**Addendum to the Envision Local Implementation Guide**

**Kentucky Immunization Registry (KYIR)**

KY Addendum to the WebIZ Immunization Information System HL7 2.5.1 Local Implementation Guide

Document Version 5.1

Table 1.

|  |  |  |  |
| --- | --- | --- | --- |
| **Segment** | **Element Name** | **Registry System Usage** | **Code Tables / Notes** |
| MSH-5 | Receiving Facility | R | Set to: **KY0000**Any other value will be considered invalid, and the Registry will not process the message. It will return an ACK message with an Acknowledgement Code of “AR” indicating the message has been rejected. |
| MSH-6 | Receiving Facility | R | Since the Immunization Registry covers the *Jurisdiction*, the only appropriate Receiving Facility codes is: **KY0000** |
| PID-11.7 | Address Type | R | “M” for mailing is the only acceptable value in this field. |
| PID-11.9 | County Parish Code | R | County name or FIPS code is required in this field. |
| PID-13 | Home Phone Number | R | The state requires both a home/cell phone number as well as an email address in this field. |
| RXA-5 | Administered Code | R | *Note: This requirement is for New Immunizations only.*The state requires both CVX and NDC codes in this field, and KYIR prefers that the CVX details appear in the first triplet and NDC details appear in the second triplet. |
| RXA-7 | Administered Units | R | Currently the only value that is accepted by the state of Kentucky is “mL” for milliliters. Any other value sent will cause a warning message. |
| RXA-10 | Administering Provider | R | *Note: This requirement is for New Immunizations only.*This shall be the WebIZ user (Provider) who administered the immunization. The Immunization Registry System will interpret the Unique ID (first component) of this field in the incoming message as the person’s NPI (National Provider Identifier). If this matches a user within the Immunization Registry System associated with this clinic, then this user will be indicated in the Administered By field for the immunization. If a match cannot be found, the Immunization Registry System will return a warning but will continue to process the incoming message and will enter the prefix, name, and the suffix into the vaccination comments field.  |
| RXA-11 | Administered At Location | R | *Note: This requirement is for New Immunizations only.*The first component contains the location at which the vaccine was administered (if applicable). The default (null) value is the current census location for the patient. Site specific table. This first component has the same form as *PV1-3-assigned patient location*. The second component can be used to specify an address. This could be used to fill mail orders to a patient or provider, or to account for home health care. RXA-11.4 has truncated address in all reviewed messages which may be clinic address, but is not complete and recognized by Postal CodesFor incoming messages, the Immunization Registry System has been updated to accept HL7 Facility Codes (in component 4 of this field) to identify the administering immunization provider if it is different than the sending facility code (MSH-4) in the case of HIE, Hubs, etc.  |

Table 2. OBX Segments

|  |  |  |  |
| --- | --- | --- | --- |
| **OBX 3 (LOINC code)** | **Optionality** | **Description** | **Example** |
| 29768-9 | Optional | VIS Published date | OBX|1|TS|29768-9^Date Vaccine Information Statement Published^LN|1|20130227||||||F|||20130227000000 |
| 29769-7 | Required | VIS Presented date | OBX|2|TS|29769-7^Date Vaccine Information Statement Presented^LN|1|20160113||||||F|||20150113000000 |
| 30963-3 | Required | Vaccine funding source | OBX|3|CE|30963-3^Vaccine funding source^LN||PHC70^Private Funds^CDCPHINVS||||||F|||20160113 |
| 64994-7 | Required | VFC Eligibility*Note: V00 eligibility code is not accepted.* | OBX|4|CE|64994-7^Vaccine funding program eligibility category^LN||V01||||||F||||||VXC40^Eligibility captured at the immunization level^CDCPHINVS |
| 69764-9 | Required | VIS Barcode | OBX|5|CE|69764-9^Document Type^LN|4|253088698300012711190815^MMR^cdcgs1vis||||||F|||20220222 |
| 30945-0 | Optional | Vaccine Contraindication/precaution (Immunocompromised) | OBX|1|CE|30945-0^Vaccination contraindication/precaution^LN|1|370388006^Immunocompromised^SCT||||||F |

**Submission of Non-Vaccine Treatments to KYIR**

KYIR has identified 4 CVX codes for non-vaccine treatments that can be reported to the registry.

Table 3.

|  |  |  |  |
| --- | --- | --- | --- |
| **Short Description** | **Full Vaccine name** | **CVX Code** | **Last Updated Date** |
| HBIG | hepatitis B immune globulin | 30 | 9/4/2020 |
| RIG | rabies immune globulin | 34 | 9/4/2020 |
| RSV, mAb, nirsevimab-alip, 0.5 mL, neonate to 24 months | Respiratory syncytial virus (RSV) monoclonal antibody, IgG1κ , (nirsevimab-alip), 0.5 mL, neonates and children to 24 months | 306 | 7/25/2023 |
| RSV, mAb, nirsevimab-alip, 1 mL, neonate to 24 months | Respiratory syncytial virus (RSV) monoclonal antibody, IgG1κ , (nirsevimab-alip), 1 mL, neonates and children to 24 months | 307 | 8/9/2023 |

**Alternative Connection methods**

In addition to the KHIE WSDL, the KYIR offers a direct connection type via the CDC WSDL

Connecting via the CDC WSDL entails:

* KYIR staff creating a CDC WSDL credentials for participant
* Successful connection KYIR QA region via the CDC WSDL URL endpoint
* Going through data validation and review
* Improving data quality to meet KYIR standards
* Successful connection to KYIR prod region via production endpoint

A free testing tool is available to expedite the testing process. While you are waiting to test, please use the NIST Tool to vet messages: <http://hl7v2-iz-testing.nist.gov/mu-immunization/> and apply the corresponding corrections. (Note: this tool does not cover all aspects of the testing immunization program performs, but it will help speed up the testing process.)