BC Medication Catalog Data Dictionary (March 2024, Version 1.4)

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Subset Name	DPD DIN relationship to CCDD
Tab	BC Relationship to CCDD
Description	BC medication file that maps the relationship between the HC DIN, Brand Name, number of pharmaceutical ingredients, WHO ATC codes, Form, Route, to the CCDD ontology (MP, NTP & TM) and SNOMED CT form, route, and admin device codes.

Data Field	Description	Example
Drug_code	Unique meaningless code assigned by Health Canada to each drug product.	100362
HC_last_status	Health Canada value representing if the product is available on shelf in Canada or elsewhere.	Marketed
HC_last_status_date	Health Canada last status date a product is available on shelf in Canada or elsewhere.	2022-08-24
HC_DIN	The DIN or NPN identifier assigned to an authorized medicinal product by Health Canada.	2514435
Brand_name	The product name as present in the DPD approved by Health Canada, under which the drug product may be marketed.	HYDROMORPHONE HYDROCHLORIDE INJECTION USP

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Data Field	Description	Example
Number_of_Active Ingredients	This represents the total number of active (medicinal) ingredient(s) contained in a medicinal product.	1
WHO_ATC_code	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	N02AA03
WHO_ATC_code description	WHO ATC description of medicinal substances classified by their main therapeutic use.	Hydromorphone
Health Canada_Form	Indicates the form of presentation in which a medicinal product is supplied (e.g., tablet, capsule, cream, drops). A product can have more than one dosage form when it is a kit (e.g., tablet, capsule).	Solution
Health Canada_Route	Indicates the part of the body on which, through which or into which the product is to be introduced (e.g., oral, topical, intramuscular, rectal). A product can have more than one route of administration (e.g., intravenous, intramuscular).	Intramuscular, Intravenous, Subcutaneous

Data Field	Description	Example
mp_code	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.	2514435
mp_formal_name	Unambiguous description of the Manufactured Product that is available for prescribing and dispensing in Canada.	HYDROMORPHONE HYDROCHLORIDE INJECTION USP (HYDROMORPHONE HYDROCHLORIDE 1 MG PER 1 ML SOLUTION FOR INJECTION VIAL) SANDOZ CANADA INCORPORATED
mp_status	Lifecycle state for the product. Allowable values for status are or an identifier specific to the Canadian Clinical Drug Data Set.	Active
ntp_code	Unique meaningless Non-proprietary Therapeutic Product identifier.	9014761
ntp_formal_name	Unambiguous description of the Non-proprietary Therapeutic Product (brand independent and clinically oriented representation of a manufactured (therapeutic) drug product) necessary to distinguish it from other similar concepts.	HYDROMORPHONE HYDROCHLORIDE 1 MG PER 1 ML SOLUTION FOR INJECTION VIAL

Data Field	Description	Example
tm_code	Unique meaningless therapeutic moiety identifier.	8000106
tm_formal_name	Unambiguous description of the therapeutic moiety (clinically significant part of the active ingredient present in a medicinal product) necessary to distinguish it from other similar concepts.	HYDROMORPHONE
BC_SCT_route_code	SNOMED CT concept ID that represents the route of administration for this medicinal product.	738984000
BC_SCT_route_name	SNOMED CT-Route of administration description of a therapeutic agent into or onto the patient (qualifier value).	Parenteral
BC_SCT_form_code	SNOMED CT concept ID that represents a general type of pharmaceutical formulation for this medicinal product (basic dose form).	385223009
BC_SCT_form_name	SNOMED CT- Basic dose form name that represents the formulation for the medicinal product intended to be delivered to the patient (e.g., tablet, capsule, cream, ointment, solution, suspension).	Powder for solution for injection

Data Field	Description	Example
BC_SCT_Unit_of_Presentation_code	SNOMED CT concept ID that represents the unit of presentation for this medicinal product.	733026001
BC_SCT_Unit_of_Presentation_name	SNOMED CT-Unit of presentation name of a therapeutic agent into or onto the patient (qualifier value).	Vial (unit of presentation)

2. BC Manufacturer Product Mapped to Non-Proprietary Therapeutic Product (NTP) and HC DIN

Subset Name	BC Manufacturer Product mapped to Non-Proprietary Therapeutic Product (NTP) and HC DIN
Tab	CCDD_MP_NTP_DIN
Description	Manufactured Products (MP) which identifies the precise ingredient, strength, dose form, and dose unit of presentation mapped to both the HC DIN, ATC, and NTP code.

