlling Blood Pressure for Vermonters

- **Cohort**: Vermonters aged 18 to 85

- **Measure**: Blood pressure in control
  - Systolic (<140 mmHg)
  - Diastolic (<90 mmHg)

- **Cohort Dashboards**
  - Number of Vermonters who meet the cohort definition
  - Percentage of the cohort with the presence of systolic/diastolic readings within the past 3 years
  - Percentage of the cohort whose last systolic/diastolic readings within the past 3 years are in control

- **Cohort with Hypertension Dashboards**
  - Percentage of the cohort with a Hypertension diagnosis within past 3 years
  - Percentage of the cohort with a Hypertension diagnosis (sub-cohort) whose last systolic and diastolic readings are in control

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VHIE: Vermonter Cohort 18-85 years - September 2024

Vermonter Cohort: Blood Pressure (BP) Control

The total number of Vermonters aged 18-85 was **594,239** and the total count of all BP readings recorded for the Vermonter cohort in the last 3 years was **6,000,000**.

VHIE Metric	September 2024
Cohort: Count of Adult Vermonters aged 18-85	594,239
% of cohort w/BP reading in last 3 yrs	78.93%
% of cohort w/last BP in control (<140/90)	76.97%

Vermonter Cohort: Hypertension (HTN) Diagnosis

The total count of the Vermonterss aged 18-85 years old with a diagnosis of HTN in the last 3 years was **68,173, or 11.47%**.

VHIE Metric	September 2024
Cohort: Count of Adult Vermonters aged 18-85	594,239
% of cohort w/HTN diagnosis in last 3 yrs	11.47%

Vermonters with Hypertension (HTN) Sub-Cohort: Blood Pressure (BP) Control

The total number of Vermonters aged 18-85 was **594,239** and the count of the sub-cohort diagnosed with HTN was **68,173**.

From the sub-cohort diagnosed with HTN, the count whose last recorded blood pressure reading was within last 3 years AND in control (<140/90) was **30,000, or 44.01%**.

VHIE Metric	September 2024
Count of cohort w/HTN diagnosis in last 3 yrs	68,173
% of cohort w/HTN and last BP in control (<140/90)	44.01%

Vermonter:
A person in the MPI who had a Vermont address (identified by ZIP or state) recorded in messages to VITL within the past 3 years.

Adult aged 18 to 85:
A person in the MPI who has a date of birth placing their age at the time of the report at 18 to 85 years.

Hypertension diagnosis (HTN):
Diagnosis of hypertension within the past 3 years from the date the report is run.

Controlled Blood Pressure (BP) as defined by NCQA measures:
Systolic is < 140 and Diastolic value <90. Both values were taken at the same time.
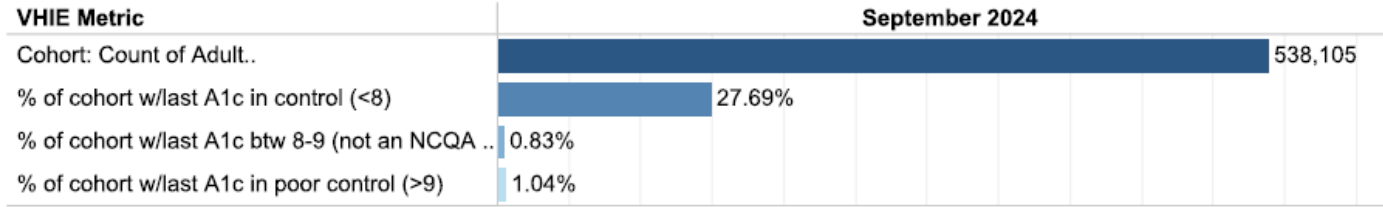
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Hemoglobin A1c Control for Vermonters

