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Purpose of this user guide

- **What is Viewpoint?**
  - Viewpoint supports vaccine code set content access to end users via a browser interface.

- **Who is the audience?**
  - All users of CDC vaccine code set information.

- **How to use this user guide?**
  - This user guide provides Viewpoint screenshots, a diagram of code set relationships, and other helpful information to get you started.

- **Where to go for additional help?**
  - For additional questions about Viewpoint or vaccine code sets, please contact IISInfo@cdc.gov.
In Viewpoint, there are 3 main search types (Terminology Search, Taxonomy Browse, Terminology Mappings) under which search criteria can be entered. All 3 search types access the overall code set database but each offers a distinct starting point for the search.

**Note:** When a search type is selected, the dropdown options available on the page change accordingly.

Click [Here](#) to access Viewpoint
Terminology Search

Terminology search is used to find and select records from the desired code set. Once a record is selected, the user can navigate to more detail about the selected code and its relationship to other codes.

This search function is driven by different catalogs and subsets, also known as code set. Below are the code sets as listed under the Terminology Search catalog:

- **AMA CPT Immunization Subset**: The catalog of vaccine related CPT procedure codes
- **CDC Manufacturer of Vaccine (MVX)**: The catalog of vaccine manufacturer MVX codes
- **CDC Vaccine Administered**: The catalog of CDC vaccine administration CVX codes
- **CDC Vaccine Group**: The catalog of codes used to group vaccine CVX codes
- **CDC Vaccine Information Statement**: The catalog of current and historic vaccine information statements
- **CDC Vaccine Product**: The catalog of vaccine trade names and their associated CVX and MVX codes
- **FDA NDC Immunization Unit of Sale**: The catalog of NDC Units of Sale (package)
- **FDA NDC Immunization Unit of Use**: The catalog of NDC Units of Use (vial/syringe)

The following control catalogs also appear under Terminology Search however do not represent content available in Viewpoint:

- **Viewpoint Catalog Control**
- **Viewpoint Map Control**
- **Viewpoint Model Control**
Terminology Search

Terminology Search provides the most useful and effective way to search for records from a particular code set. To conduct a basic Terminology Search, click on the tab, select appropriate dropdown function, enter a word in the ‘Search for’ field (if needed) and click **Search** button.
Taxonomy Browse

The Taxonomy Search is used to browse the hierarchy of codes and their relationships in the CDC Vaccination Model starting from the vaccine group to the CVX code, subsequent codes and associations.

To conduct a basic Taxonomy Search, click on the tab and select the CDC Vaccination Model dropdown. The list of the vaccine groups display in the content model. Selecting a vaccine group will result in list of CVX codes associated to that vaccine group. Navigation from here on will allow the user to navigate to all relationships associated with the selected CVX code.
Terminology Mapping

Terminology Mapping allows browsing of the two code set maps available (AMA CPT to CVX and FDA NDC Unit of Use to CVX). It also allows browsing of the entire map and provides a list of all mapped records in the selected map. Each map has a source code on the left side and target code on the right allowing users to access respective records by clicking on the "I" button for additional details.

To conduct a search on terminology mappings, click on the tab, select appropriate dropdown function, enter a word in the ‘Search for’ field (if needed) and click the Search button.
Advanced Search

An Advanced Search can only be conducted under the Terminology Search and Terminology Mappings catalogs. Checking the Advanced box displays new search options that can be selected to further explore Viewpoint.
Covid Search Results

Below is an example search for "covid" which returns all results related to "COVID-19" vaccines.

- Clicking on the "I" icon expands the record providing additional details about the vaccine.
Covid Search Results Overview

When a specific record has been selected, the search results are presented in a standardized view as shown below.

- The top heading and left side represents the elements in the code set catalog related to this record.
- The upper right section identifies relationships between this record and other code sets. The user can drill down through the relationships by clicking on each relationship. As new record catalogs information appears, additional relationships will appear.
- The lower right corner shows what maps exist for the selected record. To see all maps, click on the inbound and outbound labels.
Search Results - No Relationships Mapped

When a specific record has been selected, the search results are presented in a standardized view as shown below.

- Some NDC records may have an attribute of exclude "Yes". These records are not published in the CDC code set and may not have relationships mapped.
Vaccine Code Set Mappings available for Viewpoint

- **Vaccine Information Statement (VIS)**
  - Purpose: Links, meta data VIS given to providers
  - Source Org: CDC

- **Vaccine Group (VG)**
  - Purpose: Summary classification of vaccine (*) antigens used in a vaccine
  - Source Org: CDC

- **CVX**
  - Purpose: Vaccine type/product administered
  - Source Org: CDC

- **Vaccine Product (VB)**
  - Purpose: Manufacturer trade names
  - Differentiated for CVX linkage
  - Source Org: CDC

- **NDC Unit of Sale (UoS)**
  - Purpose: U.S. product identifier for human drugs: outer/external package
  - Source Org: FDA, plus CDC curated attributes

- **MVX**
  - Purpose: Used to indicate the manufacturer of the vaccine
  - Source Org: CDC

Relationships:
- Each VIS to Many CVX
- Each CPT to One CVX
- Each VB to One CVX
- Each NDC UoS to One MVX
- Each NDC UoU to One NDC UoS
- Each CVX to Many VG as applicable
- Each VB to One CVX
- Each NDC UoU to One CVX
- Each NDC UoS to One MVX
- Each CPT to One CVX
- Each VIS to Many CVX
- Each VB to One CVX
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