Field Name	Description	Example
mp_code	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	Unambiguous description of the Manufactured Product that is available for prescribing and dispensing in Canada.	TEVA-CLONIDINE (clonidine hydrochloride 0.1 mg oral tablet) TEVA CANADA LIMITED
mp_status	Lifecycle state for the product. Allowable values for status are or an identifier specific to the Canadian Clinical Drug Data Set.	Active
mp_status_effective_time	The date of the mp_status in this file is based on the underlying regulatory status data in the DPD; Format = YYYYMMDD.	1993-12-31

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Field Name	Description	Example
NTP_code	Unique meaningless Non-proprietary Therapeutic Product identifier.	9000346
HC_DIN	The DIN or NPN identifier assigned to an authorized medicinal product by Health Canada.	2046121
HC_product_name	The product name as present in the DPD approved by Health Canada, under which the drug product may be marketed.	TEVA-CLONIDINE
HC_drug_code	Unique meaningles code assigned by Health Canada to each drug product.	14715
HC_last_status	Health Canada value representing if the product is available on shelf in Canada or elsewhere.	Marketed
HC_last_status_date	Health Canada last status date a product is available on shelf in Canada or elsewhere.	2014-01-17
HC_number_of_active_ingred	Health Canada representation of the total number of active ingredient(s) contained in a medicinal product.	1
HC_AIG	Health Canada value representing the active ingredient(s) contained in a medicinal product.	108891001
WHO_ATC_code	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	C02AC01

Field Name	Description	Example
WHO_ATC_code description	WHO ATC description of medicinal substances classified by their main therapeutic use.	Clonidine

3. BC Non-Proprietary Therapeutic Product (NTP) to Therapeutic Moiety ™

Subset Name	BC Non-Proprietary Therapeutic Product (NTP) to Therapeutic Moiety ™
Tab	CCDD_NTP_TM
Description	Non-proprietary therapeutic product (NTP) which includes information that is brand independent and is a clinically oriented representation of a manufactured product with qualitative strength, form, and route (e.g., 2.5 mg oral tablet) mapped to a therapeutic moiety (the active substance(s).

Field Name	Description	Example
ntp_code	Unique meaningless Non-proprietary Therapeutic Product identifier.	9000003
ntp_formal_name	Unambiguous description of the Non-proprietary Therapeutic Product (brand independent and clinically oriented representation of a manufactured (therapeutic) drug product) necessary to distinguish it from other similar concepts.	epinephrine (epinephrine hydrochloride) 1 mg per 1 mL solution for injection ampoule
ntp_status	The lifecycle state for the product. Allowable values for status are “Active”, “Inactive”.	Active
ntp_status_effective_time	The date of the ntp_status in this file has been inferred based on the Manufactured Products associated with the ntp; Format = YYYYMMDD.	1951-12-31

Field Name	Description	Example
tm_code	Unique meaningless therapeutic moiety identifier.	8000003
tm_formal_name	Unambiguous description of the therapeutic moiety (clinically significant part of the active ingredient present in a medicinal product) necessary to distinguish it from other similar concepts.	epinephrine
BC_SCT_route_code	SNOMED CT concept ID that represents the route of administration for this medicinal product.	738984000
BC_SCT_route_name	SNOMED CT-Route of administration description of a therapeutic agent into or onto the patient (qualifier value).	Parenteral
BC_SCT_form_code	SNOMED CT concept ID that represents a general type of pharmaceutical formulation for this medicinal product (basic dose form).	385219001
BC_SCT_form_name	SNOMED CT- Basic dose form name that represents the formulation for the medicinal product intended to be delivered to the patient (e.g., tablet, capsule, cream, ointment, solution, suspension).	Solution for injection
BC_SCT_Unit_of_Presentation_code	SNOMED CT concept ID that represents the unit of presentation for this medicinal product.	732978007
BC_SCT_Unit_of_Presentation_name	SNOMED CT-Unit of presentation name of a therapeutic agent into or onto the patient (qualifier value).	Ampule (unit of presentation)

