



Immunization Information System Flat File Data Import Specification

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Overview

This specification document provides the process providers can leverage to submit non-HL7 electronic data files to the WebIZ Immunization Information system. This document defines the format of the incoming data file as well as the business rules associated with processing each import.

Significant Design Decisions

To minimize the amount of manual intervention required for this process, the data files will be submitted via the WebIZ user interface screens. The data file will be stored as a “blob” in the database until it is processed.

Any user uploading a data file will be supplied a username and password to access the system. They will also be associated with the applicable provider and clinic entities in WebIZ.

Due to the potentially large number of records that may need to be processed, all extracts will be processed via scheduled jobs that run during off-peak hours (e.g., evenings and weekends).

Interface Specification

The following sections describe the process for providers to submit data to the Immunization Registry.

1.0 Preparing the Data File

The provider’s office staff will generate a data file that adheres to the format and definition defined later in this document. The provider is responsible for identifying the specific records that will be sent to the Registry.

2.0 Submitting Files to WebIZ

Any user uploading a data file will require a username and password to access WebIZ. Each user account must be associated with the appropriate provider organization(s) in the Registry and must be given View/Add/Update access to the Reports module and the Flat File Imports Report Category. (It will be up to the Immunization staff to determine what, if any, other permissions these users should be given to access data manually.) Only users associated with the provider/clinic and with the necessary permissions will have the ability to upload a data file.

A new report called “Flat File Import” will be added to the Flat File Imports Report Category. Selecting this report will display a screen allowing the user to upload a new file.

When creating a new upload, the following information will be required:

- Provider and Clinic – This will be defaulted to the user’s default provider and clinic but could be changed to any active provider/clinic that the user is associated with. (The options displayed in these fields will be controlled similar to most report criteria screens.) These are used during processing. We use the Clinic ID if we need to create a new patient IZ program, if the Administered Vaccination Clinic ID is invalid, and if we’re setting a Local ID for the patient. Provider ID is used when adding Precautions/Contraindications.
- Upload File – The user will browse for the data file to submit. (Data files submitted to the Registry will be stored within the WebIZ database in order to adequately secure the data.)

Error! Reference source not found. describes the format that is used for sending data from a provider to the Registry.

- The file is pipe (“|”) delimited text file, and each record should be on a new line.
- Fields marked as required **MUST** have a value.
- Fields marked as RE ‘required but can be empty” MUST have a value for administered vaccinations but are not required.
- Fields not marked as required can be left empty. However, it’s important to account for the empty field to ensure any subsequent fields are still in the proper location in the file.
- Any administered vaccination included in the file must be an added and administered vaccination. Do not include vaccinations that have been added but not yet administered for the patient.
- Any file submitted to the Registry via this interface **MUST** comply with this format.

Field Nbr	Data Field	Data Type (Max Length)	Required?	Note
1	Client ID	Character (25)	N	Will be stored as the Patient’s Local ID for that Provider/Clinic in the Registry.
2	Client First Name	Character (30)	Y	Loaded into the Patient First Name field in the Registry. If the value is longer than 30 characters, the additional characters are truncated, and a warning is generated in the message log
3	Client Middle Name	Character (30)	N	Loaded into the Patient Middle Name field in the Registry. If the value is longer than 30 characters, the additional characters are truncated, and a warning is generated in the message log.
4	Client Last Name	Character (200)	Y	Loaded into the Patient Last Name field in the Registry. If the value is longer than 200 characters, the additional characters are truncated, and a warning is generated in the message log.
5	Client Suffix	Character (code value)	N	Loaded into the Patient Generation field in the Registry. If a matching suffix cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
6	Client Date of Birth	MM/DD/YYYY	Y	Loaded into the Patient Date of Birth field in the Registry. If this field is empty or does not contain a valid date, then the “Date of Birth Unavailable” box is checked in the Registry and a warning message is generated in the message log.
7	Client Alias Last Name	Character (200)	N	The value will always be loaded into the Patient’s Alias Last Name. (In some cases, this might actually be a nickname, but there is no

