



Northern Counties Health Care, Inc.

COMPLETE, COMPASSIONATE CARE FOR THE WHOLE FAMILY, IN OUR HOME OR YOURS.

Automated Data Capture for Quality Reporting at NCHC



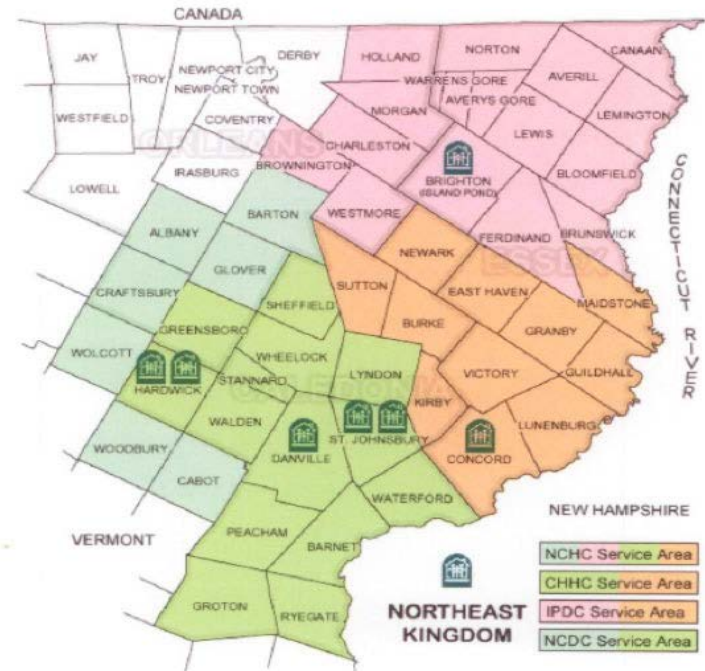


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About NCHC

- In 1976, Northern Counties Health Care was established as the first Federally Qualified Health Center (FQHC) in Vermont.
- Five Practices, 26 Providers
- Implemented GE Centricity in May 2015
- Implemented InDxLogic in January-March 2016.





Transform document based data into interfaced data

Quality metrics are critical:

- PCMH
- UDS/FQHC
- ACO
- Quality based reimbursement

Agency Metrics						
Month	Percent Pediatric BMI >= 85th Percentile	Percent Pediatric BMI >= 85th Percentile Counseled 5-2-1-0	Percent Cervical Cancer Screening	Percent Breast Cancer Screening	Percent Colon Cancer Screening	Percent Pneumococcal Immunization
		<i>Goal: 75%</i>	<i>Goal: 93%</i>	<i>Goal: > 80%</i>	<i>Goal: > 70%</i>	<i>Goal: 90%</i>
12-Jun	38.10%	58.20%	82.50%	76.90%	64.40%	80.90%
Joseph Demo, MD						
Month	Percent Pediatric BMI >= 85th Percentile	Percent Pediatric BMI >= 85th Percentile Counseled 5-2-1-0	Percent Cervical Cancer Screening	Percent Breast Cancer Screening	Percent Colon Cancer Screening	Percent Pneumococcal Immunization
		<i>Goal: 75%</i>	<i>Goal: 93%</i>	<i>Goal: > 80%</i>	<i>Goal: > 70%</i>	<i>Goal: 90%</i>
12-Jun	45.20%	68.40%	87.40%	77.60%	69.50%	95.20%
12-May	44.40%	65.00%	84.20%	78.40%	69.00%	91.90%
12-Apr	42.20%	63.20%	80.20%	78.40%	68.20%	90.30%
12-Mar	43.50%	50.00%	80.20%	82.00%	69.70%	90.20%

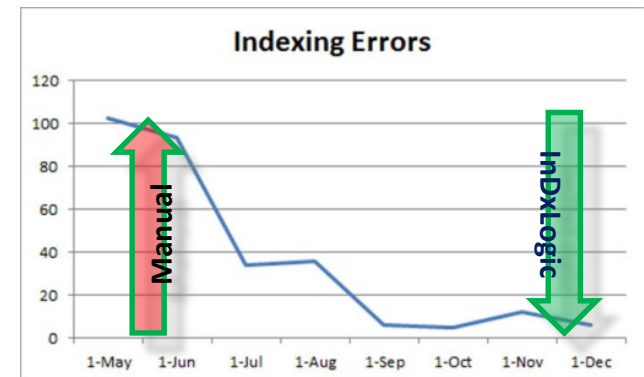




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Manual entry of data is costly and error prone

- Labor intensive, expensive
- ~4500 documents per month
- ~55% of all documents have clinical data
- FTE services better directed towards patient care



COMMUNITY HEALTH CENTER
FQHC
QUALITY SM



Data Entry

Dartmouth-Hitchcock Medical Center *Endoscopy*

Procedure Performed:
Colonoscopy

Indications:
Screen for colon cancer/polyps.