4. Health Canada DPD DIN Therapeutic Route Form

Subset Name	Health Canada DPD DIN_Therapeutic_Route_Form
Tab	DPD_Drug_Route_Form
Description	Linking Health Canada DIN, Brand name, WHO ATC groups, ingredients, form, and route of administration for marketed medication products in Canada.

Field Name	Description	Example
Drug Code	Unique meaningless code assigned by Health Canada to each drug product.	3132
HC_DIN	Drug Identification Number (DIN)/ Natural Product Number (NPN) assigned to each of the products by the Health Protection Branch of Health Canada.	438014
Brand Name	This is the brand name approved by Health Canada, under which the drug product may be marketed.	(20 Mmol/L) Potassium Chloride In 3.3% Dextrose And 0.3% Sodium Chloride Injection Usp
WHO_ATC_code	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	B05BB02

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Field Name	Description	Example
WHO_ATC_code description	WHO ATC description of medicinal substances classified by their main therapeutic use.	Electrolytes with carbohydrates
Number_of_AIS	This represents the total number of active (medicinal) ingredient(s) contained in a product.	3
Health Canada_Form	Indicates the form of presentation in which a medicinal product is supplied (e.g., tablet, capsule, cream, drops). A product can have more than one dosage form when it is a kit (e.g., tablet, capsule).	Solution
Health Canada_Route	Indicates the part of the body on which, through which or into which the product is to be introduced (e.g., oral, topical, intramuscular, rectal). A product can have more than one route of administration (e.g., intravenous, intramuscular).	Intravenous
HC_last_status	Health Canada value representing if the product is available on shelf in Canada or elsewhere.	Marketed
HC_last_status_date	Health Canada last status date a product is available on shelf in Canada or elsewhere.	2023-01-01

5. WHO ATC Code-Drug Name

Subset Name	WHO ATC code-drug name
Tab	WHO ATC code-drug name
Description	Medicinal substances classified according to their main therapeutic use for each medicinal product (as defined by route of administration and in some cases strength).

Field Name	Description	Example
WHO_ATC_code	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	A10BA02
WHO_ATC_code description	WHO ATC description of medicinal substances classified by their main therapeutic use.	Metformin

6. Low-Cost Alternative (LCA) Special Authority (SA) Benefit Status

Subset Name	Low-Cost Alternative (LCA)_Special Authority (SA) Benefit Status
Tab	LCA_SA
Description	This list includes all new and existing generic drugs within the LCA Program with their current reimbursement limits

Field Name	Description	Example
LCA Category No		1366
HC_DIN	Drug Identification Number (DIN)/ Natural Product Number (NPN) assigned to each of the products by the Health Protection Branch of Health Canada.	2297841
Chemical Name	The chemical name for each drug which includes form, dose, dose units.	LOSARTAN HCTZ TAB 100MG/12.5MG
Drug Name	The product name associated with a specific manufacturer's version of a drug.	HYZAAR
Manufacturer	The manufacturer code assigned by Health Canada. For more information, please see the tab for Manufacturer codes and names.	12250

Field Name	Description	Example
Full / Partial LCA Benefit	This column indicates whether or not a product will be automatically and fully covered by PharmaCare: • F — the product is a "Full Benefit" and will be fully covered by PharmaCare, subject to the Maximum Pricing Policy. • P — the product is a "Partial Benefit" and coverage is limited according to LCA or RDP pricing policy. • P* —the product will be recognized as a full benefit if a Special Authority has been granted for an exemption from the RDP rules.	P
Plan B Only	A "Y" in this column indicates that the product is a benefit for Plan B patients only. These drugs are subject to LCA or RDP rules.	