				pattern that can be used to parse this data effectively.)
8	Client Alias First Name	Character (30)	N	The value will always be loaded into the Patient's Alias First Name. (In some cases, this might actually be a nickname, but there is no pattern that can be used to parse this data effectively.). If the value is longer than 30 characters, the additional characters are truncated, and a warning is generated in the message log
9	Client Alias Middle Name	Character (30)	N	The value will always be loaded into the Patient's Alias Middle Name. (In some cases, this might actually be a nickname, but there is no pattern that can be used to parse this data effectively.). If the value is longer than 30 characters, the additional characters are truncated, and a warning is generated in the message log
10	Client Marital Status	Character (code value)	N	ALWAYS LEAVE BLANK
11	Gender	Character (code value)	Y	Loaded into the Patient Gender field in the Registry. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
12	Language	Character (code value)	N	Using HL7 3 letter codes. See Language Codes table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
13	Primary Race	Character (code value)	Y	Using HL7 codes. See Race Codes table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
14	Race #2	Character (code value)	N	Using HL7 codes. See Race Codes table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
15	Race #3	Character (code value)	N	Using HL7 codes. See Race Codes table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. . If the value is longer than 200 characters, the additional characters are

				truncated, and a warning is generated in the message log
16	Race #4	Character (code value)	N	Using HL7 codes. See Race Codes table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
17	Race #5	Character (code value)	N	Using HL7 codes. See Race Codes table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
18	Ethnicity	Character (code value)	Y	Using HL7 codes. See Ethnicity Code table in Appendix A. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
19	Client SSN	999-999-9999	N	Must be formatted as 999-999-9999 or will be ignored.
20	Primary Care First Name	Primary Care Full Name when combined Character (75)	N	Combine with the primary care provider's middle name, last name, and suffix and put in the Provider Name field on the demographics screen of the Registry. Any characters beyond 75 in the combination are truncated and a warning message is generated for the record in the message log.
21	Primary Care Middle Name	Primary Care Full Name when combined Character (75)	N	Combine with the primary care provider's middle name, last name, and suffix and put in the Provider Name field on the demographics screen of the Registry. Any characters beyond 75 in the combination are truncated and a warning message is generated for the record in the message log.
22	Primary Care Last Name	Primary Care Full Name when combined Character (75)	N	Combine with the primary care provider's middle name, last name, and suffix and put in the Provider Name field on the demographics screen of the Registry. Any characters beyond 75 in the combination are truncated and a warning message is generated for the record in the message log.
23	Primary Care Suffix	Primary Care Full Name when combined Character (75)	N	Combine with the primary care provider's first, middle, and last names and put in the Provider Information field of the Registry. Any characters beyond 75 in the combination are truncated and a warning message is generated for the record in the message log.

24	Patient Program Close Date	N/A	N	Field no longer required / used. Send as empty text to maintain correct position
25	Patient Program Close Reason	N/A	N	Field no longer required / used. Send as empty text to maintain correct position
26	Mother's Maiden Name	Character (30)	N	Loaded into the Patient's Mother's Maiden name field in the Registry.
27	Patient Notes	Character (1000)	N	Loaded into the Registry as a Patient Note with a type of General and using the most recent vaccine date.
28	Street Number	Character (25)	y	Loaded into the Street Number field for the Patient's physical and mailing addresses.
29	Primary Direction	Character (code value)	N	Loaded into the Street Prefix field for the Patient's physical and mailing addresses. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Street Prefix Codes table in Appendix A.
30	Street Name	Character (250)	Y	Loaded into the Street Name fields for the Patient's physical and mailing addresses.
31	Street Type	Character (code value)	N	Loaded into the Street Type fields for the Patient's physical and mailing addresses. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Street Type Codes table in Appendix A.
32	Secondary Direction	Character (code value)	N	Loaded into the Street Suffix field for the Patient's physical and mailing addresses. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Street Prefix Codes table in Appendix A.
33	PO Box	Character (50)	N	Loaded into the PO Box fields for the Patient's physical and mailing addresses.
34	Apartment	Character (25)	N	Loaded into the Unit # for the Patient's physical and mailing addresses.
35	City	Character (50)	Y	Loaded into the City field for the Patient's physical and mailing addresses. If a matching value cannot be found in the applicable list of values in the Registry, the value is loaded into the 'other city', and a warning is generated in the message log.

