Steps to Sharing Data with SSEDON

(Syndromic Surveillance Event Detection of Nebraska)
This documentation summarizes the process for sharing data electronically with SSEDON.

Meaningful Use Registration

1. The healthcare facility completes the required Nebraska Department of Health and Human Services (NDHHS) Meaningful Use registration to indicate their interest in data exchange. A link to the registration form can be found at http://dhhs.ne.gov/Pages/Meaningful-Use.aspx in the **How to Send Data to DHHS for Meaningful Use** section.

Onboarding to TEST and Validation

1. Once the registration is complete, an NDHHS SSEDON team member will provide a link to the current SSEDON HL7 2.51 Implementation Guide. The facility's generated HL7 syndromic surveillance message(s) must match the specification outlined in the implementation guide. *Note: HL7 version for syndromic surveillance is 2.5.1 at NDHHS*

2. NDHHS SSEDON team will provide facility with required organization codes batch or message segments (BHS-4 &BHS-6, FHS-4 & FHS-6, and MSH-4 & MSH-6).

3. The healthcare facility will create an initial test message(s) can be batched or individual and should contain fake data e-mailed directly to NDHHS SSEDON team. If live data is used for the initial test message(s) then secure email must be used to submit the test data.

4. An NDHHS SSEDON team member will review initial test message(s) for possible errors and submit initial test message(s) to the TEST environment of SSEDON.

5. Feedback on the initial test messages, including screen capture of SSEDON response and text response file SSEDON generates is e-mailed to vendor by NDHHS.

   - If test file was individual and was fine, the healthcare facility will be asked to create batch file showing minimum 15-20 records to show variety of data typically extracted.

   - If test file needed adjustments, the healthcare facility will correct the HL7 extract and re-submit message(s) for testing until satisfactory results are reached.

6. Upon completion of base testing, testing via the PHINMS connection will be requested. Note: Please see next page of this documentation for installation of PHINMS instructions.

7. After PHINMS setup, testing using syndromic surveillance data in either batched or individual records is performed to assure the links are working.

8. The vendor/facility is to drop HL7 2.5.1 formatted syndromic surveillance message extracts from live facility data into the PHINMS outgoing test directory on the facility's PHINMS server.

9. Upon successful completion of PHINMS testing, healthcare facility production (live data) syndromic surveillance messages from live data must be submitted to the SSEDON's TEST environment. The purpose for using live data is to assess the volume of messages received daily from the facility and assess data quality in patient visits created by the live HL7 messages.

Contact Info: DHHS.SSEDONHelpdesk@nebraska.gov

10. Successful completion of testing concludes when all data has passed quality validation:
    - Data exchange between the organization and NDHHS is occurring consistently
    - All required data is error free (100%)
    - Data submitted meets the requirements spelled out in the NDHHS implementation guide.

Go Live - PRODUCTION

1. Facilities that successfully complete testing via PHINMS are expected to begin submitting live data to SSEDON's PRODUCTION environment as quickly as possible.
2. The formal final step is completed when NDHHS emails the letter certifying your organization status as 'in production'.

PHINMS

What Is It?

- Public Health Information Network Messaging System (PHINMS)
- Developed by the CDC, it's free and provides a secure path through the internet for confidential patient health information

Why Do It?

- Right now this is the only communication method available to automatically submit HL7 data to SSEDON (Syndromic Surveillance Event Detection of Nebraska)

Normal Steps in Setup:

1. A determination is made concerning who is responsible for PHINMS software for healthcare facility. (vendor or facility)

2. An NDHHS SSEDON syndromic technician will contact the State of Nebraska OCIO team who support PHINMS providing contact information for whomever (vendor or facility) is responsible for the PHINMS software.

3. A State of Nebraska OCIO PHINMS team member will make contact with an e-mail, provide installation and configuration instructions and will test the PHINMS software installation with the installer.

4. Once PHINMS has been installed for the facility's syndromic data the NDHHS SSEDON team will configure SSEDON to accept the facility's PHINMS connection into the NDHHS SSEDON TEST environment. Then the vendor/facility is to drop HL7 2.5.1 formatted syndromic surveillance message extracts from live facility data into the PHINMS outgoing test directory on the facility's PHINMS server.

    Once all facility HL7 messages are confirmed positive and the patient visits created from the HL7 messages have been properly matured the vendor and/or facility will be notified a move to SSEDON Production Environment. DHHS will configure the SSEDON Production environment to accept PHINMS connections for this facility and the extracted syndromic messages can now be routed into the PHINMS outgoing production directory on the facility's PHINMS server.

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