Evident ™

Interface Performance Expectations

Third Party System: Laboratory-Based Reporting of Public Health Information
Revised: February 20, 2023

In response to the hospital's request, Evident has performed a preliminary level of effort review of an interface between the software provided by Evident and the third-party system indicated above. The attached Interface Performance Expectations have been developed by Evident to reflect the communication protocols and functionality of the proposed interface. To ensure a clear understanding of the interface to be delivered by Evident, we require that representatives of the hospital review the attached performance expectations and provide confirmation of your agreement with interface communication protocols and functionality by signing below.

Please note that both this signed document and an order for the interface must be received by Evident before we will begin any additional development efforts as may be needed to deliver the interface.

However, it is understood that

1. the signing of this document **only** signifies agreement with the Interface Performance Expectations;

2. signing by the hospital **does not** obligate the hospital to order the proposed interface;

Hospital Name:_____
(Print Clearly)

Hospital Location (City/State):_____

Hospital

By: _____
(Authorized Signature)

Name: _____
(Printed)

Title: _____

Date: _____

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- Interface functionality:
  Outbound from Thrive – Unsolicited Laboratory Reportable Results (HL7 ORU messages)

- Evident Thrive EHR is ONC-ACB certified to the 2015 certification edition. This performance expectation addresses the Laboratory Reportable Measure 170.315(f)(3). Any interface transmitting data to meet Promoting Interoperability Program measures will be configured in HL7 v2.5.1 only.

- A facility performing microbiology testing in-house must utilize one of the analyzers listed below with results uploaded to Thrive via an interface. Microbiology results entered in Thrive via manual result entry cannot be successfully submitted to the public health agency.

- Requirements for sending Laboratory-Based Reporting:
  - Thrive LIS
  - One of the following Microbiology Analyzers interfaced via a Lantronix:
    - Microscan/Labpro
    - Vitek with Observa
    - Vitek without Observa
    - Phoenix with Epicenter
    - Giles BIOMIC
  - Laboratory Infection Control Application
    The requirement for a Microbiology analyzer interface and the Laboratory Infection Control Application may not be applicable for a facility reporting COVID-19 results only. It will be dependent on the type of analyzer used to perform COVID tests.

- Communication options for data transmission:
  - Data can be transmitted utilizing HTTPS real time communications. POST is an option when using HTTPS.
  - Data can be transmitted via SOAP/Webservice connector.
  - Data can be transmitted utilizing TCP/IP socket communications.
  - Data can be transmitted utilizing File Transfer Protocol (FTP). Evident supports SFTP or FTPS. ***See Secure File transfer protocol Options below.***
  - The facility is responsible for contacting their State Department of Health to determine the requirements for data exchange software, i.e. PHINMS, MOVEit, UPHNlite, etc. Evident is not responsible for the configuration or installation of the State's required data exchange software.

- **Secure File transfer protocol Options:**
  - Data will be transmitted utilizing a Secure File Transfer Protocol. Evident supports SFTP (SSH -Secure File Transfer Protocol) and FTPS (SSL - File Transfer Protocol over Secure Sockets Layers). The location to which the files are transmitted must have FTP enabled.
    - When opting to use SFTP, Evident will need to be provided an IP address, username, password, and directory for install.

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- When FTPS is required, the facility or third-party vendor is responsible for purchasing or providing certificates if the exchange of certificates is necessary. When certificates are used, it is the responsibility of the facility or third-party vendor to notify Evident of the certificate expiration date.

   **Note: In order for Evident to deliver files to a PC we must be able to connect to the PC via a VPN, or the PC must be on the hospital network. In addition, an FTP service must be running on the PC for both options.

- Transmission of data via the interface:
  - Only the last ten days of messages at any given time can be transmitted via the interface.
  - Archived or historical data is *not* available for transmission via the interface.

- The proper functionality of this interface is dependent upon the facility being on the latest version of the Thrive software. Modifications to the HIS programs are limited to the current release and update.

- The facility is responsible for registering with the state and obtaining an Object Identifier (OID) *if* an OID is required by the state.

- Unsolicited Lab Reportable Results:
  - The ORU result messages may include the following HL7 segments: MSH, SFT, PID, NK1, PV1, ORC, OBR, OBX, NTE and SPM. FHS, BHS, FTS and BTS segments can be included for batch files if required.
  - For microbiology results reported from a Lantronix-Microbiology interface, the HL7 ORU message will include the SNOMED code of each isolate and the LOINC code of each antimicrobial susceptibility test, as defined by 170.207(c)(2). This *requires* set-up in the Thrive Lab Infection Control software by the facility.
  - SNOMED codes for coded observation values will be reported in HL7 ORU messages as defined by IHTSDO SNOMED CT 170.207(a)(3).
  - Specimen Information will be transmitted in the SPM segment, as defined in the HL7 2.5.1 ANSI specification and 170.299, when set-up in the Thrive control tables appropriately and entered via the SpecInfo button located on the Order Entry Maintenance screen.
  - For labs performed at the facility, Performing Lab information will be transmitted as defined in the HL7 2.5.1 ANSI specification.
  - In order to transmit Positive Reportable Labs to the state agency, the user *must* select the "Rptable" button from the Lab Order Entry Maintenance screen.

- In the case of Evident reporting to the state for tests received via a Reference Laboratory interface, the result must be sent to Evident in a discrete format, and as required by the HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm) with Errata and Clarifications, and ELR 2.5.1 Clarification Document for EHR Technology Certification (guides and clarification documents incorporated by reference in 170.299). *Configuration changes may be required for existing interfaces to accommodate converting from non-discrete to discrete result formats.*

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- Translations may need to be created for some table-driven fields in Thrive. In order to create the translation, Evident will need to be provided a one to one cross-reference of Thrive codes to 3rd-party codes prior to development of the interface.

- As Evident strives to meet the changing needs of the healthcare industry and the complexities required with interoperability, future enhancements to the software may necessitate modifications to existing facility interfaces. We encourage all facilities to plan accordingly for the potential of longer development time, supplementary input from parties involved and additional fees. Evident is not responsible for any third-party vendor costs that may be incurred for interface changes.

- The above requirements meet the preliminary needs for the interface. This initial sign-off is needed prior to development of the interface. Relatively minor changes during development are permitted if the third-party and Evident both agree that it will not impact development resources/timelines and implementation target dates. Please note that changes outside the scope of this initial interface performance expectation will require review for level of effort and may necessitate an additional quote.