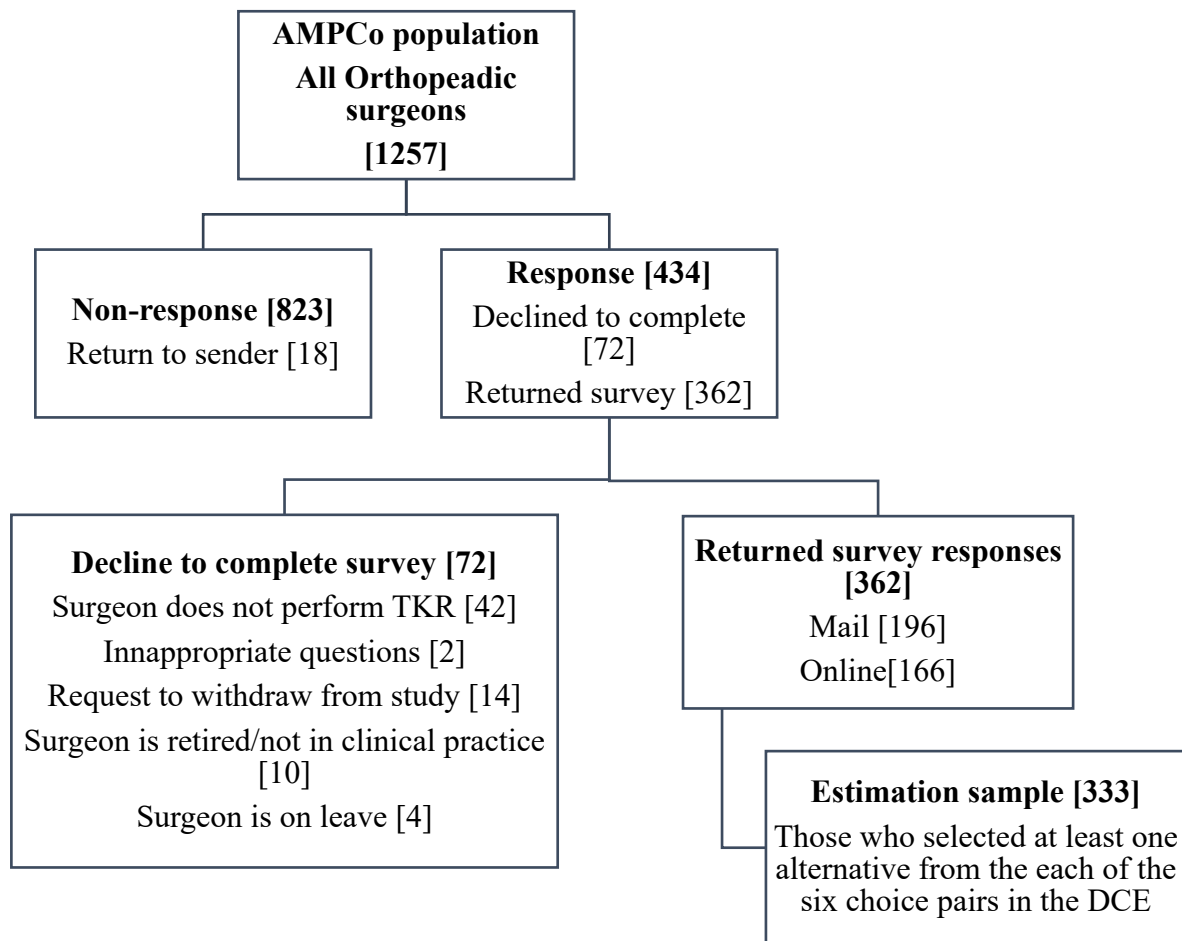


Supplementary file

Supplementary Table 1 Big Five personality domains and description of traits

Big Five dimensions	Description
Openness to experience	Open-minded, curious, creative
Conscientiousness	Organised, diligent, responsible
Extraversion	Sociable, enthusiastic, out-going
Agreeableness	Good natured, altruistic, cooperative
Neuroticism	Anxious, stressed, irritable

Supplementary Figure 1 Consort diagram



Supplementary Table 2 Mixed logit model results

	Parameter	Coeff	Std. Error
Pain outcomes:			
No day time pain	Mean	4.88***	0.71
	Std. Deviation	1.71***	0.35
Moderate day time pain	Mean	3.62***	0.52
	Std. Deviation	0.10	0.07
No night time pain	Mean	5.72***	0.76
	Std. Deviation	1.88***	0.39
Moderate night time pain	Mean	3.68***	0.52
	Std. Deviation	0.93***	0.33
Functional outcomes:			
No difficulty standing	Mean	3.96***	0.61
	Std. Deviation	0.70	0.62
Moderate difficulty standing	Mean	2.48***	0.43
	Std. Deviation	-0.04	0.09
No difficulty moving	Mean	2.95***	0.45
	Std. Deviation	1.41*	0.70
Moderate difficulty moving	Mean	1.39***	0.24
	Std. Deviation	-0.21	0.23
Risk of complications:			
Risk of new GP/specialist visits	Mean	-0.14***	0.03
	Std. Deviation	0.07***	0.02
Risk of reoperation	Mean	-0.06***	0.02
	Std. Deviation	-0.04*	0.02
Constant term	Mean	0.01	0.14
Number of responses		3862	
Number of respondents		333	
Log-likelihood		-796.85	
Prob > Chi2		0.0000	

*** $p \leq 0.01$, ** $p \leq 0.05$, * $p \leq 0.1$

Coeff = coefficient, Std. Error = standard error

Notes: Categorical variables for pain and function were coded as dummy variables with 'severe' as the omitted reference category. The risk attributes were continuous variables.