



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](mailto:hlth.cdrwg@gov.bc.ca))**

## OSTEOPOROSIS

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

Case Definition:

One or more hospitalizations with an osteoporosis diagnostic code, OR  
 Two or more physician visits with an osteoarthritis diagnostic code within one year, OR  
 Two or more prescriptions within one year (drug codes as specified below).

Signed-off BC Case Definition: Yes  - V2022 No

Notes: None

Age Restriction: 50+ years

Data Source(s):

Data Source	ICD Code/Procedure Code/Rx	ICD Code/Procedure Code Position	Diagnosis Type	Hospital Care Level
Hospital ICD-10	M80-M82	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	733.0	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"/>

			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	733	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	M80-M82	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 Code:

ICD-9/10	Description
M80	Osteoporosis with pathological fracture
M81	Osteoporosis without pathological fracture
M82	Osteoporosis in diseases classified elsewhere
733	Other disorders of bone and cartilage
733.0	Osteoporosis

Procedure Code: N/A

Drug List:

DINPIN	DRUG_BRAND_NM	DRUG	DRUG_STRGTH	DSG_FORM
454087	DIDRONEL TAB 200MG (D/C)	Unknown Generic Drug	NA	NA
582522	DIDRONEL TAB 200MG	ETIDRONATE DISODIUM	200 MG	TABLET
584703	CALCIMAR SOLUTION INJ 200UNIT/ML	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
723428	CALCIMAR SOLUTION INJ 200UNIT/ML	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
1908480	DIDRONEL INJ 50MG/ML	ETIDRONATE DISODIUM	50 MG/ML	AMPUL
1926691	CALCIMAR SOLUTION INJ 200UNIT/ML	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
1940376	CALTINE INJ 100UNIT/ML (0.5ML AMP)	CALCITONIN,SALMON,SYNTHETIC	100/ML	AMPUL
1990926	MIACALCIN 50 UNIT/ML AMPUL	CALCITONIN,SALMON,SYNTHETIC	50 UNIT/ML	AMPUL

1992880	MIACALCIN 100 UNIT/ML AMPUL	CALCITONIN,SALMON,SYNTHETIC	100/ML	AMPUL
1997629	DIDRONEL TAB 200MG	ETIDRONATE DISODIUM	200 MG	TABLET
2007134	CALTINE INJ 100 UNIT/ML (1ML AMP)	CALCITONIN,SALMON,SYNTHETIC	100/ML	AMPUL
2144301	MIACALCIN INJECTION 200IU/ML	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
2176017	DIDROCAL	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2201011	FOSAMAX	ALENDRONATE SODIUM	10 MG	TABLET
2201038	FOSAMAX	ALENDRONATE SODIUM	40 MG	TABLET
2233022	RHO-CALCITONIN 200 UNIT/ML INJ	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
2233055	FOSAMAX	ALENDRONATE SODIUM	5 MG	TABLET
2239028	EVISTA (60MG)	RALOXIFENE HCL	60 MG	TABLET
2239146	ACTONEL	RISEDRONATE SODIUM	30 MG	TABLET
2240775	MIACALCIN NASAL SPRAY 200 IU	CALCITONIN,SALMON,SYNTHETIC	200/SPRAY	SPRAY/PUMP
2242518	ACTONEL	RISEDRONATE SODIUM	5 MG	TABLET
2245329	FOSAMAX	ALENDRONATE SODIUM	70 MG	TABLET
2245330	MYLAN-ETIDRONATE	ETIDRONATE DISODIUM	200 MG	TABLET
2245331	GEN-ETIDRONATE 400 MG TAB	ETIDRONATE DISODIUM	400 MG	TABLET
2246058	APO-CALCITONIN INJECTABLE	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
2246896	ACTONEL	RISEDRONATE SODIUM	35 MG	TABLET
2247323	MYLAN-ETI-CAL CAREPAC	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2247373	TEVA-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2247585	APO-CALCITONIN NASAL SPRAY	CALCITONIN,SALMON,SYNTHETIC	200/SPRAY	SPRAY/PUMP
2248251	TEVA-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2248625	FOSAMAX	ALENDRONATE SODIUM	70 MG/75ML	SOLUTION
2248686	ACT ETIDRONATE	ETIDRONATE DISODIUM	200 MG	TABLET
2248687	ACT ETIDRONATE	ETIDRONATE DISODIUM	400 MG	TABLET
2248727	APO-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2248728	APO-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2248729	APO-ALENDRONATE	ALENDRONATE SODIUM	40 MG	TABLET
2248730	APO-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2254689	FORTEO	TERIPARATIDE	20 MCG	PEN INJCTR
2258102	ACT ALENDRONATE	ALENDRONATE SODIUM	40 MG	TABLET
2258110	ACT ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2261715	TEVA-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET

