

Table SIV. Results from adjusted Cox proportional hazards model of time to onset of psoriatic arthritis (PsA) in patients with skin psoriasis (PsO)

Predictor	β coefficient	HR	SE (HR)	Z score	p-value	95% CI
Age (years)	-0.01	0.99	1.00	-9.82	0.000	0.99-0.99
Female (vs male)	0.06	1.07	1.02	3.33	0.001	1.03-1.11
Married (vs unmarried)	0.10	1.11	1.02	4.99	0.000	1.06-1.15
Employed (vs unemployed)	0.07	1.08	1.02	3.24	0.001	1.03-1.13
High school (vs less than high school)	0.11	1.11	1.03	4.23	0.000	1.06-1.17
Greater than high school (vs less than high school)	-0.02	0.98	1.03	-0.55	0.581	0.93-1.04
Charlson Comorbidity Index ^a	0.01	1.01	1.01	1.08	0.279	0.99-1.04
Conventional systemic treated (vs other) ^a	0.71	2.03	1.03	27.95	0.000	1.93-2.14
Biologic treated (vs other) ^a	1.21	3.34	1.05	22.75	0.000	3.01-3.70
Number of out-patient visits ^b	0.01	1.01	1.00	6.54	0.000	1.01-1.01
Number of in-patient days ^b	0.00	1.00	1.00	-2.68	0.007	0.99-1.00
Heberden's nodes ^a	0.16	1.17	1.26	0.69	0.490	0.75-1.84
Bouchard's nodes ^a	0.77	2.15	1.28	3.09	0.002	1.32-3.49
Pain in shoulder ^a	0.64	1.90	1.21	3.37	0.001	1.31-2.75
Pain in elbow ^a	-0.20	0.82	1.78	-0.34	0.733	0.26-2.55
Pain in joints hand ^a	0.69	2.00	1.20	3.79	0.000	1.40-2.87
Pain in pelvis ^a	0.38	1.46	2.03	0.53	0.595	0.36-5.84
Pain in hip ^a	0.26	1.29	1.27	1.09	0.275	0.81-2.06
Pain in knee ^a	0.33	1.39	1.12	2.90	0.004	1.11-1.73
Pain in ankle joints and foot ^a	0.72	2.05	1.18	4.28	0.000	1.48-2.85
Rheumatism ^a	0.55	1.73	1.10	5.48	0.000	1.42-2.10
Psoriasis index year 2008 (vs 2007)	-0.09	0.92	1.03	-2.71	0.007	0.86-0.98
Psoriasis index year 2009 (vs 2007)	-0.16	0.85	1.04	-4.62	0.000	0.79-0.91
Psoriasis index year 2010 (vs 2007)	-0.22	0.80	1.04	-5.76	0.000	0.74-0.86
Psoriasis index year 2011 (vs 2007)	-0.22	0.81	1.04	-5.49	0.000	0.75-0.87
Psoriasis index year 2012 (vs 2007)	-0.24	0.79	1.04	-6.12	0.000	0.73-0.85
Psoriasis index year 2013 (vs 2007)	-0.32	0.73	1.04	-7.33	0.000	0.67-0.79
Psoriasis index year 2014 (vs 2007)	-0.26	0.77	1.05	-5.57	0.000	0.70-0.84
Psoriasis index year 2015 (vs 2007)	-0.28	0.75	1.05	-5.52	0.000	0.68-0.83
Psoriasis index year 2016 (vs 2007)	-0.13	0.88	1.06	-2.38	0.017	0.79-0.98
Psoriasis index year 2017 (vs 2007)	-0.16	0.85	1.07	-2.27	0.023	0.74-0.98
Blekinge county (vs Stockholm county)	0.43	1.54	1.06	7.13	0.000	1.37-1.74
Dalarnas county (vs Stockholm county)	0.10	1.11	1.07	1.53	0.126	0.97-1.26
Gotlands county (vs Stockholm county)	0.14	1.15	1.13	1.15	0.249	0.91-1.45
Gävleborgs county (vs Stockholm county)	0.29	1.34	1.06	4.85	0.000	1.19-1.50
Hallands county (vs Stockholm county)	-0.02	0.98	1.06	-0.34	0.736	0.87-1.10
Jämtlands county (vs Stockholm county)	0.46	1.58	1.08	6.02	0.000	1.36-1.83
Jönköpings county (vs Stockholm county)	0.20	1.23	1.06	3.75	0.000	1.10-1.37
Kalmar county (vs Stockholm county)	0.20	1.23	1.06	3.44	0.001	1.09-1.38
Kronobergs county (vs Stockholm county)	0.10	1.10	1.07	1.33	0.183	0.96-1.27
Norrbottnens county (vs Stockholm county)	0.30	1.35	1.07	4.65	0.000	1.19-1.53
Skåne county (vs Stockholm county)	0.20	1.22	1.03	5.75	0.000	1.14-1.30
Södermanlands county (vs Stockholm county)	-0.01	0.99	1.06	-0.10	0.922	0.89-1.11
Uppsala county (vs Stockholm county)	0.36	1.43	1.05	6.72	0.000	1.29-1.59
Värmlands county (vs Stockholm county)	0.55	1.73	1.05	10.62	0.000	1.56-1.92
Västernorrlands county (vs Stockholm county)	0.21	1.24	1.06	3.42	0.001	1.10-1.40
Västernorrlands county (vs Stockholm county)	0.46	1.58	1.06	7.77	0.000	1.41-1.77
Västmanlands county (vs Stockholm county)	0.32	1.38	1.06	5.51	0.000	1.23-1.55
Västra Götalands county (vs Stockholm county)	0.17	1.19	1.04	5.00	0.000	1.11-1.27
Örebro county (vs Stockholm county)	0.01	1.01	1.07	0.15	0.878	0.89-1.15
Östergötlands county (vs Stockholm county)	0.28	1.32	1.06	5.05	0.000	1.19-1.47

Number of non-missing observations, $n = 123,814$.

Adjusted Cox regression model. All variables were reported at index date except when ^ameasured between 1 July 2005 and index date (inclusive), or ^bmeasured during one year prior to, and including, index date.

CI: confidence interval; HR: hazard ratio; SE: standard error.