**Supplementary Material 1.** ICD-10 codes used to identify patients, outcomes, and baseline comorbidities.

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| **National Patient Register****(NPR)** | **ICD-10**1997–present  |
| **Rheumatic diagnoses** |  |
| Rheumatoid arthritis | M05, M06.0/2/3/8/9 |
|  Ankylosing spondylitis | M45 |
|  SLE  | M32 |
|  Psoriasis and psoriatic arthritis | L40.0/1/2/3/4/5/8/9 |
|  Behcet’s disease | M352 |
|  Ulcerative colitis | K51 |
|  Crohn’s disease | K50 |
| **Outcomes** |  |
|  AMI  | I21  |
|  Stroke  | I60-I64  |
|  CV-related mortality | Death with main ICD-10 “I” code |
|  MACE | I21, I60-64, Death events with main ICD-10 “I” code |
|  VTE | I80, I81, I82, I260, I269 |
|  ATE | I74 |
|  Cancer (excluding non-melanoma skin cancer) | C00-43, C45-97 |
|  Non-melanoma skin cancer | C44 |
| **Other comorbidities** |  |
| HTN | I10–I13, I15 |
| DM | E11-E14 |
| CKD | N18–N19, Z49, Z904, Z905, Z992 |
|  Heart failure | I42, I50 |

ICD-10: International Classification of Diseases 10th Revision; SLE: systemic lupus erythematosus; AMI: acute myocardial infarction; CV: cardiovascular; MACE: major adverse cardiovascular event; VTE: venous thromboembolism; ATE: arterial thromboembolism; HTN: hypertension; DM: diabetes mellitus; CKD: chronic kidney disease.