Supplement Table 1 ICD-9-CM coding of diseases in manuscript

Disease	ICD-9-CM	Disease	ICD-9-CM
Aortic aneurysm and dissection	441.0-441.9	Behcet's disease	136.1
Sjögren's syndrome	710.2	Giant cell arteritis	446.5
Turner syndrome	758.6	RA	714
Aortic coarctation	747.10	Relapsing polychondritis	733.99
Bicuspid aortic valve	746.4	Takayasu's arteritis	446.7
Marfan syndrome	759.82	COPD	490-496
Ehler-Danlos syndrome	756.83	SLE	710.0
Diabetes mellitus	250	Systemic sclerosis	701.1
Hypertension	401-405	Primary biliary cirrhosis	571.6
Hyperlipidaemia	272.0-272.4		

RA = Rheumatoid arthritis and other inflammatory polyarthropathies; COPD = chronic obstructive pulmonary disease; SLE = systemic lupus erythematosus

Supplement Table 2 Years of follow-up

Sjögren's syndrome	Min	Middle	Max	Mean±SD
With	0.50	3.26	10.91	5.11±7.52
Without	0.50	4.57	10.98	5.80±5.53
Total	0.50	3.69	10.98	5.66±5.99

Supplement Table 3 Years to AA /AD

Sjögren's syndrome	Min	Middle	Max	Mean±SD
With	0.51	3.32	9.27	4.67±3.82
Without	0.52	5.07	10.87	5.53±3.65
Total	0.51	4.93	10.87	5.12±3.49

Supplement Table 4 Variables including in the Cox regression

Variables	Variables
Sjögren's syndrome	CCI_R
Sex (male)	Steroid
Age (years)	β blockers
DM	CCB
Hypertension	ACEI
Hyperlipidaemia	ARB
Rheumatoid arthritis	Diuretic
COPD	Statin

DM = diabetes mellitus; COPD = chronic obstructive pulmonary disease; CCB = calcium channel blocker; ACEI = angiotensin-

converting enzyme inhibitor; ARB = angiotensin receptor blocker

Supplement Table 5 First event of (AA / AD) coding distribution

Sjögren's syndrome	Inpatient		ER	
	N	%	N	%
With	40	85.11	7	14.89
Without	141	88.12	19	11.88
Total	181	87.44	26	12.56