2261766	SANDOZ-CALCITONIN NS	CALCITONIN,SALMON,SYNTHETIC	200/SPRAY	SPRAY/PUMP
2263866	ACT ETIDROCAL	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2269198	ACLASTA	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL
2270110	GEN-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2270129	MYLAN-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2270870	RIVA ALENDRONATE	ALENDRONATE SODIUM	40 MG	TABLET
2270889	RIVA-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2273179	PMS-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2275279	RATIO ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2276429	FOSAVANCE	ALENDRONATE SODIUM/VITAMIN D3	70 MG-2800	TABLET
2276844	APO-ETIDRONATE	ETIDRONATE DISODIUM	200 MG	TABLET
2276852	APO-ETIDRONATE	ETIDRONATE DISODIUM	400 MG	TABLET
2279215	APO-RALOXIFENE	RALOXIFENE HCL	60 MG	TABLET
2279657	ACTONEL PLUS CALCIUM	RISEDRONATE SOD/CALCIUM CARB	35MG-500MG	TAB DS PK
2282763	DOM-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2282771	PHL-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2284006	PMS-ALENDRONATE-FC	ALENDRONATE SODIUM	70 MG	TABLET
2286327	GEN-ALENDRONATE 40 MG TAB	ALENDRONATE SODIUM	40 MG	TABLET
2286335	MYLAN-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2288079	SANDOZ ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2288087	SANDOZ ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2288095	SANDOZ ALENDRONATE	ALENDRONATE SODIUM	40 MG	TABLET
2288109	SANDOZ ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2297787	ACTONEL	RISEDRONATE SODIUM	75 MG	TABLET
2298376	TEVA-RISEDRONATE	RISEDRONATE SODIUM	5 MG	TABLET
2298384	TEVA-RISEDRONATE	RISEDRONATE SODIUM	30 MG	TABLET
2298392	TEVA-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2299712	ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2302004	ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2302209	PMS-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2303035	ALENDRONATE-5 5 MG TABLET	ALENDRONATE SODIUM	5 MG	TABLET
2303043	ALENDRONATE-10 10 MG TABLET	ALENDRONATE SODIUM	10 MG	TABLET
2303051	ALENDRONATE-40 40 MG TABLET	ALENDRONATE SODIUM	40 MG	TABLET

2303078	ALENDRONATE-70	ALENDRONATE SODIUM	70 MG	TABLET
2308398	DOM-ALENDRONATE-FC	ALENDRONATE SODIUM	70 MG	TABLET
2309831	DOM-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2309874	PHL-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2311046	PRO-CALCITONIN - 200	CALCITONIN,SALMON,SYNTHETIC	200/SPRAY	SPRAY/PUMP
2312298	TEVA-RALOXIFENE	RALOXIFENE HCL	60 MG	TABLET
2314940	FOSAVANCE	ALENDRONATE SODIUM/VITAMIN D3	70 MG-5600	TABLET
2316838	ACTONEL	RISEDRONATE SODIUM	150 MG	TABLET
2319861	RATIO-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2324199	NOVO-ETIDRONATECAL	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2326981	TEVA-RISEDRONATE/CALCIUM	RISEDRONATE SOD/CALCIUM CARB	35MG-500MG	TAB DS PK
2327295	SANDOZ RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2338696	CO RISEDRONATE 30 MG TABLET	RISEDRONATE SODIUM	30 MG	TABLET
2338718	CO RISEDRONATE 35 MG TABLET	RISEDRONATE SODIUM	35 MG	TABLET
2341077	RIVA-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2343541	PROLIA	DENOSUMAB	60 MG/ML	SYRINGE
2343916	ALENDRONATE	ALENDRONATE SODIUM	40 MG	TABLET
2343924	ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2347202	SIG-ETIDRONATE 200 MG TABLET	ETIDRONATE DISODIUM	200 MG	TABLET
2347210	SIG-ETIDRONATE 400 MG TABLET	ETIDRONATE DISODIUM	400 MG	TABLET
2347474	RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2347938	SIG-ALENDRONATE 40 MG TABLET	ALENDRONATE SODIUM	40 MG	TABLET
2347946	SIG-ALENDRONATE 70 MG TABLET	ALENDRONATE SODIUM	70 MG	TABLET
2347954	SIG-ETIDROCAL PACK	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2347962	ETIDRONATE	ETIDRONATE DISODIUM	200 MG	TABLET
2347970	ETIDRONATE	ETIDRONATE DISODIUM	400 MG	TABLET
2347989	ETIDROCAL	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2351390	CO RISEDRONATE 75 MG TABLET	RISEDRONATE SODIUM	75 MG	TABLET
2352141	RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2352915	CO RISEDROCAL COMBO KIT	RISEDRONATE SOD/CALCIUM CARB	35MG-500MG	TAB DS PK
2352958	ALENDRONATE 40 MG TABLET	ALENDRONATE SODIUM	40 MG	TABLET
2352966	ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2353210	ETIDROCAL	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK

2353687	APO-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2357984	MYLAN-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2358697	NTP-ETIDRONATE CALCIUM	ETIDRONATE/CALCIUM CARBONATE	400MG-1.25	TAB DS PK
2358840	ACT RALOXIFENE	RALOXIFENE HCL	60 MG	TABLET
2358883	NTP-RISEDRONATE	RISEDRONATE SODIUM	5 MG	TABLET
2358891	NTP-RISEDRONATE	RISEDRONATE SODIUM	30 MG	TABLET
2358905	NTP-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2358921	PMS-RALOXIFENE	RALOXIFENE HCL	60 MG	TABLET
2362414	PMS-RISEDRONATE PLUS CALCIUM	RISEDRONATE SOD/CALCIUM CARB	35MG-500MG	TAB DS PK
2364794	AVA-RISEDRONATE 5 MG TABLET	RISEDRONATE SODIUM	5 MG	TABLET
2364808	AVA-RISEDRONATE 30 MG TABLET	RISEDRONATE SODIUM	30 MG	TABLET
2364816	AVA-RISEDRONATE 35 MG TABLET	RISEDRONATE SODIUM	35 MG	TABLET
2365057	AVA-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2365065	AVA-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2365073	AVA-ALENDRONATE	ALENDRONATE SODIUM	40 MG	TABLET
2365081	AVA-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2368153	XGEVA	DENOSUMAB	120 MG/1.7	VIAL
2368552	JAMP-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2370239	RISEDRONATE	RISEDRONATE SODIUM	5 MG	TABLET
2370247	RISEDRONATE	RISEDRONATE SODIUM	30 MG	TABLET
2370255	RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2370417	ACTONEL DR	RISEDRONATE SODIUM	35 MG	TABLET DR
2372304	Q-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2377446	Q-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2377721	APO-RISEDRONATE	RISEDRONATE SODIUM	150 MG	TABLET
2381478	ACH-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2381486	ACH-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2381494	ACH-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2383233	CALCITONIN (SALMON) INJECTION, BP	CALCITONIN,SALMON,SYNTHETIC	200/ML	VIAL
2384698	RAN-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2384701	RAN-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2384728	RAN-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2385015	JAMP-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET

2385023	JAMP-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2385031	JAMP-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2388545	AURO-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2388553	AURO-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2394855	MINT-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2394863	MINT-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2394871	MINT-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2397773	MYLAN-RISEDRONATE	RISEDRONATE SODIUM	150 MG	TABLET
2401118	ACCEL-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2401126	ACCEL-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2401134	ACCEL-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2403633	TEVA-ALENDRONATE/CHOLECALCIFEROL	ALENDRONATE SODIUM/VITAMIN D3	70 MG-2800	TABLET
2403641	TEVA-ALENDRONATE/CHOLECALCIFEROL	ALENDRONATE SODIUM/VITAMIN D3	70 MG-5600	TABLET
2405717	ALENDRONATE-CHOLECALCIFEROL	ALENDRONATE SODIUM/VITAMIN D3	70 MG-2800	TABLET
2405725	ALENDRONATE-CHOLECALCIFEROL	ALENDRONATE SODIUM/VITAMIN D3	70 MG-5600	TABLET
2406284	AURO-RISEDRONATE	RISEDRONATE SODIUM	5 MG	TABLET
2406292	AURO-RISEDRONATE	RISEDRONATE SODIUM	30 MG	TABLET
2406306	AURO-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2408082	ZOLEDRONIC ACID INJECTION	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL
2408449	ACT ZOLEDRONIC ACID	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL
2411407	RISEDRONATE-35	RISEDRONATE SODIUM	35 MG	TABLET
2413809	TEVA-RISEDRONATE	RISEDRONATE SODIUM	150 MG	TABLET
2415100	TARO-ZOLEDRONIC ACID	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL
2415852	RALOXIFENE	RALOXIFENE HCL	60 MG	TABLET
2421720	ZOLEDRONIC ACID - A	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL
2422433	ZOLEDRONIC ACID INJECTION	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL
2424177	PMS-RISEDRONATE	RISEDRONATE SODIUM	150 MG	TABLET
2427354	PENDO-RISEDRONATE	RISEDRONATE SODIUM	35 MG	TABLET
2428717	VAN-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2428725	VAN-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2428733	VAN-ALENDRONATE	ALENDRONATE SODIUM	70 MG	TABLET
2429160	SANDOZ ALENDRONATE/CHOLECALCIFEROL	ALENDRONATE SODIUM/VITAMIN D3	70 MG-5600	TABLET
2442760	AURO-RISEDRONATE	RISEDRONATE SODIUM	150 MG	TABLET



2454467	APO-ALENDRONATE/VITAMIN D3	ALENDRONATE SODIUM/VITAMIN D3	70 MG-2800	TABLET
2454475	APO-ALENDRONATE/VITAMIN D3	ALENDRONATE SODIUM/VITAMIN D3	70 MG-5600	TABLET
2476398	RIVA-ALENDRONATE	ALENDRONATE SODIUM	5 MG	TABLET
2476401	RIVA-ALENDRONATE	ALENDRONATE SODIUM	10 MG	TABLET
2479311	ZOLEDRONIC ACID INJECTION	ZOLEDRONIC ACID/MANNITOL-WATER	5 MG/100ML	PGGYBK BTL