- **Cohort**: Vermonters aged 18 to 75
- **Measure**: Hemoglobin A1c results in control vs. poor control
  - Glycemic status in control: < 8%
  - Glycemic status poor control: > 9%
  - *Feedback was to include glycemic status in the 8 to 9% range even though it is not in the NCQA HEDIS measures*
- **Cohort Dashboards**
  - Number of Vermonters who meet the cohort definition
  - Percentage of the cohort with a Hemoglobin A1c result within the past 3 years
  - Percentage of the cohort whose last Hemoglobin A1c glycemic status within the past 3 years is in control vs poor control
- **Cohort with Diabetes Dashboards**
  - Percentage of the cohort with a Diabetes diagnosis within the past 3 years
  - Percentage of the cohort with a Diabetes diagnosis within the past 3 years whose last Hemoglobin A1c glycemic status is in control vs poor control

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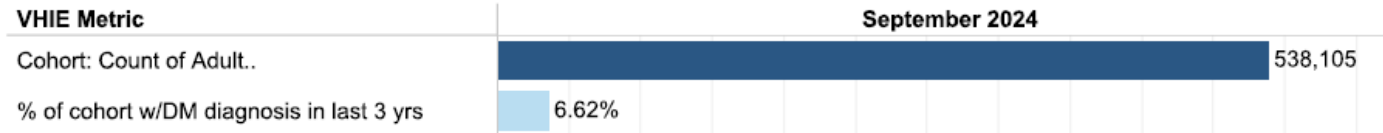VHIE: Vermonter Cohort 18-75 years - September 2024

Vermonter Cohort: Hemoglobin A1c Control

The total number of Vermonters aged 18-75 was **538,105** and the total count of all Hemoglobin A1c results recorded for the Vermonter cohort in the last 3 years was **469,712**.

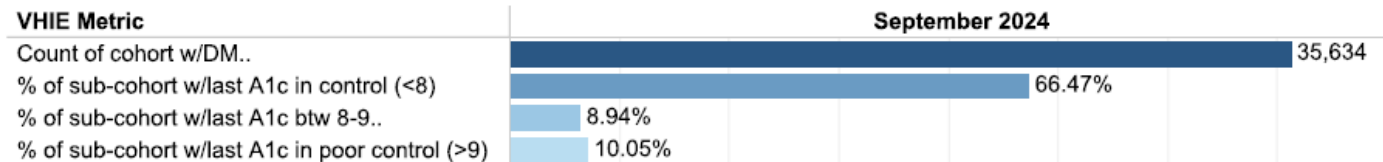| VHIE Metric	September 2024
Cohort: Count of Adult..	538,105
% of cohort w/last A1c in control (<8)	27.69%
% of cohort w/last A1c btw 8-9 (not an NCQA ..	0.83%
% of cohort w/last A1c in poor control (>9)	1.04%

Vermonter Cohort: Diabetes Mellitus (DM) Diagnosis

The total count of the Vermonters aged 18-75 years old with a diagnosis of DM in the last 3 years was 35,634, **or 6.62%.**

VHIE Metric	September 2024
Cohort: Count of Adult..	538,105
% of cohort w/DM diagnosis in last 3 yrs	6.62%

Vermonters with Diabetes Mellitus (DM) Sub-Cohort: Hemogobin A1c Control

The total number of Vermonters aged 18-75 was **538,105** and the count of the sub-cohort diagnosed with DM was **35,634.**

From the sub-cohort diagnosed with DM, the count whose last recorded A1c result was within last 3 years AND in control (<8) was **23,687, or 66.47%**

VHIE Metric	September 2024
Count of cohort w/DM..	35,634
% of sub-cohort w/last A1c in control (<8)	66.47%
% of sub-cohort w/last A1c btw 8-9..	8.94%
% of sub-cohort w/last A1c in poor control (>9)	10.05%

Vermonter:
A person in the MPI who had a Vermont address (identified by ZIP or state) recorded in messages to VITL within the past 3 years.

Adult aged 18 to 75:
A person in the MPI who has a date of birth placing their age at the time of the report at 18 to 75 years.

Diabetes Mellitus (DM) diagnosis:
Diagnosis of diabetes within the past 3 years from the date the report is run.

A1c In Control:
Last A1c was in the past 3 years of the report run and the result value is < 8.

A1c In Poor Control:
Last A1c was in the past 3 years of the report run and the result value is > 9.

