

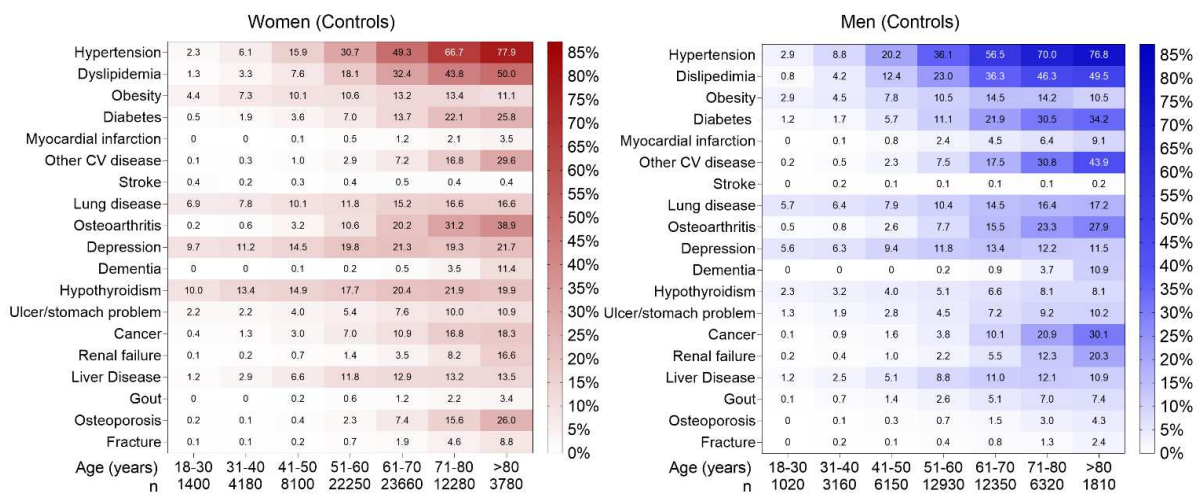
Supplementary Table 1		
Disease	Included in RDCI	ICD-10 code(s)
Crohn's disease		K50,51
Axial spondyloarthritis		M45
Iridozyclitis		H20
RA		M05,06
Lung disease	*	J40-47, J60-67, J68.4, J70.1, J70.3
Myocardial infarction	*	I21, I22, I25.2
Other cardiovascular disease	*	I11.0, I13.0, I13.2, I25, I42, I43, I50
Stroke	*	I63,64
Hypertension	*	I10-15
Depression	*	F31-34, F41.2
Dementia		F00-03
Hypothyroidism		E00-03, E89.0
Diabetes mellitus	*	E10-14
Ulcer or stomach problem	*	K25-31
Cancer	*	C00-97
Obesity		E66
Dyslipidemia		E78
Renal failure		N18
Liver disease		K70-77
Gout		M10
Osteoporosis		M80-82
Osteoarthritis		M15-17
Fracture	*	M80, M84, S72, S12, T08, T12
Drugs	Included as DMARD for cohort inclusion	ATC-Code(s)
Glucocorticoids		H02AB
intraarticular		H02AB51,54,56,58
Methotrexate	*	L01BA01, L04AX03, M01CX01
Sulfasalazine	*	A07EC01, M01CX02
Leflunomide	*	L04AA13
Ciclosporin	*	L04AD01
TNF-inhibitors	*	L04AB
Etanercept	*	L04AB01
Infliximab	*	L04AB02
Adalimumab	*	L04AB04
Golimumab	*	L04AB06
Certolizumab pegol	*	L04AB05
Abatacept	*	L04AA24
Ustekinumab	*	L04AC05
Secukinumab	*	L04AC10
Ixekizumab	*	L04AC13
Guselkumab	*	L04AC16
Apremilast	*	L04AA32
Tofacitinib	*	L04AA29
Upadacitinib	*	L04AA44
Metamizol		N02BB02
Etoricoxib		M01AH05
Tilidin/Naloxon		N02AX51
NSAIDs		M01A
Diclofenac		M01AB05

Supplementary Table 2 Characteristics by age groups							
	18-30	31-40	41-50	51-60	61-70	71-80	>80 years
Persons with PsA							
N	242	779	1425	3518	3601	1860	559
Specialist Care							
No Specialist (%)	16	15	17	16	17	15	17
Rheumatology only (%)	37	43	39	41	41	37	34
Dermatology (%)	19	16	17	15	16	17	17
Both (%)	28	27	27	28	27	31	33
Elixhauser Score, mean (SD)	1.4 (1.3)	1.8 (1.5)	2.5 (1.9)	3.2 (2.3)	4.1 (2.6)	5.0 (2.8)	5.7 (2.8)
RDCI, mean (SD)	0.4 (0.8)	0.7 (1.0)	1.2 (1.3)	1.6 (1.5)	2.1 (1.6)	2.6 (1.6)	3.0 (1.7)
RA Diagnosis, %	23	22	29	34	39	45	50
≥1 M05 Diagnosis, %	4.5	4.0	5.4	7.2	8.1	11	12
Polypharmacy* (%)	15	17	31	43	57	69	78
Controls							
N	2420	7790	14250	35180	36010	18600	5590
Elixhauser Score, mean (SD)	0.6 (0.9)	0.8 (1.1)	1.2 (1.5)	1.7 (1.8)	2.5 (2.2)	3.4 (2.5)	4.1 (2.6)
Polypharmacy* (%)	0.2	1.2	4.2	9.8	20	35	46
RDCI Rheumatic Disease Comorbidity Index, RA Rheumatoid arthritis, M05 ICD-10 code for seropositive RA; * ≥ 5 medications at the same time							

