



Cancer Notifications

Implementation Guide

Version 26
June 2024

Document History

Date	Version	Sections Revised	Description	Modifier
04/11/19	24	All	Revised into new style	S. Southard
04/16/24	25	All	Revised into new style	T. Fite
06/16/24	26	All	Branding/formatting	E. Mata

Table of Contents

1. Introduction.....	1
1.1 Purpose of Data Exchange Solution	1
1.2 Message Content.....	2
1.3 Data Flow.....	2
1.3.1 Functional Data Flow.....	2
2 Onboarding Process.....	3
2.1 Prerequisites	3
2.1.1 Universal Legal Prerequisites.....	3
2.1.2 Technical Requirements.....	3
2.2 Cancer Notifications Onboarding Process.....	4
2.3 Technical Connectivity Process.....	4
2.3.1 Onboarding Additional Sending Facilities.....	6
3 Specifications.....	7
3.1 Overview.....	7
3.2 General Message Requirements.....	7
3.2.1 Message Trigger Events.....	7
3.2.2 Direct Secure Messaging Submission Specifications.....	7
3.3 Specific Segment and Field Definitions.....	7
3.3.1 Required Message Fields	7
3.3.2 Segment 1 – Message Header	8
3.3.3 All Remaining Segments.....	9
4. Production Support.....	10
5. Legal Advisory Language	11
6. Appendix:.....	13
6.1 Appendix A - Message Example	13
7. Acronyms and Abbreviations Guide.....	14
8. Definitions	15

1. Introduction

1.1 Purpose of Data Exchange Solution

Allows for ambulatory or eligible professionals within physician offices, hospitals, clinical laboratories, and dentist offices to electronically send cancer information to the cancer registry without interrupting normal workflow.

Cancer is the second-leading cause of death in the United States. Population-based surveillance is critical to support control activities aimed at reducing cancer morbidity and mortality.

Cancer registries throughout the United States are required to collect complete and timely cancer diagnostic, treatment, and outcome data. This data comes from healthcare providers including hospitals, physician offices, treatment centers, clinics, laboratories, and other facilities.

Sending cancer notifications to a central statewide registry:

- Allows an initial evaluation of cancer incidence within various regions
- Provides a source to baseline incidence data.
- Enables an evaluation of cancer frequency by demographic characteristics such as age, race, and sex
- Generates significant value for researchers in epidemiological case control studies

Cancer notifications are also helpful in planning health education and addressing public health concerns within regions of interest.

It is mandatory in Michigan to report cancer notifications electronically to the state cancer registry. Under the Michigan Cancer Surveillance Program, facilities that diagnose or treat a cancer patient are required to report results to the cancer registry. All hospitals, clinical laboratories, physician offices, dentists and other healthcare providers who have knowledge of a case of cancer must report the case.

Ambulatory care and eligible professionals that send cancer data electronically meet Meaningful Use requirements for Cancer Case Reporting by communicating with a public health agency on a transactional basis.

1.2 Message Content

The Use Case Exhibit (UCE) for this data exchange solution defines message content as all data as defined in the Implementation Guide containing Cancer Notifications.

For the purposes of implementation of this data exchange solution, Message Content means encapsulated CDA in HL7 2.xx, ORU^R01. Cancer Notification Clinical Document Architecture (CDA) documents must be encapsulated into HL7 messages before sending to the state. This is accomplished with an HL7 standard header and an observation segment with the CDA's Base64 encoding inserted.

MiHIN supports HL7 2.x messaging standards. For sending Public Health Reporting messages to state registries, HL7 v2.5.1 or newer version is preferred, however v2.3.1 is allowable.

1.3 Data Flow

1.3.1 Functional Data Flow

In this data exchange solution, MiHIN enables the transport of messages across trusted data sharing organizations (TDSOs) within MiHIN, called “Participating Organizations” in the diagram below.



Figure 1: Workflow Between Participating Organization, MIHIN, and State

For more information about this data exchange solution, refer to the documents at the page below:

<http://mihin.org/cancer-notifications/>

2 Onboarding Process

2.1 Prerequisites

Participating organizations should begin two parallel onboarding tracks simultaneously:

- Obtain, review, and execute legal agreements, and
- Establish technical transport and testing.

2.1.1 Universal Legal Prerequisites

The following legal documentation will need to be executed prior to any connectivity being established between MiHIN and participating organizations.