A1c result between 8 and 9 (not an NCQA measure):
Last A1c was in the past 3 years of the report run and the result value is between 8-9.
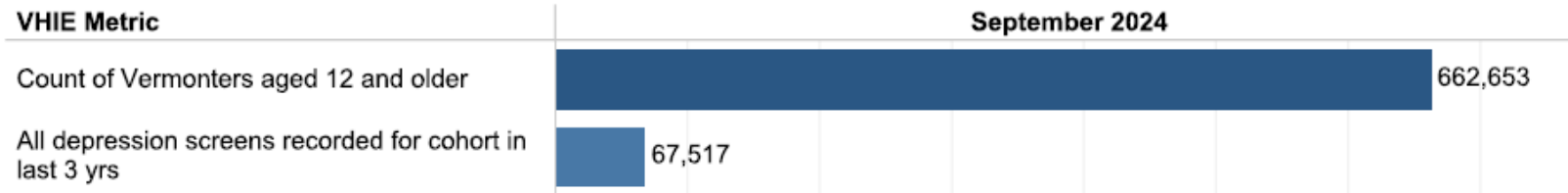
Depression screening for Vermonters

- **Cohort:** Vermonters aged 12 and older

- **Measure:** Depression screening reported
  - Positive finding
  - Negative finding

- **Cohort Dashboards**
  - Number of Vermonters who meet the cohort definition
  - Percentage of cohort with a Depression screening performed within the last 3 years
  - Percentage of the cohort whose <u>last</u> Depression screening finding was positive vs. negative within the past 3 years

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VHIE: Cohort 12+ years Depression Screening - September 2024

Vermonter Cohort: Depression Screens Administered

The total number of Vermonters aged 12 and older was **662,653** and the total count of all depression screenings recorded for this cohort in the last 3 years was 67,517.
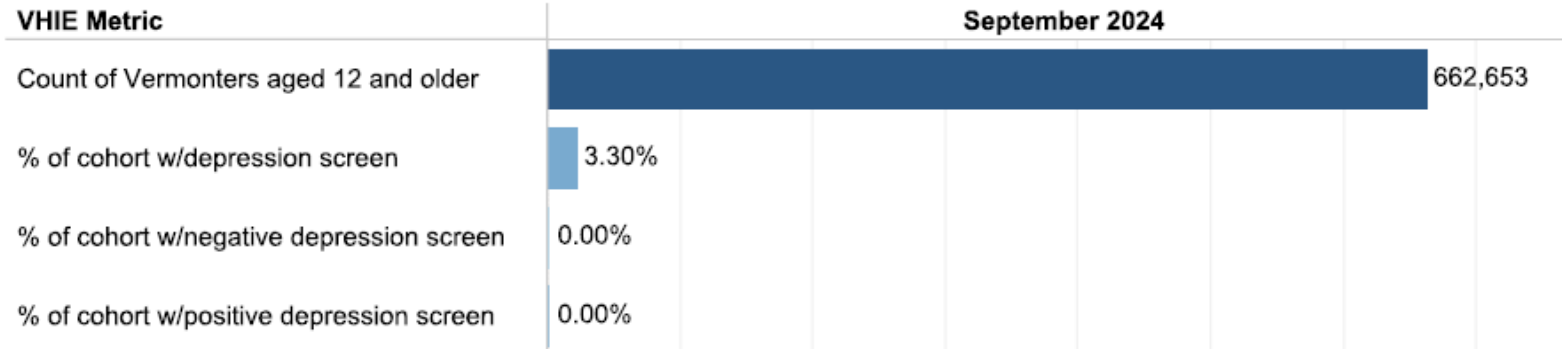
VHIE Metric	September 2024
Count of Vermonters aged 12 and older	662,653
All depression screens recorded for cohort in last 3 yrs	67,517

Vermonter:
A person in the MPI who had a Vermont address (identified by ZIP or state) recorded in messages to VITL within the past 3 years.

Adult aged 12+:
A person in the MPI who has a date of birth placing their age at the time of the report at 12 and older.

