



Office of the
Provincial Health Officer

British Columbia Chronic Disease Registries (BCCDR) Case Definitions
(Last Update: April 2024)

Population Health Surveillance and Epidemiology Branch

Office of the Provincial Health Officer

British Columbia (BC) Ministry of Health

(Contact: hlth.cdrwg@gov.bc.ca)

ISCHEMIC HEART DISEASE

Case Definition Type: Health Service Contact Prevalence Incidence Rate Lifetime Prevalence

Case Definition:

Two or more physician visits with Angina ICD-9 code 413, and one prescription (as specified in drug list below) within one year; OR
 One or more specialist visits with Angina ICD-9 code 413, and one prescription (as specified in drug list below) within one year; OR
 Two or more physician visits with two ICD-9 codes 410, 411, 412, 413, 414 within one year; OR
 One or more coronary artery bypass grafting (CABG), percutaneous coronary intervention (PCI), or percutaneous transluminal coronary angioplasty (PCTA) procedure; OR
 One or more hospitalizations with any ischemic heart disease diagnostic code.

Signed-off BC Case Definition: Yes - V2022 No

Notes: None

Age Restriction: 20+ years

Data Source(s):

Data Source	ICD Code/Procedure Code/Rx	ICD Code/Procedure Code Position	Diagnosis Type	Hospital Care Level
Hospital ICD-10 CCI	I20-I25 • CABG ○ 1IJ57LA ○ 1IJ57VS ○ 1IJ76 • PCI/PTCA ○ 1IJ50 ○ 1IJ57G	First Position Only <input type="checkbox"/> All positions <input checked="" type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>	M-Most Responsible Diagnosis <input checked="" type="checkbox"/> 1-Pre-Admit Comorbidity <input checked="" type="checkbox"/> 2-Post-Admit Comorbidity <input checked="" type="checkbox"/> 3-Secondary Diagnosis <input checked="" type="checkbox"/> 4-Morphology Code <input checked="" type="checkbox"/> 5-Admitting Diagnosis <input checked="" type="checkbox"/> 6-Proxy Most Responsible Diagnosis <input checked="" type="checkbox"/> 9-External Cause of Injury Code <input checked="" type="checkbox"/> 0-Newborn <input checked="" type="checkbox"/> W,X,Y- Service Transfer Diagnosis <input checked="" type="checkbox"/>	Acute Care <input checked="" type="checkbox"/> Rehabilitation <input checked="" type="checkbox"/> Day Surgery <input checked="" type="checkbox"/>
Hospital ICD-9 CCP	410-414 • CABG ○ 4811 ○ 4812 ○ 4813	First Position Only <input type="checkbox"/> All positions <input checked="" type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>	M-Most Responsible Diagnosis <input checked="" type="checkbox"/> 1-Pre-Admit Comorbidity <input checked="" type="checkbox"/> 2-Post-Admit Comorbidity <input checked="" type="checkbox"/> 3-Secondary Diagnosis <input checked="" type="checkbox"/>	Acute Care <input checked="" type="checkbox"/> Rehabilitation <input checked="" type="checkbox"/> Day Surgery <input checked="" type="checkbox"/>

	<ul style="list-style-type: none"> ○ 4814 ○ 4815 ○ 4816 ○ 4817 ○ 4819 ● PCI/PTCA: <ul style="list-style-type: none"> ○ 4802 ○ 4803 		4-Morphology Code <input checked="" type="checkbox"/> 5-Admitting Diagnosis <input checked="" type="checkbox"/> 6-Proxy Most Responsible Diagnosis <input checked="" type="checkbox"/> 9-External Cause of Injury Code <input checked="" type="checkbox"/> 0-Newborn <input checked="" type="checkbox"/> W,X,Y- Service Transfer Diagnosis <input checked="" type="checkbox"/>	
Practitioner Claims ICD-9	410-414	First Position Only <input type="checkbox"/> All positions <input checked="" type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>	N/A	N/A
Practitioner Claims ICD-10 CCI	I20-I25 <ul style="list-style-type: none"> ● CABG <ul style="list-style-type: none"> ○ 1IJ57LA ○ 1IJ57VS ○ 1IJ76 ● PCI/PTCA <ul style="list-style-type: none"> ○ 1IJ50 1IJ57G 	First Position Only <input type="checkbox"/> All positions <input checked="" type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>	N/A	N/A
PharmaNet Drug History	See drug list	N/A	N/A	N/A

