

A hand is shown holding a cigarette that has been broken in half. The cigarette is held horizontally, with the two halves meeting at the center. The background is a solid, dark blue color. The lighting is soft, highlighting the texture of the cigarette paper and the hand.

Bits & Bytes
April 2025

**Transforming Tobacco
Cessation Referrals**



Meet Our Speakers



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Agenda

- What is MiHIN
- What is the Tobacco Free Use Case
- Message Content
- Data Flow
- Technical Requirements



Michigan Health Information Network Shared Services (MiHIN)

MiHIN is Michigan's state-designated entity to continuously improve healthcare quality, efficiency, and patient safety by promoting secure, electronic exchange of health information. MiHIN represents a growing network of public and private organizations working to overcome data sharing barriers, reduce costs, and ultimately advance the health of Michigan's population.



Goals of Health Information Exchange

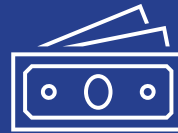
Reduced inefficiencies



Improved healthcare access



Lower healthcare costs



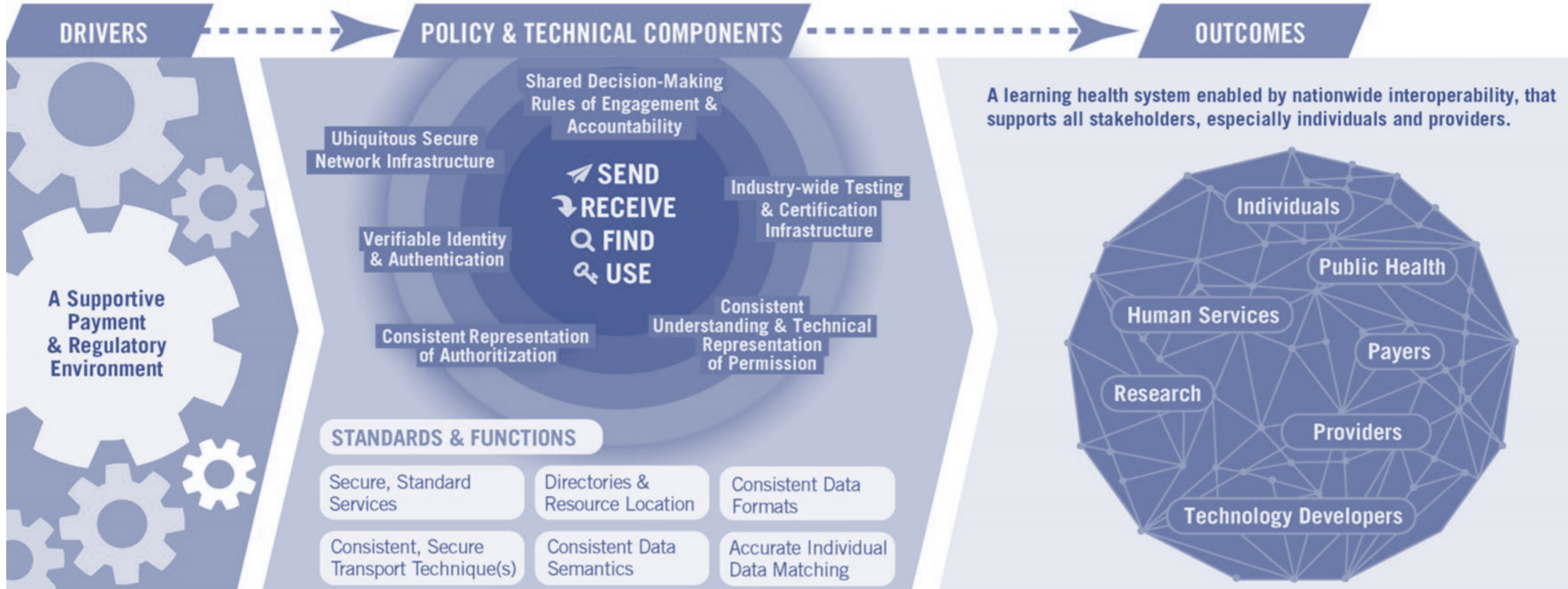
Better quality of care & health outcomes



Personalized medicine for patients



Enabling a Learning Statewide Healthcare Ecosystem



“Connecting Health and Care for the Nation: A Shared Nationwide Interoperability Roadmap.” The Office of the National Coordinator for Health Information Technology.” Final Version 1.0.



The Tobacco Free Data Exchange Solution supports creation of an electronic referral system that enables electronic coordination between case management systems and healthcare providers' electronic health records (EHRs).