Vermonter Cohort: Depression Screen Results

VHIE Metric	September 2024
Count of Vermonters aged 12 and older	662,653
% of cohort w/depression screen	3.30%
% of cohort w/negative depression screen	0.00%
% of cohort w/positive depression screen	0.00%

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Enablement and Engagement Team Update

Metrics

The Engagement and Enablement workgroup has developed a set of metrics to measure and track impact of health information exchange in Vermont over time. These include:
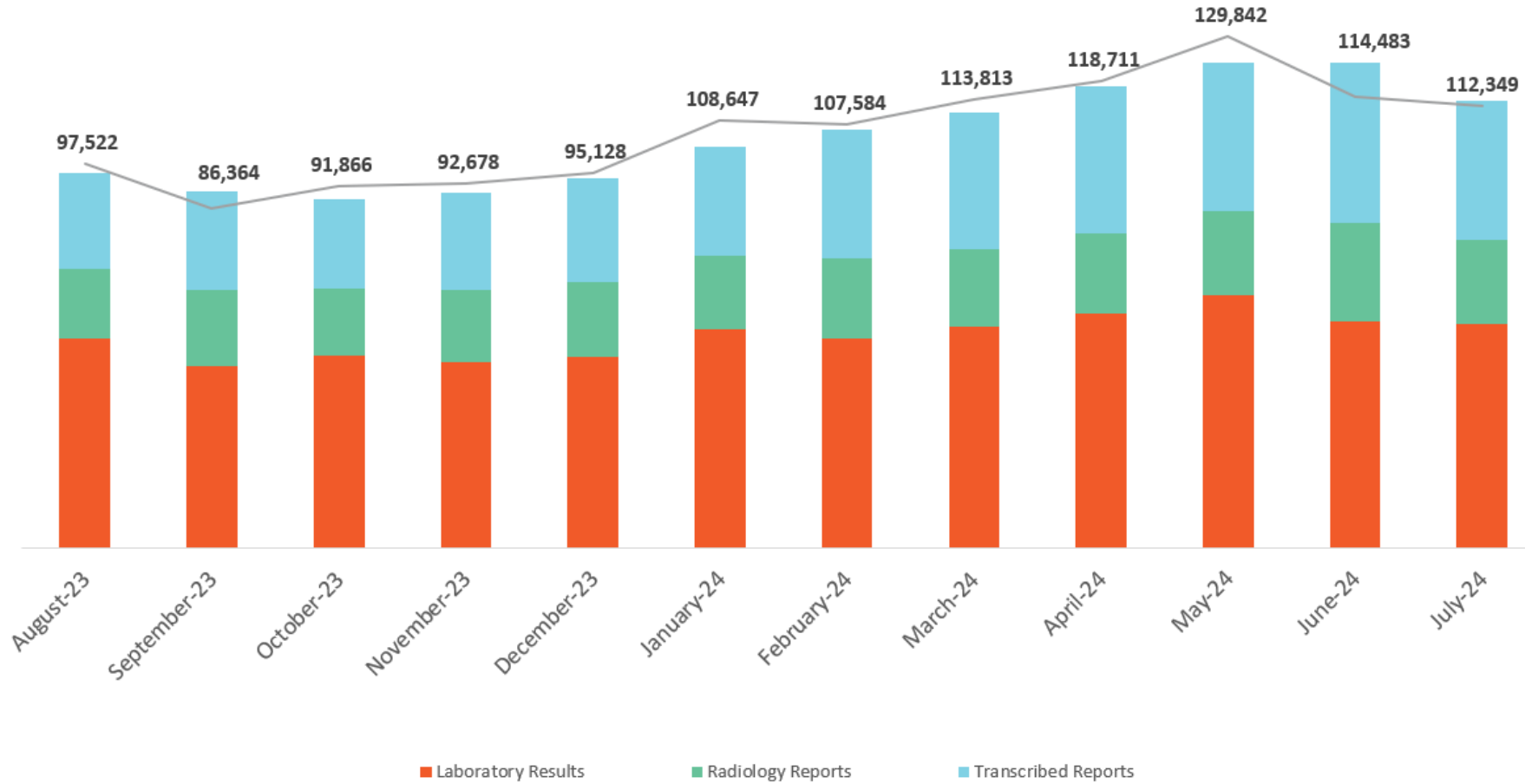
- Number of providers, by provider type, exchanging data