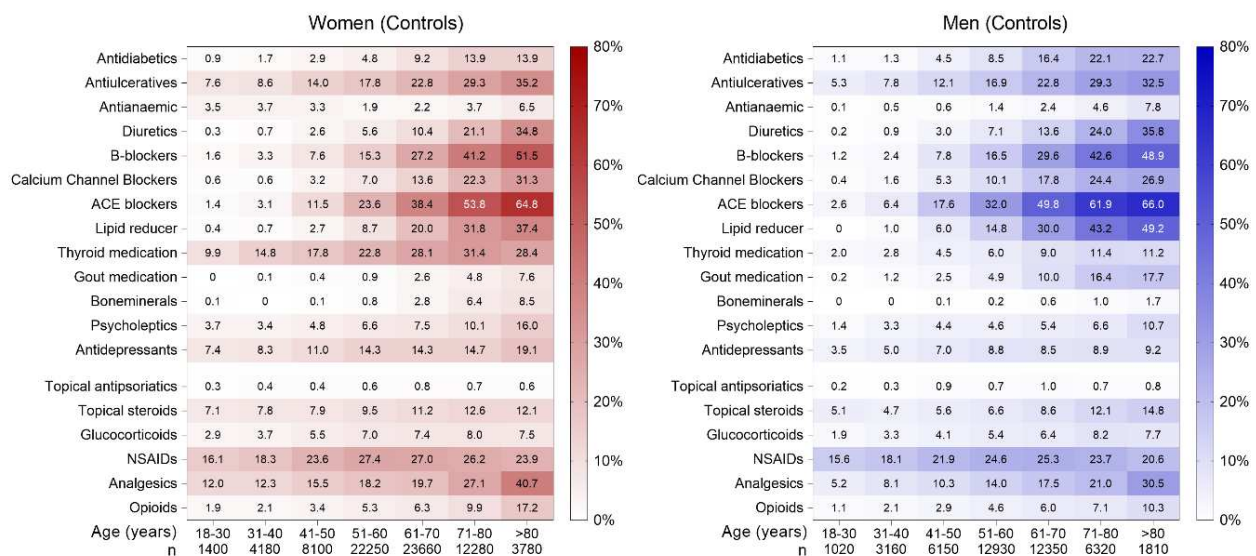
Supplementary Table 3 Defined daily doses (DDDs) for persons with related drug prescriptions		
	Total (PsA)	DDDs
N	11984	
	%	Mean (SD)
A: Alimentary tract and metabolism	57	468 (481)
Antidiabetics	15	519 (424)
Antiulceratives/reflux	42	365 (288)
Calcium and vitamine D	1.4	171 (125)
B: Blood and blood forming organs	48	142 (189)
Folic acid	35	43 (31)
C: Cardiovascular system	62	881 (730)
Antiarrhythmic	0.9	209 (128)
Antihypertensives	3.5	331 (263)
Diuretics	17	242 (253)
Beta blockers	24	186 (130)
Calcium channel blockers	19	387 (232)
ACE inhibitors	47	608 (416)
Lipid reducer	22	359 (279)
D: Dermatologicals	44	132 (187)
Antipsoriatics, topical application	16	154 (180)
Antipsoriatics, systemic application	0.5	108 (99)
Topical steroids	27	89 (121)
G: Genito urinary system and sex hormones	15	310 (262)
Estrogens	-	307 (270)
H: systemic hormonal preparations	51	205 (160)
Glucocorticoids (all)	35	134 (124)
Glucocorticoids intraarticular	1.6	84 (75)
Thyroid gland	25	227 (123)
J: Antiinfective for systemic use	32	20 (36)
L: Antineoplastic and immunomodulating agents	65	298 (145)
Immunosuppressants	64	296 (141)
csDMARDs (all)	62	234 (122)
Methotrexate	55	227 (116)
Sulfasalazine	0.3	172 (118)
Leflunomide	9.3	207 (117)
Ciclosporin	0.4	121 (71)
bDMARDs (all)	49	296 (142)
TNF-inhibitors	30	268 (138)
Etanercept	8.9	240 (112)
Infliximab	0.9	616 (297)
Adalimumab	16	243 (108)
Golimumab	2.2	305 (159)
Certolizumab pegol	2.9	246 (108)
Ig fusion protein Abatacept	0.6	140 (78)
IL12/23i Ustekinumab	3.9	415 (214)
IL17i Secukinumab	10	255 (111)
Ixekizumab	5.2	252 (111)
IL23i Guselkumab	3.3	255 (116)
PDE4i Apremilast	4.1	239 (118)
JAKi Tofacitinib	1.9	237 (124)
Upadacitinib	3.5	186 (107)
M: Musculoskeletal system	81	280 (226)
NSAIDs	50	131 (142)
Diclofenac	9.6	91 (100)
Etoricoxib	12	150 (151)
Gout medication	7.8	154 (103)
Bone mineralisation	5.3	284 (120)

N: Nervous system	51	240 (343)
Analgesics	39	94 (163)
Metamizol	29	28 (34)
Opioids	18	147 (198)
Tilidin/Naloxon	8.3	120 (173)
Psycholeptics	8.1	100 (194)
Antidepressants	20	281 (271)
Antidementives	0.3	279 (193)
P: Antiparasitic products, insecticides, repellents	2.2	37 (54)
R: Respiratory system	21	209 (268)
S: Sensory organs	16	136 (180)
Ophtalmologicals	14	150 (185)
V: Various	5.2	164 (161)

Supplementary Figure 1 Comorbidity (Controls)



Supplementary Figure 2 Medication (Controls)



Supplementary Figure 3 Number of medications by age groups and Elixhauser Score (Controls)

