

Title manuscript: The estimation of a preference-based single index for the IBS-QoL by mapping to the EQ-5D-5L in patients with irritable bowel syndrome.

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Supplementary Table 1

Mapping equations from IBS-QoL score to EQ-5D-5L to IBS using OLS regression

	<i>Model 1</i> Total IBS-QoL score		<i>Model 2</i> Total IBS-QoL score + IBS-SSS + age		<i>Model 3</i> Two domains IBS-QoL: Dysphoria score + Body image score		<i>Model 4</i> Total IBS-QoL score + Squared IBS-SSS score		<i>Model 5</i> Dysphoria score + Body image score + squared IBS-SSS + age	
Type of analysis	OLS		OLS		OLS		OLS		OLS	
	Coef f.	SE	Coeff.	SE	Coef f.	SE	Coef f.	SE	Coef f.	SE
Constant	0.229	0.061**	0.443	0.096**	0.297	0.054**	0.385	0.077**	0.449	0.076**
IBS-QoL total score	0.007	0.001**	0.006	0.001**			0.006	0.001**		
IBS-SSS score			-0.00049	0.00018**						
Age			-0.0008	0.0009					-0.0005	0.001
IBS-QoL domain Dysphoria score					0.004	0.001**			0.003	0.0007**
IBS-QoL domain Body Image score					0.002	0.001**			0.002	0.0008*
Squared IBS-SSS score							-1.03E-6	3.24E-7**	9.36e-07	3.32e-07**

Coeff. = Coefficients, determined by regression analysis in STATA. SE: Standardized Error. Significance * p < 0.05, ** p < 0.01. IBS-QoL total score: Score between 0-100. IBS-SSS score: score between 0 and 500 defining the severity of IBS.