Electronic Laboratory Reporting (ELR)

KDHE welcomes you to begin your on-boarding process for Electronic Laboratory Reporting!

If you are a Meaningful Use Stage 2 participant, please be sure you have registered your intent with our Meaningful Use Coordinator, Sophia Crossen, 785-296-5645, sophia.crossen@ks.gov. Sophia will guide you through on-boarding with all three of the Public Health Meaningful Use required registries (ELR, Syndromic Surveillance and Immunization).

Our On-Boarding Process Diagram details the steps we will be taking with you as we proceed through to a full production feed for ELR.

KDHE receives SOAP or HTTPS Post transmissions for ELR reporting. Although most of our providers are new to this transport method, we can generally set up communication with you within a few days. ELR and Immunization share the same Web Services and use the same Facility ID and Password; however the URL is different for the two registries. I will be sending you your Facility ID and Password in a secure email if you have not already established one with Immunization. For those facilities connecting through the Kansas Health Information Network (KHIN), this information is not applicable for your facility. KDHE and KHIN have established the Web Services connection on your behalf and you will be connecting to KHIN via VPN.

When submitting to our Web Services, here are a few hints:

1. Be sure your Facility ID and Password are present in your post.
2. The HL7 message should be base64Binary encrypted.
3. The Web Services address is
    https://kanphixtrain.kdhe.state.ks.us/webservices/kdheelr/ELRPost.aspx

Our ELR Implementation Guide has additional information on our Web Service set-up and has examples of both SOAP and HTTPS Post included. Examples of all the HL7 Segments required for your ELR submissions are also in the guide.

KDHE requires only positive[*] notifiable diseases be included in your ELR message transmission. The list of notifiable diseases for KDHE can be found on our website.
http://www.kdheks.gov/epi/disease_reporting.html#requirements

Kansas is dual-reporting state. By statute you are required to report all notifiable conditions of which you have been alerted to KDHE regardless of whether or not your facility has performed the test. In the case of a test performed by a reference lab, both the reference lab and the ordering facility are required to report.

The CDC has provided validation tools for ELR participants. KDHE encourages the use of these tools in preparing your HL7 messages but they are not a requirement to begin your testing.
NIST Tool – http://healthcare.nist.gov/use_testing/tools.html
PHIN Message Quality Framework Tool - https://phinmqf.cdc.gov/

Test and disease identification are done by LOINC and SNOMED code recognition and it is a Meaningful Use requirement that LOINC and SNOMED codes are used in your HL7 message. CDC/CSTE ELR Task Force maintains a list of LOINC and SNOMED codes for notifiable disease conditions in the Reportable Conditions Mapping Table (RCMT) which most of our facilities have found very helpful in setting up their disease test to LOINC/SNOMED code mapping. I have included the most recent version of the RCMT; however you may want to download future updated versions from this link https://phinvads.cdc.gov/vads/SearchVocab.action.   (RCMT example below)

Reportable Conditions Mapping Table (RCMT)

Concept Code	Concept Name	Concept Alternate Code	Preferred Name	Code System Identifier	SME Comments	SDO Concept Status
43381-3	B pert Ab XXX Ql IF	NULL	Bordetella pertussis Ab [Presence] in Unspecified specimen by Immunofluorescence	LN	NULL	ACTIVE
31266-0	B pert Ab XXX-aCnc	NULL	Bordetella pertussis Ab [Units/volume] in Unspecified specimen	LN	NULL	ACTIVE
43909-1	B pert Ag Nph Ql	NULL	Bordetella pertussis Ag [Presence] in Nasopharynx	LN	NULL	ACTIVE
38198-8	B pert Ag Nph Ql IF	NULL	Bordetella pertussis Ag [Presence] in Nasopharynx by Immunofluorescence	LN	NULL	ACTIVE

https://search.loinc.org/searchLOINC/userLogin.zul is another great resource for LOINC codes.
http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html provides SNOMED codes.

KDHE Staff look forward to working with you on your ELR implementation. Please feel free to contact us at any time.

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*Tuberculosis and Rabies are exceptions. Please follow the individual program requirements.