

**Appendix 4.** Definition of baseline characteristics using diagnostic and procedural codes

Characteristic	Database	Codes
Age	RPDB	
Sex	RPDB	
Neighbourhood income	RPDB	Neighborhood income quintiles were defined using methods developed at Statistics Canada based on 2001 Dissemination Areas, which are the smallest geographic areas for which Canadian population data are released. This indicator is a household size-adjusted measure of income adequacy based on Census summary data for each Dissemination Area, which have average population sizes of 400 to 700. <sup>50</sup>
Echocardiograms	CIHI (CCI) CIHI (CCP) OHIP-Fee	2HZ23 02.82 G111, G112, G315
Stress Tests	CIHI (CCI) CIHI (CCP) OHIP-Fee	2HZ08 3.41-3.44 G560-G562, G566-G578
Diabetes	Identification in the Ontario Diabetes Database (ODD)	
COPD	Identification in the COPD dataset	
Hypertension	CIHI (ICD-9)	401.0-405.9
	CIHI (ICD-10)	I10-I13, I15
	OHIP-Dx	401-402
Validated ICES algorithm used: Diagnosis present in the discharge abstract of any hospitalization OR at least two physician outpatient claims		
Hypercholesterolemia	CIHI (ICD-9)	272.0-272.9
	CIHI (ICD-10)	E78
	OHIP-Dx	272
Chronic kidney diseases	CIHI (ICD-9) <sup>††</sup>	582-582.9, 583-583.7, 586, 585, 588-588.9
	CIHI (ICD-10) <sup>‡</sup>	N01 N03 N18 N19 N25 N052 N053 N054 N055 N056 N072 N073 N074
	OHIP-Dx	403, 584, 580, 581, 585, 593, 788
	CIHI (CCP)	51.27, 51.42, 51.43, 51.95, 66.98
	CIHI (CCI)	1OT53DATS, 1OT53HATS, 1OT53LATS, 1PZ21HPD4 ,1PZ21HQBR, 1SY55LAFT, 7SC59QD, 1KY76LA, 1KY76LASJ, 1KY76LAXXA, 1KY76LAXXL, 1KY76LAXXN, 1KY80LA, 1KY80LAXXA, 1KY80LAXXK, 1KY80LAXXN, 1KG76MZXXA, 1KG76MZXXN
	OHIP-Fee	R850, G324, G336, G325, G326, G327, G860, G862, G863, G865, G866, G099, R825, R826, R827, R833, R840, R841, R843, R848, R851, Z450, Z451, Z452, G332, G861, G864, R852, R853, R854, R885, G082, G083, G085, G090, G091, G092, G094, G096, G333, H540, H740
Validated ICES algorithm used: presence of any one of the codes above		
Psychiatric disorders	CIHI (ICD-9)	290.0-319
	CIHI (ICD-10)	F000-F99
	OHIP-Dx	290-319

CCI= Canadian Classification of Health Interventions; CCP= Canadian Classification of Diagnostic, Therapeutic and Surgical Procedures; CIHI= Canadian institute for Health Information; ICD= International Classification of Diseases; OHIP-Dx= Ontario Health Insurance Plan Diagnostic codes; OHIP-Fee= Ontario Health Insurance Plan Fee codes; RPDB= registered persons database