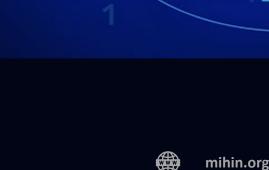
February 22, 2023

Bits & Bytes

A monthly workshop where stakeholders can connect directly with MiHIN's solutions' designers & managers







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Today's Agenda





Emergency Department Optimization

Nancy Sehy, Clinical Solutions Lead with Collective Medical Technologies, a PointClickCare Company



Dynamic Discussion





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Michigan Health Information Network Shared Services (MiHIN) is a

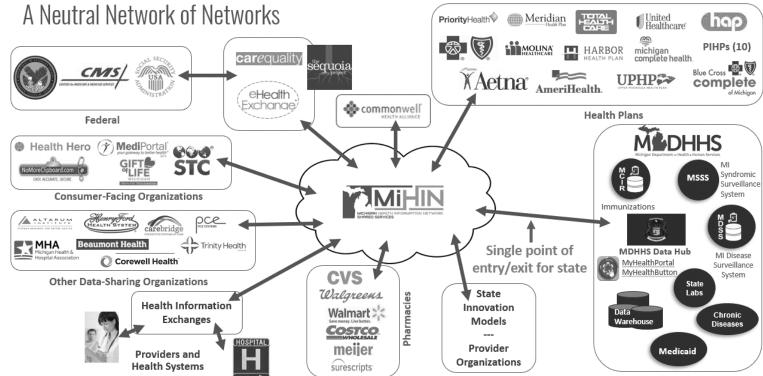
collaboratively governed, non-profit organization providing the technology and services to connect disparate care sectors, *our stakeholders*, to securely, legally and technically share health information.

An unbiased data trustee, MiHIN does not provide health care services, produce health care data or compete in the marketplace.

Instead, we convene to share vital health information to advance care, better outcomes and lower costs.

Copyright 2023





Technology is a tool; humans are the energy!

Technology is meant to support the human ability to connect, communicate, collaborate and make informed decisions.





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help@mihin.org



Technological Infrastructure + Human Infrastructure

Real impact will move at the speed of trust.

Joanne B. Jarvi

Senior Director of Outreach and Market Communications MiHIN

Joanne.Jarvi@mihin.org

Communication, the successful conveying or sharing of ideas, is more critical than ever.

Every communication involves (at least) one sender, a message and a recipient.