Findings:
The exam was normal without evidence of diverticulosis, normal vascular and mucosal appearance with the normal colon to the Cecum.



We need clinical data to flow into the EMR regardless of the source !!





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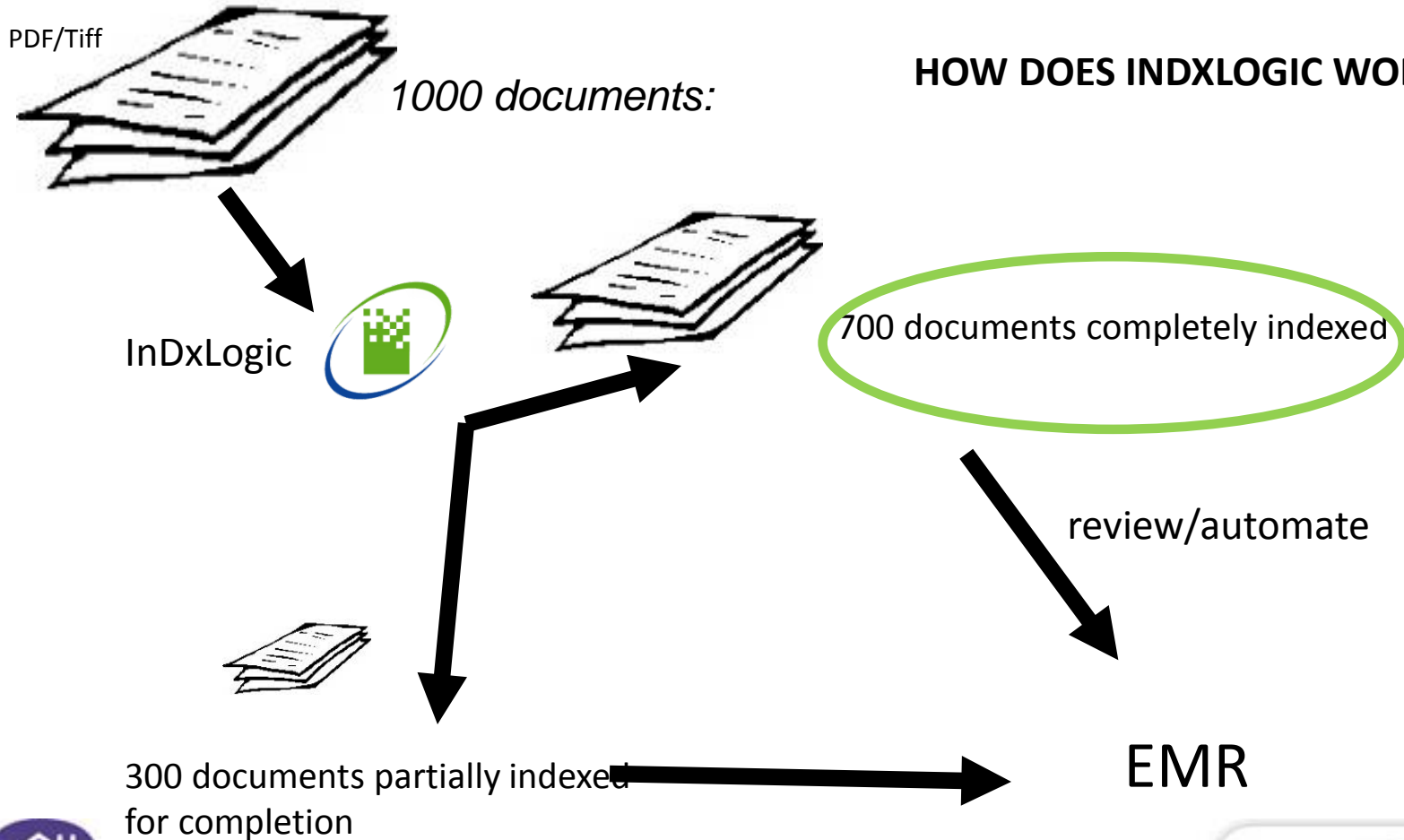
The solution: Document Indexing and Data Management using InDxLogic

- Improves Efficiency
- Automates Data Capture
- Reduces Data Entry Error
- Allows us to redirect staff on patient-centric tasks





HOW DOES INDXLOGIC WORK?