- Statement of Work (SOW)
- MiHIN's Exhibit A Agreement (Found on the MiHIN Legal Portal)
- Participant Agreement (Found on the MiHIN Legal Portal)
- Must select the appropriate data exchange solution on the MiHIN legal portal in addition to the above agreements.

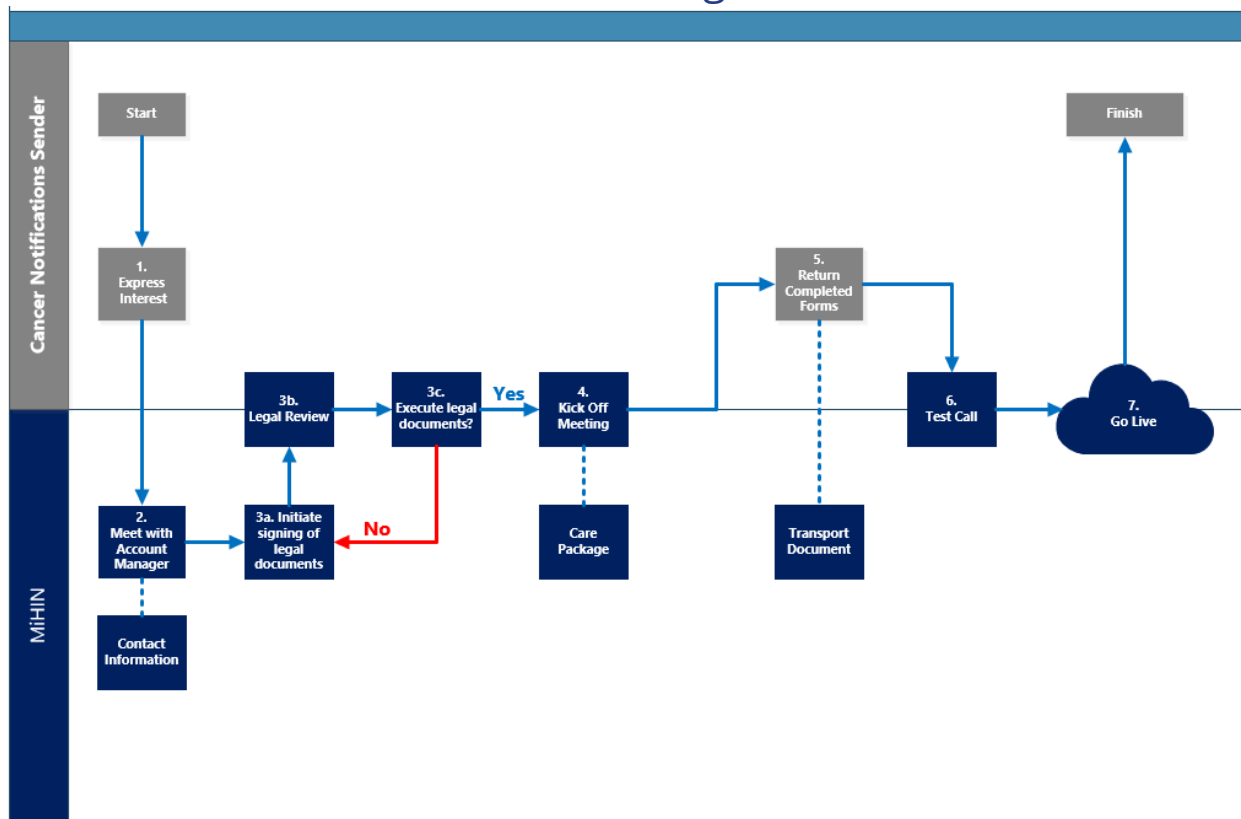
To initiate the legal onboarding contact, email: help@mihin.org.

2.1.2 Technical Requirements

The following data exchange solution implementation and technical requirements will need to be conducted for the Cancer Notification data exchange solution to function

- Ability to establish a VPN or DSM connection with MiHIN
- Ability to receive and ingest notices generated by the State Data Hub upon receipt of cancer notification messages.
- Ability to adhere to message specifications as outlined in section 3 of this guide.

2.2 Cancer Notifications Onboarding Process



- Express interest in participating in the use data exchange solution
- Meet with Account Manager
 - Exchange contact information
- Legal Review
- Execute legal documents
- Kick Off Meeting
- Distribute Cancer Notifications Care Package
- Exchange required documents
 - Transport Document
 - DSM Request Form or
 - VPN Request Form
- Testing
- Go Live

2.3 Technical Connectivity Process

MiHIN considers itself “transport agnostic” and offers multiple options for organizations to establish technical connectivity to transport data to MiHIN.

