

Table S3 Comorbidities defined by Elixhauser coding algorithms* in axial spondyloarthritis patients (N=1,729) stratified by the history (ever presence; survey data) of inflammatory bowel disease, psoriasis, and anterior uveitis

	Inflammatory bowel disease			Psoriasis			Anterior uveitis		
	yes (N=150)	no (N=1579)	p value	yes (N=255)	no (N=1474)	p value	yes (N=463)	no (N=1266)	p value
Hypertension	49.9	52.0	0.6404	58.8	50.5	0.0166	53.9	51.0	0.2794
uncomplicated	42.0	44.8	0.5113	51.4	43.4	0.0187	46.3	43.9	0.3868
complicated	7.9	7.1	0.7114	7.3	7.2	0.9273	7.6	7.0	0.6794
Depression	29.2	25.3	0.3151	30.4	24.8	0.0625	22.4	26.9	0.0643
Chronic pulmonary disease	12.0	8.8	0.2114	12.5	8.5	0.0428	7.9	9.5	0.3197
Diabetes	17.3	15.8	0.6485	17.6	15.7	0.4452	14.2	16.6	0.2342
uncomplicated	10.2	7.0	0.1629	7.0	7.3	0.8585	7.5	7.2	0.8007
complicated	7.2	8.8	0.5010	10.6	8.4	0.2518	6.7	9.5	0.0784
Cardiac arrhythmias	15.1	14.0	0.7260	15.1	13.9	0.6245	17.8	12.7	0.0082
Obesity	10.9	14.6	0.2126	18.0	13.6	0.0687	10.7	15.6	0.0107
Hypothyroidism	7.0	14.2	0.0122	11.8	13.9	0.3718	12.4	14.1	0.3720
Osteoporosis	18.7	12.1	0.0237	12.9	12.7	0.9300	15.7	11.6	0.0258
Liver disease	11.4	11.9	0.8600	12.0	11.8	0.9259	12.1	11.8	0.8698
Peripheral vascular disorders	8.4	8.7	0.9114	10.2	8.4	0.3566	9.4	8.4	0.5288
Solid tumor without metastasis	7.2	8.6	0.5719	8.3	8.4	0.9516	7.6	8.7	0.4901
Valvular disease	6.3	8.3	0.4172	9.0	8.0	0.5952	8.7	7.9	0.6234
Renal failure	9.1	7.1	0.3901	7.3	7.3	0.9637	7.4	7.3	0.9136
Congestive heart failure	5.1	5.8	0.7425	6.2	5.7	0.7881	6.3	5.6	0.5744

Deficiency anemia	11.8	5.0	0.0007	4.6	5.8	0.4589	6.0	5.5	0.6962
Fibromyalgia	8.6	3.9	0.0095	8.3	3.6	0.0009	2.9	4.9	0.0641
Other neurological disorders	3.2	3.7	0.7481	4.1	3.6	0.6983	1.8	4.3	0.0157
Coagulopathy	3.0	2.8	0.9223	3.7	2.7	0.3536	2.2	3.1	0.3751
Fluid and electrolyte disorders	2.3	1.9	0.6987	2.6	1.8	0.3650	2.3	1.8	0.4939
Weight loss	3.4	1.3	0.0580	2.0	1.4	0.5056	2.0	1.3	0.3569
Alcohol abuse	2.3	1.5	0.5144	2.3	1.5	0.3914	1.4	1.7	0.6621
Metastatic cancer	1.4	1.4	0.9857	2.1	1.3	0.3244	1.6	1.3	0.7523
Peptic ulcer disease excluding bleeding	-	1.5	-	2.0	1.2	0.3343	1.7	1.2	0.4503
Pulmonary circulation disorders	2.0	1.2	0.4325	1.2	1.3	0.9501	1.2	1.3	0.8213
Paralysis	0.7	1.2	0.5939	1.2	1.1	0.8724	1.2	1.1	0.8754
Drug abuse	1.8	1.1	0.4159	1.7	1.1	0.4461	1.4	1.1	0.5511
Lymphoma	-	0.7	-	2.1	0.3	0.0014	0.6	0.6	0.8874
Psychoses	-	0.6	-	0.3	0.6	0.5025	0.7	0.4	0.4891
Blood loss anemia	-	0.1	-	-	0.2	-	0.5	-	-
AIDS/HIV	-	-	-	-	-	-	-	-	-

* excluding rheumatoid arthritis / collagen vascular diseases and including osteoporosis and fibromyalgia.

Significant differences were assessed using Rao-Scott chi-square tests. P values <0.05 are shown in bold.