



Figure 1: Flow chart of the patient selection.

Data extraction performed in November 2018. Grey boxes show the selection of eligible patients, white boxes show patients eligible for the current study, but with insufficient data.

Table 1. Baseline characteristics of included and non-included patients.

	N patients	Non-included	N patients	Included
BMI category	712		4116	
Underweight		3.4		3.7
Normal weight		49.9		46.1
Pre-obesity		34.0		32.4
Obesity class I		9.3		12.8
Obesity class II		1.8		3.5
Obesity class III		1.7		1.6
Weight (kg)	829	67.7 (14.9)	5230	68.2 (14.8)
Female, %	4168	81	5219	82
Age (years)	4117	55 (13)	5212	54 (13)
RF, %	2473	72.8	3577	78.1
ACPA, %	1864	69.7	2974	76.2
Smoking, %	1272		2634	
Never		30.1		47.8
Current		60.5		38.5
Stopped		9.4		13.6
Symptom duration (years)	1247	9.1 (4; 16.6)	2056	8.3 (3.8; 15.5)
DAS28	2970	4.7 (1.6)	4438	5.1 (1.6)
ESR	3658	31 (23)	4795	34 (24)
CRP	3084	7 (3; 18)	4147	7 (2.4; 21)
VAS patient global health	2860	51.9 (27.5)	3852	53.9 (27.2)
TJC28	3640	5 (1; 12)	4860	6.5 (2; 13)
SJC28	3563	3 (1; 8)	4866	5 (1; 10)
Country, %	4193		5230	
Italy		51.8		54.8
Portugal		10.0		20.8
Netherlands		15.2		10.2
Ireland		15.5		0.2
United States		1.1		6.1
UK		1.7		2.5
Japan		0.9		1.8
Mexico		0.6		1.2
France		0.5		0.9
Qatar		0.8		0.7
Other		1.9		1.0

Table based on non-imputed data. N patients indicates the number of patients with available data. Data are presented as mean (SD), median (IQR) or %. Non-included patients were patients that were eligible for the current study but had insufficient follow-up or missing data (white boxes in flow chart supplementary figure 1).

BMI = body mass index, RF = rheumatoid factor, ACPA = anti-citrullinated protein antibodies, TNFi = tumor necrosis factor α inhibitor, DAS = disease activity score, ESR = erythrocyte sedimentation rate, CRP = c-reactive protein, VAS = visual analogue scale, TJC = tender joint count, SJC = swollen joint count