

Vaccine Code Set Management Services (VCSMS): Web Service User Manual

April 2021



Table of Contents

Title	Page
• Web Services Overview	3
• Swagger Developer Tool	4
• Web Services Reference	5
• CDC Content Model	6
• Term Aliases and Attributes	7

Vaccine Code Sets Web Service

Overview

The web service provides an opportunity for users to directly access the code set content model via web service queries. With this new feature, developers can use the Swagger API to query specific catalog content in real time.

This User Guide is intended for developers and provides an introduction on how to access all published code set content model catalogs, maps, and relationships based on their medium of access.

Swagger Developer Tool

The Swagger developer tool provides an interface to design and test queries with a direct connection to the code set catalog.

POST	/catalog/localattribute	Adds a local attribute to a given catalog.
GET	/catalog	Returns a collection of catalog item objects, each representing a valid catalog mnemonic and associated details. This is intended to support developers and is not likely to be used in an end-user facing application.
GET	/catalog/terms	Returns terms from a given catalog.
POST	/catalog/terms	Returns terms from a given catalog.
GET	/catalog/attributes	Returns a collection of strings, each representing a valid attribute name for a given catalog mnemonic or catalog unique identifier. This is intended to support developers and is not likely to be used in an end-user facing application.
GET	/catalog/{catalogIdentifier}	Returns a single catalog item object.
GET	/catalog/catalogRefs	Returns the catalog reference table definitions for a given catalog.
GET	/catalog/isHighFreq	Determines if entered text is linked to a large number of words prior to calling a search.
GET	/catalog/localattributes	Returns the local attributes for a catalog.



Click [here](#) to access Swagger developer tool

Web Services Reference: Accessing the relevant Information from the CDC Content Model for Vaccine

NOTE: Web Services exposes the **entire** CDC Content Model for Vaccines. The model database contains many additional fields and metadata that are only used internally by the curation application processing. These additional data elements are NOT part of the public, validated content that should be downloaded to end user sites.

The content model is comprised of catalogs and the relationships between the terms/code set in one catalog to those in another catalog

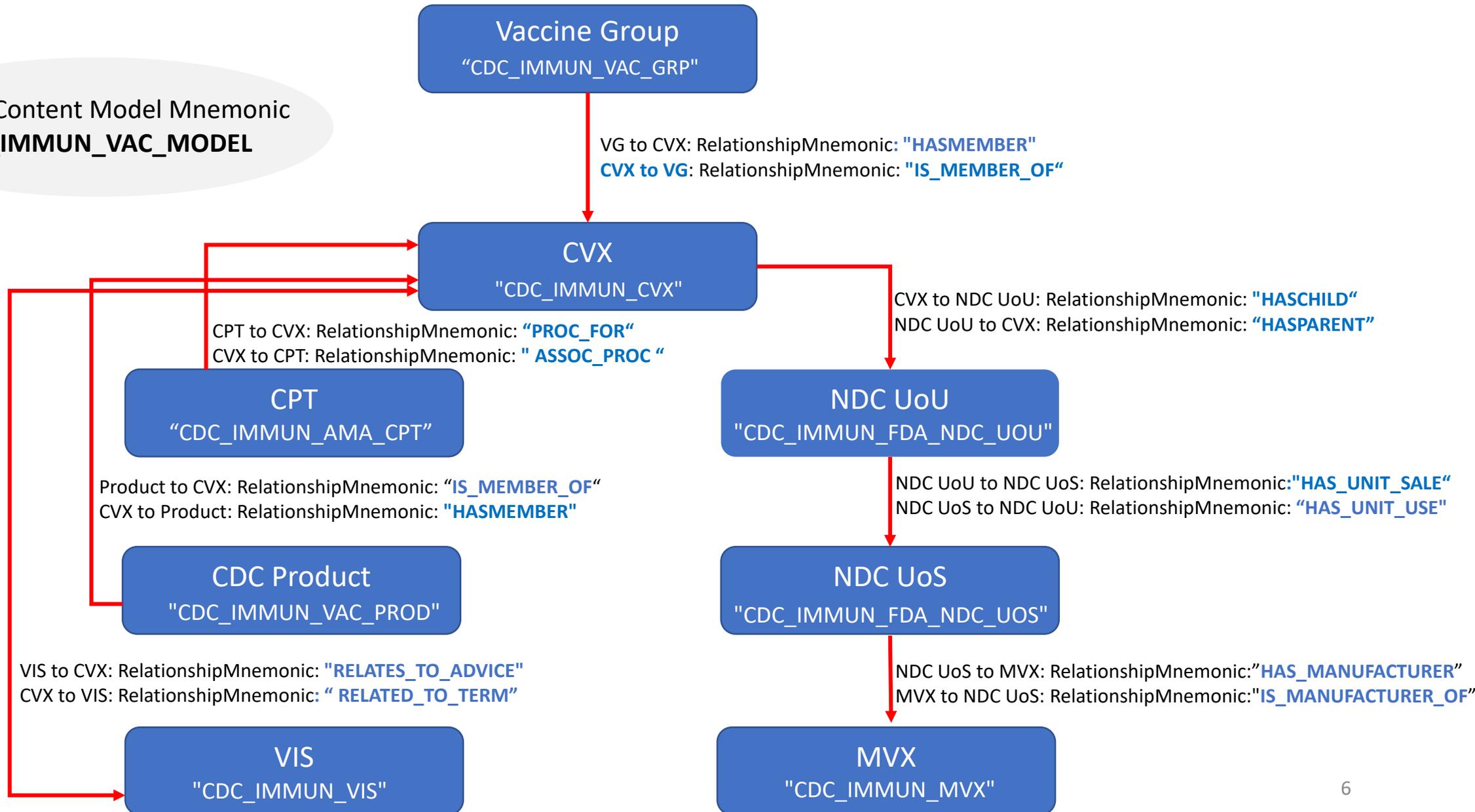
Each record in a catalog has a term source code, and a term description.

In addition, each term has alias description types and attributes fields

The following two slides provide the core catalog identifiers, relationships, and term field types used to query the CDC's vaccine code set content.

The CDC Content Model: *Essential*/Catalogs, Term Identifiers and Relationship types

CDC Content Model Mnemonic
CDC_IMMUN_VAC_MODEL



CDC Content Model: Essential Vaccine Content - Term Aliases and Attributes

Select Catalog and Term	Catalog term aliases and attributes constitute the core catalog content curated and published by the CDC
Each Term has multiple Alias Types	
Each Term has multiple Attribute Fields	
Each Term also includes “Characteristics” fields	Characteristics are elements automatically derived from the terms to aid with the Symedical® application’s algorithmic searching and matching. <i>They are not validated by the CDC and should not be included in vaccine data set downloads</i>

Questions and Comments

- Please let us know if you have questions, comments, or suggestions for improving this user guide
- Email us at iisinfo@cdc.gov