Field Name	Description	Example
RDP	An “RDP” entry in this column indicates that the drug is subject to the rules of the Reference Drug Program (RDP). Claims for drugs that are RDP-designated will adjudicate according to LCA Program rules, and up to a maximum daily cost that is determined by the cost of the reference drug comparator. A "REF" entry indicates that the drug is a reference drug for the category. All claims for a “REF” drug adjudicate according to LCA Program rules. If this column is blank, the drug is not included in the RDP.	REF
SA	A "Y" in this column indicates that the product is a LIMITED COVERAGE DRUG that is covered only with an approved Special Authority (SA). Claims for SA drugs adjudicate to zero unless a Special Authority approval has been granted and entered on PharmaNet before the prescription is filled. All valid claims for an SA drug adjudicate according to LCA Program rules.	Y

Field Name	Description	Example
Prov	A “Y” entry in this column indicates that the drug has been listed on a provisional basis. Drugs listed on a provisional basis may be removed from the PharmaCare formulary at the Minister’s discretion. For details, refer to the Drug Price Regulation.	
Pan-Canadian	A "Y" in this column indicates that the product is subject to the price point set by the Pan-Canadian Value Price Initiative for Generic Drugs.	
Tiered Pricing Categories	A “Y” in this column indicates that the product is subject to the price established in accordance with the Tiered Pricing Framework as agreed upon in the principle by the Canadian Generic Pharmaceutical Association (CGPA) and participating provinces and territories, including BC, as part of the Council of the Federation.	Y
Max Price	The price entered in PharmaNet as the maximum price that PharmaCare will reimburse for the drug.	2.0454
LCA Price	The maximum amount PharmaCare will reimburse for a partial benefit in a particular LCA category.	0.3329

7. Reference Drug Program (RDP) Categories

Subset Name	Reference Drug Program (RDP) categories
Tab	RDP_categories
Description	This list includes all new and existing generic drugs within the LCA Program with their current reimbursement limits

Field Name	Description	Example
RDP Category	A group of drugs, used to treat the same illness or condition, that are equally safe and effective. Within each category, fully covered (“reference”) drugs are not subject to a daily maximum; partially covered (“non-reference”) drugs are subject to a daily maximum.	Ace Inhibitors
HC_DIN	Drug Identification Number (DIN)/ Natural Product Number (NPN) assigned to each of the products by the Health Protection Branch of Health Canada.	2283131
Generic Name	The chemical name for each drug which includes form, dose, dose units.	RAMIPRIL HYDROCHLOROTHIAZIDE TAB 2.5MG/12.5MG
Drug Name	The product name associated with a specific manufacturer's version of a drug.	ALTACE HCT

Field Name	Description	Example
Manufacturer	The manufacturer code assigned by Health Canada.	12538
RDP_status	The RDP status is determined by the cost of the reference drug. "Full (REF)" refers to the reference drug(s) in the category. “Partial (NONREF)” indicates that the drug will be reimbursed to a maximum of the price of the reference drug.	Full (REF)

8. Manufacturer Code and Names

Subset Name	Manufacturer Code and Names
Tab	Manufacturer Code Names
Description	This list includes all manufacturer codes and names assigned by Health Canada

Field Name	Description	Example
Manufacturer Code	The manufacturer code assigned by Health Canada.	11581
Manufacturer Name	The manufacturer name provided to Health Canada.	AGRISAN SPECIALTY CHEMICAL & PHARMACEUTICAL A DIVISION OF AGRISAN INC
Street Name	The name of the street location	451 SMITH ST
City	The city name	ARTHUR
Province	The province name, if applicable	ONTARIO
Country	The country name	CANADA
Postal Code	The postal code, if applicable	N0G 1A0
PO Box	The postal box, if applicable	69

9. Drug Status Descriptions

Subset Name	Drug Status Description details
Tab	Drug Status Descriptions
Description	This list includes all Health Canada (HC) drug status descriptions reflected in DPD files and in the DPD Online Query.

