

HYPERTENSION

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

Case Definition:

One or more hospitalizations with a hypertension diagnostic code, OR
 Two or more physician visits with a hypertension diagnostic code within two years.

Update to CDR V2022/23:

As of 2022, Canadian Institute for Health Information now requires hypertension to be recorded whenever documented by a physician or primary care provider, regardless of significance. This has led to a notable increase in hospital-based hypertension records in fiscal year 2022/23 which at least partially explains the rise in hypertension incidence rates in the 2022/23 dashboard data. This coding change may lead to future revisions to the algorithm used to identify cases.

Signed-off BC Case Definition: Yes - V2022 No

Notes: Cases of suspected gestational hypertension in women aged 10-54 are not included by excluding hospitalizations and practitioner claims within the time period 120 days preceding or 180 days after hospital records containing birth-related diagnostic codes (see gestational hypertension exclusion codes below).

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	I10	First Position Only <input type="checkbox"/>	M-Most Responsible Diagnosis <input checked="" type="checkbox"/>	Acute Care <input checked="" type="checkbox"/>
	I11	All positions <input checked="" type="checkbox"/>	1-Pre-Admit Comorbidity <input checked="" type="checkbox"/>	Rehabilitation <input checked="" type="checkbox"/>
	I12	Others <input type="checkbox"/>	2-Post-Admit Comorbidity <input checked="" type="checkbox"/>	Day Surgery <input checked="" type="checkbox"/>
	I13	N/A <input type="checkbox"/>	3-Secondary Diagnosis <input checked="" type="checkbox"/>	
	I15		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"/>	
Hospital ICD-9	401 402 403 404 405	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"/>
Practitioner Claims ICD-9	401 402 403 404 405	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	I10 I11 I12 I13 I15	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	N/A	N/A	N/A	N/A

Diagnostic Code:

ICD-9/10	Description
I10	Essential (primary) hypertension
I11	Hypertensive heart disease
I12	Hypertensive renal disease

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113	Hypertensive heart and renal disease
115	Secondary hypertension
401	Essential hypertension
402	Hypertensive heart disease
403	Hypertensive renal disease
404	Hypertensive heart and renal disease
405	Secondary hypertension
Gestational Hypertension Exclusion Codes	
641	Antepartum haemorrhage, abruptio placentae, and placenta praevia

Procedure Code: N/A

Drug List: N/A