

Table SV. Confounding analysis for the supplementary risk set sampling allowing for prevalent cancer other than cutaneous squamous cell carcinoma (cSCC) before index date

| | OR (95% CI) ^f | p-value |
|---|--------------------------|---------|
| No adjustment | 1.26 (1.07–1.49) | 0.005 |
| Comorbidities | | |
| Alcohol-associated comorbidity | 1.26 (1.07–1.48) | 0.006 |
| Crohn's disease | 1.26 (1.07–1.48) | 0.005 |
| Diabetes | 1.27 (1.08–1.50) | 0.004 |
| Liver disease | 1.27 (1.08–1.49) | 0.004 |
| Peptic ulcer (gastric and duodenal ulcer) | 1.26 (1.07–1.49) | 0.005 |
| Smoking-associated conditions | 1.27 (1.08–1.49) | 0.005 |
| Actinic keratosis | 1.26 (1.06–1.50) | 0.008 |
| Kidney-associated disease | 1.26 (1.07–1.49) | 0.005 |
| Rheumatoid arthritis | 1.26 (1.07–1.49) | 0.007 |
| Psoriatic arthritis | 1.33 (1.11–1.58) | 0.002 |
| Drugs | | |
| Acitretin | 1.26 (1.07–1.49) | 0.005 |
| Ciclosporin | 1.25 (1.06–1.47) | 0.007 |
| Azathioprine | 1.26 (1.07–1.48) | 0.005 |
| Tumour necrosis factor α inhibitor | 1.21 (1.02–1.43) | 0.029 |
| Interleukin pathway-inhibitor | 1.27 (1.08–1.49) | 0.004 |
| Immunosuppressants excluding MTX ^a | 1.17 (0.99–1.39) | 0.068 |
| Other variables | | |
| CCI index ^b | 1.26 (1.07–1.48) | 0.006 |
| Civic status ^c | 1.26 (1.07–1.48) | 0.006 |
| Education ^d | 1.27 (1.08–1.49) | 0.004 |
| Income ^e | 1.27 (1.08–1.50) | 0.004 |

The different drugs were defined as ever-exposure implying ≥ 1 filled prescription(s) of the respective drug/drug class.

^aImmunosuppressive drugs other than methotrexate (MTX) were defined as a drug starting with Anatomical Therapeutic Chemical (ATC) code starting with L04A other than L04AX03 (i.e. the ATC-code for MTX). ^bCharlson comorbidity index (CCI) 0 indicates no comorbidity; CCI 1, mild comorbidity; CCI 2+, moderate to severe comorbidity. ^cCivic status: married, unmarried or missing data. ^dEducational levels: low, compulsory school (<10 years); middle, upper secondary school (10–12 years); high, higher education (>12 years). ^eIncome quartiles derive from the original psoriasis cohort consisting of 81,738 patients. ^fOdds ratios (ORs) represent ever-use of MTX associated with cSCC adjusted for each potential confounder individually. CI: confidence interval.