Diagnostic Codes:

ICD-9/10	Description
I20	Angina pectoris
I21	Acute myocardial infarction
I22	Subsequent myocardial infarction
I23	Certain current complications following acute myocardial infarction
I24	Other acute ischaemic heart diseases
I25	Chronic ischaemic heart disease
410	Acute myocardial infarction
411	Other acute and subacute forms of ischaemic heart disease

V2022-23

412	Old myocardial infarction
413	Angina pectoris
414	Other forms of chronic ischaemic heart disease

Procedure Codes:

CCI/CCP Procedure Code	Description
1IJ57LA	Extraction, coronary arteries using open approach
1IJ57VS	Extraction, coronary arteries using open approach with placement/implant of stent
1IJ76	Bypass, coronary arteries (endoscopic or open approach)
1U50	Dilation, coronary artery
1IJ57G	Extraction, coronary arteries using percutaneous transluminal arterial approach
48.11	Aortocoronary Bypass For Heart Revascularization, Unqualified
48.12	Aortocoronary Bypass Of One Coronary Artery
48.13	Aortocoronary Bypass Of Two Coronary Arteries
48.14	Aortocoronary Bypass Of Three Coronary Arteries
48.15	Aortocoronary Bypass Of Four Or More Coronary Arteries
48.16	Single (Internal) Mammary-Coronary Artery Bypass
48.17	Double (Internal) Mammary-Coronary Artery Bypass
48.19	Single (Internal) Mammary-Coronary Artery Bypass
48.02	Percutaneous Transluminal Coronary Angioplasty Without Mention
48.03	Percutaneous Transluminal Coronary Angioplasty With Thrombolytic

Drug List:

DINPIN	DRUG_BRAND_NM	DRUG	DRUG_STRGTH	DSG_FORM
2041723	CORONEX	ISOSORBIDE DINITRATE	30 MG	TABLET
2042606	ISORDIL SUBLINGUAL TABLETS 5MG	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
2042614	ISORDIL 30 TITRADOSE TABLETS 30MG	ISOSORBIDE DINITRATE	30 MG	TABLET
2042622	ISORDIL 10 TITRADOSE TABLETS 10MG	ISOSORBIDE DINITRATE	10 MG	TABLET
2044811	CORONEX 5MG SUBLINGUAL TABLETS	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
2046156	TRANSDERM-NITRO 0.6	NITROGLYCERIN	0.6MG/HR	PATCH TD24
2046164	TRANSDERM-NITRO 0.8	NITROGLYCERIN	0.8MG/HR	PATCH TD24
2058472	ISMO TAB 20MG	ISOSORBIDE MONONITRATE	20 MG	TABLET
208973	ISORDIL 10 TITRADOSE TAB 10MG	ISOSORBIDE DINITRATE	10 MG	TABLET
2125218	CEDOCARD-SR SRT 40MG	ISOSORBIDE DINITRATE	40 MG	TABLET ER
2126559	IMDUR	ISOSORBIDE MONONITRATE	60 MG	TAB ER 24H

