Supplementary Table I.Classification of immunomodulatory and immunosuppressive therapies in rheumatoid arthritis, with Anatomic Therapeutic Chemical Classification System (ATC) codes.

Treatment	Rheumatoid arthritis				
Corticosteroids	Methylprednisolone (H02AB04)				
	Prednisolone (H02AB06)				
	Prednisone (H02AB07)				
	Triamcinolone (H02AB08)				
	Cortisone (H02AB10)				
Disease-modifying anti-rheumatic drugs	Sulfasalazine (A07EC01)				
	Sodium aurothiomalate (M01CB01)				
	Auranofin (M01CB03)				
	Aurothioglucose (M01CB04)				
	Penicillamine (M01CC01)				
	Hydroxychloroquine (P01BA02)				
	Cyclophosphamide (L01AA01)				
	Methotrexate (L01BA01, L04AX03)				
	Cyclosporine (L04AA01)				
	Leflunomide (L04AA13)				
	Azathioprine (L04AX01)				
Novel immunosuppressive therapies/ Biologics	Infliximab (L04AA12)				
	adalimumab (L04AA17)				
	Etanercept (L04AA11)				
	Anakinra (L04AA14)				
	Rituximab (L01XC02)				
	Abatacept (L04AA24)				

Supplementary Table II.Diagnostic and procedure codes to identify joint related procedures.

Procedure	ICD-9-CM code	CCI code
Hip replacement	81.50, 81.51, 81.53, 81.52	1.VA.53.LA-PN^^ or
(incl. Partial, total, revisions)		1.VA.53.PN-PN^^
		1.VA.53.LA-PM^^ or
		1.VA.53.PN-PM^^
Knee replacement	81.54, 81.55	1.VG.53.LA-PN or 1.VG.53.LA-PP
Elbow replacement	81.84	1.TM.80.^^
Shoulder replacement	81.80, 81.81, 81.83	1.TA.53. ^^
Wrist fusion	81.25, 81.26	1.UB.75. ^^, 1.UG.75. ^^
Ankle fusion	81.1	1.WA.75. ^^
Foot joint fusion	81.1	1.WE.75. ^^
Foot joint replacement	81.57	1.WJ.53. ^^
Cervical spine fusion	81.01, 81.02, 81.03	1.SA.75. ^^
Hand joint replacement	81.7	1.UC.53. ^^, 1.UC.55. ^^

Health care utilisation and critical illness in RA / R.A. Marrie et al.

Supplementary Table III.

Characteristics of the study populations included in post-intensive care unit analysis.

Characteristic	oopulatio	neral n controls 168)		A 416)	<i>p</i> -value
Female, n (%)	492	(42.1)	157	(37.7)	0.12
Age at admission, mean (SD)	68.8	(11.5)	66.9	(12.7)	0.0051
Disease duration, mean (SD)	6.02	(4.7)	5.81	(4.7)	0.42
Region of residence, n (%)					
Urban	742	(63.5)	267	(64.2)	0.81
Socioeconomic status, n (%)					0.51
Quintile 1 (lowest)	259	(22.2)	87	(20.9)	
Quintile 2	264	(22.6)	105	(25.2)	
Quintile 3	256	(21.9)	94	(22.6)	
Quintile 4	219	(21.9)	63	(15.1)	
Quintile 5 (highest)	142	(18.7)	58	(13.9)	
Not calculated*	28	(2.4)	9	(2.2)	
Modified Charlson Index, n (%)					
0	267	(22.9)	54	(13.0)	0.0003
1	319	(27.3)	131	(31.5)	
>1 to 3	582	(49.8)	299	(55.5)	
Any hospitalisations in the year before admission, n (9	%) 152	(36.5)	349	(29.9)	
No. physician visits in year before admission, mean (SI	25.9	(23.3)	31.1	(28.1)	0.0002

^{*}Could not be calculated for some individuals who lack a postal code, such as those living in personal care homes.

Supplementary Table IV.

Multivariable association of rheumatoid arthritis *versus* general population with health care utilisation in the year after ICU admission.

Outcome	Unadjusted		Adjusted ^a		
	OR/RR	95%CI	OR/RR	95% CI	
Any hospitalisation*	1.22	0.98, 1.53	1.01	0.80, 1.29	
Number of hospital days [¥]	1.22	0.98, 1.52	1.14	0.91, 1.43	
Number of physician visits ¹	1.20	1.10, 1.31	1.04	0.96, 1.13	

^{*}adjusted for age, sex, region of residence, comorbidity, number of physician visits and any hospitalisations prior to ICU admission; ¥ socioeconomic status did not improve model fit and were not retained; ¹adjusted for age, sex, region of residence, comorbidity, any hospitalisations prior to ICU admission.