

VITLAccess Demonstration

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VITL Medical Director



Vermont Health Information Exchange

- Vermont Information Technology Leaders, Inc. (VITL) is designated by the State of Vermont to operate the Vermont Health Information Exchange (HIE)
- The Vermont HIE is a secure network that facilitates the electronic exchange of patient health data between health care provider organizations
- VITLAccess is a secure internet portal allowing a health care provider, with patient consent, to view patient data through the Vermont HIE



VHIE Security

- VITL's technology infrastructure vendor is Medicity, one of the largest HIE vendors in the US
- Data in transit is encrypted
- Patient information is not comingled and is stored in separate data vaults by provider organization
- Network is monitored 24/7 for signs of intrusion
- Every attempt to access the VHIE is logged
- Medicity's data centers are SSAE-16 certified: best practice in healthcare and exceeds HIPAA standards
- Medicity has never had a breach
- VITL is seeking FIPS 200 compliance, a Federal information systems security level that covers 17 domains and exceeds HIPAA requirements



What is VITLAccess?

Secure internet portal giving health care providers access to electronic health information

- Real-time, 24x7
- Consent driven
- Web based

- VITLAccess (ProAccess) has been operational in locations outside of Vermont for over 14 years.
- Expected number of VITLAccess users is 5,000-10,000



Data Access & Security



VITL Access is available only to authorized health care organizations

- System access is managed via role based security

-Roles are determined by the health care organization

- All user activity is logged

VITL routinely audits user activity, monitors for suspicious transactions



All data is encrypted

Vermont Consent Policy & VITLAccess

DESIGNED TO PROTECT PATIENT PRIVACY

- A patient must give their written consent to permit access to their health information available on the exchange.
- The Vermont Patient Consent Policy was recently changed to a “global” consent policy.
- Once consent is given, any provider involved in the patient’s care is allowed to access all data for that patient in VITLAccess
- Each health care organization must verify a patient has provided consent, or receive a patient’s written consent before viewing the patient’s statewide health information



Vermont Consent Policy & VITLAccess

DESIGNED TO PROTECT PATIENT PRIVACY

Vermont Consent is now a Global Consent
(approved by GMCB March 13, 2014)

- Policy allows for emergency access
- Consent is valid indefinitely
- Consent can be revoked by patient at any time

VITL has state wide responsibility for implementing the consent process

Formal consent training will be provided to all VITLAccess users



Why Use VITLAccess?

- ➔ Fill gaps in existing patient information
 - Medication information & reconciliation
- ➔ Availability of real time / up to date statewide data
- ➔ Avoid duplicate and unnecessary procedures
- ➔ Avoid unnecessary admissions

Results

- ✔ More informed decision making
- ✔ Improved safety
- ✔ Better coordination of patient care
- ✔ Increased patient satisfaction
- ✔ Reduced cost without affecting quality of care

VITLAccess Pilot Program

Wide range of care settings:

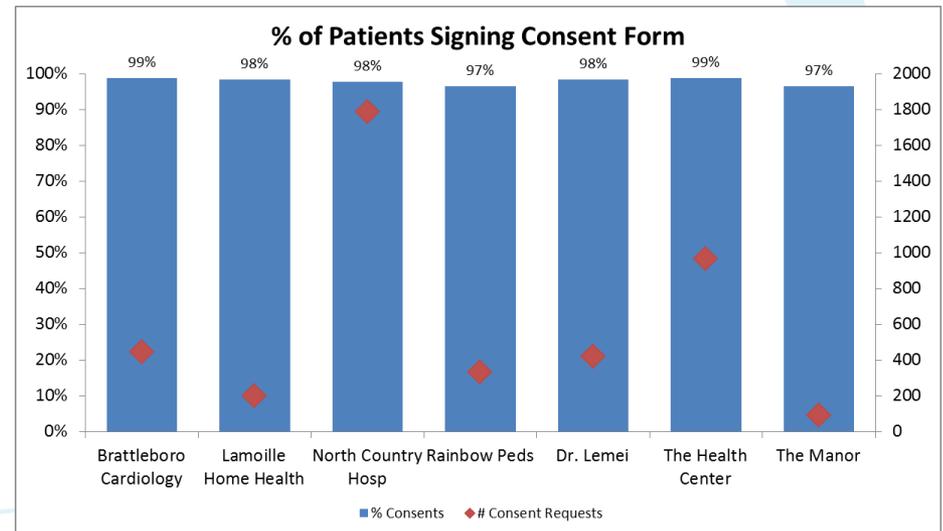
- Hospital ED
- Primary care
- Specialty care
- Pediatric care
- Long term care
- Home Health and Hospice