2145294	NITROGLYCERIN IN 5% DEXTROSE INJ.-100MCG/ML	NITROGLYCERIN IN 5 % DEXTROSE	25MG/250ML	INFUS. BTL
2145308	NITROGLYCERIN IN 5% DEXTROSE INJ.-200MCG/ML	NITROGLYCERIN IN 5 % DEXTROSE	50MG/250ML	INFUS. BTL
2145316	NITROGLYCERIN IN 5% DEXTROSE INJ.-400MCG/ML	NITROGLYCERIN IN 5 % DEXTROSE	100MG/250	INFUS. BTL
2162806	MINITRAN	NITROGLYCERIN	0.2MG/HR	PATCH TD24
2163527	MINITRAN	NITROGLYCERIN	0.4MG/HR	PATCH TD24
2163535	MINITRAN	NITROGLYCERIN	0.6MG/HR	PATCH TD24
2164337	MINITRAN - PATCH TRD 72MG/26.6 SQ CM	NITROGLYCERIN	0.8MG/HR	PATCH TD24
2182734	NITROGLYCERIN 5MG/ML AMP	NITROGLYCERIN	5 MG/ML	AMPUL
2213370	NITRO-DUR 0.3 - 60MG/15 SQ CM, 0.3MG/HR	NITROGLYCERIN	0.3 MG/HR	PATCH TD24
2230732	TRINIPATCH 0.2	NITROGLYCERIN	0.2MG/HR	PATCH TD24
2230733	TRINIPATCH 0.4	NITROGLYCERIN	0.4MG/HR	PATCH TD24
2230734	TRINIPATCH 0.6	NITROGLYCERIN	0.6MG/HR	PATCH TD24
2231441	NITROLINGUAL PUMPSPRAY	NITROGLYCERIN	400MCG/SPR	SPRAY
2238998	RHO-NITRO PUMPSPRAY	NITROGLYCERIN	400MCG/SPR	SPRAY
2243588	MYLAN-NITRO SUBLINGUAL SPRAY	NITROGLYCERIN	400MCG/SPR	SPRAY
2272830	APO-ISMN	ISOSORBIDE MONONITRATE	60 MG	TAB ER 24H
2301288	PMS-ISMN	ISOSORBIDE MONONITRATE	60 MG	TAB ER 24H
2308614	ISMN ER 60 MG TABLET	ISOSORBIDE MONONITRATE	60 MG	TAB ER 24H
2311321	PRO-ISMN - 60	ISOSORBIDE MONONITRATE	60 MG	TAB ER 24H
2393433	APO-NITROGLYCERIN	NITROGLYCERIN	400MCG/SPR	SPRAY
2407442	MYLAN-NITRO PATCH 0.2	NITROGLYCERIN	0.2MG/HR	PATCH TD24
2407450	MYLAN-NITRO PATCH 0.4	NITROGLYCERIN	0.4MG/HR	PATCH TD24
2407469	MYLAN-NITRO PATCH 0.6	NITROGLYCERIN	0.6MG/HR	PATCH TD24
2407477	MYLAN-NITRO PATCH 0.8	NITROGLYCERIN	0.8MG/HR	PATCH TD24
243116	ISORDIL SUBLINGUAL TAB 5MG	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
2446073	ISMN	ISOSORBIDE MONONITRATE	60 MG	TAB ER 24H
279536	ISORDIL 30 TITRADOSE TAB 30MG	ISOSORBIDE DINITRATE	30 MG	TABLET
299790	CARDILATE 10 TABLETS	ERYTHRITYL TETRANITRATE	10 MG	TABLET
342734	PERITRATE FORTE 80MG (D/C)	Unknown Generic Drug	NA	NA
3662	NITROGLYCERIN TAB 0.6MG	NITROGLYCERIN	0.6 MG	TAB SUBL
37613	NITROSTAT	NITROGLYCERIN	0.3 MG	TAB SUBL
37621	NITROSTAT	NITROGLYCERIN	0.6 MG	TAB SUBL
441686	ISDN	ISOSORBIDE DINITRATE	10 MG	TABLET

