

Physical function and severe side effects matter most to patients with RA (<5 years): A discrete choice experiment assessing preferences for personalized RA treatment

This supplementary file presents the Latent Class Analysis in which demographic and disease-related variables were tested individually for their potential impact on class membership: age, gender, occupation, education, numeracy, health literacy, RA duration, treatment, side effects, health status, pain, worry and compliance (table 1).

Table 1. Latent class analysis with covariates tested for potential impact on class membership.

Attribute levels	Class 1 estimate (SE)	P value	CI	Class 2 estimate (SE)	P value	CI
Latent class analysis without covariates						
Increase in physical functional capacity						
25% improvement (ref ^a)						
50% improvement	1.0 (0.68)	N/A ^b	-0.334 – 2.328	1.98 (0.48)	<0.01	1.041 – 2.922
75% improvement	2.08 (0.70)	<0.01	0.712 – 4.453	2.95 (0.52)	<0.01	1.931 – 3.972
100% improvement	2.36 (0.81)	<0.01	0.769 – 3.949	3.81 (0.60)	<0.01	2.624 – 4.986
Increase in psychosocial functional capacity						
25% improvement (ref)						
50% improvement	0.11 (0.42)	N/A	-0.71 – 0.94	0.68 (0.25)	<0.01	0.19 – 1.16
75% improvement	-0.12 (0.41)	N/A	-0.92 – 0.67	1.12 (0.29)	<0.01	0.56 – 1.68
100% improvement	0.45 (0.44)	N/A	-0.41 – 1.30	1.36 (0.27)	<0.01	0.82 – 1.89
Frequency of mild side effects						
Low (ref)						
Medium	-0.13 (0.28)	N/A	-0.68 – 0.40	-0.46 (0.16)	<0.01	-0.77 – (-0.14)
High	-0.61 (0.31)	<0.05	-1.21 – (-0.00)	-1.29 (0.21)	<0.01	-1.69 – (-0.88)
Likelihood of severe side effects						
Rare: 1 in 1,000 (ref)						
Common: 1 in 100	-0.94 (0.42)	<0.05	-1.76 – (-0.11)	-0.38 (0.23)	N/A	-0.83 – 0.07
Very common: 1 in 10	-4.69 (1.09)	<0.01	-6.82 – (-2.56)	-1.17 (0.31)	<0.01	-1.77 – (-0.07)
Class probability analysis. Separately calculated for each covariate						
Age	0.07 (0.14)	0.62	-0.21 – 0.35	-	-	-
Gender	-0.21 (0.39)	0.58	-0.97 – 0.54	-	-	-
Occupation	-0.00 (0.60)	0.97	-0.11 – 0.11	-	-	-
Educational level	0.07 (0.09)	0.46	-0.12 – 0.26	-	-	-
Numeracy	-0.00 (0.00)	0.06	-0.00 – 0.00	-	-	-
Health literacy	-0.00 (0.00)	0.43	-0.00 – 0.00	-	-	-
RA duration	0.03 (0.19)	0.86	-0.35 – 0.42	-	-	-
Treatment (ever prescribed DMARDs)	-0.03 (0.07)	0.63	-0.18 – 0.11	-	-	-
Side effects (ever experienced side effects)	-0.02 (0.07)	0.72	-0.18 – 0.12	-	-	-
Current health status	0.39 (0.37)	0.29	-0.34 – 1.13	-	-	-
Experience of pain	0.43 (0.44)	0.33	-0.44 – 1.30	-	-	-
Experience of worry	0.00 (0.32)	0.98	-0.62 – 0.63	-	-	-
Compliance (How often do you take your treatment based on prescriptions from rheumatologists?)	-0.03 (0.32)	0.91	-0.67 – 0.60	-	-	-
Average class probability	43			57		
^a Reference category.						
^b N/A: not applicable.						
- Reference estimates						