FOR ANY DATA **EXCHANGE: WHAT ARE WE TRYING TO COMMUNICATE AND WHY?**



- Joanne Jarvi (Facilitator)
- **Carlye Maher (**Webex Chat Moderator**)**

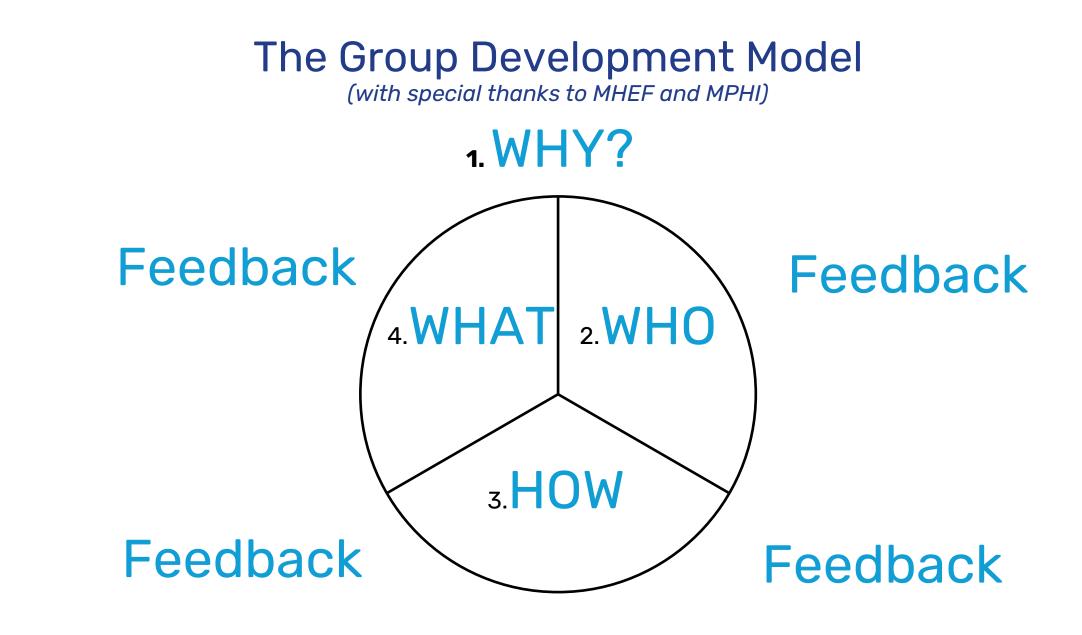








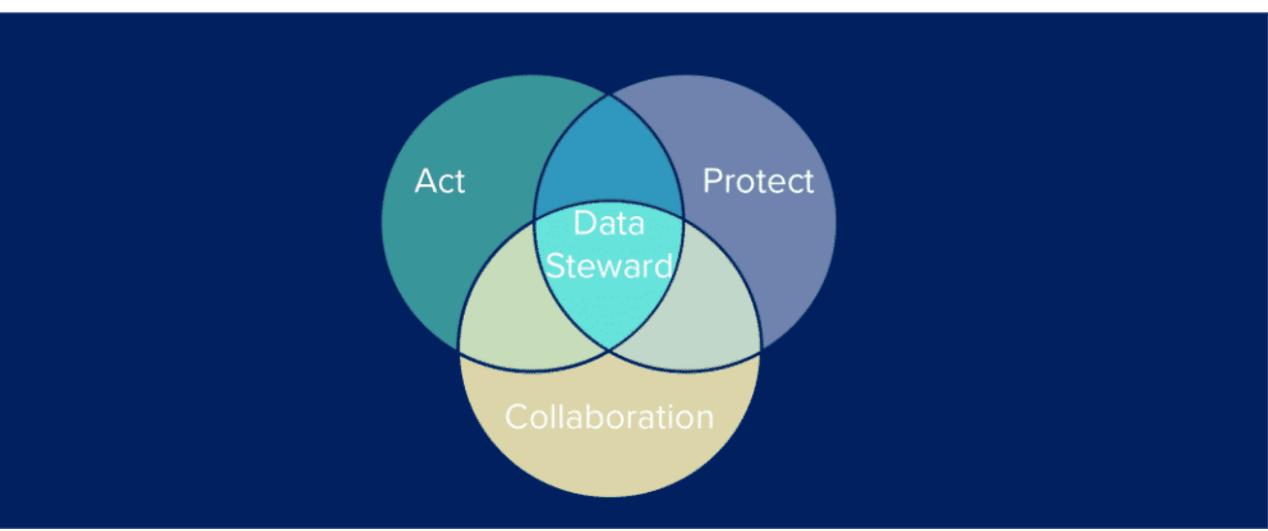
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Data for Good









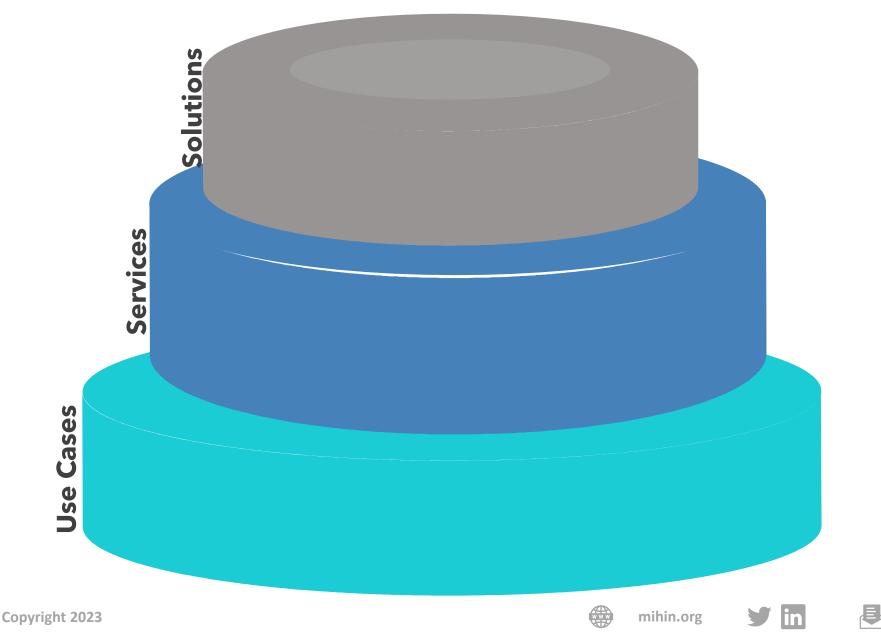
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The WHAT:

The Use Case determines the Service which can be operationalized by the Solution



ICHIGAN HEALTH INFORMATION NETWORK

RED SERVICES



Nancy Sehy, BSN, RN, CHPCA Clinical Solutions Lead



Nancy Sehy, Clinical Solutions Lead with Collective Medical Technologies, a PointClickCare Company, is a Registered Nurse with over 27 years of experience in healthcare and leadership. She also has an interest in education, serving on the Board of Directors for the Illinois Hospice and Palliative Care Organization for over 9 years.

Her broad background in long term care, acute care, and home care drives her desire to work with customers to help create smooth care transitions for patients. Nancy developed and implemented a palliative care program in her health system, with a focus on patients at high risk, and a goal of improving patients' ability to manage their health successfully in the community setting. As a result, there was an 80% reduction in ED visits and a 60% reduction in hospital readmissions.

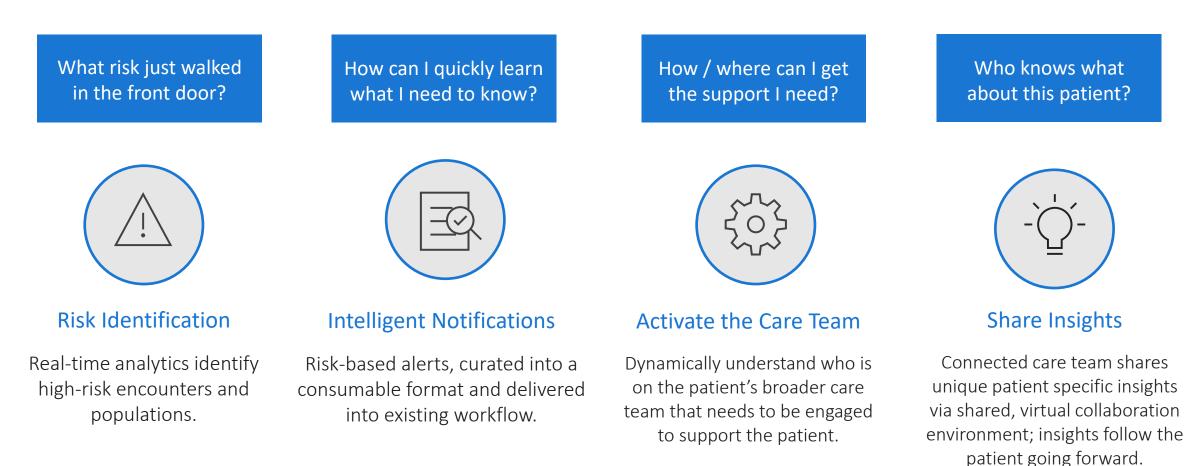
In her current role, Nancy is using her healthcare background to help support and strengthen the use of Collective and PointClickCare's innovative care collaboration platforms, which are designed to enhance communication and collaboration, driving meaningful care and quality outcomes for both patients and providers.





PointClickCare°

How does the PointClickCare platform improve care collaboration for the ED?



PointClickCare[®]

Workflow Integration – ED Example



Basic demographic information is entered into the hospital's EMR at the time of triage Collective receives and crossreferences the patient information with our nation-wide network If the patient meets pre-defined risk criteria, a notifications will be pushed to the provider workflow. The provider can take appropriate action with this information.