441694	ISDN	ISOSORBIDE DINITRATE	30 MG	TABLET
442925	NITRO BID ONT 2%	NITROGLYCERIN	2%	OINT. (G)
446661	CORONEX TAB 5MG	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
446688	CORONEX TAB 10MG	ISOSORBIDE DINITRATE	10 MG	TABLET
446696	CORONEX TAB 30MG	ISOSORBIDE DINITRATE	30 MG	TABLET
458686	NOVO-SORBIDE TAB 10MG	ISOSORBIDE DINITRATE	10 MG	TABLET
458694	NOVO-SORBIDE TAB 30MG	ISOSORBIDE DINITRATE	30 MG	TABLET
476579	PERITRATE FORTE TAB 80MG	PENTAERYTHRITOL TETRANITRATE	80 MG	TABLET
476587	PERITRATE SA 80MG TAB	PENTAERYTHRITOL TETRANITRATE	80 MG	TABLET ER
476595	PERITRATE TAB 10MG	PENTAERYTHRITOL TETRANITRATE	10 MG	TABLET
476609	PERITRATE TAB 20MG	PENTAERYTHRITOL TETRANITRATE	20 MG	TABLET
525529	NITRONG ONT 2%	NITROGLYCERIN	2%	OINT. (G)
576174	NITROSTAT IV 0.8MG/ML	NITROGLYCERIN	0.8 MG/ML	AMPUL
584223	TRANSDERM-NITRO 0.2	NITROGLYCERIN	0.2MG/HR	PATCH TD24
584258	ISOSORBIDE 30 TAB 30MG	ISOSORBIDE DINITRATE	30 MG	TABLET
584266	ISOSORBIDE 10 TAB 10MG	ISOSORBIDE DINITRATE	10 MG	TABLET
590673	NITROGARD SR TAB 1MG (D/C)	Unknown Generic Drug	NA	NA
590681	NITROGARD SR TAB 2MG (D/C)	Unknown Generic Drug	NA	NA
590738	NITROGARD SR TAB 3MG (D/C)	Unknown Generic Drug	NA	NA
590746	NITROGARD SR TAB 5MG (D/C)	Unknown Generic Drug	NA	NA
602892	NITRO BID IV INJ 5MG/ML	NITROGLYCERIN	5 MG/ML	VIAL
608785	NITROL ONT 2%	NITROGLYCERIN	2%	OINT. (G)
614262	NITROJECT INJ 1MG/ML	NITROGLYCERIN	1 MG/ML	VIAL
658812	ISOSORBIDE-5 TAB 5MG	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
660655	NITROSTAT INJ 5MG/ML	NITROGLYCERIN	5 MG/ML	VIAL
670944	ISDN	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
677469	PMS-ISOSORBIDE 5MG TAB SL	ISOSORBIDE DINITRATE	5 MG	TAB SUBL
695726	NITROLINGUAL SPRAY 0.4MG/AEM	NITROGLYCERIN	400MCG/SPR	SPRAY
725242	TRIDIL INJ 5MG/ML	NITROGLYCERIN	5 MG/ML	VIAL
740721	CEDOCARD-SR SRT 20MG	ISOSORBIDE DINITRATE	20 MG	TABLET ER
749362	NITROGARD-SR TAB 1MG	NITROGLYCERIN	1 MG	TAB BUC SA
749370	NITROGARD-SR TAB 5MG	NITROGLYCERIN	5 MG	TAB BUC SA
749389	NITROGARD-SR TAB 3MG	NITROGLYCERIN	3 MG	TAB BUC SA

749397	NITROGARD-SR TAB 2MG	NITROGLYCERIN	2 MG	TAB BUC SA
754188	NITROGLYCERIN INJ 5MG/ML	NITROGLYCERIN	5 MG/ML	AMPUL
778869	NITROJECT INJ 5MG/ML	NITROGLYCERIN	50 MG/10ML	VIAL
786640	ISOSORBIDE TAB 30MG	ISOSORBIDE DINITRATE	30 MG	TABLET
786667	PMS-ISOSORBIDE TAB 10MG	ISOSORBIDE DINITRATE	10 MG	TABLET
786683	CORADUR TAB 20MG	ISOSORBIDE DINITRATE	20 MG	TABLET ER
852384	TRANSDERM-NITRO 0.4	NITROGLYCERIN	0.4MG/HR	PATCH TD24
860778	NITROGLYCERIN INJECTION USP	NITROGLYCERIN	5 MG/ML	AMPUL
874213	NITRODISC - 0.2MG/H	NITROGLYCERIN	0.2MG/HR	PATCH TD24
874248	NITRODISC - 0.4MG/H	NITROGLYCERIN	0.4MG/HR	PATCH TD24
104736	NITRONG SRT 2.6MG	NITROGLYCERIN	2.6 MG	TABLET ER
125849	NITROCINE OINTMENT	NITROGLYCERIN	2%	OINT. (G)
14214	NITROGLYCERIN TAB 0.3MG (D/C)	Unknown Generic Drug	NA	NA
15954	NITROGLYCERIN TAB 0.3MG	NITROGLYCERIN	0.3 MG	TAB SUBL
15962	NITROGLYCERIN TAB 0.6MG	NITROGLYCERIN	0.6 MG	TAB SUBL
1911902	NITRO-DUR 0.4	NITROGLYCERIN	0.4MG/HR	PATCH TD24
1911910	NITRO-DUR 0.2	NITROGLYCERIN	0.2MG/HR	PATCH TD24
1911929	NITRO-DUR 0.6	NITROGLYCERIN	0.6MG/HR	PATCH TD24
1913921	TRIDIL INJECTION 5MG/ML	NITROGLYCERIN	5 MG/ML	VIAL
1926454	NITROL	NITROGLYCERIN	2%	OINT. (G)
1926721	NITROLINGUAL SPRAY 0.4MG/EAM	NITROGLYCERIN	400MCG/SPR	SPRAY
1927809	NITRONG SR SRT 2.6MG	NITROGLYCERIN	2.6 MG	TABLET ER
1946196	NITRONG ONT 2%	NITROGLYCERIN	2%	OINT. (G)
2011271	NITRO-DUR 0.8	NITROGLYCERIN	0.8MG/HR	PATCH TD24
202959	PERITRATE TAB 10MG (D/C)	Unknown Generic Drug	NA	NA
202967	PERITRATE TAB 20MG (D/C)	Unknown Generic Drug	NA	NA
202975	PERITRATE SR TAB 80MG (D/C)	Unknown Generic Drug	NA	NA
2041715	CORONEX	ISOSORBIDE DINITRATE	10 MG	TABLET

