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**Supplemental Table 1:** Adjusted associations between body mass index and measures of clinical or magnetic resonance imaging low disease activity or remission at 24 weeks

	DAS28(CRP) remission OR (95% CI)	SJC ≤1 OR (95% CI)	TJC ≤1 OR (95% CI)	PTGL ≤1 OR (95% CI)	CRP ≤1 mg/dL OR (95% CI)	HAQ ≤0.5 OR (95% CI)
BMI < 20	1.32 (0.61-2.87)	1.44 (0.73-2.84)	0.83 (0.38-1.82)	0.86 (0.38-1.93)	0.60 (0.27-1.30)	0.72 (0.36-1.44)
BMI 20-25	Ref	Ref	Ref	Ref	Ref	Ref
BMI 25-30	0.86 (0.50-1.48)	1.09 (0.68-1.77)	1.03 (0.62-1.73)	0.68 (0.39-1.18)	0.66 (0.36-1.21)	0.66 (0.40-1.07)
BMI ≥30	0.47 (0.24-0.92)*	1.01 (0.58-1.75)	0.82 (0.45-1.48)	0.47 (0.24-0.92)*	0.44 (0.23-0.84)*	0.49 (0.28-0.89)*
	Synovitis ≤3 OR (95% CI)	Osteitis ≤3 OR (95% CI)	Inflammation ≤3 OR (95% CI)			
BMI < 20	0.94 (0.45-1.96)	1.04 (0.50-2.18)	0.78 (0.34-1.81)			
BMI 20-25	Ref	Ref	Ref			
BMI 25-30	0.73 (0.42-1.26)	1.23 (0.71-2.11)	0.83 (0.52-1.67)			
BMI ≥30	0.94 (0.51-1.72)	2.06 (1.10-3.84)*	1.02 (0.53-1.96)			

Results from multivariable logistic regression models, adjusted for age, sex, race, cyclic citrullinated peptide antibody status, study, treatment assignment.

\* p < 0.05; \*\*p < 0.01; DAS28 = disease activity score in 28 joints using CRP; SJC = swollen joint count; TJC = tender joint count; PTGL = patient global VAS score; CRP = C-reactive protein; HAQ = health assessment questionnaire

**Supplemental Table 2:** Adjusted associations between body mass index and measures of clinical or magnetic resonance imaging low disease activity or remission at 52 weeks

	DAS28(CRP) remission OR (95% CI)	SJC ≤1 OR (95% CI)	TJC ≤1 OR (95% CI)	PTGL ≤1 OR (95% CI)	CRP ≤1 mg/dL OR (95% CI)	HAQ ≤0.5 OR (95% CI)
BMI < 20	2.04 (1.02-4.06)*	1.95 (0.95-4.00)	0.93 (0.47-1.84)	1.50 (0.72-3.10)	1.23 (0.50-3.01)	1.01 (0.51-1.99)
BMI 20-25	Ref	Ref	Ref	Ref	Ref	Ref
BMI 25-30	0.89 (0.55-1.47)	1.09 (0.68-1.75)	0.56 (0.35-0.91)*	0.4 (0.56-1.58)	0.82 (0.44-1.53)	1.05 (0.65-1.70)
BMI ≥30	0.54 (0.30-0.97)*	1.05 (0.61-1.81)	0.47 (0.27-0.82)**	0.34 (0.17-0.68)**	0.42 (0.22-0.82)*	0.65 (0.37-1.15)
	Synovitis ≤3 OR (95% CI)	Osteitis ≤3 OR (95% CI)	Inflammation ≤3 OR (95% CI)			
BMI < 20	1.24 (0.59-2.61)	0.89 (0.43-1.84)	1.14 (0.51-2.56)			
BMI 20-25	Ref	Ref	Ref			
BMI 25-30	0.81 (0.47-1.39)	1.77 (1.02-3.06)*	0.94 (0.53-1.67)			
BMI ≥30	1.09 (0.58-2.02)	1.93 (1.02-3.66)*	1.31 (0.68-2.52)			

Results from multivariable logistic regression models, adjusted for age, sex, race, cyclic citrullinated peptide antibody status, study, treatment assignment.

\* p < 0.05; \*\*p < 0.01; DAS28 = disease activity score in 28 joints using CRP; SJC = swollen joint count; TJC = tender joint count; PTGL = patient global VAS score; CRP = C-reactive protein; HAQ = health assessment questionnaire

**Supplemental Figure 1: Rates of clinical remission at 24 weeks among different BMI groups as defined by DAS28(CRP), SDAI, CDAI, and Boolean remission.** Predicted probabilities were obtained from multivariable logistic regression models at the means of age, sex, race, cyclic citrullinated peptide antibody status, study, treatment assignment.

\* p <0.05; BMI = body mass index; DAS28 = disease activity score in 28 joints using CRP; SDAI = simple disease activity index; CDAI = clinical disease activity index. DAS28(CRP) remission < 2.6, SDAI remission ≤ 3.3, CDAI remission ≤ 2.8, Boolean remission ≤ 1 for all of tender joint count 28, swollen joint count 28, CRP (mg/dL), and patient global (0-10)