Canadian Clinical Drug Data Set

Date: February 22, 2018

URL: https://infoscribe.infoway-inforoute.ca/display/CCDD

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Date	February 23, 2018
Access	InfoScribe
Release Type	Maintenance Release

1 About the Technical Specification

This technical specification identifies the data files for distributing the information contained in the Canadian Clinical Drug Data Set. The tables below provide the format and description of the attributes within each of the files. The files are provided in CSV format with double quotes used as text qualifiers. All strings are coded in UTF-8. The order of columns in the files may not match the table order as below.

2 Technical Specification Release Notes 20180223

Three new attributes were added to the Manufactured Product full and delta release format as follows:

- **mp_type;** The mp_type distinguishes whether the MP code corresponds to the DPD medicinal product (DIN) identifier, the natural health product (NPN) identifier or is a code created for the CCDD. Allowable values for mp_type are "DIN", "NPN", and "CCDD".

- **Health_Canada_ identifier;** The DIN or NPN identifier assigned to an authorized medicinal product by Health Canada.

- **Health_Canada_product_name;** The product name (as present in the DPD or Licensed Natural Health Products Database (LNHPD)) approved by Health Canada, under which the drug product may be marketed.

The Manufactured Product to DIN or NPN Mapping file is removed from the CCDD package since the information this file provided can now be found in the Manufactured Product files.

3 Non-proprietary Therapeutic Product Full Release; (FILE NAME; ntp_full_release_yyyymmdd)

A representation of a brand independent and clinically oriented representation of a manufactured (therapeutic) drug product. The '**Full' release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
ntp_code	String	7	Unique meaningless Non-proprietary Therapeutic Product identifier.
ntp_formal_name	String	500	The unambiguous description of the Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
ntp_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive".
ntp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
ntp_type	String	8	This attribute is used to differentiate combination products. Values = "Comb" (for Combination product) or "NA".

4 Therapeutic Moiety Full Release; (FILE NAME; tm_full_release_ yyyymmdd)

The representation of the functional and clinically significant part of the active ingredient substance(s) present in a medicinal product, and as such the TM class is an abstract representation of a medicinal product without reference to strength and dose form, focusing only on active ingredient substance(s). The '**Full' release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
tm_code	String	7	Unique meaningless Therapeutic Moiety identifier.
tm_formal_name	String	500	The unambiguous description of the Therapeutic Moiety that includes details necessary to distinguish it from other similar concepts.
tm_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive".
tm_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

5 Manufactured Product Full Release; (FILE NAME; mp_full_release_ yyyymmdd)

The representation of a brand specific drug that is available for prescribing and dispensing in Canada. The **'Full' release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
mp_code	String	8	The unique Manufactured Product identifier, that may be a Health Canada assigned DIN or NPN, or an identifier specific to the Canadian Clinical Drug Data Set.
mp_formal_name	String	500	The unambiguous description of the Manufactured Product that includes details necessary to distinguish it from other similar concepts.
mp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
mp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
mp_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive".
mp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
mp_type	String	8	The mp_type distinguishes whether the MP code corresponds to the DPD medicinal product (DIN) identifier, the natural health product (NPN) identifier or is a code created for the CCDD. Allowable values for mp_type are "DIN", "NPN", and "CCDD".
Health_Canada_ identifier	String	8	The DIN or NPN identifier assigned to an authorized medicinal product by Health Canada.
Health_Canada_product_name	String	200	The product name (as present in the DPD or Licensed Natural Health Products Database (LNHPD)) approved by Health Canada, under which the drug product may be marketed.

6 Manufactured Product, Non-proprietary Therapeutic Product, Therapeutic Moiety Relationship; (FILE NAME; mp_ntp_tm_relationship_ yyyymmdd)

Each row represents the relationship between an MP and its NTP, and its TM (where one exists). It will include both active and inactive content from the full release files for the MP, NTP and TM.

Column	Data Type	Length	Description
mp_code	String	8	The unique Manufactured Product identifier, that may be a Health Canada assigned DIN or NPN, or an identifier specific to the Canadian Clinical Drug Data Set.
mp_formal_name	String	500	The unambiguous description of the Manufactured Product that includes details necessary to distinguish it from other similar concepts.
ntp_code	String	7	Unique meaningless Non-proprietary Therapeutic Product identifier.
ntp_formal_name	String	500	The unambiguous description of the Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
tm_code	String	7	Unique meaningless therapeutic moiety identifier.
tm_formal_name	String	500	The unambiguous description of the therapeutic moiety that includes details necessary to distinguish it from other similar concepts.

7 Device Non-proprietary Therapeutic Product Full Release; (FILE NAME; device-ntp_full_release_ yyyymmdd)

A brand independent and clinically oriented representation of a healthcare device. The **'Full' release** contains one entry for every concept that has ever been released and new content added for that release. New content added for a specific release may at times include "Inactive" content.

Column	Data Type	Length	Description
device_ntp_code	String	7	Unique meaningless device non-proprietary therapeutic product identifier.
device_ntp_formal_name	String	500	The unambiguous description of the Device Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
device_ ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
device_ ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
device_ntp_status	String	8	The lifecycle status for the concept in this file. Allowable values for status are "Active", "Inactive".
device_ ntp_status_effective_time	String (Date)	8	The date of the status in this file. Format = YYYYMMDD.

8 Special Groupings; (FILE NAME; special_groupings_ yyyymmdd)

This file identifies and provides relationships between concepts in the Canadian Clinical Drug Data Set (CCDD) and policies that apply to those products. The initial policy focus will be national and include opioid-containing products and controlled substances.

The file also provides information about the status of that relationship, so that historic information can be maintained (e.g. for a product whose policy information has changed over time).