JUVENILE IDIOPATHIC ARTHRITIS

Case Definition Type: Health Service Contact Prevalence Incidence Rate Lifetime Prevalence

Case Definition:

One or more hospitalizations with a juvenile idiopathic arthritis diagnostic code, OR

Two or more physician visits with a juvenile idiopathic arthritis diagnostic code at least 8 weeks (56 days) apart within two years.

Signed-off BC Case Definition: Yes - V2022 No

Notes: BC CDR algorithm uses all practitioner claims diagnostic fields, while CCDSS uses only the first physician claim field.

Age Restriction: 0-15 years

Data Source(s):

Data Source	ICD Code/Procedure Code/Rx	ICD Code/Procedure Code Position	Diagnosis Type	Hospital Care Level
Hospital ICD-10	M05 M06 M07.0-M07.3 M08 M45	First Position Only <input type="checkbox"/> All positions <input checked="" type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>	M-Most Responsible Diagnosis <input checked="" type="checkbox"/> 1-Pre-Admit Comorbidity <input checked="" type="checkbox"/> 2-Post-Admit Comorbidity <input checked="" type="checkbox"/> 3-Secondary Diagnosis <input checked="" type="checkbox"/> 4-Morphology Code <input checked="" type="checkbox"/> 5-Admitting Diagnosis <input checked="" type="checkbox"/> 6-Proxy Most Responsible Diagnosis <input checked="" type="checkbox"/> 9-External Cause of Injury Code <input checked="" type="checkbox"/> 0-Newborn <input checked="" type="checkbox"/> W,X,Y- Service Transfer Diagnosis <input checked="" type="checkbox"/>	Acute Care <input checked="" type="checkbox"/> Rehabilitation <input checked="" type="checkbox"/> Day Surgery <input checked="" type="checkbox"/>
Hospital ICD-9	714.x 720.x	First Position Only <input type="checkbox"/> All positions <input checked="" type="checkbox"/> Others <input type="checkbox"/> N/A <input type="checkbox"/>	M-Most Responsible Diagnosis <input checked="" type="checkbox"/> 1-Pre-Admit Comorbidity <input checked="" type="checkbox"/> 2-Post-Admit Comorbidity <input checked="" type="checkbox"/> 3-Secondary Diagnosis <input checked="" type="checkbox"/> 4-Morphology Code <input checked="" type="checkbox"/> 5-Admitting Diagnosis <input checked="" type="checkbox"/> 6-Proxy Most Responsible Diagnosis <input checked="" type="checkbox"/>	Acute Care <input checked="" type="checkbox"/> Rehabilitation <input checked="" type="checkbox"/> Day Surgery <input checked="" type="checkbox"/>