PointClickCare[®]

EDO Criteria for MI and Notifications

Standard ED Notification Criteria

5+ ED Visits in 12 months

3+ ED Locations in 90 days

Care Insights

Safety & Security Events

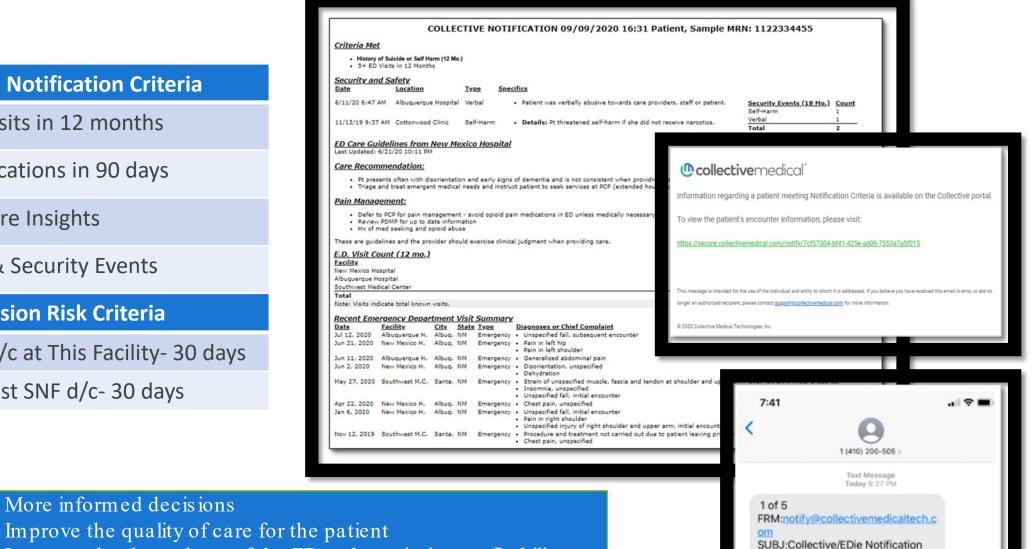
Readmission Risk Criteria

ED Visit Post IP d/c at This Facility- 30 days

ED Visit Post SNF d/c- 30 days

Impacts:

More informed decisions



MSG:ALL ED Visits. Login for

details.



ED Visit Post IP Discharge at any facility - 30 days

ED Visit Post SNF Discharge - 30 days

ED providers and care coordinator/discharge planners can have immediate insight into the patient's recent encounters that could affect the risk for readmission.

ED providers are aware if a patient had an admission at a SNF within the past 30 days or a recent inpatient admission to help prevent a readmission after discharge from this visit.

ED can contact the correct provider, review exact records needed, and can evaluate the patient with a different lens to determine the appropriate treatment plan.



The PointClickCare Network – Accessing Shared Information

Information from each of these sources can be accessed by care team members in one of two ways:



Real-time PointClickCare notifications, delivered directly to providers at the point of care

- ER Providers and Staff review the notification within workflow
- Do not login to or document in portal on routine basis