Field Name	Description	Example
Drug Statuses	Refers to the direct representation of the status for a DIN reflected in the CCDD_MP_NTP_DIN tab as HC last status.	MARKETED
Description	The statuses listed are a direct detailed description from the DPD files, that has been reviewed by Health Canada.	Refers to an active DIN for a product that is currently being sold in Canada

10. BC PIN Category

Subset Name	BC PIN Category
Tab	BC PINs: This list includes all Pharmacare formulary created product id numbers used in PharmaNet
Description	Product Identification Numbers (PINs) are created by PharmaCare to allow claims to be adjudicated by the PharmaNet system when the: • Drug identification number (DIN) has not been supplied by First Databank • Drug or product is classified as an investigational drug or non-pharmaceutical • Drug or product needs a separate identifier for PharmaCare purposes

Field Name	Description	Example
Compounded Prescriptions	Link	• Eligible • Non-Benefit • Discontinued Compound

Field Name	Description	Example
Cystic Fibrosis Supplies	Link	• Digestive enzymes • Nutritional supplements and vitamins • Hypertonic saline 7%, normal saline and sterile water
Diabetes	Link	• Blood glucose test strips (BGTS) • Continuous glucose monitors (CGMs) • Insulin pumps • Insulin pump supplies • Insulin pump and insulin pump supplies – approved vendors • Needles and syringes

Field Name	Description	Example
Minor Ailments and Contraception Service (MACS)	Pharmacist assessment and treatment for 21 minor ailments and contraception services (e.g., medication and/or devices). Link	• Heartburn (condition) • Contraception pill
Medical Assistance in Dying (MAiD)	Link	• Intravenous (IV) kit • Oral kit • Clinical Service Fee
Medication Management	N/A	
Medication Study	N/A	
Miscellaneous	Link	

Field Name	Description	Example
Opioid Agonist Treatment (OAT)	Link	• Direct interaction • Direct interaction with delivery • No direct interaction • No direct interaction with delivery • Non-benefit methadone • Buprenorphine/naloxone, Suboxone, and Kadian
Ostomy Supplies	Link	
Plan W Non-Drug OTC Benefits	Link	• General supplies • Diabetic supplies • Inhaler spacers • IUDs

Field Name	Description	Example
Prosthetic and Orthotic	Link	• Mastectomy • Ocular • Orthotic • Ostomy • Prosthetic
Publicly Funded Vaccines	Link	• COVID-19 vaccine • Influenza vaccine • Other vaccine
Renal Supplies	N/A	

11. BC Vaccine Relationship File (BC MIP to DIA-IA-BC PIN Mapping)

Subset Name	BC Vaccine Relationship File
Tab	BC MIP to DIA-IA-BC PIN Mapping (see Appendix A: BC Vaccine Catalog)
Description	Brand specific Manufactured Immunizing Products (MIP) currently or recently available for prescribing and administration in BC. Each product and associated metadata are categorized as Detailed Immunizing Agent (DIA) and Immunizing Agent (IA) with the precise ingredient, strength, dose form and relevant unit of presentation for use in Canada. MIP is a child of DIA, DIA is a child of IA.

Data Field	Description	Example
BC UNIQUE MIP CODE	Code used to uniquely identify the manufactured immunizing product.	02402904
BC UNIQUE MIP CODE SYSTEM	Code system associated with the unique identifier. Currently, only Health Canada drug products and SNOMED CT code systems are used.	Health Canada
HC DIN	Drug Identification Number issued by Health Canada that corresponds to the Manufactured Immunizing Product.	02402904
MIP PRODUCT NAME	Manufactured Immunizing Product name as listed by Health Canada.	Nimenrix
MIP SCT CODE	SNOMED CT code that represents the manufactured product (real clinical drug).	21781000087106

