

## SUPPLEMENTAL DATA

**Table S1.** Baseline clinical characteristics and comorbidities of patients with AS and their matched controls

<b>Comorbidities</b>	<b>Patients with AS N = 6679</b>	<b>Matched controls N = 19,951</b>	<b>P value</b>
Comorbidities, n (%)			
Asthma	145 (2.2)	218 (1.1)	< 0.001
Cardiovascular disease	2295 (34.4)	5849 (29.3)	< 0.001
Angina	79 (1.2)	146 (0.7)	< 0.001
Atherosclerosis	482 (7.2)	1,139 (5.7)	< 0.001
Cerebrovascular disease/stroke	110 (1.6)	260 (1.3)	0.038
Coronary artery disease	322 (4.8)	743 (3.7)	< 0.001
Hypertension	2053 (30.7)	5267 (26.4)	< 0.001
Myocardial infarction	84 (1.3)	178 (0.9)	0.009
Peripheral vascular disease	110 (1.6)	311 (1.6)	0.617
Venous thromboembolism	77 (1.2)	167 (0.8)	0.019
Depression	712 (10.7)	1152 (5.8)	< 0.001
Diabetes	656 (9.8)	2113 (10.6)	0.075
Dyslipidemia	1564 (23.4)	4439 (22.3)	0.048
Gastrointestinal ulcers	75 (1.1)	79 (0.4)	< 0.001
Malignancies	450 (6.7)	1,094 (5.5)	< 0.001
Multiple sclerosis	31 (0.5)	51 (0.3)	0.008
Osteoporosis	259 (3.9)	191 (1.0)	< 0.001
Parkinson disease	17 (0.3)	43 (0.2)	0.561
Sleep apnea	585 (8.8)	1008 (5.1)	< 0.001

Spinal fracture	59 (0.9)	39 (0.2)	< 0.001
Conditions associated with AS, n (%)			
Inflammatory bowel disease	439 (6.6)	128 (0.6)	< 0.001
Crohn disease	281 (4.2)	57 (0.3)	< 0.001
Ulcerative colitis	192 (2.9)	81 (0.4)	< 0.001
Psoriasis	138 (2.1)	171 (0.9)	< 0.001
Uveitis	654 (9.8)	45 (0.2)	< 0.001

AS ankylosing spondylitis, *ICD-9-CM* International Classification of Diseases, Ninth

Revision, Clinical Modification