## Supplementary material S3 Predictors of TTO utilities

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## Title: Patient and general population values for luminal and perianal fistulising Crohn's disease health states

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Variables	Patient's current health TTO n=201, R <sup>2</sup> =0.14			Patients' TTO for hypothetical health states <sup>a</sup> n=102, R <sup>2</sup> =0.47			<b>General population TTO for</b> <b>hypothetical heath states</b> <sup>b</sup> n=155, R <sup>2</sup> =0.55		
	Coefficien t	Std. Error	p-value	Coefficien t	Std. Error	p-value	Coefficien t	Std. Error	p-value
Intercept	0.933	0.032	< 0.001	0.749	0.103	< 0.001	0.599	0.116	< 0.001
Hypothetical health states							-	-	-
Severe luminal disease (sCD)	-	-	-	-0.215	0.017	< 0.001	-0.299	0.016	< 0.001
Mild luminal disease with active perianal fistulas (mPFCD)	-	-	-	-0.118	0.015	< 0.001	-0.121	0.013	< 0.001
Severe luminal disease with active perianal fistulas (sPFCD)	_	-	-	-0.312	0.019	< 0.001	-0.393	0.016	< 0.001
Demographics									
Age (years)	-	-	-	-	-	-	0.002	0.001	0.045
Employment									
Full-time	-	-	-	-0.071	0.031	0.020	-	-	-
Retired	-0.176	0.082	0.033	-	-	-	-	-	-
Student	0.106	0.053	0.047	-	-	-	-	-	-
Disability pensioner	-	-	-	-	-	-	-0.174	0.075	0.021
Clinical characteristics									
BMI	-	-	-	0.012	0.004	0.005	-	-	-
CDAI (0-600)	-	-	-	-0.001	0.0003	0.036	-	-	-
Pain VAS (0-10)	-0.032	0.008	< 0.001	-	-	-	-	-	-
Previous non-resection surgery	-0.095	0.039	0.015	-	-	-	-	-	-
Other characteristics									
Family member or acquaintance diagnosed with CD	-	-	-	-	-	-	0.111	0.055	0.043
Subjective life expectancy (years)	-	-	-	-	-	-	0.003	0.001	0.018

a: Responses of 104 patients were excluded (n=50 non-traders, n=20 valued all health states for the same value, n=6 had more than two missing TTO responses and n=28 had illogical preferences). Thus, 102 patients were included in the regression analysis for hypothetical health states.

b: Responses of 66 people from the general public were excluded before regression analysis (n=26 non-traders and n=40 had illogical preferences). Thus, a total of 155 responses were analysed.

Independent variables: Age = respondent's age (years); BMI = body mass index (kg/m<sup>2</sup>); CDAI: score on Crohn's Disease Activity Index (0-600); *Disability pensioner*: no=0, yes=1; *Family member or friend diagnosed with CD*: no=0, yes=1; *Full-time employed*: no=0, yes=1; *Pain VAS*: pain currently experienced on a 0-100 visual analogue scale; *Previous non-resection surgery*: no=0, yes=1; *Retired*: no=0, yes=1; *Student*: no=0, yes=1; *Subjective life expectancy* = the respondent's subjective life expectancy (years) BMI = body mass index; CD = Crohn's disease; CDAI = Crohn's Disease Activity Index; TTO = time trade-off; VAS = visual analogue scale