				See City codes table in Appendix A.
36	State	Character (code value)	Y	Loaded into the State field for the Patient's physical and mailing addresses. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
37	Zip Code	999999999 (5 or 9)	Y	Loaded into the Zip Code field for the Patient's physical and mailing addresses. Will be truncated to 5 digits.
ENTER AT LEAST ONE PHONE NUMBER				
38	Home Phone	999-999-9999	N	Loaded into the Patient's Home Phone field in the Registry.
39	Work Phone	999-999-9999	N	Loaded into the Patient's Work Phone field in the Registry.
40	Cell Phone	999-999-9999	Y	Loaded into the Patient's Cell Phone field in the Registry.
41	Email	Character (50)	N	Loaded in the Patient's Email address field on the demographics screen.
42	Primary Contact Last Name	Character (30)	N	Loaded into the Primary Contact Last Name field for the Patient.
43	Primary Contact First Name	Character (30)	N	Loaded into the Primary Contact First Name field for the Patient.
44	Primary Contact Relationship Type	Character (code value)	N	Loaded into the Emergency Contact Type field for the Patient. See Relationship Codes table in Appendix A.
45	Primary Contact Home Phone	999-999-9999	N	Loaded into the Primary Contact Home Phone number field for the Patient.
46	Primary Contact Cell Phone	999-999-9999	N	Loaded into the Primary Contact Cell Phone number field for the Patient.
47	Primary Contact Work Phone	999-999-9999	N	Loaded into the Primary Contact Work Phone number field for the Patient.
48	Patient Precautions/Contraindications #1	Character (code value)	N	Loaded as a Precaution/Contraindication for the patient. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Contraindication Codes table in Appendix A.
49	Patient Precautions/Contraindications #1 Type	Character (code value)	N	HL7, CDCPHINVS or SMOMED-CT
50	Precautions/Contraindications #1 Effective Date	MM/DD/YYYY	N	Loaded as the effective date field for the precaution/contraindication.

51	Precautions/Contraindications #1 Expiration Date	MM/DD/YYYY	N	Loaded as the expiration date field for the precaution/contraindication.
52	Patient Precautions/Contraindications #2	Character (code value)	N	Loaded as a Precaution/Contraindication for the patient. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Contraindication Codes table in Appendix A.
53	Patient Precautions/Contraindications #2 Type	Character (code value)	N	HL7, CDCPHINVS or SMOMED-CT
54	Precautions/Contraindications #2 Effective Date	MM/DD/YYYY	N	Loaded as the effective date field for the precaution/contraindication.
55	Precautions/Contraindications #2 Expiration Date	MM/DD/YYYY	N	Loaded as the expiration date field for the precaution/contraindication.
56	Patient Precautions/Contraindications #3	Character (code value)	N	Loaded as a Precaution/Contraindication for the patient. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Contraindication Codes table in Appendix A.
57	Patient Precautions/Contraindications #3 Type	Character (code value)	N	HL7, CDCPHINVS or SMOMED-CT
58	Precautions/Contraindications #3 Effective Date	MM/DD/YYYY	N	Loaded as the effective date field for the precaution/contraindication.
59	Precautions/Contraindications #3 Expiration Date	MM/DD/YYYY	N	Loaded as the expiration date field for the precaution/contraindication.
60	Vaccination Date	MM/DD/YYYY	Y	The date the Client received the associated vaccination. This field is required if a vaccination is sent for the patient. Loaded into the date field for the vaccination.
61	Vaccine VFC Eligibility	Character (code value)	Y	See VFC codes table in Appendix A. If a matching value cannot be found in the applicable list of