Organizations should select one or more connectivity methods for message transport based on their technical capabilities, and put in a service request at www.mihin.org/requesthelp. Currently MiHIN accepts the following transport methods:

- **LLP over IPsec VPN** – Lower-Layer Protocol over Internet Protocol Security Virtual Private Network
- **DSM** – Direct Secure Messaging

For VPN connectivity two VPNs are required. A primary VPN will facilitate regular traffic. A secondary will be established for fail-over purposes.

Connectivity between Direct addresses require EHNAC-DTAAP accreditation of Direct HSPs. For more information regarding accreditation see <http://www.directtrust.org>.

Connectivity between HSPs can be confirmed with a sample message (that does not contain protected health information) sent to a non-production address at MiHIN.

Additional transport methods may be added in the future. These can include NwHIN, XCA, REST/RESTFUL APIs, FHIR, and others.

The following steps describe the technical onboarding process. However, MiHIN typically conducts “onboarding kickoff” meetings with new participating organizations to go through each of these steps in detail and answer any questions.

1. The participating organization selects one or more supported transport methods and establishes connectivity with MiHIN. This step varies based on the method selected:
 - a. LLP over IPsec VPN – MiHIN's site-to-site VPN request form must be completed, sent and approved by MiHIN. Send an email via www.mihin.org/requesthelp to obtain the VPN request form. A pre-shared key is then exchanged between the participating organization and MiHIN to initialize the connection. The LLP over IPsec VPN is the most efficient transport for very high volumes of messages.
 - b. Direct Secure Messaging – MiHIN accepts Direct Secure Messages from Health Internet Service Provider (HSPs) that have EHNAC-DTAAP (DirectTrust) accreditation. Test messages are sent to verify HSP connectivity (“ping pong”). The Message Header section in the test messages is verified for appropriate routing configuration.
2. Test messages are sent by the participating organization to MiHIN.
 - a. All test messages must have a “T” in the Message Header – field 11

- b. Test traffic is routed via MiHIN to the appropriate destination. For cancer notifications, the destination is the cancer registry via the state data hub.
 - c. The end destination monitors for inbound test traffic and confirm receipt with MiHIN, which confirms with the participating organization.
- 3. The sending facility will enter into Data Quality Assurance (DQA) status once they have successfully received a properly formatted message from the sending facility via the participating organization through MiHIN.
 - a. Until completion of the DQA process, sending facilities should continue to dually send through MiHIN as well as continuing to send using any current method.
- 4. MiHIN declares the sending facility to be at production status after another period of successful testing and exiting DQA status.
 - a. At this time, the sending facility may then send production messages through the participating organization to MiHIN. The sending facility now places a “P” (for production) value in the MSH-11 instead of the “T” used during testing.

2.3.1 Onboarding Additional Sending Facilities

When a participating organization wishes to onboard additional sending facilities, those facilities must first register with the cancer registry. Once successful, the registration information from the cancer registry, including the Facility ID Number, must be emailed via www.mihin.org/requesthelp.

The new sending facility should then begin sending test messages to the cancer registry in the same fashion as the initial facility as detailed in section 3.1.2. Test messages may be required to contain “T” value in MSH-11. This requirement is decided by the receiving organization.

3 Specifications

3.1 Overview

- MiHIN Pre-Production
- MiHIN Production

3.2 General Message Requirements

For general rules that apply to the entire message, refer to the following:

- [Michigan Cancer Surveillance Program Implementation Guide](#)
- [Michigan Cancer Surveillance Program Manual](#)

3.2.1 Message Trigger Events

The HL7 message type for cancer notifications is ORU and the trigger event is R01.

