

BC Vaccine Catalog Data Dictionary (June 2024, Version 1.3)

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

Subset Name	BC Vaccine Relationship File
Tab	BC MIP to DIA, IA, and 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 with the precise ingredient, strength, dose form and relevant unit of presentation for use in Canada. Each product and associated metadata are categorized as “Detailed Immunizing Agent” (DIA) and “Immunizing Agent” (IA). MIP is a child of DIA and 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
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)

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Data Field	Description	Example
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
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

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Data Field	Description	Example
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, tetraaval. 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
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

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Data Field	Description	Example
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

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2. BC Vaccine Manufactured Immunizing Products (MIP)

Subset Name	BC Vaccine MIP
Tab	BC MIP (see Appendix A: BC Vaccine Catalog)
Description	Manufactured Immunizing Products (MIP) with parent Detailed Immunizing Agent (DIA) and selected denormalized metadata. This content includes brand specific vaccine products NOT available for prescribing and administration in Canada but can be used by clinicians to document vaccine histories of patients.

Field name	Description	Example
BC UNIQUE MIP CODE	Code used to uniquely identify the manufactured immunizing product.	2509210
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.	2509210
MIP PRODUCT NAME	Manufactured Immunizing Product name as listed by Health Canada.	COMIRNATY messenger ribonucleic acid 30 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug) - PURPLE CAP VIAL (12+ YEARS)
MIP SCT CODE	SNOMED CT code that represents the manufactured product (real clinical drug).	28581000087106

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Field name	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.	COMIRNATY messenger ribonucleic acid 30 micrograms per 0.3 milliliter suspension for injection BioNTech Manufacturing GmbH (real clinical drug) - PURPLE CAP VIAL (12+ YEARS)
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.	Suspension
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.	733020007
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).	Syringe (unit of presentation)
DESCRIPTOR	Detailed information on the presentation of the vaccine as listed in the Health Canada DPD.	Orange cap vial
NUMBER OF AIS	Number of active ingredients in the product as listed in the Health Canada DPD.	4
MARKET AUTHORIZATION HOLDER	Company Name of the market authorization holder for this vaccine product.	BioNTech Manufacturing GmbH
DIA SCT CODE	SNOMED CT code for a parent concept that categorizes the immunizing vaccine agent (medicinal product) details.	1119349007

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Field name	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 Severe acute respiratory syndrome coronavirus 2 messenger ribonucleic acid (medicinal product)
WHO ATC CODE	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	J07BX03
WHO ATC NAME	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) name of medicinal substances.	Covid-19 vaccines
DISPLAY NAME	Immunizing agent abbreviation including brand name and market authorization holder abbreviation to be used when displaying a list of vaccines to clinicians.	COVID-19 COMIRNATY 30 mcg/0.3 ml 12+ mRNA PB (Purple cap/Purple label) DILUTE BEFORE USE
MARKET AUTHORIZATION HOLDER	Market authorization holder (MAH), also referred to as the manufacturer which holds the notice of compliance, the drug identification number, the medical device license number, the product license number or has received approval to initiate clinical trials in Canada.	Sanofi Pasteur Limited
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.	2022-12-15

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Field name	Description	Example
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/00067155.PDF

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3. BC Detailed Immunizing Agents (DIA)

Subset Name	BC Detailed Immunizing Agents
Tab	BC DIA (see Appendix A: BC Vaccine Catalog)
Description	Detailed Immunizing Agents subset with parent immunizing agent (IA) and selected denormalized metadata. 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.

Field name	Description	Example
DIA SCT CODE	SNOMED CT code for a parent concept that categorizes the immunizing vaccine agent (medicinal product) details.	19401000087100
DIA SCT FORMAL NAME	SNOMED CT fully specified name for the concept	Vaccine product containing only Influenza virus 4 strains antigens (medicinal product)
DIA SHORT NAME	Detailed immunizing agent short name following existing conventions.	Influenza quadrivalent
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 aren't known.	Inf quadrivalent
IA SCT CODE	SNOMED CT code representing the type of immunizing vaccine agents (medicinal product).	1181000221105
IA SCT FORMAL NAME	Groups immunizing agents by the disease for which they provide active or passive protection.	Vaccine product containing only Influenza virus antigen (medicinal product)
IA SHORT NAME	Immunizing agent name.	Influenza
IA ABBREVIATION	Abbreviation for the immunizing agent	Inf

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4. BC Immunizing Agents (IA) Abbreviations

Subset Name	BC Immunizing Agents (IA) Abbreviations
Tab	BC IA (see Appendix A: BC Vaccine Catalog)
Description	Immunizing Agents (IAs). IAs group immunizing agents by the disease for which they provide active or passive protection

Field name	Description	Example
BC IA SCT CODE	SNOMED CT code representing the immunizing agent.	28531000087107
IA SCT FORMAL NAME	SNOMED CT fully specified name for the immunizing agent.	Vaccine product against severe acute respiratory syndrome coronavirus 2 (medicinal product)
IA SHORT NAME	Immunizing agent short name.	SARS-CoV-2
IA ABBREVIATION	Immunizing agent abbreviation	COVID-19