- Number of results delivered through the health information exchange, and number of providers receiving results

- Number of individual clinical portal users with a chart access

- Number of data contributing providers that a Vermonter visits for care

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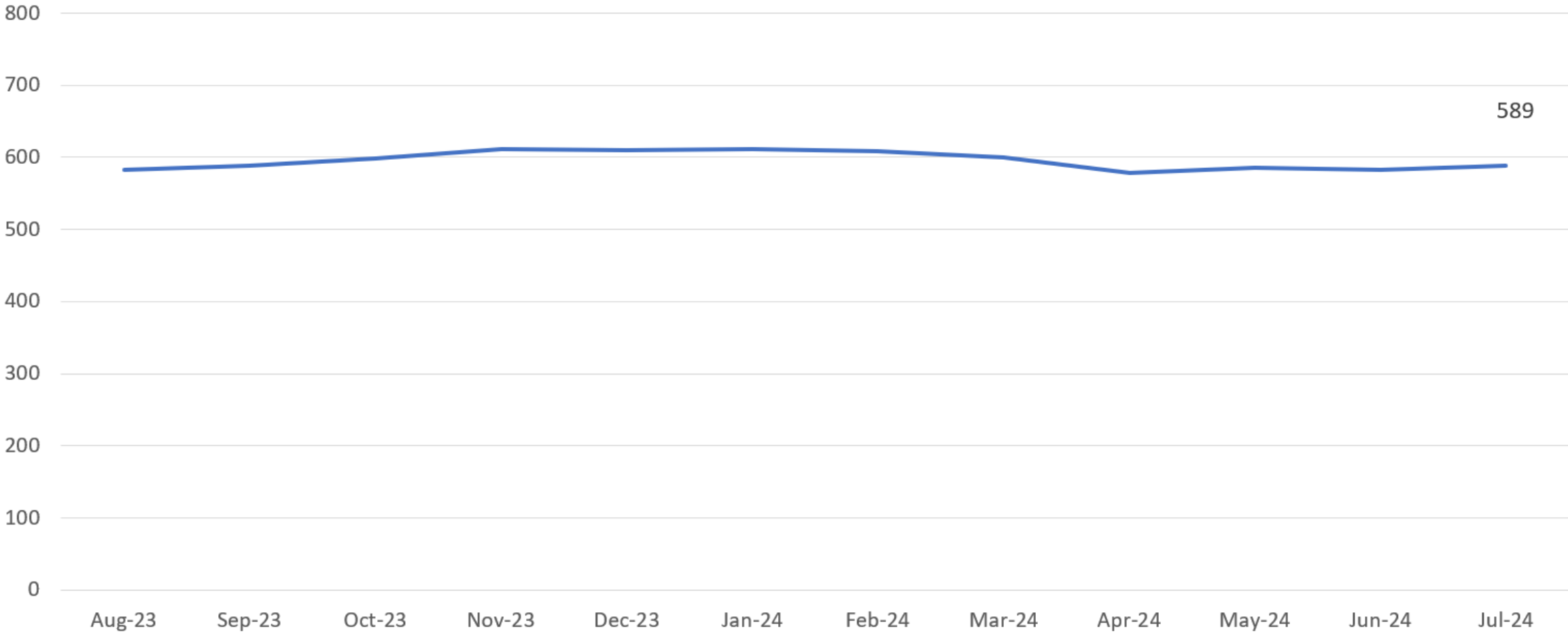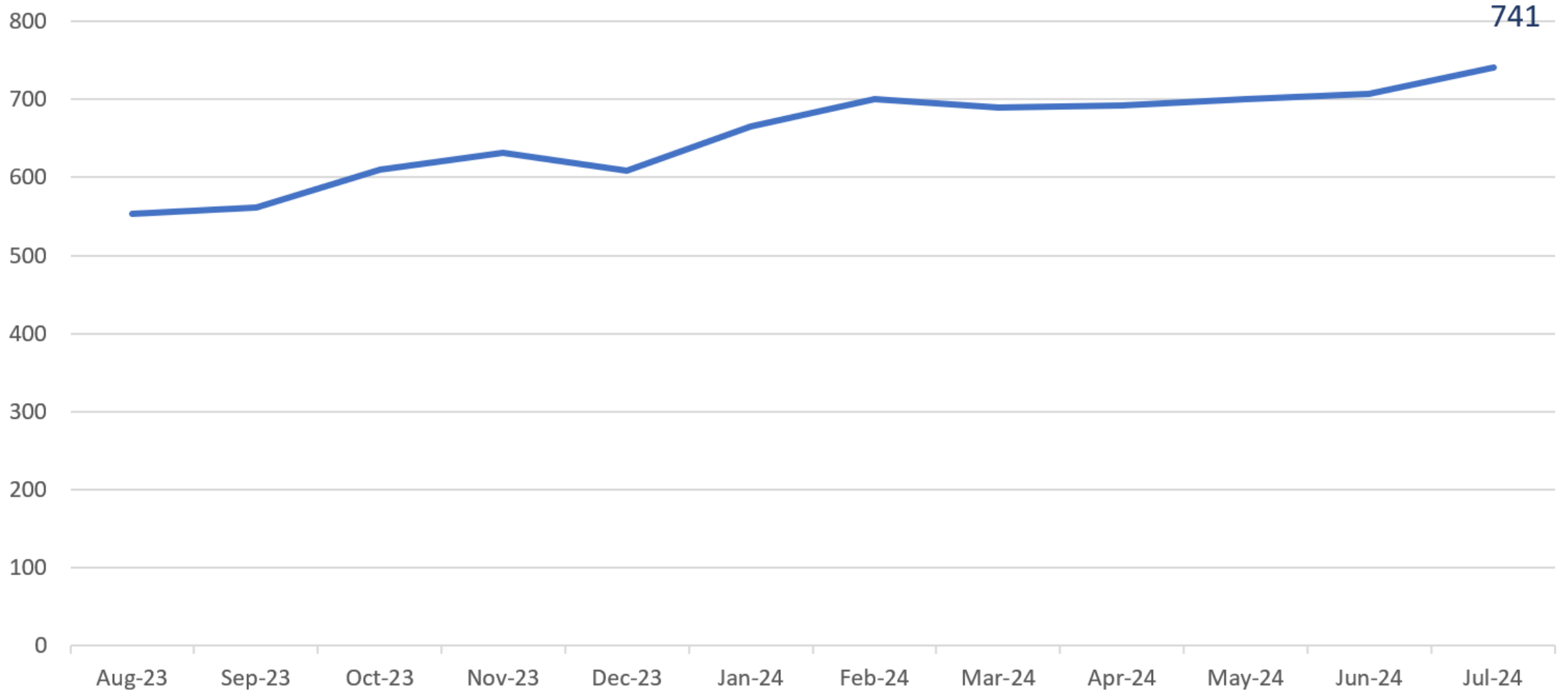| Vermont Health Information Exchange Participants	Contribute Data	Access Data
Hospitals (*including all Vermont hospitals and two border hospitals, along with their inpatient and ambulatory services, emergency departments, and owned specialty and primary care practices*)	16	17
Federally Qualified Health Centers	11	10
Independent Specialty and Primary Care Practices	35	79
Home Health Agencies	4	6
Nursing Home and Long-term Care Facilities	0	4
Pharmacy Chains and Independent Pharmacies	11	1
Laboratories (State and Commercial)	14	0
Agencies of the State of Vermont	1	2
Designated Mental Health Agencies and Specialized Services Agencies	0	12
Emergency Medical Services	0	48
Payers & Accountable Care Organizations	0	2

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Results Delivery by Result Type