3.2.2 Direct Secure Messaging Submission Specifications

Files sent to MiHIN via Direct Secure Messaging as email attachments must adhere to the following specifications:

- CDA files can be sent via DIRECT as email attachments. Every email must adhere to the following specifications:
 - There shall be only one CDA file attached per email.
 - Emails shall not have any carbon copies (CCs)
- Senders should have the ability to receive DIRECT email for the MiHIN's acknowledgment response in the form of an ACK message.
- Participants using Direct Secure Messaging should use the following addresses:
 - For production: cancernotifications@direct.mihin.org

3.3 Specific Segment and Field Definitions

3.3.1 Required Message Fields

- MSH-10: Message Control ID
- MSH-3.1: Sending Application Namespace ID
- MSH-4.1: Sending Facility Namespace ID
- MSH-4.2: Sending Facility Universal ID
- MSH-9.2: Trigger Event

- PID-10: Race
- PID-11.1: Street Address
- PID-11.5: ZIP
- PID-2: Patient ID or PID-3: Patient Identifier List will be accepted
- PID-5.1: Patient Family Name
- PID-5.2: Patient Given Name
- PID-7: DOB
- PID-8: Sex
- PV1-2: Patient Class
- OBR-16: Ordering Provider
- OBX-11: Observation Results Status
- OBX-2: Value Type
- OBX-3: Observation Identifier
- OBX-5: Observation Value

3.3.2 Segment 1 – Message Header

The definitions in the table below shall be conformed to by all HL7 messages communicating the message header (MSH) segment.

Sequence	Length	DT	Usage	Cardinality	TBL#	Item #	Element Name	Comments
1	1	ST	R	1..1		00001	Field Separator	
2	4	ST	R	1..1		00002	Encoding Characters	
3	180	HD	R	1..1	0361	00003	Sending Application	
4	180	HD	R	1..1	0362	00004	Sending Facility	Facility OID
5	180	HD	R	1..1	0361	00005	Receiving Application	MCSR
6	180	HD	R	1..1	0362	00006	Receiving Facility	MDCH
7	26	TS	R	1..1		00007	Date/Time of Message	
8	40	ST	X	0..0		00008	Security	
9	7	CM	R	1..1	0076 0003	00009	Message Type	ORU^R01^O RU_R01
10	20	ST	R	1..1		00010	Message Control ID	Should be repopulated (rather than pass-through) for outbound message header

Sequence	Length	DT	Usage	Cardinality	TBL#	Item #	Element Name	Comments
11	3	PT	R	1..1		00011	Processing ID	P when in production, T for testing
12	60	VID	R	1..1	0104	00012	Version ID	
13	15	NM	X	0..0		00013	Sequence Number	
14	180	ST	X	0..0		00014	Continuation Pointer	
15	2	ID	X	0..0	0155	00015	Accept Acknowledgment Type	
16	2	ID	X	0..0	0155	00016	Application Acknowledgment Type	
17	2	ID	X	0..0		00017	Country Code	
18	16	ID	X	0..0		00692	Character Set	
19	60	CE	X	0..0			Principal Language of Message	
20	20	ID	X	0..0		00356	Alternate Character Set Handling Scheme	

3.3.3 All Remaining Segments

The message header is the only segment that HIN requires to be formatted in a certain way. Please follow the registry specified standards for all remaining segment and field definitions:

- [Michigan Cancer Surveillance Program Implementation Guide](#)
- [Michigan Cancer Surveillance Program Manual](#)

4. Production Support

	Severity Levels			
	1	2	3	4
Description	Critical Impact/ System Down: Business critical software is down or critical interface has failed. The issue is impacting all production systems, causing all participating organizations' or other organizations' ability to function to be unusable.	Significant Business Impact: Software component severely restricted. Entire organization is unable to continue business functions, causing all communications and transfer of messages to be halted.	Partial Failure or Downtime: Program is useable and less significant features unavailable. The service is online, though may not working as intended or may not currently working as intended or may not currently be accessible, though other systems are currently available.	Minimal Business: A non-critical software component is malfunctioning, causing minimal impact, or a test system is down.
Example	All messages to and from MiHIN are unable to be sent and received, let alone tracked	MiHIN cannot communication (send or receive) messages between single or multiple participating organizations, but can still successfully communicate with other organizations.	Messages are lost in transit; messages can be received but not sent.	Additional feature requested.
Primary Initiation Method	Phone: (517) 336-1430	Phone: (517) 336-1430	Web form at http://mihin.org/requesthelp	Web form at http://mihin.org/requesthelp
Secondary Initiation Method	Web form at http://mihin.org/requesthelp	Web form at http://mihin.org/requesthelp	Email to help@mihin.org	Email to help@mihin.org
Tertiary Initiation Method	Email to help@mihin.org	Email to help@mihin.org	N/A	N/A
Initial Response	Within 2 hours	Within 2 hours	1 business day	1 business day
Resolution Goal	24 hours	24 hours	3 business days	7 business days

