

SUPPLEMENTARY TABLE

Table S1: Registry-based diagnoses from the National Patient Registry used for the study

| Diagnosis* | ICD-8 | ICD-10 |
|--|------------------------|-------------------|
| Asthma | 493 | J45, J46 |
| Cardiovascular disease, including: | | |
| Ischemic heart disease | 410-414 | I20-25 |
| Stroke | 431-434, 436 | I60-I69 |
| Celiac disease | 269.00 | K90.0 |
| Chronic Obstructive Pulmonary Disease | 491-492 | J42-J44 |
| Diabetes Mellitus Type 1 | 249 | E10 |
| Gastrointestinal cancer | 140-154 | C00-C18, C20-C21 |
| Inflammatory Bowel disease, including: | | |
| Ulcerative colitis | 563.01 | K51 |
| Crohn's disease | 563.19 | K50 |
| Liver disease | 570-573 | K70-K77 |
| Lymphoma | 200-202, 275.59 | C81-86, C88, C915 |
| Autoimmune diseases, including: | | |
| Alopecia areata | 704.00 | L63 |
| Ankylosing spondylitis | 712.49 | M45 |
| Autoimmune hemolytic anemia | 283.90-91 | D59.1 |
| Autoimmune hepatitis | 571.93 | K75.4 |
| Autoimmune thyroiditis | 245.03 | E06.3 |
| Celiac disease | 269.00 | K90.0 |
| Crohn's disease | 563.19 | K50 |
| Dermatopolymyositis | 716 | M33 |
| Diabetes Mellitus Type 1 | 249 | E10 |
| Guillain-Barre syndrome | 354 | G61.0 |
| Idiopathic thrombocytopenic purpura | 446.49 | D69.3 |
| Iridocyclitis | 364 | H20 |
| Juvenile arthritis | 712.09 | M08 |
| Multiple sclerosis | 340 | G35 |
| Myasthenia gravis | 733.09 | G70.0 |
| Pemphigoid | 694.05 | L12 |
| Pemphigus | 694 | L10 |
| Pernicious anemia | 281.0 | D51.0 |
| Polymyalgia rheumatica | 446.30-31, 446.39 | M31.5-6, M35.3 |
| Primary adrenocortical insufficiency | 255.1 | E27.1 |
| Primary biliary cirrhosis | 571.90 | K74.3 |
| Psoriasis vulgaris | 696.09-10, 696.19 | L40 |
| Seropositive rheumatoid arthritis | 712.19, 712.39, 712.59 | M05-M06 |
| Sjögren's syndrome | 734.90 | M35.0 |
| Systemic lupus erythematosus | 734.19 | M32 |
| Systemic sclerosis | 734.0 | M34 |
| Thyrotoxicosis | 242.00 | E05.0 |
| Ulcerative colitis | 563.01 | K51 |
| Vitiligo | 709.01 | L80 |
| Wegener's granulomatosis | 446.29 | M31.3 |

*The participants were considered to have a disease from these 10 groups if they had one of the diagnoses in the register, referral diagnoses were removed from our data.

ICD: International classification of disease