Message Content

Message Content means using a Consolidated-Clinical Document Architecture (C-CDA) template, either a Continuity of Care Document (CCD) or a Progress Note (PN).

- Sent in an xml format. The style sheet is not required.
- CCD message must be sent as an XDM.zip file.
 - Note: This encoding occurs automatically with most HISP vendors upon sending.
- C-CDA files can be sent via Direct as email attachments. Every email must adhere to the following:
 - There shall only be one C-CDA file attached per email and,
 - Emails shall not have any carbon copies (CCs)

Message Segment and Field Definitions

C-CDA Template	Required Sections	Optional Sections
General Header Template ID 2.16.840.1.113883.10.20.22.1.1	<ul style="list-style-type: none"> US Realm Header Record Target (Patient) <ul style="list-style-type: none"> Patient ID Patient Address Patient Phone Patient Name Gender Date of Birth Language Clinical Document Code Documentation of Service Event Author (person or device) Custodian (document steward) 	<ul style="list-style-type: none"> Record Target (Patient) <ul style="list-style-type: none"> Guardian Birthplace Language Communication Provider Organization Data Enterer <ul style="list-style-type: none"> Informant Information Recipient Legal Authenticator Authenticator Participant Support In Fulfillment Of <ul style="list-style-type: none"> Authorization / Patient Consent Encounter (Component Of)
Continuity of Care Document (CCD) Template ID 2.16.840.1.113883.10.20.22.1.2	<ul style="list-style-type: none"> Medication Medication Allergies Problem List Procedures Results 	<ul style="list-style-type: none"> Advance Directives Encounters Family History Functional Status Immunizations Medical Equipment Payers Plan of Care Social History Vital Signs
Progress Note Template ID 2.16.840.1.113883.10.20.22.1.9	<ul style="list-style-type: none"> Assessment and Plan -or- Assessment Plan of Care* 	<ul style="list-style-type: none"> Allergies Chief Complaint Instructions Interventions Medications Objective Physical Exam Problem List Results Review of Systems Subjective

*Section marked by an asterisk is optional for CCDs and may not be available for all EHR vendors.
 Table 1. NAQC's C-CDA Templates Used for eReferrals

Message Segment and Field Definitions

C-CDA Template	Required Sections	Optional Sections
Progress Note Template ID 2.16.840.1.11383.10.20.22.1.9	<ul style="list-style-type: none"> • Assessment and Plan -or- • Assessment • Plan of Care 	<ul style="list-style-type: none"> • Allergies • Chief Complaint • Instructions • Interventions • Medications • Objective • Physical Exam • Problem List • Results • Review of Symptoms • Subjective • Vital Signs

*Section marked by an asterisk is optional for CCDs and may not be available for all EHR vendors.
 Table 1. NAQC's C-CDA Templates Used for eReferrals

Tobacco Free Process

1

A patient has a visit with their provider and discusses participating in a tobacco cessation program. The provider sends a visit summary (CCDA) to MiHIN via DSM.

2

MiHIN receives the CCDA and sends the CCDA to National Jewish Health.

3

National Jewish Health meets with the patient and sends the CCDA referral (from the visit) back to MiHIN via DSM.

4

MiHIN receives progress note with CCDA.

5

MiHIN sends the CCDA referral to the patient's provider.



Technical Requirements

Supported Transport Mechanism

- **Direct Secure Messaging (DSM)**
 - Must be EHNAC-DTAAP accredited

Direct Secure Messaging Addresses

- For non-production:
 - tobaccofreereferrals.test@direct-test.mihin.org
- For production
 - tobaccofreereferrals@direct.mihin.net

DSM Message Format

- Outbound C-CDA files will be attachments to Direct email messages.
 - There will be only one C-CDA file attached per email.
- MiHIN does not require an ACK response message.

DSM Message Example

- To enter fully into production for the Tobacco Free use case scenario, messages must conform to the North American Quitline Consortium (NAQC) eReferral Implementation Guide, entitled *Guide for Implementing eReferral Using Certified EHRs*. It can be found online at:
 - <http://c.ymcdn.com/sites/www.naquitline.org/resource/resmgr/eRef/eReferraltechnicalguide2015f.pdf>

What's Next?

- Contact your account manager or help@mihin.org to learn more about MiHIN's Tobacco Free Use Case
- Additional Resources:
 - [Tobacco Free Use Case](#)
- Contact Information
 - Joanne.Jarvi@mihin.org
 - Megan.Gibbs@mihin.org



Questions?



THANK YOU

LET'S CONNECT



mihin.org



[@MiHIN](https://twitter.com/MiHIN)



linkedin.com/company/mihin