A list of common questions regarding the Cancer Notifications data exchange solution can be found at:

<https://mihin.org/cancer-notifications/>

If you have questions, please contact the MiHIN Help Desk:

- www.mihin.org/requesthelp
- Phone: (517) 336-1430
- Monday – Friday 8:00 AM – 5:00 PM (Eastern)

5. Legal Advisory Language

This reminder applies to all UCEs or PAEs covering the exchange of electronic health information:

The data sharing agreement establishes the legal framework under which PO can exchange messages through the HIN Platform, and sets forth the following approved reasons for which messages may be exchanged:

- a. By health care providers for Treatment, Payment and/or Health Care Operations consistent with the requirements set forth in HIPAA;
- b. Public health activities and reporting as permitted by HIPAA and other Applicable Laws and Standards;
- c. To facilitate the implementation of “meaningful use” criteria as specified in the American Recovery and Reinvestment Act of 2009 and as permitted by HIPAA;
- d. Uses and disclosures pursuant to an Authorization provided by the individual who is the subject of the Message or such individual’s personal representative in accordance with HIPAA;
- e. By Data Sharing Organizations for any and all purposes, including but not limited to pilot programs and testing, provided that such purposes are consistent with Applicable Laws and Standards; and
- f. **For any additional purposes as specified in any UCE or PAE, provided that such purposes are consistent with Applicable Laws and Standards.**

Under these agreements, “**Applicable Laws and Standards**” means all applicable federal, state, and local laws, statutes, acts, ordinances, rules, codes, standards, regulations and judicial or administrative decisions promulgated by any governmental agency, including the State of Michigan, or the Michigan Health Information Technology Commission as any of the foregoing may be amended, modified, codified, reenacted, promulgated or published, in whole or in part, and in effect from time to time which is enforceable against a Party. Without limiting the generality of the foregoing, “Applicable Laws and Standards” includes HIPAA “; the federal Confidentiality of Alcohol and Drug Abuse Patient Records statute, section 543 of the Public Health Service Act, 42 U.S.C. 290dd-2, and its implementing regulation, 42 CFR Part 2; the Michigan Mental Health Code, at MCLA §§ 333.1748 and 333.1748a; and the Michigan Public Health Code, at MCL § 333.5131, 5114a.

It is each PO's obligation and responsibility to ensure that it is aware of Applicable Laws and Standards as they pertain to the content of each message sent, and that its delivery of each message complies with the Applicable Laws and Standards. This means, for example, that if a UCE is directed to the exchange of physical health information that may be exchanged without patient authorization under HIPAA, the PO must not deliver any message containing health information for which an express patient authorization or consent is required (e.g., mental or behavioral health information).

Disclaimer: The information contained in this implementation guide was current as of the date of the latest revision in the Document History in this guide. However, Medicare and Medicaid policies are subject to change and do so frequently. HL7 versions and formatting are also subject to updates. Therefore, links to any source documents have been provided within this guide for reference. MiHIN will apply its best efforts to keep all information in this guide up-to-date. It is ultimately the responsibility of the Participating Organization and Sending Facilities to be knowledgeable of changes outside of MiHIN's control.

6. Appendix:

6.1 Appendix A - Message Example

MiHIN is content agnostic and does not validate content for this data exchange solution beyond the message header. To enter fully into production, however, messages must conform to the [Michigan Cancer Surveillance Program Implementation Guide](#) as well.

```
MSH|^~\&||MCSR|MDCH|20160127084129.116||ORU^R01^ORU_R01|20160127084129.116||2.5.1|||||||
```

```
PID|1||^~common key insertion area||||F
```

```
OBR|1|12345^Encapsulation Placer ID|121212^Encapsulation Filler  
ID|ENDOC^EncapsulatedDocument^L|||20160127084129|||||||000  
0|||F|
```

```
OBX|1|ST|MD5^MD5 Message  
Digest^L||9a6fa2bccd687690b8c201a9f64b1f53|||||F  
|||20160127084129|||||||
```

```
OBX|2|NM|LEN^Message Length^L||2236|||||F  
|||20160127084129|||||||
```

```
OBX|3|ED|Content^Message Content^L||CDA  
Content^application^text/xml^Base64^PD94bWwg..<more data>..  
Rob3I+DQo=|||||F|||||||
```