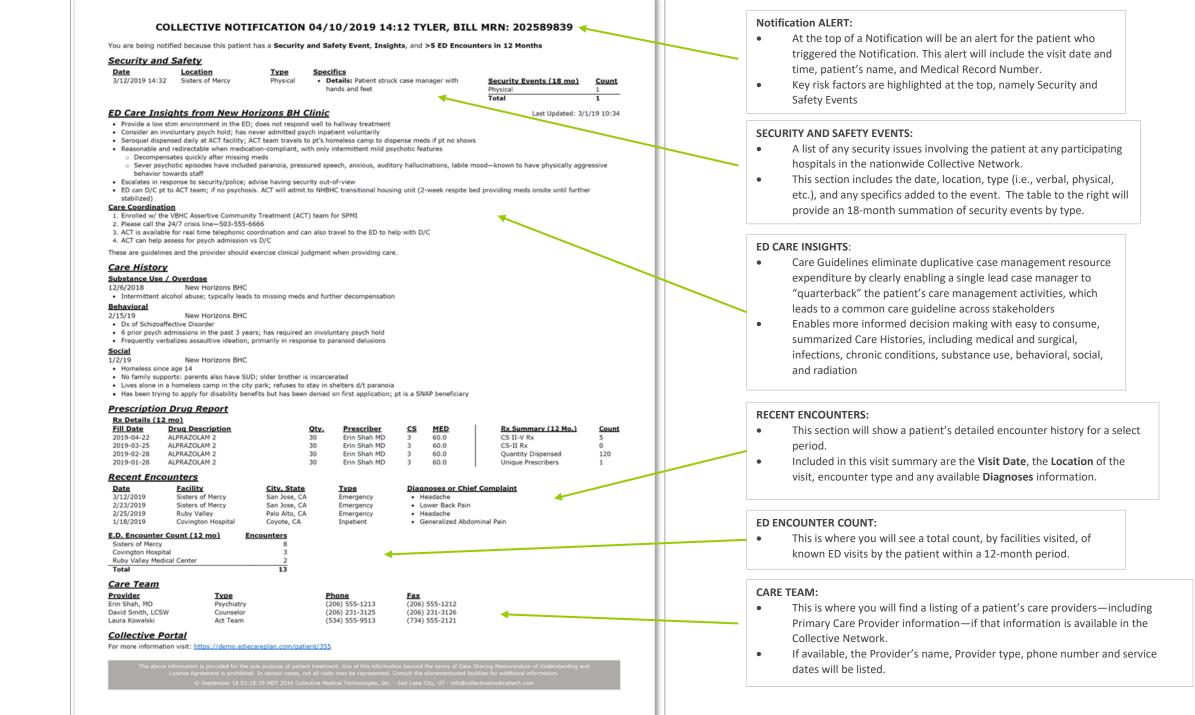




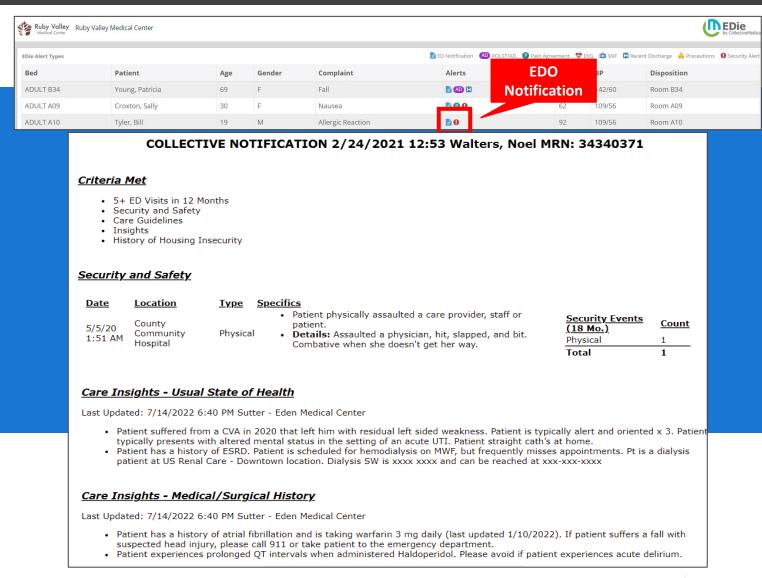
Logging into the web-based PointClickCare platform

- Case managers, social workers, and/or community partners receive a notification within workflow (text, email, printer, or EHR)
- Login to the portal for patient information, documentation and updated care insights
- Information shared on network and shared on the notification that is surfaced to the providers at the point of care

PointClickCare



Collective Systems Integration



ED Track Board Integration





PCC Systems Integration







COLLECTIVE NOTIFICATION 04/10/2019 14:12 TYLER, BILL MRN: 202589839

You are being notified because this patient has a Security and Safety Event, Insights, and >5 ED Encounters in 12 Months

