

SUPPLEMENTARY DATA

**Supplementary Table 1. AID Burden Increases with T1DM Age of Onset.**

Age of T1DM Onset	Number of additional AID					n
	0	1	2	3	≥4	
≤10	217 (68.7)	69 (21.8)	22 (7.0)	7 (2.2)	1 (0.3)	316
11-20	246 (67.6)	81 (22.3)	31 (8.5)	3 (0.8)	3 (0.8)	364
21-30	162 (66.7)	56 (23.1)	18 (7.4)	6 (2.5)	1 (0.4)	243
31-40	87 (59.6)	43 (29.5)	10 (6.9)	5 (3.4)	1 (0.7)	146
≥40	75 (52.5)	41 (28.7)	16 (11.2)	6 (4.2)	5 (3.5)	143

Data are n (row percent).

**Supplementary Table 2. Age of Additional Autoimmune Disease Onset with T1DM Onset**

AID	AID Age of Onset	Age of T1D Onset for Patients With Additional AID
Type 1 Diabetes	21.2 (14.4)	-
Thyroid Disease	34.5 (14.7)	23.7 (15.4)**
Hypothyroidism	34.7 (14.8)	23.7 (15.6)**
Hyperthyroidism	33.7 (13.7)	23.2 (14.5)
Pernicious Anemia	48.5 (15.1)	30.2 (19.1)**
Skin and Hair Disorders	28.0 (15.2)	26.8 (17.9)**
Vitiligo	30.8 (14.4)	29.1 (18.8)**
Alopecia	21.8 (15.1)	24.4 (17.9)
Collagen Vascular Disease	37.3 (17.0)	22.4 (16.6)
Rheumatoid Arthritis	43.9 (12.9)	24.3 (20.4)
Psoriasis	27.9 (14.7)	21.2 (12.1)
MCTD	34.3 (6.9)	22.5 (12.2)
JVRA	3.5 (1.7)	22.0 (21.8)
Lupus	37.5 (14.2)	24.9 (17.9)
Sjogren's	57.6 (9.2)	23.3 (15.2)
Scleroderma	19.0 (0.0)	18.0 (0.0)
Granulomatosis with polyangiitis	43.3 (7.6)	6.0 (2.6)
Gastrointestinal AID	37.3 (15.8)	25.0 (14.8)
Celiac Disease	39.5 (13.5)	21.8 (13.6)
Ulcerative Colitis	32.8 (15.9)	28.8 (12.5)
Crohn's	34.7 (22.5)	28.7 (22.0)
Autoimmune Liver Disease	34.9 (17.5)	25.7 (11.0)
Primary Biliary Cirrhosis	52.7 (7.6)	30.7 (14.6)
Primary Sclerosing Cholangitis	23.5 (10.5)	16.5 (3.5)
Autoimmune hepatitis	19.5 (5.5)	27.5 (6.4)
Addison's Disease	32.7 (15.4)	27.7 (17.8)
Premature Ovarian Failure	33.0 (4.3)	26.6 (13.1)
Immune Deficiency Disorders	39.4 (16.2)	17.0 (11.2)
IgA Deficiency	45.8 (15.7)	19.3 (11.3)
CVID	32.9 (15.8)	14.0 (10.5)
Neurological Disease	30.6 (13.1)	16.9 (10.5)
Moyamoya†	27.0 (6.7)	10.7 (1.5)
Multiple Sclerosis	31.5 (7.6)	22.5 (8.1)
Myasthenia Gravis	27.0 (3.0)	21.5 (12.0)
Uveitis	35.2 (17.9)	15.2 (13.2)
Autoimmune Neuropathy (CIDP)	22.0 (2.0)	12.0 (14.1)
Stiff Person Syndrome	33.7 (17.4)	24.3 (14.2)

Data are mean (SD). Age of onset of additional AID in second column. t-test compared age of onset of T1DM for patients with and without the AID. \*p<0.05. \*\*p<0.01. †possible autoimmune etiology.