* Yellow-highlighted area above is CDA Base64 encoding insertion area

*Green-highlighted area above is common key insertion area

7. Acronyms and Abbreviations Guide

CCD	Continuity of Care Document
CDA	Clinical Document Architecture
DQA	Data Quality Assurance
DSM	Direct Secure Messaging
EHR	Electronic Health Record
HIN	Health Information Network
HIPAA	Health Insurance Portability and Accountability Act of 1996
HISP	Health Internet Service Provider
HL7	Health Level Seven
MDHHS	Michigan Department of Health and Human Services
MiHIN	Michigan Health Information Network Shared Services
MU	Meaningful Use
MUCA	Master Use Case Agreement
OID	Object Identifier
TDSO	Trusted Data Sharing Organization
VPN	Virtual Private Network

8. Definitions

Applicable Laws and Standards. In addition to the definition set forth in the Data Sharing Agreement, the federal Confidentiality of Alcohol and Drug Abuse Patient Records statute, section 543 of the Public Health Service Act, 42 U.S.C. 290dd-2, and its implementing regulation, 42 CFR Part 2; the Michigan Mental Health Code, at MCLA §§ 333.1748 and 333.1748a; and the Michigan Public Health Code, at MCL § 333.5131, 5114a.

Caregiver. An individual such as a health professional or social worker who assists in the identification, prevention or treatment of an illness or disability.

Common Gateway. The method by which data is sent and received by MiHIN using various national standard protocols (e.g. NwHIN SOAP, IHE XCA, IHE XDS.b).

Conforming Message. A message that is in a standard format that strictly adheres to the implementation guide for its applicable use case.

Data Sharing Agreement. Any data sharing organization agreement signed by both MiHIN and a participating organization. Data sharing organization agreements include but are not limited to: Qualified Data Sharing Organization Agreement, Virtual Qualified Data Sharing Organization Agreement, Consumer Qualified Data Sharing Agreement, Sponsored Shared Organization Agreement, State Sponsored Sharing Organization Agreement, Direct Data Sharing Organization Agreement, Simple Data Sharing Organization Agreement, or other data sharing organization agreements developed by MiHIN.

Electronic Address. A string that identifies the transport protocol and end point address for communicating electronically with a recipient. A recipient may be a person, organization or other entity that has designated the electronic address as the point at which it will receive electronic messages. Examples of an electronic address include a secure email address (Direct via secure SMTP) or secure URL (SOAP / XDR / REST / FHIR). Communication with an electronic address may require a digital certificate or participation in a trust bundle.

Electronic Medical Record or Electronic Health Record (EMR/EHR). A digital version of a patient's paper medical chart.

Electronic Service Information (ESI). All information reasonably necessary to define an electronic destination's ability to receive and use a specific type of information (e.g, discharge summary, patient summary, laboratory report, query for patient/provider/healthcare data). ESI may include the type of information (e.g. patient summary or query), the destination's electronic address, the

messaging framework supported (e.g., SMTP, HTTP/SOAP, XDR, REST, FHIR), security information supported or required (e.g., digital certificate) and specific payload definitions (e.g., CCD C32 V2.5). In addition, ESI may include labels that help identify the type of recipient (e.g., medical records department).

Exhibit. Collectively, a use case exhibit or a pilot activity exhibit.

Health Level 7 (HL7). An interface standard and specifications for clinical and administrative healthcare data developed by the Health Level Seven organization and approved by the American National Standards Institute (ANSI). HL7 provides a method for disparate systems to communicate clinical and administrative information in a normalized format with acknowledgement of receipt

Health Information. Any information, including genetic information, whether oral or recorded in any form or medium, that (a) is created or received by a health provider, public health authority, employer, life insurer, school or university, or healthcare clearinghouse; and (b) relates to the past, present, or future physical or mental health or condition of an individual; the provision of health care to an individual; or the past, present, or future payment for the provision of health care to an individual.

Health Information Network (HIN). An organization or group of organizations responsible for coordinating the exchange of protected health information (PHI) in a region, state, or nationally.

Health Plan. An individual or group plan that provides, or pays the cost of medical care (as “group health plan” and “medical care” are defined in section 2791(a)(2) of the Public Health Service Act, 42 U.S.C. 300gg-91(a)(2)). Health plan further includes those entities defined as a health plan under HIPAA, 45 C.F.R 160.103.

