



Ministry of Health

BC Chronic Disease and Selected Procedure Case Definitions

Author:	Chronic Disease Information Working Group
Date Created:	June 29, 2015
Last Updated:	April 4, 2019
Version:	v2017
Email:	hlth.cdrwg@gov.bc.ca

GLOSSARY

Cumulative Prevalence

It is also known as Prevalence for Life. Cases meet case definition criteria to qualify in a given year, and are then carried forward to show as a case every year thereafter. This measure is helpful for determining prevalence related to life-long chronic disease, but less useful for conditions that may be episodic (e.g., mood disorders, substance use problem, etc.).

Episodic Prevalence

Cases meet case definition criteria to qualify in a given year, and are then carried forward in all subsequent years with at least one condition-related code including ICD diagnostic codes, procedure codes or drugs in any specific year. For some conditions (e.g., Gout/crystal arthropathies), the period for at least one recurring diagnosis is the last five years.

Annual Prevalence

Cases meet case definition criteria to qualify in each given year. Can be used as a quality measure to understand how it compares to cumulative prevalence or how it behaves over time.

Annual Service Utilization Prevalence

Cases meet case definition criteria in a given year by virtue of one hospital diagnosis (MRDX) or one physician claim with diagnosis (first position only). Cases are not carried forward from year to year. This utilization prevalence measure is useful for describing the number of people or proportion of the population using services directly related to the disease.

Annual Prevalence with 365 Days follow-up

Cases meet case definition criteria to qualify in each given year with complete 365 days follow-up time. Can be used as a quality measure to understand how it compares to cumulative prevalence or how it behaves over time.

CASE DEFINITION – ISCHEMIC HEART DISEASE

Case Definition Type: Cumulative Prevalence Episodic Prevalence Annual Prevalence Annual Service Utilization Prevalence
 Annual Prevalence with 365 Days Follow-up

Case Definition: The case definition for Ischaemic Heart Disease requires two physician visits with Angina ICD-9 code 413 plus one prescription (as specified in drug list below) in one year; or one specialist visit with Angina ICD-9 code 413 plus one prescription (as specified in drug list below) in one year; or two physician visits with two ICD-9 codes 410, 411, 412, 413, 414 in one year; or one CABG,PCI/PCTA procedure code specified below; or one hospitalization with any IHD code(s) specified below. The case definition applies to persons aged 20 and older.

Signed-off BC Case Definition: Yes - V2017 No

Algorithm: 2 Angina ICD-9 (413) P+1Rx in 365; or 1 Angina ICD-9 SP + 1Rx in 365; or 2 (410,411,412,413,414) ICD-9 2P in 365; or 1 CABG, PCI/PCTA procedure code; or 1 H IHD ICD-9/ICD-10

Notes: None

Age Restriction: Age 20 +

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 	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"> ○ 4815 ○ 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:

DIN	DRUGNAME
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