

Supplementary table 2: **Overlap of IMIDs in the cohort**

Disease	Number	No overlap	APS	CLE	GCA	GPA	IIM	JIA	LLD	MCTD	PMR	pSS	RA	SLE	SSc	UCTD
APS	124	52	X	5	0	0	1	0	12	1	0	1	2	64	0	0
CLE	143	67	5	X	0	0	4	0	9	2	0	8	5	59	0	1
GCA	6	5	0	0	X	0	0	0	0	0	1	0	0	0	0	0
GPA	7	6	0	0	0	X	0	0	0	0	0	1	0	1	0	0
IIM	31	18	1	4	0	0	X	0	0	4	1	2	0	7	2	1
JIA	22	16	0	0	0	0	0	X	0	3	0	0	1	5	0	0
LLD	57	14	12	9	0	0	0	0	X	2	1	1	2	28	1	1
MCTD	41	15	1	2	0	0	4	3	2	X	0	4	1	20	1	0
PMR	19	13	0	0	1	0	1	0	1	0	X	1	2	0	0	0
pSS	80	37	1	8	0	1	2	0	1	4	1	X	9	20	4	0
RA	68	32	2	5	0	0	0	1	2	1	2	9	X	21	0	0
SLE	484	288	64	59	0	1	7	5	28	20	0	20	21	X	4	5
SSc	30	21	0	0	0	0	2	0	1	1	0	4	0	4	X	0
UCTD	11	4	0	1	0	0	1	0	1	0	0	0	0	5	0	X