Health Professional means (a) any individual licensed, registered, or certified under applicable Federal or State laws or regulations to provide healthcare services; (b) any person holding a nonclinical position within or associated with an organization that provides or coordinates healthcare or healthcare related services; and (c) people who contribute to the gathering, recording, processing, analysis or communication of health information. Examples include, but are not limited to, physicians, physician assistants, nurse practitioners, nurses, medical assistants, home health professionals, administrative assistants, care managers, care coordinators, receptionists and clerks.

Health Provider means facilities/hospitals, health professionals, health plans, caregivers, pharmacists/other qualified professionals, or any other person or organization involved in providing healthcare.

Master Use Case Agreement (MUCA). Legal document covering expected rules of engagement across all use cases. Trusted data sharing organizations sign master use case agreement one time, then sign use case exhibits for participation in specific use cases.

Meaningful Use. Using certified EHR technology to improve quality, safety and efficiency of healthcare, and to reduce health disparities as further contemplated by title XIII of the the American Recovery and Reinvestment Act of 2009.

Message. A mechanism for exchanging message content between the participating organization to MiHIN services, including query and retrieve.

Message Content. Information, as further defined in an Exhibit, which is sent, received, found or used by a participating organization to or from MiHIN services. Message content includes the message content header.

Message Header (“MSH”) or Message Content Header. The MSH segment present in every HL7 message type that defines the Message’s source, purpose, destination, and certain syntax specifics such as delimiters (separator characters) and character sets. It is always the first segment in the HL7 message, with the only exception being HL7 batch messages.

Michigan Care Improvement Registry (MCIR). The IIS for the State of Michigan operated by the Michigan Department of Health and Human Services (MDHHS).

Michigan Health Information Network Shared Services. The MiHIN for the State of Michigan.

MiHIN Infrastructure Service. Certain services that are shared by numerous use cases. MiHIN infrastructure services include, but are not limited to, Active Care Relationship Service (ACRS), Health Directory, Statewide Consumer Directory (SCD), and the Medical Information Direct GATEway (MIDIGATE®).

MiHIN Services. The MiHIN infrastructure services and additional services and functionality provided by MiHIN allowing the participating organizations to send, receive, find, or use information to or from MiHIN as further set forth in an exhibit.

Negative Acknowledgment (NAK or NACK). “Not acknowledged” and is used to negatively acknowledge or to reject previously received message content or to indicate some kind of error.

Notice. A message transmission that is not message content and which may include an acknowledgement of receipt or error response, such as an ACK or NACK.

Patient Data. Any data about a patient or a consumer that is electronically filed in a participating organization or participating organization participant’s systems or repositories. The data may contain protected health information (PHI), personal credit information (PCI), and/or personally identifiable information (PII).

Person Record. Any record in a MiHIN infrastructure service that primarily relates to a person.

Send / Receive / Find / Use (SRFU). Means sending, receiving, finding, or using message content. Sending involves the transport of message content. Receiving involves accepting and possibly consuming or storing message content. Finding means querying to locate message content. Using means any use of the message content other than sending, receiving and finding. Examples of use include consuming into workflow, reporting, storing, or analysis. Send/Receive/Find/Use (SRFU) activities must comply with Applicable Laws & Standards or State Administrative Code as that term is defined in this agreement and the data sharing agreement.

Service Interruption. A party is unable to send, receive or find message content for any reason, including the failure of network equipment or software, scheduled or unscheduled maintenance, general Internet outages, and events of force majeure.

Transactional Basis. The transmission of message content or a notice within a period of time of receiving message content or notice from a sending or receiving party as may be further set forth in a specific exhibit.

Transitions of Care. The movement of a patient from one setting of care (e.g. hospital, ambulatory primary care practice, ambulatory specialty care practice, long-term care, rehabilitation facility) to another setting of care and can include transfers within a healthcare organization.

Trusted Data Sharing Organization (TDSO). An organization that has signed any form of agreement with MiHIN for data sharing.

Use Case. (a) A use case agreement previously executed by a participating organization; or (b) the use case summary, use case exhibit and a use case implementation guide that participating organization or TDSO must follow to share specific message content with the MiHIN.

Use Case Exhibit. The legal agreement attached as an exhibit to the master use case agreement that governs participation in any specific use case.

Use Case Implementation Guide (UCIG). The document providing technical specifications related to message content and transport of message content between participating organization, MiHIN, and other TDSOs. use case implementation guides are made available via URLs in exhibits.

Use Case Summary. The document providing the executive summary, business justification and value proposition of a use case. Use case summaries are provided by MiHIN upon request and via the MiHIN website at www.mihin.org.