

Supplementary File

Title:

Biologics-associated Risks for Incident Skin and Soft Tissue Infections in Psoriasis Patients: Results from Propensity Score-Stratified Survival Analysis

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Content:

Supplementary Figures S1-S3; Tables S1-S2

Figure S1. Cumulative probabilities of incident SSTIs in adult psoriasis patients (N=922) visiting Dermatology Clinic in 2010-2015, by quintile bins of propensity score on receiving biologics regimen.

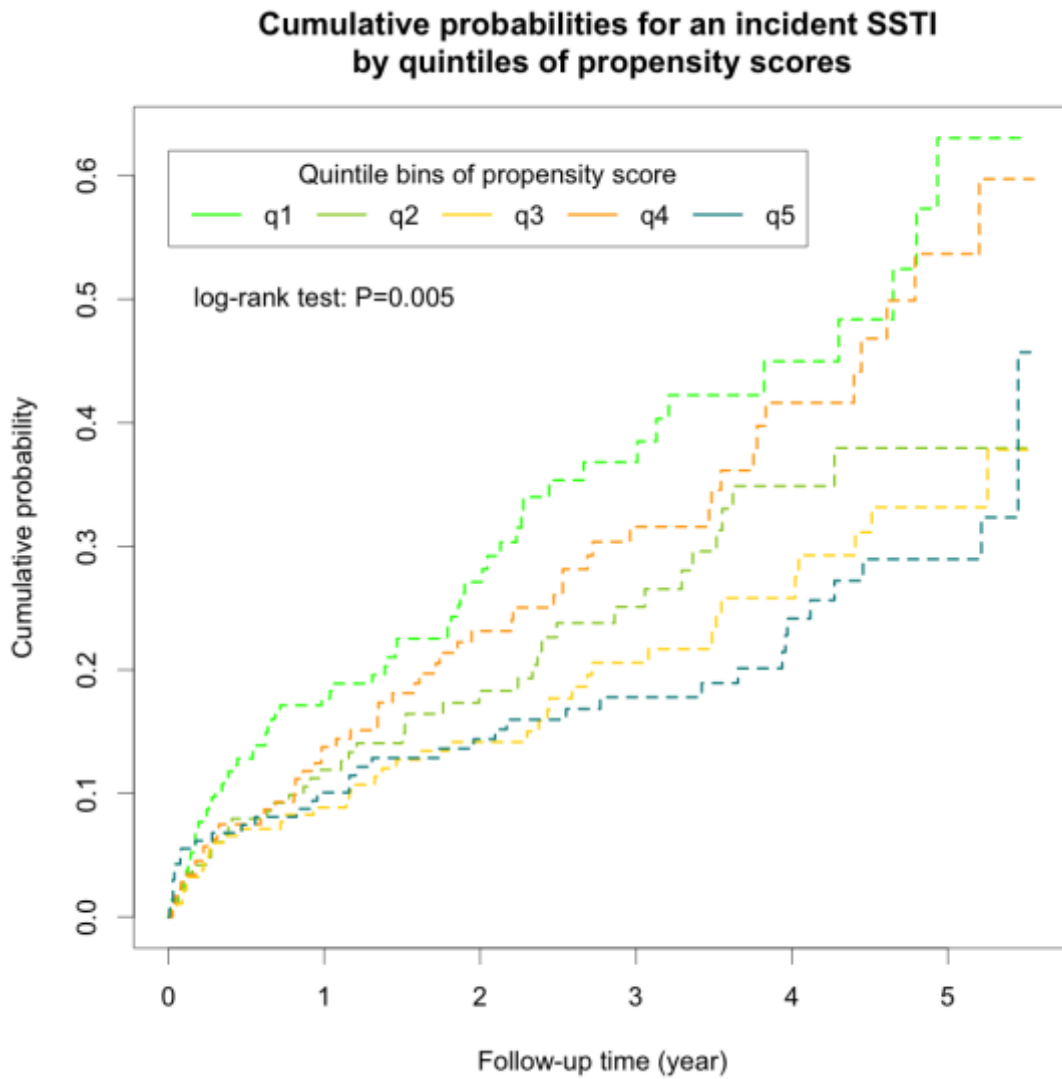


Figure S2.