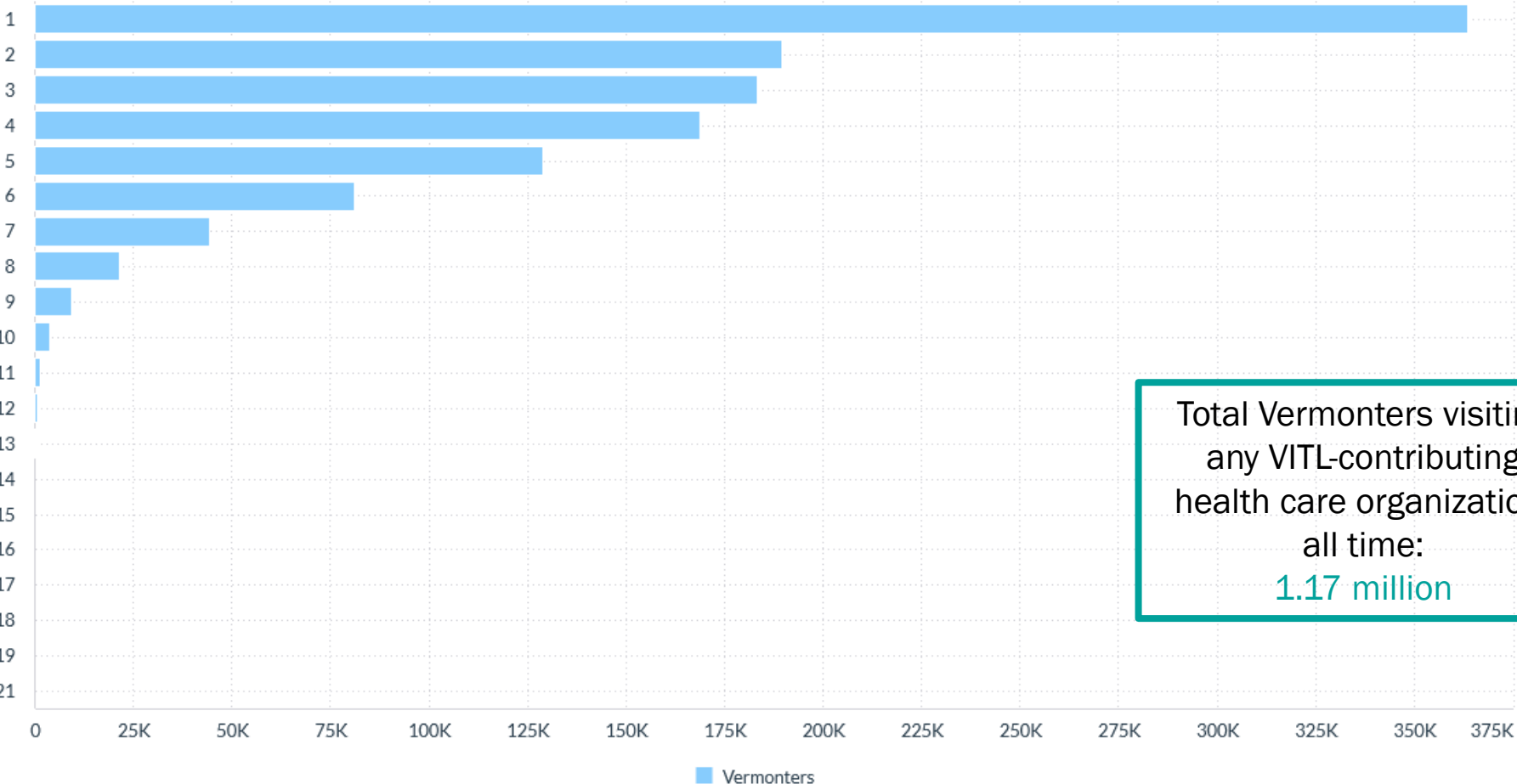Number of providers receiving results = 589