				<p>values in the Registry, the value is not loaded, and a warning is generated in the message log.</p> <p>Loaded into the VFC eligibility field for the vaccination. The VFC Eligibility of the most recent vaccination is also added to the VFC Eligibility field in the Patient's Demographic information.</p>
62	Vaccination CVX Code	Character (3)	Y	Code set used to load the vaccination (type) into the registry. This field is required if a vaccination date is sent.
63	History Indicator	Character (1)	Y	<p>Flag indicating if vaccine was entered as historical. Should be a Y/N indicator. If history indicator is Y, then administered indicator must be N, i.e., both values cannot be Y.</p> <p>All vaccines marked as historical will be loaded into the Registry with a <u>default clinic of PR (Parental Record)</u> if the Clinic ID is missing.</p>
64	Administered Indicator	Character (1)	Y	Flag indicating if vaccine was entered as administered. Should be a Y/N indicator. If set to Y, then the sending clinic code will be associated to the vaccination. If history indicator is Y, then administered indicator must be N, i.e., both values cannot be Y.
65	Administered by	Character (70)	Y	<p>This should be the name of the medical staff that physically administered the vaccination. Added to comments.</p> <p>This data will be loaded into the vaccination comments field as 'Administered By: XXXXXX'.</p>
66	Immunization Comments –	Character (100)	N	Comment for a Client's immunization Loaded into the comments field for the associated vaccination in the Registry.
67	Lot Number	Character (16)	Y	Loaded into the Lot Number field for the associated vaccination in the Registry.
68	Vaccine Manufacturer	Character (code value)	Y	<p>Need to use common coding system (MVX Codes). If a matching value cannot be found in the applicable list of values in the Registry, or it does not match the CVX code or NDC provided, the value is not loaded, and a warning is generated in the message log.</p> <p>Loaded into the Manufacturer field for the associated vaccination in the Registry.</p>

69	Expiration Date	MM/DD/YYYY	Y	Loaded into the Expiration Date field for the associated vaccination in the Registry.
70	Vaccine Source	Character (code value)	Y	Funding source used to provide the vaccine. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. Loaded into the Funding Source field for the associated vaccination in the Registry.
71	Dosage Amount Administered	9.99	Y	Loaded into the Dosage field for the associated vaccination in the Registry.
72	Clinic ID	9999	Y	Clinic ID associated with the record. This is your WebIZ Clinic ID number, not your VFC/VTckS number. Contact the WebIZ help desk if you do not know your Clinic ID number.
73	Clinic Number	Character (40)	N	Not loaded into the Registry Informational Only
74	Adverse Reaction Code #1	Character (code value)	N	Will be loaded with associated vaccine. If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. See Reaction Codes Table in Appendix A.
75	Adverse Reaction #1 Date	MM/DD/YYYY	N	Loaded as date of reaction.
76	Adverse Reaction Severity Code #1	Character (code value)	N	How severe was the reaction? If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log. MILD, MODERATE, SEVERE Loaded with the Adverse Reaction Code
77	VIS Name	Character (30)	Y	Loaded as the VIS Name for the associated vaccine.
78	VIS Effective Date	MM/DD/YYYY	Y	Should be the Effective Date from the VIS used. Will be loaded as the VIS Effective Date.
79	VIS Date Given	MM/DD/YYYY	Y	Should be the Date given to the patient. Will be loaded as the VIS Given Date.

