

Table S2 Definitions of outcomes and baseline comorbidities ever before start of follow-up

Comorbidity	ICD8 (1969-1986)	ICD9 (1987-1996)	ICD10 (1997-)
Outcomes			
Rheumatoid arthritis (RA)#	712.10; 712.20; 712.38; 712.39	714A, 714B, 714C, 714W, 719D	M05, M060, M062, M063, M068, M069, M123
Seropositive RA*			M05
Seronegative RA*			M060, M062, M063, M068, M069
Juvenile arthritis (JIA)#	712.0	714D	M08
Other arthritis§			
Poly arthritis (PA)	715,99	714X, 716F	M130
Psoriatic arthritis (PsA)	696,00	696A, 713D	L405, M070, M071, M073
Spondyloarthritis (SpA)	713,13, 726,99	720C, 720W, 720X	M460, M461, M468, M469
Comorbidities			
Type 1 diabetes**	250	250	E10
Autoimmune thyroid disease	242,00; 242,09; 244; 245,03	242A, 242X, 244X, 245C, 245W	E035, E039, E050, E055, E059, E063, E065
Inflammatory bowel disease (IBD)	563; 563.1; 569.02; 569.04	555, 556	K50, K51, K523
Systemic lupus erythematosus (SLE)	734,10	710A	M320, M321, M328, M329

#At least 2 records for diagnosis (both records occurring after celiac diagnosis). The 2nd date count as the date of diagnosis;

§In patients with PA/PsA/SpA preceding date of RA or JIA, the first ICD-10 code for RA or JIA will count as date of diagnosis.

*Based on first 3 RA diagnoses;

**Age <31 years at date of diagnosis