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Where we started:

- 1 pilot site located on the same campus as the scanning team
- Added 2 more sites that were close by – received documents via interoffice mail daily
- Added final 2 sites that were the farthest from the scanning team – set up scanners at the sites to enter documents into shared folders that InDxLogic Superuser could process directly from folders





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Process for document Identification

- InDxLogic Finds the Patient – matches by name and/or Date of Birth
- InDxLogic Finds the Document Type – consultation, imaging, hospital discharge
- InDxLogic Finds the Data and populates flow sheets– mammogram, colonoscopy
- **InDxLogic Finds the result and populates flow sheet – Advanced Directives, Bone Density, Diabetic Eye Exams, HPV Results, Mammos, Pap Results**
- InDxLogic Closes orders





Example of Data in Flow sheet

Current discreet data:

- Prior to INDXLOGIC, 5% of patients colonoscopy collected, vs. post INDXLOGIC implementation, 75% of patients data collected.
- Other data capture that impacts quality-based incentive payments...

Patient name: [redacted]
 Properties: Endoscopy at SJCHC on 08/24/2016 11:59 PM by I [redacted]
 Doc ID: 150

Patient:
 ID: InDxLogicLab 00001834103
 Note: All result statuses are Final unless otherwise noted.

Tests: (1) Colonoscopy ()
 COLONOSCOPY DONE *1

Id: 54297136

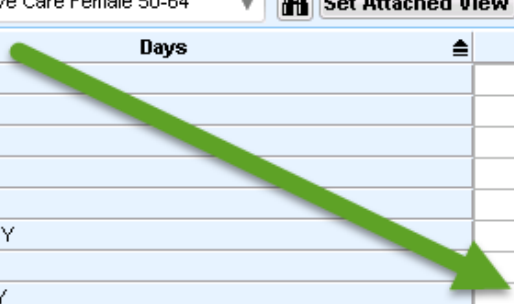
Note: An exclamation mark (!) indicates a result that was not dispersed into the flowsheet.
 Document Creation Date: 08/30/2016 2:36 PM

Flowsheet

Graph | Organize | Edit | Medscape General Search

View Preventive Care Female 50-64 Set Attached View Use Date Ran

Days	08/24/2016
PAP SMEAR	
LAST PAP DAT	
PAP DUE	
PAPGENERCAT	
PT DCLN PAP	
HYSTERECTOMY	
NO PAP REASN	
COLONOSCOPY	DONE



(1) Order result status: Final





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Data Captured Automatically

- Advanced Directives
- Behavioral Health
- Cardiology
- Consultation Report
- Emergency Report
- EKG
- Endoscopy
- External Correspondence
- Forms
- Home Health/Hospice
- Hospital Admission
- Hospital Discharge Summary
- Hospital History & Physical
- Hospital Procedure
- Imaging Report (CT, MRI, X-ray)
- Operative Report
- Pathology Report
- Prior Approval for Insurances
- Rehab Report
- Rx Refills

And more...





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Advantages:

- Manage high volumes with existing staff
- Efficient clinical data collection
- Improved patient care
- Reduce errors
- More free time to help with our Quality Initiatives





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Improvements Over Time:

Northern Counties Healthcare - Document Statistics

1 Apr 2016



30 Apr 2016



Apply Filter

Generated at 3:07 PM Central Time on 14 Sep 2016 (1 Apr 2016 - 30 Apr 2016)

Description	# Docs	%
Documents Auto Matched	1,147	57.61 %
Patients Auto Matched	1,723	86.54 %
Patients & Documents Auto Matched	1,017	51.08 %
Patients & Documents Auto Indexed	183	9.19 %
Documents Submitted	1,991	

The numbers in this report are not to be used for financial purposes.

The data in this report can be up to 15 minutes old.

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Northern Counties Healthcare - Document Statistics

15 Aug 2016



14 Sep 2016



Apply Filter

Generated at 3:10 PM Central Time on 14 Sep 2016 (15 Aug 2016 - 14 Sep 2016)

Description	# Docs	%
Documents Auto Matched	2,452	58.89 %
Patients Auto Matched	3,309	79.47 %
Patients & Documents Auto Matched	2,156	51.78 %
Patients & Documents Auto Indexed	1,431	34.37 %
Documents Submitted	4,164	

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Questions.....

