

MICHIGAN HEALTH INFORMATION NETWORK SHARED SERVICES

USE CASE EXHIBIT

Use Case Name: Lab Orders - Results

This Use Case Exhibit (“UCE”) is effective and binding upon the Participating Organization (“PO”) and subject to the Terms. HIN and PO are referred to herein collectively as “Parties” and individually as a “Party.”

1. Purpose. The purpose of this UCE is to set forth the requirements for PO to use HIN to send, receive, find, and use Lab Results including HIN further sending Lab Results to other TDSOs if appropriate. Some Lab Results allow PO and/or PO Participants to meet Federal Program requirements (such as Meaningful Use) for reportable labs and cancer reporting by electronically communicating with a public health agency via Certified Electronic Health Record Technology (CEHRT). Other Lab Results can be shared with Active Care Teams to improve care coordination and outcomes. Still other Lab Results are required by state law, such as newborn screenings. Other Lab Results include much needed information such as blood-lead results. This UCE governs how the many types of Lab Results can be sent, received, found, and used. The types of Lab Results supported by this UCE are listed in the Use Case Implementation Guide (UCIG)..

2. [RESERVED]

3. Definitions.

3.1 **Cancer Registry** means a registry established by the state to record cases of cancer and other specified tumorous and precancerous diseases that occur in the state, and to record information concerning these cases as the state considers necessary and appropriate in order to conduct epidemiologic surveys of cancer and cancer-related diseases in the state.

3.2 **Lab Order** means any type of electronic message that orders laboratory services from any laboratory connected to the HIN.

3.3 **Message Content** consists of Lab Orders, Lab Results, or other related clinical observation and is further defined in each UCIG for each data sharing scenario checked and initialed by PO in the Use Case Implementation Guide to this UCE.

3.4 **Transactional Basis** means sending Message Content or a Notice within a certain number of seconds of delivery or receipt of Message Content or Notice from a sending, receiving, or finding party. The number of seconds for the Transactional Basis under this UCE is specified for each data sharing scenario in the UCIG. A transaction is a single Message. Only if HIN and PO mutually agree in writing, PO shall be allowed to send/receive files containing multiple messages.

4. Use Case Details.

4.1. **Primary Use** HIN will receive Message Content from a sender then sends Message Content to TDSOs and their participants that:

4.1.1. are required by Federal Programs or State Administrative Code¹ including Message Content that is received and used by state agencies and state registries consistent with the requirements set forth by state statutes and the applicable provisions of the state code, as may be amended from time to time; or

4.1.2. are members of the Active Care Team for the patient identified in Message Content if indicated in UCIG for that data sharing scenario; or

4.1.3. for the State Lab Orders-Results data sharing scenario, Message Content and related Notices are used for PO Participants to send electronic orders for laboratory tests to the Bureau of Laboratories via HIN. Lab Orders also indicate who should receive courtesy copies of Lab Results, if any.

4.2. **Additional Permissible Use**

4.2.1. The Parties may make additional permissible use of the Message Content, provided that such additional permissible use is by mutual agreement and consistent with Applicable Laws and Standards, including state statutes and the applicable provisions of the State Administrative Code, to the extent such requirements are applicable to a Party.

4.2.2 Message Content may be used such as for resolution of patient matching in support of other HIN Infrastructure Services including but not limited to the Common Key Service working in conjunction with the ACRS (for use case scenarios where an ACRS-related checkbox in UCIG is checked) and related MPI support.

4.2.3 Message Content may be used to notify eligible patients or guardians for data sharing scenarios where an ACRS-related checkbox in UCIG is checked and where all necessary legal consent has been verified.

4.2.4 Message Content may be used by HIN to create new ACR records only for a use case scenario in UCIG where both of the ACRS-related checkboxes are checked.

4.3 **Limitations on use** Message Content may not be used for competitive purposes. PO may send, receive, find, or use Message Content consistent with the terms herein and as otherwise permitted by the Agreement, *provided, however*, that in no case shall PO share Message Content in a manner inconsistent with this UCE, as applicable.

4.4 **Related Use Case Requirements** PO must enter into the following Use Cases: Health Provider Directory (HPD) if indicated in the diagram for that data sharing scenario.

¹ See Mich. Admin. Code R.325.61 *et seq.*, available at http://www.michigan.gov/lara/0,4601,7-154-35738_5698---.00.html

5. Service Interruptions. No service interruption variations.

6. Responsibilities of the Parties.

6.1 PO's Responsibilities as a Sender

6.1.1 PO shall ensure that Message Content is a Conforming Message and is properly encoded and can be properly parsed. In particular, information about the Health Provider must be valid.