Column	Data Type	Length	Description
ccdd_code	String	8	Unique meaningless identifier for a concept within the Canadian Clinical Drug Data Set. This may be a tm_code, an ntp_code or an mp_code.
ccdd_formal_name	String	500	The unambiguous description of the concept within the Canadian Clinical Drug Data Set. This may be a tm_formal_name, an ntp_formal_name or an mp_formal_name.
ccdd_type	String	15	The identification of the specific Canadian Clinical Drug Data Set concept type (either MP, NTP or TM).

Column	Data Type	Length	Description
policy_type	String	250	A code representing the policy that the concept described in ccdd_code is controlled by. The detail of the code can be found in the coded_attributes file.
policy_reference	String	250	A reference to further information about the policy. This reference may be a url.
special_groupings_status	String	8	The lifecycle status of the relationship between the concept described in ccdd_code and the policy described in policy_type. Allowable values for this status are "Active" and "Inactive".
special_groupings_status_effective_time	String (Date)	8	For "Active" status entries, this is the date that the information became present in this file. For "Inactive" status entries, this is the date that the policy information in this file is no longer applicable. Format = YYYYMMDD.

9 Coded Attribute; (FILE NAME; coded_attribute_ yyyymmdd)

This file provides the coded values used in an attribute field within the CCDD.

Column	Data Type	Length	Description
attribute	String	50	The name of the specific coded attribute from the CCDD file type.
attribute_code	String	8	Unique identifier for an attribute value within the Clinical Drug Data Set.
attribute_value	String	50	Unambiguous description of an attribute within Clinical Drug Data Set.
CCDD_file_type	String	200	The name of the specific CCDD file type the attribute is from.
attribute_ status	String	8	The lifecycle status for the concept in this file. Allowable values for status are "Active", "Inactive".
attribute_ status_effective_time	String (Date)	8	The date of the status in this file. Format = YYYYMMDD.

10 Non-proprietary Therapeutic Product Delta Release; (FILE NAME; ntp_ delta_release_ yyyymmdd)

A representation of the changes from the previous released version of the ntp_full_release. Only the NTP concepts that have changed will be provided in this file. The "**Delta' release** contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
ntp_code	String	7	Unique meaningless Non-proprietary Therapeutic Product identifier.
ntp_formal_name	String	500	The unambiguous description of the Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
ntp_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive".
ntp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
ntp_type	String	8	This attribute is used to differentiate combination products. Values = "Comb" (for Combination product) or "NA".
change_type	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include "added" or "changed"

11 Therapeutic Moiety Delta Release; (FILE NAME ; tm_delta_release_ yyyymmdd)

A representation of the changes from the previous released version of the tm_full_release. Only the TM concepts that have changed will be provided in this file. The "**Delta' release** contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
tm_code	String	7	Unique meaningless Therapeutic Moiety identifier.
tm_formal_name	String	500	The unambiguous description of the Therapeutic Moiety that includes details necessary to distinguish it from other similar concepts.
tm_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive".
tm_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.
change_type	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include "added" or "changed"

12 Manufactured Product Delta Release; (FILE NAME; mp_delta_release_ yyyymmdd)

A representation of the changes from the previous released version of the mp_full_release. Only the MP concepts that have changed will be provided in this file. The "**Delta' release** contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
mp_code	String	8	The unique Manufactured Product identifier, that may be a Health Canada assigned DIN or NPN, or an identifier specific to the Canadian Clinical Drug Data Set.
mp_formal_name	String	500	The unambiguous description of the Manufactured Product that includes details necessary to distinguish it from other similar concepts.
mp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
mp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
mp_status	String	8	The lifecycle state for the product. Allowable values for status are "Active", "Inactive".
mp_status_effective_time	String (Date)	8	The date of the product status in this file. Format = YYYYMMDD.

Column	Data Type	Length	Description
change_type	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include "added" or "changed"
mp_type	String	8	The mp_type distinguishes whether the MP code corresponds to the DPD medicinal product (DIN) identifier, the natural health product (NPN) identifier or is a code created for the CCDD. Allowable values for mp_type are "DIN", "NPN", and "CCDD".
Health_Canada_ identifier	String	8	The DIN or NPN identifier assigned to an authorized medicinal product by Health Canada.
Health_Canada_product_name	String	200	The product name (as present in the DPD or Licensed Natural Health Products Database (LNHPD)) approved by Health Canada, under which the drug product may be marketed.

13 Device Non-proprietary Therapeutic Product Delta Release; (FILE NAME; device-ntp_delta_release_ yyyymmdd)

A representation of the changes from the previous released version of the Device-ntp_full_release. Only the Device-NTP concepts that have changed will be provided in this file. The "**Delta' release** contains only those concepts that have been added or changed since the previous release. The type of changes would include; inactivated and changes to any description.

Column	Data Type	Length	Description
device_ntp_code	String	7	Unique meaningless Device Non-proprietary Therapeutic Product identifier
device_ntp_formal_name	String	500	The unambiguous description of the Device Non-proprietary Therapeutic Product that includes details necessary to distinguish it from other similar concepts.
device_ntp_en_description	String	500	The user-friendly English description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*
device_ntp_fr_description	String	500	The user-friendly French description that may be used for web applications or the user interface for any system. *NB: Not present in the files currently.*

Column	Data Type	Length	Description
device_ntp_status	String	8	The lifecycle status for the concept in this file. Allowable values for status are "Active", "Inactive".
device_ntp_status_effective_time	String (Date)	8	The date of the status in this file. Format = YYYYMMDD.
change_type	String	10	This attribute provides the types of change applied to any aspect of the concept or applicable attributes. The types of change include "added" or "changed"