80	VIS Language	Character (code value)	Y	<p>Using HL7 3 letter codes. See Language Codes table in Appendix A.</p> <p>If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.</p> <p>Will be loaded as the language to the VIS language.</p>
81	County	Character (50)	Y	<p>Loaded into the physical and mailing address.</p> <p>County must exist in code table County Codes</p> <p>If a matching value cannot be found in the applicable list of values in the Registry, the value is loaded into the 'other county', and a warning is generated in the message log.</p>
82	Occupation	Character (50)	N	<p>Loaded into Occupation field on Demographics if system param 'DISPLAY EMPLOYMENT INFORMATION' = YES</p> <p>Occupation must be one from the dropdown list in the flat file template.</p> <p>If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.</p> <p>If value provided but system param 'DISPLAY EMPLOYMENT INFORMATION' = NO, the value is not loaded, and a warning is generated in the message log.</p>
83	NDC	Character (20)	N	<p>Must exist in the vaccine manufacturer codes table and must be mapped to the vaccine/CVX code value in field 62.</p> <p>If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.</p>
84	Route	Character (10)	Y	<p>Must be the HL7 code in the vaccination route code tables, and map to allowable route/site combination.</p>

				If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.
85	Site	Character (10)	Y	<p>Must be the HL7 code in the body site code tables, and map to allowable route/site combination</p> <p>If a matching value cannot be found in the applicable list of values in the Registry, the value is not loaded, and a warning is generated in the message log.</p>

Table 1: Import Data File Format

3.0 Processing the Request File

An automated job will be run every 30 minutes to look for any imports that are waiting to be processed, and the associated patient and immunization records will be loaded into WebIZ.

The following guidelines are used to locate the applicable patient record within in WebIZ for each immunization in the data files.

1. The Registry will search for a record where the first name, last name, and date of birth supplied match the first and last names (whether, patient name, birth record name, or alias name) in the Registry. All open and deleted records will be searched.
 - a. If no matching records are found, the Registry will end the search and create a new patient record.
 - b. If one or more records are found, the Registry will continue with step #2.
2. Once the set of potential matching records has been identified, the Registry will use the remaining fields in the message to attempt to further refine the set of matching records.
 - a. Patient Gender
 - i. The Registry will refine the list of potential matches by removing any records where the gender is not identified in the Registry and does not match the gender provided.
 1. If the list has one record, the Registry will stop searching and the selected record will be selected.
 2. If the list of remaining potential matching records is empty or has multiple records, the Registry will end the search and create a new patient record.

(NOTE: The above description is not intended to imply anything regarding the technical design of the queries used to locate matching records in the Registry. The goal is only to describe the general concept of how the searches will work.)

Once an existing patient record is found (Current or deleted record) or a new patient record is created, the Registry will begin processing the remaining data in the record:

- If an existing record was found, the relevant demographic data in the incoming record will be used to update the record in the Registry.
- If the patient does not already have the same immunization on the same date, then the immunization record will be created using the relevant fields in the incoming record.
- If the patient already has the immunization, the Registry will update the immunization with any data in the incoming record that doesn't already exist for the immunization.

Manual Interventions

Providers submitting data will be expected to manually review the results of each import and resubmit messages as necessary to resolve any issues.

Additional Items for Rollout

Providers will need to migrate to the new format before they can submit data files directly to WebIZ.

Appendix A: Listing of Valid Field Values

This section describes the list of valid values for the related fields in the data file. The Immunization staff can add or inactivate values to the code tables in WebIZ. The tables included here are examples only – we use current table values at the time of processing.

When one of these fields is not required and the value supplied in the data file is not valid, a warning message will be generated and the contents of the field will be ignored. In the event that the field is required and the value supplied is not valid, an error message will be generated and the incoming record will be ignored.

Client Suffix Codes

The following table lists possible valid client suffix codes. These codes can be entered in the Generation (Appellation) field. The list of valid codes is managed by the WebIZ Administrators in the WebIZ Generation (Appellation) Codes table and may differ from this list.

Code
Jr
Sr
II
III
IV
V
VI
VII
VIII
IX
X
XI
XII
XIII
XIV
XV
XVI
XVII
XVIII
XIX
XX

Code
XXI

Client Gender Codes

The following table lists the valid client gender codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Client Gender Codes table and may differ from this list.

Code	Description
F	Female
M	Male
T	Transgender
U	Unknown

Vaccine Source Codes

The following table lists the valid vaccine source codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Funding Sources Codes table and may differ from this list.