18

Number of Providers Receiving Results
in their EHR

589

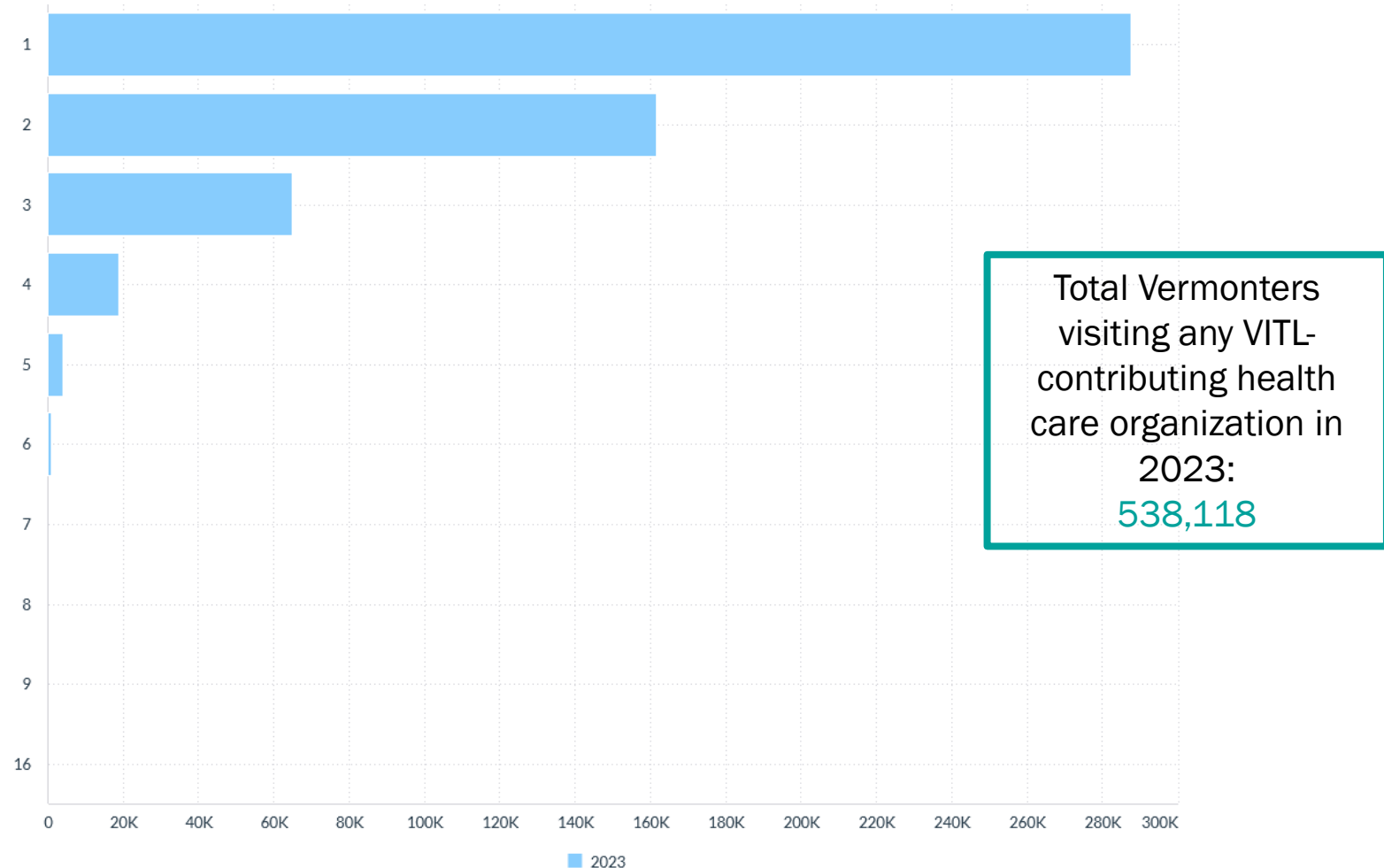# Number of Unique Users with a Chart Access

741

Number of VITL-contributing health care organizations visited by Vermonters, all time

Total Vermonters visiting any VITL-contributing health care organization, all time:
1.17 million

Number of VITL-contributing health care organizations visited by Vermonters in 2023

Total Vermonters visiting any VITL-contributing health care organization in 2023:
538,118

2023

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Public Comments