Data Field	Description	Example
MIP SCT FORMAL NAME	SNOMED CT fully specified name identifying the real clinical drug name of vaccines and passive immunizing agents with precise ingredients, strength, dose form and relevant unit of presentation.	NIMENRIX powder and diluent for solution for injection Pfizer Canada Inc. (product)
CONCAT FORM	Available physical forms in which the vaccine is produced and dispensed (e.g., tablet, capsule, liquid, suspension). Options listed in the DPD are concatenated and separated by commas.	Kit, Powder for solution
CONCAT ROUTE	Possible routes of administration for this vaccine. Options list in the DPD are concatenated and separated by commas.	Intramuscular
UNIT OF PRESENTATION CODE	SNOMED CT code representing the unit of presentation.	733026001
UNIT OF PRESENTATION NAME	The qualitative concept name that describes a countable entity in which the clinical drug is presented (e.g., tablet, capsule) or in which it is bounded (vial, ampule).	Vial (unit of presentation)
DESCRIPTOR	Detailed information on the presentation of the vaccine as listed in the Health Canada DPD.	Single-dose vial with diluent (0.5ml in a prefilled-syringe). 1 & 10 kits
NUMBER OF AIS	Number of active ingredients in the product as listed in the Health Canada DPD.	5
MARKET AUTHORIZATION HOLDER	Company Name of the market authorization holder for this vaccine product.	Pfizer Canada Ulc
DIA SCT CODE	SNOMED CT code for a MIP parent concept that categorizes the medicinal product details.	7121000087107

Data Field	Description	Example
DIA SCT FORMAL NAME	Detailed categorization of the vaccine including valency, mechanism (e.g., live attenuated, inactivated) and qualitative strength (e.g., high dose, low dose) of the agent or agents contained in the vaccine.	Vaccine product containing only meningococcal groups A + C + Y + W-135 conjugate antigens (medicinal product)
DIA SHORT NAME	Detailed immunizing agent short name following existing conventions.	Meningococcal A+C+Y+W-135 conjúgate
DIA ABBREVIATION	Detailed immunizing agent abbreviation to be used as appropriate in orders or documenting immunizing agent history when specific manufactured immunizing product to be given or historically administered are not known.	Men A+C+Y+W-135 conj
IA SCT CODE	SNOMED CT code representing the type of immunizing agents (medicinal product).	921000221108
IA SCT FORMAL NAME	Groups immunizing agents by the disease for which they provide active or passive protection.	Vaccine product containing only Neisseria meningitidis antigen (medicinal product)
IA SHORT NAME	Immunizing agent name.	Meningococcal
IA ABBREVIATION	Abbreviation for the immunizing agent	Men
WHO ATC CODE	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	J07AH04
WHO ATC NAME	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) name of medicinal substances.	Meningococcus, a, c, y, w-135, tetraval. purified polysacc. antigen
DISPLAY NAME	Immunizing agent abbreviation including brand name and market authorization holder abbreviation to be used when displaying a list of vaccines to clinicians.	Men-C-ACYW-135 NIMENRIX Pfiz

Data Field	Description	Example
AVAILABILITY	Health Canada status of products approved for use in Canada (e.g., approved, marketed, cancelled post market, special access, international, and dormant).	Marketed
MIP LAST STATUS	Manufactured Immunizing Product status in BC subset (e.g., added, modified).	Added
MIP LAST STATUS DATE	Date of addition or modification of MIP.	2022-03-31
BC PIN (PHARMANET)	B.C specific internally unique Product Identification Number (PIN) used for publicly funded vaccine PharmaNet claims.	66128152
PRODUCT MONOGRAPH URL	URL for detailed information around the vaccine (e.g., indications, dose and administration, contradictions, warnings). For Health Canada DPD products, this is usually the product monograph. When product monograph is not available, the link may be to other authoritative sources such as WHO, US FDA, BC or US CDC.	https://pdf.hres.ca/dpd_pm/00062618.PDF