Security and Safety

Date	Location	Type	Specifics		
3/12/2019 14:32	Sisters of Mercy	Physical	 Details: Patient struck case manager with 	Security Events (18 mo)	9
			hands and feet	Physical	

ED Care Insights from New Horizons BH Clinic

- · Provide a low stim environment in the ED; does not respond well to hallway treatment
- Consider an involuntary psych hold; has never admitted psych inpatient voluntarily
- Seroquel dispensed daily at ACT facility; ACT team travels to pt's homeless camp to dispense meds if pt no shows
- Reasonable and redirectable when medication-compliant, with only intermittent mild psychotic features
- Decompensates quickly after missing meds
- Sever psychotic episodes have included paranoia, pressured speech, anxious, auditory hallucinations, labile mood—known to have physically aggressive behavior towards staff
- · Escalates in response to security/police; advise having security out-of-view
- ED can D/C pt to ACT team; if no psychosis. ACT will admit to NHBHC transitional housing unit (2-week respite bed providing meds onsite until further stabilized)

Care Coordination

- 1. Enrolled w/ the VBHC Assertive Community Treatment (ACT) team for SPMI
- 2. Please call the 24/7 crisis line-503-555-6666
- 3. ACT is available for real time telephonic coordination and can also travel to the ED to help with D/C
- 4. ACT can help assess for psych admission vs D/C

These are guidelines and the provider should exercise clinical judgment when providing care.

<u>Care History</u>

Substance Use / Overdose

12/6/2018 New Horizons BHC

· Intermittent alcohol abuse; typically leads to missing meds and further decompensation

Behavioral

2/15/19 New Horizons BHC

- Dx of Schizoaffective Disorder
- 6 prior psych admissions in the past 3 years; has required an involuntary psych hold
 Frequently verbalizes assaultive ideation, primarily in response to paranoid delusions
 - •

<u>Social</u> 1/2/19

- 1/2/19 New Horizons BHC • Homeless since age 14
- · No family supports: parents also have SUD; older brother is incarcerated
- · Lives alone in a homeless camp in the city park; refuses to stay in shelters d/t paranoia
- Has been trying to apply for disability benefits but has been denied on first application; pt is a SNAP beneficiary

Prescription Drug Report

<u>Rx Details (12 mo)</u>						
Fill Date	Drug Description	<u>Qty.</u>	<u>Prescriber</u>	<u>cs</u>	MED	Rx Summary (12 Mo.) Count
2019-04-22	ALPRAZOLAM 2	30	Erin Shah MD	3	60.0	CS II-V Rx 5
2019-03-25	ALPRAZOLAM 2	30	Erin Shah MD	3	60.0	CS-II Rx 0
2019-02-28	ALPRAZOLAM 2	30	Erin Shah MD	3	60.0	Quantity Dispensed 120
2019-01-28	ALPRAZOLAM 2	30	Erin Shah MD	3	60.0	Unique Prescribers 1

Recent Encounters

Date	Facility	City, State	Type	Diagnoses or Chief Complaint
3/12/2019	Sisters of Mercy	San Jose, CA	Emergency	Headache
2/23/2019	Sisters of Mercy	San Jose, CA	Emergency	 Lower Back Pain
2/25/2019	Ruby Valley	Palo Alto, CA	Emergency	 Headache
1/18/2019	Covington Hospital	Coyote, CA	Inpatient	 Generalized Abdominal Pain
E.D. Encounte	r Count (12 mo)	Encounters		
Sisters of Mercy	/	8		

Phone

Covington Hospital Ruby Valley Medical Center Total

<u>Care Team</u>		
Provider	Type	
Erin Shah, MD	Psychiatry	
David Smith, LCSW	Counselor	

 1000
 1000

 (206) 555-1213
 (206) 555-1212

 (206) 231-3125
 (206) 231-3126

 (534) 555-9513
 (734) 555-2121

Fax

Collective Portal

Laura Kowalski

For more information visit: https://demo.ediecareplan.com/patient/355

Act Team

ense Agreement is prohibited. In certain cases, not all visits may be represented. Consult the aforementioned facilities for additional informa

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<u>Count</u>

Last Updated: 3/1/19 10:34

Total

Emergency Department Optimization (EDO) Demonstration

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Questions/Next Steps

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Success Stories

• St. Anthony achieved a 50% reduction in unnecessary ED encounters from patients identified as frequent users of the ED within six months, a 66% reduction in LWBS rates within 18 months, and \$200,000 in cost savings within the program's first year.