Informed Consent to View:

- 4240 patients asked
- 98% consented

Identified community care scenarios:

- New patient intake
- Referral tracking
- Preventative care outreach
- Contact information
- Chronic condition history and management
- Out of area ER follow-up
- Transition to nursing home / LTC



VITLAccess Demo

- Functional demonstration of production version
 - No protected health information is disclosed
 - Local version to remove dependency on internet connectivity
- Demonstrates the type of clinical data available through VITLAccess and example clinical use cases.
- Does not demonstrate access and security controls that will be in place:
 - VITLAccess will be available to authorized users only
 - VITLAccess users will be reminded of security requirements at each log in



Introducing VITL Access



VERMONT INFORMATION TECHNOLOGY LEADERS

WELCOME TO THE VERMONT
HEALTH INFORMATION EXCHANGE

Username

Password

[LOG IN ►](#) [Reset your password?](#)

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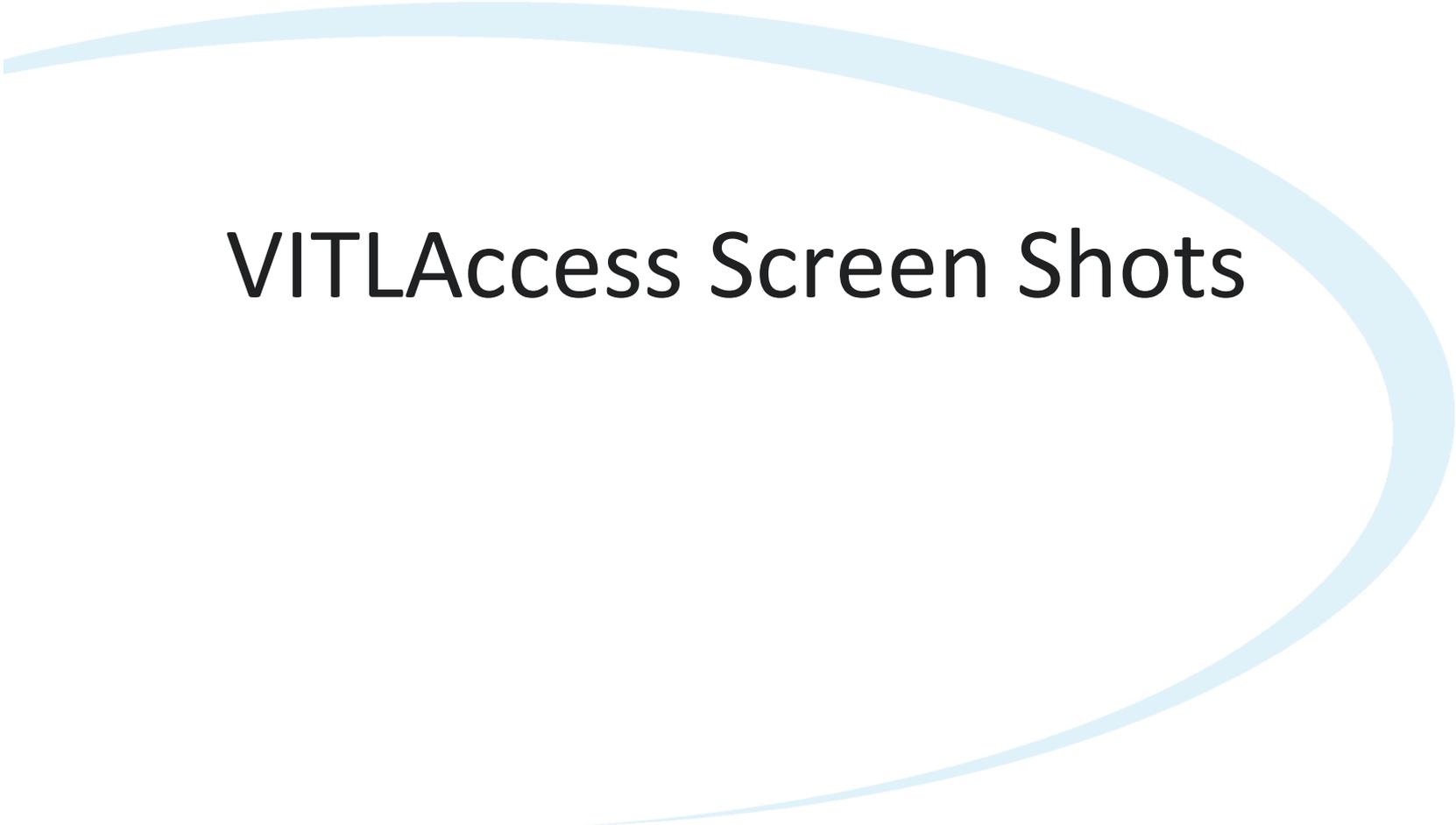
WELCOME TO THE VERMONT HEALTH INFORMATION EXCHANGE