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5. WHO ATC Codes

Subset Name	World Health Organization (WHO) ATC Code J07 Vaccines
Tab	WHO ATC Vaccine Codes
Description	Distinct WHO ATC concepts assigned to type Manufactured Immunizing Products (MIP)

Field name	Description	Example
WHO ATC CODE	ATC code J07 Vaccines is a therapeutic subgroup of the Anatomical Therapeutic Chemical (ATC) Classification System	J07BB03
WHO ATC NAME	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) name of medicinal substances for vaccines.	Influenza, live attenuated

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6. Health Canada Route SNOMED CT (SCT) Mapping

Subset Name	Health Canada Route SCT Map
Tab	Health Canada Route SCT Mapping (see Appendix A: BC Vaccine Catalog)
Description	Health Canada route of administration code mapped to SNOMED CT route code

Field name	Description	Example
HEALTH CANADA ROUTE CODE	Possible routes of administration for this vaccine. Options list in the DPD are concatenated and separated by commas.	22
HEALTH CANADA ROUTE NAME	Full name of the route of administration concept.	Intramuscular
SCT ROUTE CODE	SNOMED CT-Route of administration for this vaccine.	78421000
SCT ROUTE NAME	SNOMED CT-Route of administration description (qualifier value).	Intramuscular

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7. Health Canada Form SNOMED CT (SCT) Mapping

Subset Name	Health Canada Form SCT Map
Tab	Health Canada Form SCT Mapping (see Appendix A: BC Vaccine Catalog)
Description	Health Canada form code mapped to SNOMED CT form codes

Field name	Description	Example
HEALTH CANADA FORM CODE	Available physical forms in which the vaccine is produced and dispensed (e.g., tablet, capsule, liquid, suspension).	79
HEALTH CANADA FORM NAME	Health Canada DPD name of the form concept.	Suspension
SCT FORM CODE	SNOMED CT-form	739008005
SCT FORM NAME	SNOMED CT-form description (qualifier value).	Suspension

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8. Non-Health Canada MIP Mapping

Subset Name	Non-Health Canada Manufactured Immunization Product Mapping
Tab	Non-Health Canada MIP Product
Description	Non- Health Canada Manufactured Immunization Products mapped to SNOMED CT codes

Field name	Description	Example
BC UNIQUE MIP CODE	SNOMED CT Code used to uniquely identify the manufactured immunizing product.	45861000087106
MIP PRODUCT NAME	Manufactured Immunizing Product name as listed by Health Canada.	Mosquirix (RTS,S)
MIP SCT CODE	SNOMED CT code that represents the manufactured product (real clinical drug).	45861000087106
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.	Vaccine product containing Plasmodium falciparum antigen (medicinal product)
DIA SCT CODE	SNOMED CT code for a MIP parent concept that categorizes the medicinal product details.	SCT TBD 29
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 malaria RTS,S/AS01 recombinant circumsporozoite protein antigen

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MARKET AUTHORIZATION HOLDER	Company Name of the market authorization holder for this vaccine product.	GalaxoSmithKline Biologicals
AVAILABILITY	Health Canada status of products approved for use in Canada (e.g., approved, marketed, cancelled post market, special access, international, and dormant).	International
WHO ATC CODE	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) code.	J07XA01
WHO ATC NAME	World Health Organization (WHO) Anatomical Therapeutic Chemical classification (ATC) name of medicinal substances.	Malaria vaccines
SNOMED CT ROUTE CODE	SNOMED CT code for routes of administration for this vaccine.	78421000
SNOMED CT ROUTE NAME	Descriptive name for route of administration for this vaccine	Intramuscular
MIP DISPLAY NAME	Manufactured Immunizing Product abbreviation identifying the real clinical drug name of vaccines to be used when displaying a list of vaccines to clinicians.	Malaria MOSQUIRIX
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://www.nitag-resource.org/sites/default/files/2022-05/mosquirix-medicine-overview_en.pdf

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9. BC Vaccine Status

Subset Name	BC Vaccine Status as of specified date
Tab	BC Vaccine Status
Description	Statuses of vaccines added to tabs in the catalogue

Field name	Description	Example
VACCINE CODE	Code used to uniquely identify the manufactured immunizing product or parent concept that categorizes the medicinal product details.	02531461
VACCINE DESCRIPTION	Manufactured Immunizing Product name, detailed categorization of the vaccine, immunizing agents by the disease, or information on the presentation of the vaccine as listed in the Health Canada.	Comirnaty Original & Omicron Ba.4/Ba.5
SOURCE	Spreadsheet tab or file where code is located	BC DIA
DATE	Date vaccine added to catalogue	2022-03-31
STATUS	Status of vaccine in catalogue	ADDED
NOTES	Additional reference notes	Replaced with DIN as primary key