

## Supplementary 2: Prevalence of Autoimmune Disorders

Below we have summarised the numbers of reported Autoimmune Disorders investigated in our sample, with data censored at age 46.

<b>Autoimmune Disorder</b>	<b>Number of Cases</b>	<b>ICD-10 Code</b>
Polyarthritis	163	M13
Rheumatoid Arthritis (Seronegative)	37	M06
Crohn's Disease	26	K50
Multiple Sclerosis	25	G35
Psoriasis	24	L40
Ulcerative Colitis	12	K51
Celiac Disease	11	K90
Type 1 Diabetes	5	E10
Sjogren Syndrome	4	M35
Pernicious Anemia	3	D51
Graves' Disease	2	E05
Pulmonary Fibrosis	2	J84
Hashimoto's	1	E06
Scleroderma	1	L94
Addison's Disease	0	E27
Dermatomyositis	0	M33
Granulomatosis	0	M31
Haemolytic Anaemia	0	D59
Lupus	0	M32
Myasthenia Gravis	0	G70
Myocarditis	0	I40
Rheumatoid Arthritis (Seropositive)	0	M05
Thrombocytopenia Purpura	0	D69
Vitiligo	0	L80

**Table S2:** Number of cases for each autoimmune disorder investigated, with ICD-10 code used for classification