Comparing propensity scores (PS) on receiving biologics between biologics users vs. nonusers by quantile bins

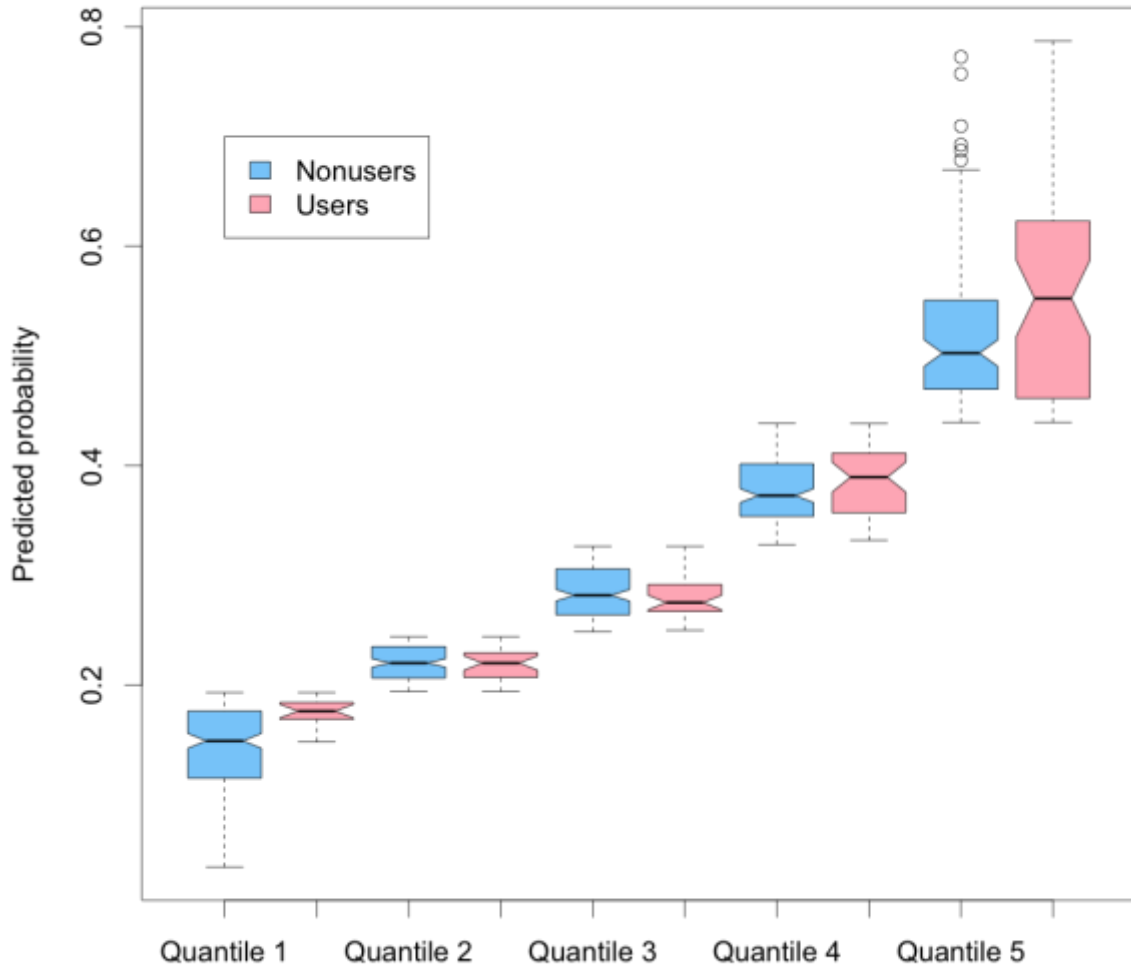


Figure S3.

