Kansas Department of Health and Environment Syndromic Surveillance Onboarding Process

Please contact the Kansas Syndromic Surveillance Program (KSSP) at kdhe.syndromic@ks.gov to begin the onboarding process. The Kansas Department of Health and Environment (KDHE) uses the National Syndromic Surveillance Program (NSSP) BioSense platform to house syndromic data. More information about NSSP and their BioSense platform can be found at the NSSP website.

If you are interested in participating in the Promoting Interoperability (PI) program, contact the PI Coordinator and submit the completed Registration of Intent to Submit Data form at kdhe.MeaningfulUse@ks.gov. While registering intent for PI is not necessarily a pre-requisite for participating in Syndromic Surveillance with the State of Kansas, participating facilities must adhere to PI guidelines to be approved for production.

Onboarding Process

The KDHE Syndromic Surveillance Onboarding Process is as follows:

1. **Registration**
   - To begin registration, contact kdhe.syndromic@ks.gov and request a KSSP Data Usage Agreement (DUA)
     - The completed DUA must be returned to kdhe.syndromic@ks.gov before KSSP can accept production data.
   - Select a reporting method
     - Report directly to NSSP BioSense for syndromic surveillance
       - The facility's technical lead will work with KSSP and NSSP to establish connection.
     - Report through a Kansas certified Health Information Organization (HIO):
       - Sign up with Kansas approved HIO
       - The facility's technical lead will work with the HIO to establish connection.
   - Facilities that are interested in completing the Syndromic Surveillance Reporting Measure for Promoting Interoperability should visit the Kansas Promoting Interoperability website for further instructions.

2. **Establishing Connectivity**
   - Facility IT or HIO representative will work with KSSP Onboarding Coordinator and a member of the NSSP BioSense Onboarding team to establish connectivity to the BioSense Platform Staging (testing) server via Secure File Transfer Protocol (SFTP).
   - An NSSP member will provide an endpoint to begin submission of data to the syndromic surveillance testing server.

3. **Testing and Validation: Timeliness, Completeness, and Validity**
    - After successful connection, facilities must pass through the Data Validation stage with KDHE Syndromic Surveillance Onboarding Coordinator **before** moving to production.
    - Facilities must use 2015 Edition Certified EHR Technology (2015 CEHRT) to send data to BioSense.
    - Refer to the PHIN Messaging Guide for Syndromic Surveillance for details on developing correctly formatted Health Level 7 (HL7) messages.
        - Please note that KDHE has additional requirements and specifications for formatting messages. Learn more about Kansas specific HL7 technical specifications here: KDHE Syndromic Surveillance Technical Specifications
    - Data submitted to the BioSense environment should consist of **batches of live production data** sent hourly.
    - Make sure all EHR message types can be created: Admit (A01), Discharge (A03), Registration (A04), and Update Patient Information (A08).
    - The KSSP Onboarding Coordinator will provide an analysis of data quality to the submitter after enough data is collected to ensure accuracy. Facility technical representative will correct the errors.
        - KDHE checks for the following:
            i. Completeness and Validity >= 95% for priority fields
            ii. Timeliness: records must be sent within 24 hours of being added to patient record
            iii. Patient Identifiable Information, no PII should be sent in Syndromic records

4. **Production: Achieving Ongoing Submission**
    - Once data has been validated in the test environment, KDHE Syndromic Surveillance Onboarding Coordinator and NSSP BioSense Onboarding Team will send the Production endpoint information to the facility technical representative so they can send live data to the NSSP Production server.
    - Data quality validation will continue on a quarterly basis and anytime an EHR vendor is changed.

Resources

Implementation Guides and Required Standards
PHIN Messaging Guide for Syndromic Surveillance:
https://www.cdc.gov/nssp/documents/guides/syndrsurvmessagguide2_messagingguide_phn.pdf
Kansas Syndromic Surveillance Technical Specifications:
https://www.kdhe.ks.gov/DocumentCenter/View/13354/Kansas-Syndromic-Surveillance-Program-Technical-Specifications-PDF
2015 CEHRT: https://www.cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/Certification
KSSP: https://www.kdhe.ks.gov/1378/Kansas-Syndromic-Surveillance-Program
NSSP BioSense: https://www.cdc.gov/nssp/overview.html
Promoting Interoperability
CMS: https://www.cms.gov/regulations-and-guidance/legislation/ehrincentiveprograms
Kansas: https://www.kdhe.ks.gov/1391/Kansas-Promoting-Interoperability
Registration of Intent to Submit Data: https://www.kdhe.ks.gov/DocumentCenter/View/13359/Registration-of-Intent-to-Submit-Data-Form-PDF?bidId