ProAccess ▶

Having a VHIE support issue? Please log in to MyVITL at <http://myvitl.net> and submit a request or call our support line at 1-877-592-4053. For information about how VITL supports VHIE users, go to <http://www.vitl.net/support>.

TERMS & CONDITIONS

Provider access to the VHIE is subject to (1) the execution, and compliance with the terms, of the VHIE Data Services and Participation Agreement and its impending policies and standards, (2) the Provider's having received written consent from the patient to access the PHI on the VHIE, and (3) the Provider's seeking the PHI for treatment purposes. Provider agrees that the PHI it obtains, receives or accesses from the VHIE shall be kept confidential and secure in compliance with the HIPAA Privacy and Security Regulations and all other applicable federal, state and local laws, statutes and regulations as well as the Policies and Standards of the VHIE. All access to the VHIE by Provider may be subjected to compliance audit by the VITL at any time.



VITLAccess Screen Shots





Tiffany Smith

Female Age 68 DOB 10/14/1944

MRN
124323

Confidential Opt Out
Records Accessed

Demographics & Facesheet

Create Clinical Summary

Create Patient Referral

List

Timeline

Save to Desktop Print Fax Send

Patient Summary

Patient Summary

Showing: All Inpatient Outpatient ER

Additional Records May Be Available

Configure Summary Information

Encounters Most Recent

Date ▾	Description	Facility	Type
04/20/2013	Dyspnea, CHF	Metro South	Inpatient
02/04/2013	Diabetes Mellitus Type 2	City Clinic	Outpatient
02/02/2012	Hypertension	City Clinic	Outpatient

All Encounters ▶

Medications Most Recent

Date ▾	Description	Dose	Quantity
05/15/2013	Metformin (Glucophage)	500 mg	90
12/10/2012	Lisinopril HCTZ (Prinzide)	12.5 mg / 10 mg	30
12/10/2012	Simvastatin (Zocor)	40 mg	30

All Medications ▶

Clinical Summaries Most Recent

Date ▾	Description	Source
02/19/2013	System Generated Summarization of Episode	HIE
02/07/2013	Summarization of Episode	Metro South
01/28/2013	Summarization of Episode	City Clinic

All Clinical Summaries ▶

Allergies Most Recent

Date	Description	Severity ▾
01/31/2013	Pollen	Unknown/Not Provided
01/31/2013	Penicillin V Potassium	Severe
11/02/2012	Strawberries	Mild

All Allergies ▶

Test Results Most Recent

Date ▾	Description	Value	Range	Flag
02/16/2013	Glucose	117 mg/dL	65 - 105	High
02/13/2013	A1C	9.9 %	4.0 - 6.0	High
11/02/2012	Lipid Panel			

All Test Results ▶

Immunizations Most Recent

Date ▾	Description
01/31/2013	Pneumococcal
11/31/2012	Influenza
10/22/2011	Influenza

Test Results

Medications

Encounters

Clinical Summaries

Patient Referrals

Enter Name, MRN, or SSN

Patient Search

Patient Lists 6

Test Results

6 Notifications

Messaging

Home > Search Results > Tiffany Smith > Test Results



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Additional Records May Be Available