6.1.2 PO agrees that any TDSO and their participants that have an ACR with a particular patient, subject to the permissible uses for the applicable data sharing scenario, may receive the Message Content for that patient except in the case of a self-paid service where the patient has requested that no Patient Data be sent to Health Plans.

6.1.3 PO and PO Participants can only begin sending Message Content when HIN and receiving TDSO (and if appropriate to the data sharing scenario, the state destination registry) grant written permission; otherwise all Message Content bearing the identifier or that PO or PO Participant will be rejected. This written permission may require prior authentication and data quality assurance of Message Content by HIN and the receiving TDSO. PO or PO Participant must either correct the facility identifier, stop all Messages from the facility with that identifier, or work with HIN and the state registry to obtain written authorization to send Message Content with that facility identifier. Facility identifiers may include, but are not limited to, unique identifiers from the registry, Clinical Laboratory Improvement Amendments (CLIA) identifiers, or object identifiers (OID). Other identifiers may include Logical Observation Identifiers Names, Codes (LOINC). The identifier for each Use Case or scenario is specified in the corresponding UCIG.

6.1.4 For the State Lab Results data sharing scenario:

6.1.4.1 PO on a at least a monthly basis shall provide information to HIN about subscribing PO Participants that are participating in the State Lab Results data sharing scenario, including but not limited to: name, identification number, StarLIMS identification, contact information, organization(s), electronic addresses including Direct Secure Messaging address(es), Electronic Service Information and other associated information as appropriate.

6.1.5. Except when the state is the PO in this UCE, neither the PO or any PO Participant shall store, use, or view Message Content other than the PO Participant(s) that is/are the addressee(s) to receive Message Content.

6.2. HIN's Responsibilities

6.2.1. Subject to the permissible uses for the applicable data sharing scenario, HIN shall send to PO and other TDSOs and their PO Participants which have an ACR with the patient all Conforming Messages received from a TDSO and Notices in a consistent manner on a Transactional Basis or in batches.

6.2.2. Subject to the permissible uses for the applicable data sharing scenario, HIN shall send the Message Content it receives to those TDSOs having any non-expired ACR with the patient identified in Message Content, provided that HIN shall not send Message Content to any TDSO or their PO Participants that have not updated their ACRS data at least once within the

previous ninety (90) days.

6.2.3. HIN shall retain all Message Content after receipt for up to ninety-one (91) days unless subject to a litigation hold.

6.2.4. HIN may send Message Content containing a Health Plan designation within the Message Content to a Health Plan TDSO (“Payer TDSO”) except HIN shall not send Message Content to any Health Plan(s) if the Message Content indicates self-paid as defined in the UCIG.

6.2.5. Only after all necessary privacy, consent, audit tracking and logging, and ACR management are in production and further, only by mutual agreement of the Parties in writing, for Lab Orders-Results data sharing scenarios selected by PO Participants HIN shall send copies of Message Content to appropriate members of the Active Care Team for the patient identified in the Message Content for that data sharing scenario.

6.2.6. For the State Lab Orders-Results data sharing scenario, Message Content from the state Source System shall be sent by HIN to the Health Provider that ordered the Message Content as indicated in the Message Content received from the state.

6.2.7. Special Case – Retransmitting of Corrected Lab Results In the event that a Lab Result was distributed to the Care Team, or any other party other than the message addressed recipient, via HIN’s ACRS or similar service, HIN shall track what PO participants received the Lab Result. If the HIN receives any corrected Lab Result for the original Lab Result, the HIN will redistribute to the original distribution list even if there is no longer an active ACRS relationship in place. In the event that any of the redistribution fails, HIN shall notify sending party in writing within 5 business days. Notice shall include detailed information on the message(s) that failed redistribution, including but not limited to, sending party’s “filler” ID (order number/order result number) of the Lab Result and what receiving parties did not receive the corrected Lab Result. HIN will use reasonable commercial efforts to implement this special case within 6 months of receiving the funding required to provide the functionality described in this section.

7. Other Terms.

7.1. **PO Contacts** PO will provide to HIN the contact information that is necessary for this Use Case.

7.2. Message Content sent to the HIN Infrastructure Services that does not meet the specifications in the Implementation Guide will be responded to with a NAK Message.

7.3. **Data Format, Validation and Transmission Specifications** Each type of Message Content may have and must meet its own data format, validation, and transmission specifications (DFVTS) as indicated for each data sharing scenario in the UCIG. If a data sharing scenario specifies DFVTS in the UCIG, , all Message Content sent to HIN shall meet these specifications.

8. Use Case Implementation Guide(s). The Implementation Guide(s) for this Use Case is/are provided are provided at <https://mihin.org/implementation-guides/>.