

Supplementary Table 1: Outcome definition – a cardiovascular event defined as:

Acute myocardial infarction	ICD9: 410 ICD10: I21, I22
Stroke	ICD9: 430, 431, 434, 436, 3623 ICD10: I60, I61, I63 (excluding I63.6), I64, H341
Congestive heart failure	ICD9: 428 ICD10: I50
Percutaneous coronary intervention	CCP codes: 4802, 4803, 4809 CCI codes: 1IJ50, 1IJ57GQ
Coronary artery bypass graft surgery	CCP code: 481 CCI code: 1IJ76
CCI indicates Canadian Classification of Health Interventions; CCP, Canadian Classification of Diagnostic, Therapeutic, and Surgical Procedures; ICD, International Classification of Disease.	

Supplementary Table 2: Baseline comorbidity definitions.

Diabetes	One or more hospitalizations or two or more OHIP claims or one or more OHIP fee codes OHIP: 250 Fee code: Q040, K029, K030 ICD9: 250 ICD10: E10-E14
COPD/Asthma	One or more hospitalizations or two or more OHIP claims for asthma within 2 years; or one or more OHIP claims for COPD OHIP: 491, 492, 493, 496 ICD9: 491, 492, 493, 496 ICD10: J41, J42, J43, J44, J45, J46,
Coronary artery disease	One or more hospitalizations or two or more OHIP claims OHIP: 412 ICD9: 410, 411, 412, 413, 414 ICD10: I20, I21, I22, I23, I24, I250, I251, I252, I254, I255, I256, I258, I259
Cancer	One or more hospitalizations or two or more OHIP claims OHIP: 140 to 209 ICD9: 140 to 209 ICD10: C00 to C100
Extra-articular RA Features	One or more hospitalizations or two or more OHIP claims OHIP: 511, 515, 466, 686 ICD 9: 515, 379, 446, 7148, 5110, 5118, 5119, 5064, 5081, 5163, 7707, 7141, 7142, 7102, 6860, 3571, 3540, 3555, 2773 ICD10: J90, J91, J84, I39, H15, L95, L88, E85, J990, M050, I528, I418, I328, H193, M350, M051, M052, M053, G635, G560, G575
Osteoporosis	One or more hospitalizations or two or more OHIP claims OHIP: 733 ICD9: 7330 ICD10: M80, M81
Acute myocardial infarction	One or more hospitalizations ICD-9: 410, 412 ICD10: I21, I22, I252
Chronic renal failure	One or more hospitalizations or OHIP claims OHIP: 403, 404, 585 ICD9: 403, 404, 585, V56 ICD10: N18, Z49, Z992, T824, I120, V451, N032, N033, N034, N035, N036, N037, N052, N053, N054, N055, N056, N057, I131, I132,
Acute renal failure	One or more hospitalizations or OHIP claims OHIP: 584, 586 ICD9: 584, 586 ICD10: N17, N19
Cerebrovascular disease	One or more hospitalizations ICD9: 434, 436 ICD10: I63, I64
Hypertension	Two or more OHIP claims within 2 years or one or more hospitalizations OHIP: 401, 402, 403, 404, 405 ICD-9: 401, 402, 403, 404, 405 ICD-10: I10, I11, I12, I13, I15
Osteoarthritis	One or more hospitalizations or two or more OHIP claims OHIP: 715 ICD9: 715 ICD10: M15-M19
OHIP: Ontario Health Insurance Plan – uses a coding system similar to ICD9. ICD: International Classification of Diseases	

Supplementary Table 3: Multivariable analysis among 19,942 RA patients free of prior cardiovascular disease at cohort entry (Model B).

Variable	HR ¹	95% CI	p-value
MAIN EXPOSURES ^{2,3}			
Continuous use of MTX in first year only	0.86	0.74, 0.99	0.0388
Continuous use of other csDMARDs in first year only	0.91	0.80, 1.05	0.2040
CUMULATIVE USE OVER FOLLOW-UP ^{2,3}			
Glucocorticosteroids	1.08	1.05, 1.11	<.0001
NSAIDs	1.04	0.99, 1.09	0.1280
COXIBs	1.04	1.00, 1.07	0.0265
Anti-TNF	1.03	0.93, 1.14	0.5887
Other bDMARDs	0.51	0.13,1.99	0.3353
Statins	0.98	0.95, 1.00	0.0971
Antihypertensives	1.01	0.98, 1.03	0.5971

¹Adjusted for all other covariates as Table 3 and Table 4; ²REF: non-use over the same period as the numerator; ³Hazard ratio expressed as per year of additional use.