Filter / Search

View 10 25 All

Due Date / Time	Type	Description	Alerts	Ordering	Facility
02/14/2013 9:38 PM	Cardiology	Echocardiogram		Bank, Colin	City Center Hospital
02/14/2013 9:38 PM	Radiology	Chest Single Frontal		Grant, Alan	City Center Radiology
04/02/2012 11:51 PM	Pathology	Blood Culture Bacterial	Abnormal	Bank, Colin	City Center Hospital
09/24/2012 6:10 AM	Laboratory	A1C	Abnormal	Grant, Alan	City Center Clinic
10/14/2012 9:38 PM	Laboratory	Glucose		Grant, Alan	City Center Clinic
11/02/2012 6:10 PM	Laboratory	Lipid Panel	Abnormal	Grant, Alan	City Center Clinic
11/02/2012 6:10 PM	Laboratory	A1C	Abnormal	Grant, Alan	City Center Clinic

← Previous 1 Next →



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[List](#) [Timeline](#)

[Save to Desktop](#)
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[Send](#)

- Patient Summary
- Test Results
- Medications
- Encounters
- Clinical Summaries
- Patient Referrals

Medications

Showing: [All](#) [Inpatient](#) [Outpatient](#) [ER](#)

🔒 Additional Records May Be Available +

Allergies Click column titles to sort

Date	Description	Severity
01/31/2013	Pollen	Unknown/Not Provided
01/31/2013	Penicillin V Potassium	Severe
11/02/2012	Strawberries	Mild

Medical Alerts Click column titles to sort

Type	Alert Information
Non-Compliance	Simvastatin (Zocor)
Non-Compliance	Lisinopril HCTZ (Prinzide)

Medication History Click column titles to sort

[Query Medication History](#)

Medication History	Therapeutic Class	Dose	Quantity	Last Fill	Provider
Metformin (Glucophage)	Hypoglycemic	500 mg	90	05/15/2013	Colin Bank
Metformin (Glucophage)	Hypoglycemic	500 mg	90	10/01/2012	Colin Bank
Lisinopril HCTZ (Prinzide)	Ace Inhibitor	12.5 mg / 10 mg	30	12/10/2012	Colin Bank
Simvastatin (Zocor)	Antihyperlipidemic	40 mg	30	12/10/2012	Alan Grant
Simvastatin (Zocor)	Antihyperlipidemic	40 mg	30	10/01/2012	Alan Grant
Acetaminophen-Hydrocodone (Norco)	Opioid Analgesic	325 mg / 10 mg	30	04/27/2009	Alan Grant

You have gone full screen. [Exit full screen \(F11\)](#)



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Additional Records May Be Available



Problems Click column titles to sort

Filter / Search

View

10 25 All

Description	Last Reported	Facility	Code
Diabetes Mellitus Type 2, Lower Leg Pain	02/04/2013	Metro South	250, 729.5
Dyspnea, CHF	04/20/2013	City Clinic	786.0, 428.0
Hypertension	02/02/2013	City Clinic	401.9
Diabetes Mellitus Type 2	01/12/2013	Metro South	250.0
Urinary Tract Infection	12/24/2012	Metro South	599.0
Diabetes Mellitus Type 2	12/02/2012	Metro South	250.0
Open wound of finger(s), complicated	05/13/2012	Metro South	883.1

