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Supplementary materials

Table A1: Summary of sample used to derive the Hypo-RESOLVE-QoL-8D classification system (n=1246)

Category	Response	n	%
Age (years)	Mean (SD)	48.9(16.3)	
	Range	18-91	
	Prefer not to say/missing*	1	
Gender	Woman (including transgender woman)	684	54.9
	Man (including transgender man)	558	44.8
	Non-binary/gender-fluid	4	0.3
Ethnicity	Asian or Asian British	25	2.0
	Black, Black British, Caribbean, or African	9	0.7
	Mixed or multiple ethnic groups	26	2.1
	Other ethnic group	5	0.4
	White	1175	94.3
	Prefer not to say/missing	6	0.5
Education	GCSE or equivalent secondary school qualification	241	19.3
	A-level or equivalent post-secondary level qualification	292	23.4
	Bachelors or equivalent first degree level qualification	388	31.1
	Masters or equivalent higher degree level qualification	183	14.7
	PhD or equivalent doctoral level qualification	44	3.5
	None of the above	77	6.2
	Prefer not to say/missing	21	1.7
	Employment	Employed	797
Retired		271	21.7
Student/in training		35	2.8
Unemployed (due to disability or sickness)		87	7.0
Unemployed (job-seeking)		17	1.4
Unemployed (not seeking work)		27	2.2
Other [†]		3	0.2
Prefer not to say/missing		9	0.7
Diabetes type	Type 1 diabetes	993	79.7
	Type 2 diabetes	213	17.1
	Gestational diabetes	13	1.0
	Other	26	2.1
	Prefer not to say/missing	1	0.1
Diabetes duration (years)	Mean (SD)	22.68 (15.70)	
	Range	0-70	
	Prefer not to say/missing [‡]	7	

Table A2: Hypo-RESOLVE-QoL-8D responses in the sample of DCE survey respondents in response to the hypothetical vignette of a person with diabetes living with hypoglycaemia, %

	Do what I want	Felt exhausted	Work	Social life	Inconvenience	Anxious	Concentrate	Glucose
None of the time	5.60	9.20	20.60	21.20	25.60	15.90	15.90	28.30
Rarely	18.60	13.80	13.20	13.60	19.10	11.20	12.60	11.40
Sometimes	38.30	30.30	30.70	28.30	32.00	25.70	29.00	17.00
Often	15.40	35.20	26.80	27.20	19.40	32.80	30.60	26.60
Most of the time	22.10	11.50	8.70	9.70	3.90	14.40	11.90	16.70

Table A3: Robustness of regression analysis of DCE survey responses excluding respondents who may not have understood or engaged with the survey: Fully specified main effects model