HL7 Code	Description
PHC70	PRIVATE
VXC1	VFC
VXC2	STATE (ADH only)
VXC50	Public/PAN
VXC51	SCHIP
VXC52	Public Non-VFC (317)

Reaction Codes

The following table lists the reaction codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Vaccination Reaction Codes table and may differ from this list.

Code	Code Type	Description
39579001	None	Anaphylactic Reaction
VXC9	HL7	Crying for 3+ hrs, < 48 hr
VXC10	HL7	Collapse / Shock < 48 hr
VXC11	HL7	Seizures < 3 Days
VXC12	HL7	Fever, 40.5+°C (105°F) < 48 hr
293104008	None	Adverse reaction to vaccine component
VXC13		GBS Within 6W of Vx
VXC14		Rash within 14 days of dose
VXC15		Intussusception within 30 days of dose

VFC Codes

The following table lists the valid values that can be used to supply the VFC Code for an immunization. The list of valid codes is managed by WebIZ Administrators in the WebIZ VFC Codes table and may differ from this list.

HL7 Code	Description
V00	VFC Eligibility Not Determined/Unknown
V01	Not VFC Eligible
V02	Is enrolled in Medicaid
V03	UNINSURED (<19YRS)
V04	American Indian or Alaskan Native
V05	Is underinsured
V07	VFC Eligible (Local Specific Eligibility)
V22	KCHIP <19YRS
V23	DO NOT USE- 317
V24	MEDICARE

Language Codes

The following table lists the language codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Language Codes table and may differ from this list. Please reference the CDC codesets prior to updating this code table: <https://www.cdc.gov/phin/resources/vocabulary/documents/cdc-race--ethnicity-background-and-purpose.pdf>

HL7 Code	Description
ENG	English
SPA	Spanish/Castilian
OTH	Other
NA	Native American
FRE	French
VI	Vietnamese
GER	German
RUS	Russian
UK	Ukrainian
CH	Chinese
HIN	Hindi
KOR	Arabic
SR	Armenian
TL	Bengali
ARA	Cambodian
ARM	Chamorro
CAT	Catalan/Valencian
DAN	Danish
HAT	Haitian/Haitian Creole
HEB	Hebrew
HMN	Hmong

HL7 Code	Description
JPN	Japanese
SOM	Somali
RUS	Russian

Race Codes

The following table lists the valid race codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Race Codes table and may differ from this list. Please reference the CDC codesets prior to updating this code table: <https://phinvads.cdc.gov/vads/ViewValueSet.action?id=66D34BBC-617F-DD11-B38D-00188B398520>

HL7 Code	Description
2106-3	White
2054-5	Black or African American
1002-5	American Indian or Alaskan Native
2028-9	Asian
2076-8	Native Hawaiian or Other Pacific Islander
2131-1	Other

Ethnicity Codes

The following table lists the valid ethnicity codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Ethnicity Codes table and may differ from this list. Please reference the CDC codesets prior to updating this code table: <https://phinvads.cdc.gov/vads/ViewValueSet.action?id=34D34BBC-617F-DD11-B38D-00188B398520>

HL7 Code	Description
2135-2	Hispanic or Latino
2186-5	Not Hispanic or Latino
U	Unknown
H	Hispanic or Latino-HL7 Only
N	Not Hispanic or Latino- HL7 Only

Street Prefix Codes

The following table lists the valid street prefix codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Street Prefix Codes table and may differ from this list.

Code	Description
N	North
NE	North-East
NW	North-West
S	South
SE	South-East
SW	South-West
E	East
W	West

Code	Description
Branch	Branch
Exten	Extension

Street Type Codes

The following table lists the valid street type codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Street Type Codes table and may differ from this list.

