Supplementary Materials

Table 1S Multivariate analysis for predictors of vaccine coverage

Characteristic	OR	95% CI	p-value
Diagnosis			
RA vs SLE	0.857	0.433, 1.704	0.657
Gender			
Males vs Females	1.245	0.629, 2.406	0.520
Age (years)	1.008	0.988, 1.028	0.440
BMI	1.012	0.952, 1.078	0.708
Smoking habit			
No vs Yes (current or previous)	1.365	0.816, 2.317	0.241
Education level			
Primary school vs High school	1.159	0.663, 2.032	0.604
Primary school vs University	1.779	0.875, 3.741	0.119
Disease activity			
Low vs High	0.742	0.413, 1.351	0.322
Comorbidities			
Absent vs Present	1.361	0.819, 2.265	0.234
Immunosuppression level			
Mild vs Moderate	0.798	0.317, 2.050	0.633
Mild vs High	0.877	0.426, 1.767	0.716

Multivariable logistic regression for predictors of overall vaccine uptake (having received at least one recommended vaccine). Results are expressed as odds ratios (OR) with 95% confidence intervals (CI). *p*-values were considered significant if <0.05

Abbreviations: OR, odds ratio; CI, confidence interval; RA, rheumatoid arthritis; SLE, systemic lupus erythematosus; BMI, body mass index.

Table 2S Post-hoc Chi-square residuals: Age groups by cluster

Age group	Cluster	StdResid	Sign
18–49	Not offered	0.9374236	NS
	Unaware	-0.3891559	NS
	Skeptical	-0.8133019	NS
50–64	Not offered	-3.1675401	Under-represented
	Unaware	2.7743263	Over-represented
	Skeptical	1.3557594	NS
≥65	Not offered	2.3982990	Over-represented
	Unaware	-2.4833727	Under-represented
	Skeptical	-0.6612904	NS

Post-hoc analysis of standardized residuals from the χ^2 test assessing the distribution of age groups across motivational clusters. Positive residuals indicate over-representation, whereas negative residuals indicate under-representation. We adopted

a standard cutoff of |1.96|. Residuals exceeding this threshold suggest significant over- or under-representation in the corresponding cluster.
Abbreviation: StdResid: Standard Residual from χ^2 test; NS, not significant