• Legacy Salmon Creek Medical Center achieved an 81% reduction in the ED encounter rate by high utilizers within 18 months, and a reduction in ED encounters by patients with high ED utilization from 3,081 per year to 573.

• In the first year of the program for the State of Washington, Medicaid ED costs fell by nearly \$34 million through a reduction in ED visits. ED visits by Medicaid patients declined by nearly 10%, with rates of visits by high utilizers (5+ visits/year) declining by approximately 11%. For less serious conditions, the visit rate decreased by more than 14% over the year. Finally, visits resulting in the prescription of controlled substances fell by 25% for the Medicaid population.



Appendix

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Embedded Workflow - Collective Integration via SMART on FHIR

- Direct integration of the Collective Platform within the EMR for content contribution and notification
- Documentation of Security Events, Care Guidelines and Insights from within the EMR is auto-invoked into the Collective Portal
- Role based access expands the scope of users and engagement for increased coordination of care

Collective Report

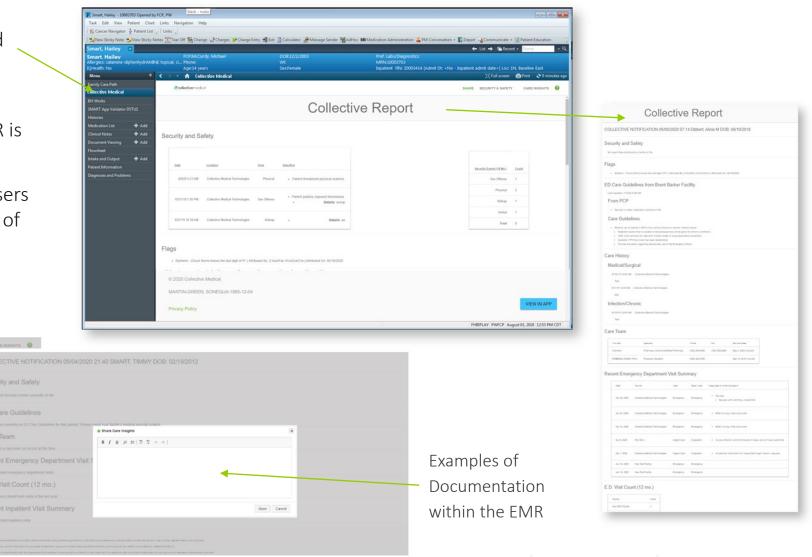
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• Easier auditability of user interaction and notifications

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A PointClickCare Company

AUDACIOUS

INQUIRY

PointClickCare[®]



Interested in working with MiHIN?

The first step is to **identify a use case** with a manageable scope that can grow incrementally.

Does my organization have health data that other members of the care team would find valuable or vice versa?

Why do I want to share the data?

What is the data going to be used for?

From there, let's work together to identify policy or governance challenges and figure out how to create a technology solution to enable that data sharing.

What use cases has my organization onboarded to? How is it working for us? What is the value?





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The Data of Advance Care Planning Workshop Series

Workshop #1 – Environmental Scan & Historical Roles Thursday, March 16, 2023 3:00-5:00 PM EST

The Michigan Health Information Network Shared Service (MiHIN), as the state designated entity for health information exchange and a lead entity in our state's 5- year HIT Plan, is responsible for understanding the current state of information flow to support end of life care.

Join the workshops to level set on:

- Who is MiHIN, and what role has MiHIN played in ACP to date?
- Historical development of ACP in Michigan and nationally
- Current literature on ACP outcomes
- Difference between ACP as a process and ACP data movement

The goal of these workshops are to understand, from care teams, nurses, doctors, payers and hospital perspectives, what data/documents are important to make available to clinicians, along with when, how and why.