Code	Description
ALY	Alley
AVE	Avenue
BLVD	Boulevard
CIR	Circle
CT	Court
CTR	Center
COR	Corner
CV	Cove
DR	Drive
EXPY	Expressway
EXT	Extension
FWY	Freeway
GTWY	Gateway
HWY	Highway
JCT	Junction
LN	Lane
LP	Loop
PARK	
PATH	
PKWY	Parkway
PL	Place
RD	Road
RT	Route
SQ	Square
ST	Street
TER	Terrace
TRL	Trail
TRFY	Trafficway
VLY	Valley
WAY	Way
CR	County Road
PIKE	Pike

Relationship codes

The following table lists the valid emergency contact type codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Emergency Contact Type Codes table and may differ from this list.

HL7 Code	Description
CGV	CAREGIVER
PAR	PARENT
BRO	BROTHER
DAU	DAUGHTER
EMP	EMPLOYER
EXF	EXTENDED FAMILY
FND	FRIEND
FCH	FOSTER CHILD
FTH	FATHER
GCH	GRANDCHILD
GDA	GRANDDAUGHTER
GFA	GRANDFATHER
FMO	GRANDMOTHER
GRP	GRANDPARENT
GSO	GRANDSON
GUA	GUARANTOR
GRD	GUARDIAN
MTH	MOTHER
OTH	OTHER
DOM	PARTNER
PAR	PARENT
SEL	SELF
SIS	SISTER
SON	SON
SPO	SPOUSE
SCH	STEPCHILD
SIB	SIBLING
UNK	UNKNOWN

Contraindication Codes

The following table lists the valid contraindication codes. The list of valid codes can be managed by WebIZ Administrators in the WebIZ Precautions/Contraindication Codes table and may differ from this list.

Code	Code Type	Description
VXC17	CDCPHINVS	2phenoxyethanol (severe allergy)
91930004	SMOMED-CT	Allergy to eggs
402306009	SMOMED-CT	Alum (severe allergy)
VXC18	CDCPHINVS	Bakers yeast (severe allergy)
VXC22	CDCPHINVS	Encephalopathy within 7 days of administration of previous dose of DTP, DTaP, or Tdap
22	HL7	Gastrointestinal Disease (chronic)
294847001	SMOMED-CT	Gelatin (severe allergy)
38907003	SMOMED-CT	Healthcare provider verified history of or diagnosis of Varicella
4740000	SMOMED-CT	Healthcare provider verified history or diagnosis of Herpes Zoster

Code	Code Type	Description
49723003	SMOMED-CT	History of Intussusception
24	HL7	Immunity: Diphtheria
25	HL7	Immunity: Haemophilus influenzae type B (Hib)
29	HL7	Immunity: Pertussis
30	HL7	Immunity: Poliovirus
32	HL7	Immunity: Tetanus
VXC27	CDCPHINVS	Known severe immunodeficiency
371111005	SMOMED-CT	Laboratory Evidence of Immunity for Measles
371112003	SMOMED-CT	Laboratory Evidence of Immunity for Mumps
278968001	SMOMED-CT	Laboratory Evidence of Immunity for Rubella
278971009	SMOMED-CT	Laboratory Evidence of Immunity or confirmation of Hepatitis A Disease
271511000	SMOMED-CT	Laboratory Evidence of Immunity or confirmation of Hepatitis B Disease
371113008	SMOMED-CT	Laboratory Evidence of Immunity or confirmation of Varicella Disease
16	HL7	Moderate or Severe Illness
21	HL7	Moderate to Severe Acute Illness (e.g. vomiting)
14	HL7	Moderate to Severe Diarrhea
38	HL7	Moderate to Severe Otitis Media (ear infection)
300916003	SMOMED-CT	Neomycin (severe allergy)
42	HL7	Other contraindication/precaution/immunity not listed
77386006	SMOMED-CT	Pregnancy
9	HL7	Prior DT (severe allergy to previous dose or component of vaccine)
11	HL7	Prior DT/DTAP/DTP - Collapse/shock
17	HL7	Prior DT/DTAP/DTP- T \geq 105f w/in 2 days
13	HL7	Prior DT/DTAP/DTP-3+ hrs crying in 2 d
18	HL7	Prior DT/DTAP/DTP-Guillain-Barre in 6w
12	HL7	Prior DT/DTAP/DTP-Seizures w/in 3 days
10	HL7	Prior Rabies (severe allergy to previous dose or component of this vaccine)
9	HL7	Prior Smallpox (severe allergy to previous dose or component of this vaccine)
VXC25	CDCPHINVS	Prior Tetanus vaccine (History of Arthus type reaction)
43	HL7	Prior Typhoid vaccine (severe reaction to previous dose of vaccine)
23	HL7	Recent or Simultaneous Administration of an Antibody-Containing Blood Product (Immune Globulin)
300916003	SMOMED-CT	Severe (anaphylactic) allergy to latex
VXC21	CDCPHINVS	Streptomycin (severe allergy)
398293003	SMOMED-CT	Substantial suppression of cellular immunity
8	HL7	Thimerosal/Mercury Allergy (severe)
40	HL7	Thrombocytopenia
302215000	SMOMED-CT	Thrombocytopenic purpura (history)
VXC26	CDCPHINVS	Underlying unstable, evolving neurologic disorders (including seizure disorders, cerebral palsy, and developmental delay)