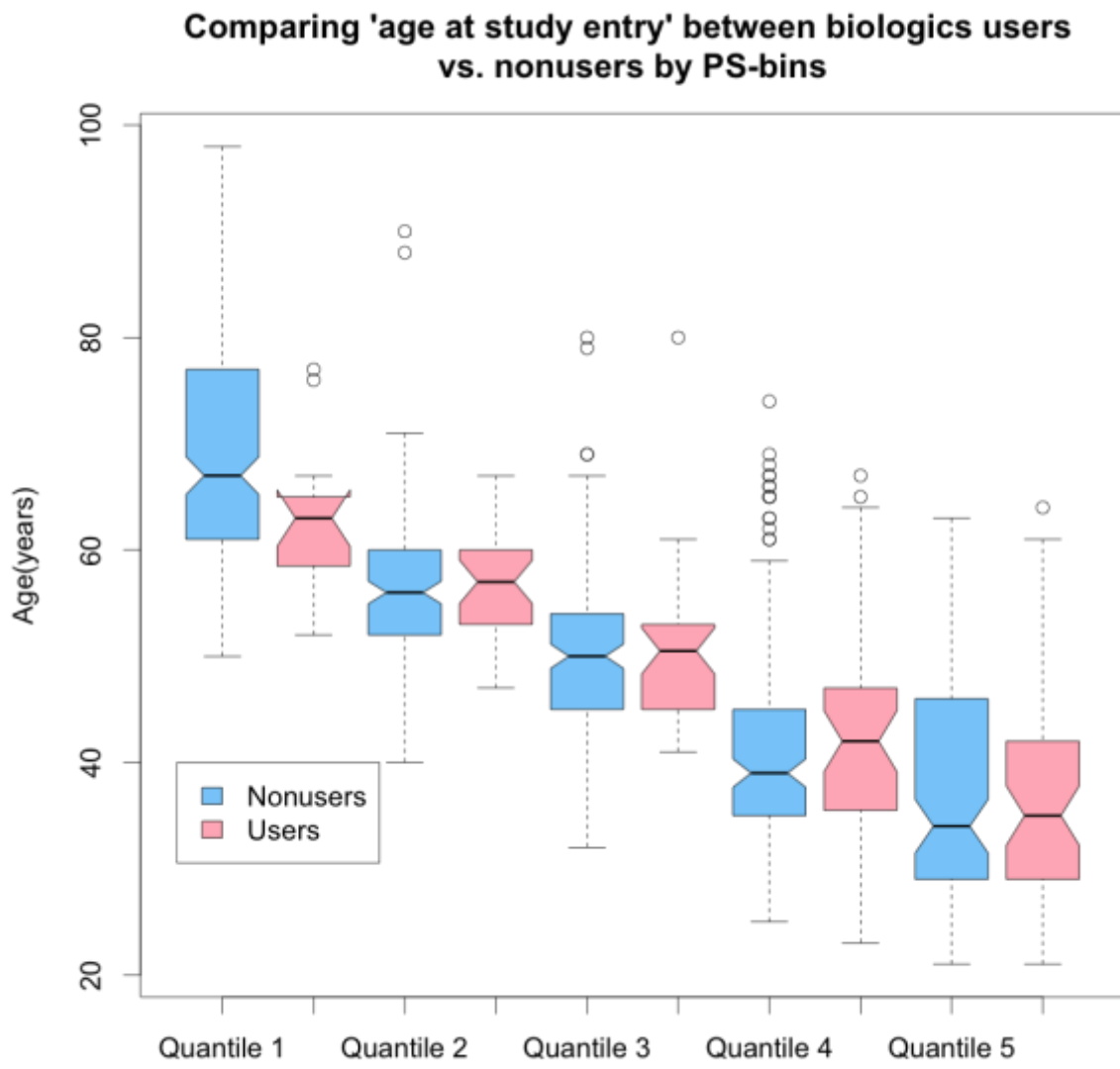


Table S1. Characteristics of adult psoriasis patients who were not at risks for incident SSTIs at follow-up in 2010-2015 (N=37)

At study entry, N (%)	Not at-risk	P value ^a
Age (year), Median (IQR)	53 (38-58)	0.539
Age group (year)		
20-40	10 (27.0%)	0.972
40-65	22 (59.5%)	
≥ 65	5 (13.5%)	
Male	22 (59.5%)	0.155
Calendar year at study entry		
2010	18 (48.6%)	0.166
2011	2 (5.4%)	
2012	5 (13.5%)	
2013	10 (27.0%)	
2014	2 (5.4%)	
Arthropathy diagnosis	3 (8.1%)	0.464
Steroid use		
None	3 (8.1%)	0.045
Topical only	31 (83.8%)	
Low dose	0 (0.0%)	
Medium dose	3 (8.1%)	
No. steroid in use, Median (IQR)	2 (2-3)	0.043

a. P value for ranksum test for nominal variables and for chi-square or Fisher's exact test for categorical variables comparing to at-risk patients in Table 1

Table S2. Types of incident SSTIs and the corresponding ICD-9-CM codes documented in 922 at-risk adult psoriasis patients followed at Dermatology Clinic, 2010-2015

Type	No. incident (%)	ICD-9-CM codes (no. events)
Abscess	97 (41.6%)	681.0; 682.0, 682.2, 682.3, 682.4, 682.5, 682.6, 682.7, 682.8, 682.9
SSTI others	115 (49.4%)	686.00, 686.8, 686.9
Carbuncle/furuncle	15 (6.4%)	680.2, 68.05, 680.8, 680.9
Decubitus ulcer	3 (1.3%)	707.0, 707.8, 707.9
SSI	3 (1.3%)	998.59, 996.66

Abbreviation: SSI, surgical site infection; SSTI, skin and soft tissue infection; no., number