← Previous

1

Next →

Encounter History Click column titles to sort

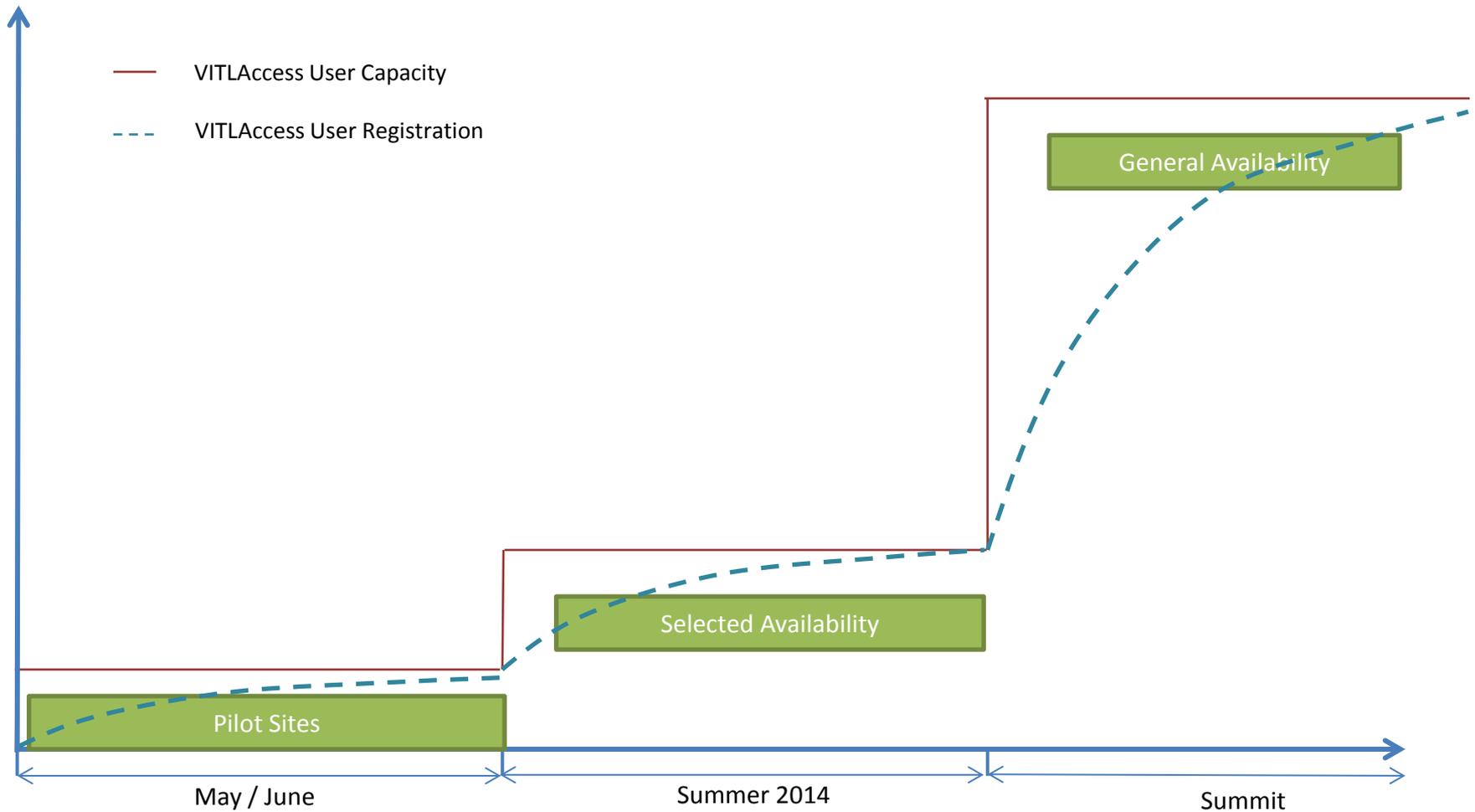
Filter / Search

View 10 25 All

Date	Patient Class	Problems	Facility	Provider	
02/20/2013	INPATIENT	Hematuria	Metro South	Albert Phines	Encounter Detail
02/02/2013	OUTPATIENT	Pain in Limb	Metro South	Colin Bank	Encounter Detail
01/04/2013	EMERGENCY	Dyspnea, CHF	Metro South	John Matthews	Encounter Detail
11/02/2012	OUTPATIENT	Hypertension	Metro South	Alan Grant	Encounter Detail
08/21/2012	OUTPATIENT	Diabetes Mellitus Type 2	Metro South	Colin Bank	Encounter Detail
07/07/2012	OUTPATIENT	Hypertension	Metro South	Robert Jacobs	Encounter Detail
05/05/2012	OUTPATIENT	Sore Throat	Metro South	Clarissa Berg	Encounter Detail
06/19/2011	OUTPATIENT	Diabetes Mellitus Type 2	Metro South	Colin Bank	Encounter Detail
04/25/2009	INPATIENT	Hematuria	Metro South	Jean Jacobs	Encounter Detail
04/20/2009	EMERGENCY	Open wound of finger(s), complicated	Metro South	Carla Bentley	Encounter Detail



VITLAccess Roll-out Phases



VITLAccess

Questions?