MVX Codes

The following table lists the MVX – Manufactures of Vaccines codes. The list of valid codes is managed by WebIZ Administrators in the WebIZ Manufacturer Codes table and may differ from this list.

MX Code	Manufacturer Name	Active?
HUS	Heads Up Safety	Active
AB	Abbott Laboratories	Active
AKR	Akorn, Inc	Active
BAH	Baxter Healthcare Corporation	Active
BPC	Berna Products Corporation	Active
BRR	Barr Laboratories	Active
BTP	Biotest Pharmaceuticals Corporation	Active
CSL	CSL Biotherapies	Active
DXV	Dynavax	Active
GEO	GeoVax Labs, Inc.	Active
GRF	Grifols	Active
IDB	ID Biomedical	Active
IUS	Immuno-U.S., Inc.	Active
INT	Intercell Biomedical	
JSN	Janssen	Active
JPN	The Research Foundation for Microbial Diseases of Osaka University (BIKEN)	Active
KED	Kedrion Biopharma	Active
MBL	Massachusetts Biologic Laboratories	Active
MCM	MCM Vaccine Company	Active
MED	MedImmune, Inc.	Active
MIP	Emergent BioDefense Operations Lansing	Active
MSD	Merck and Co., Inc.	Active
NOV	Novartis Pharmaceutical Corporation	Active
OTH	Other manufacturer	Active
PAX	PaxVax	Active
PFR	Pfizer, Inc	Active
PMC	Sanofi Pasteur	Active
SEQ	Seqirus	Active
SKB	GlaxoSmithKline	Active
VAL	valneva	Active
WAL	WYETH PHARMACEUTICALS - INACTIVE, USE PFR	Active

Occupations

Occupations
HEALTHCARE WORKER
HEALTHCARE SUPPORT
EDUCATION
STATE WORKER
MANAGEMENT
BUSINESS AND FINANCIAL OPERATIONS
COMPUTER AND MATHEMATICAL
ARCHITECTURE AND ENGINEERING
LIFE, PHYSICAL AND SOCIAL SCIENCE
LEGAL
ARTS, DESIGN, ENTERTAINMENT, SPORTS AND MEDIA
PROTECTIVE SERVICE
FOOD PREPARATION AND SERVICE
BUILDING AND GROUNDS CLEANING AND MAINTENANCE
PERSONAL CARE AND SERVICE
SALES AND RELATED
OFFICE AND ADMINISTRATIVE SUPPORT
FARMING, FISHING AND FORESTRY
CONSTRUCTION AND EXTRACTION
INSTALLATION, MAINTENANCE AND REPAIR
PRODUCTION
TRANSPORTATION AND MATERIALS MOVING
MILITARY SPECIFIC
SNHD EMPLOYEE
STUDENT
FARM WORKER
ENGINEER
OTHER
UNEMPLOYED