

Supplementary table 2: Associations between prednisone, disease activity and outcomes glucose levels over time, hyperglycaemia ≥ 7.8 and diabetes, uncorrected and corrected for potential confounders.

Outcome glucose over time	Complete analyses		Sensitivity analyses	
	β	95% CI	β	95% CI
Current prednisone dose ⁰	0.00	-0.00; 0.01	0.01	-0.00; 0.02
Current prednisone dose ¹	0.00	-0.01; 0.01	0.01	-0.01; 0.02
Any previous prednisone use ⁰	0.03	-0.06; 0.12	-0.08	-0.19; 0.03
Any previous prednisone use ¹	0.03	-0.07; 0.12	-0.02	-0.13; 0.08
Previous time on prednisone ⁰	-0.00	-0.00; 0.00	-0.00	-0.01; 0.00
Previous time on prednisone ¹	-0.00	-0.01; 0.00	-0.00	-0.01; 0.00
Cumulative prednisone dose ⁰	0.00	-0.01; 0.01	-0.01	-0.01; 0.00
Cumulative prednisone dose ¹	-0.00	-0.01; 0.01	-0.00	-0.01; 0.01
Maximum previous prednisone dose ⁰	0.00	-0.00; 0.01	-0.00	-0.01; 0.00
Maximum previous prednisone dose ¹	0.00	-0.00; 0.01	-0.00	-0.01; 0.01
Current DAS ⁰	0.02	-0.01; 0.04	0.09	0.05; 0.13
Current DAS ²	0.03	-0.01; 0.05	0.08	0.04; 0.12
Outcome hyperglycaemia ≥ 7.8	Complete analyses		Sensitivity analyses	
	OR	95% CI	OR	95% CI
Current prednisone dose ⁰	1.01	0.99; 1.04	1.04	1.01; 1.07
Current prednisone dose ¹	1.01	0.99; 1.04	1.03	1.00; 1.06
Any previous prednisone use ⁰	1.19	0.93; 1.53	0.85	0.65; 1.10
Any previous prednisone use ¹	1.22	0.95; 1.57	0.89	0.69; 1.14
Previous time on prednisone ⁰	1.00	1.00; 1.01	0.99	0.98; 1.00
Previous time on prednisone ¹	1.00	1.00; 1.01	0.99	0.98; 1.00
Cumulative prednisone dose ⁰	1.01	0.99; 1.03	0.99	0.96; 1.01
Cumulative prednisone dose ¹	1.01	0.99; 1.03	0.99	0.97; 1.01
Maximum previous prednisone dose ⁰	1.01	0.99; 1.02	1.00	0.98; 1.01
Maximum previous prednisone dose ¹	1.01	1.00; 1.02	1.00	0.99; 1.01
Current DAS ⁰	1.04	0.96; 1.13	1.29	1.17; 1.42
Current DAS ²	1.04	0.96; 1.14	1.29	1.17; 1.42
Outcome diabetes by any definition	Complete analyses		Sensitivity analyses	
	HR	95% CI	HR	95% CI
Current prednisone dose ⁰	1.07	0.99; 1.15	1.07	0.99; 1.15
Current prednisone dose ¹	1.07	1.00; 1.14	1.07	1.00; 1.15
Any previous prednisone use ⁰	0.76	0.35; 1.62	0.77	0.36; 1.64
Any previous prednisone use ¹	0.72	0.33; 1.56	0.72	0.33; 1.56
Previous time on prednisone ⁰	0.97	0.93; 1.01	0.97	0.93; 1.01
Previous time on prednisone ¹	0.97	0.93; 1.01	0.97	0.93; 1.01
Cumulative prednisone dose ⁰	0.97	0.90; 1.04	0.97	0.91; 1.04
Cumulative prednisone dose ¹	0.96	0.90; 1.03	0.97	0.90; 1.03
Maximum previous prednisone dose ⁰	0.99	0.96; 1.03	1.00	0.96; 1.03
Maximum previous prednisone dose ¹	1.00	0.96; 1.03	1.00	0.96; 1.03
Current DAS ⁰	1.69	1.20; 2.39	1.67	1.18; 2.36
Current DAS ²	1.80	1.28; 2.53	1.80	1.28; 2.53

CI: confidence interval, DAS: 44/53-joint disease activity, HR: hazard ratio, OR: odds ratio. 0: unadjusted, 1: adjusted for disease activity over time, effect over time, BMI and age, 2: adjusted for prednisone dose, effect over time, BMI, age and sex. Sensitivity analyses were conducted in patients including only timepoints from a first hyperglycaemia