



Office of the
Provincial Health Officer

**British Columbia Chronic Disease Registries (BCCDR) Case Definitions
(Last Update: Apr 2022)**

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 hospitalization with any ischemic heart disease diagnostic code.

Signed-off BC Case Definition: Yes - V2020 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 <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"/>	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 <ul style="list-style-type: none"> • CABG <ul style="list-style-type: none"> ○ 4811 ○ 4812 ○ 4813 ○ 4814 ○ 4815 	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"/>	Acute Care <input checked="" type="checkbox"/> Rehabilitation <input checked="" type="checkbox"/> Day Surgery <input checked="" type="checkbox"/>

	<ul style="list-style-type: none"> ○ 4816 ○ 4817 ○ 4819 ● PCI/PTCA: <ul style="list-style-type: none"> ○ 4802 ○ 4803 		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"/>	
Physician 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
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
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
3662	NITROGLYCERIN
14214	NITROGLYCERIN TAB 0.3MG (D/C)
15954	NITROGLYCERIN
15962	NITROGLYCERIN
37613	NITROGLYCERIN
37621	NITROGLYCERIN
104736	NITROGLYCERIN
125849	NITROGLYCERIN
202959	PERITRATE TAB 10MG (D/C)
202967	PERITRATE TAB 20MG (D/C)
202975	PERITRATE SR TAB 80MG (D/C)
208973	ISOSORBIDE DINITRATE

243116	ISOSORBIDE DINITRATE
279536	ISOSORBIDE DINITRATE
299790	CARDILATE 10 TABLETS
342734	PERITRATE FORTE 80MG (D/C)
441686	ISOSORBIDE DINITRATE
441694	ISOSORBIDE DINITRATE
442925	NITROGLYCERIN
446661	ISOSORBIDE DINITRATE
446688	ISOSORBIDE DINITRATE
446696	ISOSORBIDE DINITRATE
458686	ISOSORBIDE DINITRATE
458694	ISOSORBIDE DINITRATE
476579	PERITRATE FORTE TAB 80MG
476587	PERITRATE SA 80MG TAB
476595	PERITRATE TAB 10MG
476609	PERITRATE TAB 20MG
525529	NITROGLYCERIN
576174	NITROGLYCERIN
584223	NITROGLYCERIN
584258	ISOSORBIDE DINITRATE
584266	ISOSORBIDE DINITRATE
590673	NITROGARD SR TAB 1MG (D/C)
590681	NITROGARD SR TAB 2MG (D/C)
590738	NITROGARD SR TAB 3MG (D/C)
590746	NITROGARD SR TAB 5MG (D/C)
602892	NITROGLYCERIN
608785	NITROGLYCERIN
614262	NITROGLYCERIN
658812	ISOSORBIDE DINITRATE
660655	NITROGLYCERIN
670944	ISOSORBIDE DINITRATE
677469	ISOSORBIDE DINITRATE
695726	NITROGLYCERIN
725242	NITROGLYCERIN

740721	ISOSORBIDE DINITRATE
749362	NITROGLYCERIN
749370	NITROGLYCERIN
749389	NITROGLYCERIN
749397	NITROGLYCERIN
754188	NITROGLYCERIN
778869	NITROGLYCERIN
786640	ISOSORBIDE DINITRATE
786667	ISOSORBIDE DINITRATE
786683	ISOSORBIDE DINITRATE
852384	NITROGLYCERIN
860778	NITROGLYCERIN
874213	NITROGLYCERIN
874248	NITROGLYCERIN
1911902	NITROGLYCERIN
1911910	NITROGLYCERIN
1911929	NITROGLYCERIN
1913921	NITROGLYCERIN
1926454	NITROGLYCERIN
1926721	NITROGLYCERIN
1927809	NITROGLYCERIN
1946196	NITROGLYCERIN
2011271	NITROGLYCERIN
2041715	ISOSORBIDE DINITRATE
2041723	ISOSORBIDE DINITRATE
2042606	ISOSORBIDE DINITRATE
2042614	ISOSORBIDE DINITRATE
2042622	ISOSORBIDE DINITRATE
2044811	ISOSORBIDE DINITRATE
2046156	NITROGLYCERIN
2046164	NITROGLYCERIN
2058472	ISOSORBIDE MONONITRATE
2125218	ISOSORBIDE DINITRATE
2126559	ISOSORBIDE MONONITRATE

2145294	NITROGLYCERIN/D5W
2145308	NITROGLYCERIN/D5W
2145316	NITROGLYCERIN/D5W
2162806	NITROGLYCERIN
2163527	NITROGLYCERIN
2163535	NITROGLYCERIN
2164337	NITROGLYCERIN
2182734	NITROGLYCERIN
2213370	NITROGLYCERIN
2230732	NITROGLYCERIN
2230733	NITROGLYCERIN
2230734	NITROGLYCERIN
2231441	NITROGLYCERIN
2238998	NITROGLYCERIN
2243588	NITROGLYCERIN
2272830	ISOSORBIDE MONONITRATE
2301288	ISOSORBIDE MONONITRATE
2393433	NITROGLYCERIN
2407442	NITROGLYCERIN
2407450	NITROGLYCERIN
2407469	NITROGLYCERIN
2407477	NITROGLYCERIN