VARIABLES	(1) All sample	(2) Chose dominant profile in practice task	(3) Dominant choice	(4) Understood	(5) Easy to answer	(6) Dominant choice & understood	(7) Dominant choice & easy to answer	(8) Non- speeder / slow responder	(9) Not diabetic	(10) Diabetics only
want1_LY	-0.020* (0.100)	-0.017 (0.207)	-0.011 (0.423)	-0.024* (0.069)	-0.035** (0.043)	-0.012 (0.410)	-0.022 (0.266)	-0.017 (0.222)	-0.015 (0.273)	-0.070** (0.047)
want2_LY	-0.003 (0.807)	-0.006 (0.592)	-0.003 (0.834)	-0.007 (0.565)	-0.011 (0.476)	-0.003 (0.810)	-0.011 (0.549)	0.000 (0.970)	-0.005 (0.658)	0.016 (0.651)
want3_LY	-0.059*** (0.000)	-0.060*** (0.000)	-0.062*** (0.000)	-0.067*** (0.000)	-0.069*** (0.000)	-0.066*** (0.000)	-0.067*** (0.000)	-0.059*** (0.000)	-0.056*** (0.000)	-0.081*** (0.009)
want4_LY	-0.085*** (0.000)	-0.092*** (0.000)	-0.098*** (0.000)	-0.093*** (0.000)	-0.081*** (0.000)	-0.101*** (0.000)	-0.093*** (0.000)	-0.089*** (0.000)	-0.086*** (0.000)	-0.079** (0.015)
exhausted1_LY	-0.014 (0.208)	-0.014 (0.222)	-0.019 (0.117)	-0.015 (0.202)	-0.008 (0.598)	-0.017 (0.171)	-0.009 (0.603)	-0.016 (0.208)	-0.016 (0.171)	-0.009 (0.802)
exhausted2_LY	-0.023** (0.031)	-0.015 (0.172)	-0.024** (0.039)	-0.025** (0.023)	-0.031** (0.030)	-0.026** (0.027)	-0.033** (0.043)	-0.024** (0.046)	-0.023** (0.036)	-0.022 (0.512)
exhausted3_LY	-0.044*** (0.000)	-0.044*** (0.000)	-0.052*** (0.000)	-0.046*** (0.000)	-0.043*** (0.002)	-0.052*** (0.000)	-0.053*** (0.001)	-0.045*** (0.000)	-0.044*** (0.000)	-0.056* (0.074)
exhausted4_LY	-0.090*** (0.000)	-0.089*** (0.000)	-0.096*** (0.000)	-0.092*** (0.000)	-0.091*** (0.000)	-0.097*** (0.000)	-0.094*** (0.000)	-0.091*** (0.000)	-0.091*** (0.000)	-0.093*** (0.005)
work1_LY	-0.020 (0.117)	-0.032** (0.016)	-0.014 (0.316)	-0.021 (0.123)	-0.035** (0.050)	-0.013 (0.368)	-0.033* (0.099)	-0.011 (0.450)	-0.020 (0.155)	-0.037 (0.332)
work2_LY	-0.037*** (0.001)	-0.038*** (0.001)	-0.034*** (0.003)	-0.037*** (0.001)	-0.033** (0.026)	-0.036*** (0.003)	-0.033** (0.045)	-0.033*** (0.006)	-0.038*** (0.001)	-0.026 (0.391)
work3_LY	-0.062*** (0.000)	-0.068*** (0.000)	-0.061*** (0.000)	-0.061*** (0.000)	-0.047*** (0.001)	-0.060*** (0.000)	-0.043*** (0.008)	-0.059*** (0.000)	-0.064*** (0.000)	-0.044 (0.127)
work4_LY	-0.092*** (0.000)	-0.098*** (0.000)	-0.093*** (0.000)	-0.097*** (0.000)	-0.095*** (0.000)	-0.100*** (0.000)	-0.102*** (0.000)	-0.095*** (0.000)	-0.099*** (0.000)	-0.035 (0.228)
social1_LY	0.036*** (0.003)	0.038*** (0.003)	0.037*** (0.006)	0.037*** (0.004)	0.027 (0.102)	0.039*** (0.005)	0.030 (0.109)	0.026* (0.057)	0.039*** (0.002)	0.003 (0.940)

VARIABLES	(1) All sample	(2) Chose dominant profile in practice task	(3) Dominant choice	(4) Understood	(5) Easy to answer	(6) Dominant choice & understood	(7) Dominant choice & easy to answer	(8) Non- speeder / slow responder	(9) Not diabetic	(10) Diabetics only
social2_LY	0.027** (0.012)	0.027** (0.015)	0.018 (0.121)	0.028** (0.013)	0.017 (0.246)	0.022* (0.080)	0.009 (0.609)	0.023* (0.060)	0.032*** (0.005)	-0.021 (0.508)
social3_LY	-0.000 (0.996)	0.001 (0.929)	-0.008 (0.512)	-0.002 (0.862)	-0.005 (0.740)	-0.008 (0.517)	-0.012 (0.510)	-0.003 (0.786)	0.003 (0.781)	-0.036 (0.292)
social4_LY	-0.032*** (0.003)	-0.032*** (0.003)	-0.046*** (0.000)	-0.031*** (0.005)	-0.030** (0.044)	-0.043*** (0.000)	-0.043*** (0.009)	-0.041*** (0.001)	-0.034*** (0.003)	-0.023 (0.462)
inconvenience1_LY	0.009 (0.363)	0.006 (0.550)	0.006 (0.601)	0.007 (0.514)	0.016 (0.231)	0.008 (0.496)	0.010 (0.503)	0.002 (0.865)	0.004 (0.706)	0.044 (0.140)
inconvenience2_LY	-0.014 (0.182)	-0.012 (0.280)	-0.013 (0.243)	-0.015 (0.168)	-0.003 (0.858)	-0.012 (0.300)	0.003 (0.867)	-0.021* (0.070)	-0.012 (0.299)	-0.045 (0.161)
inconvenience3_LY	-0.007 (0.504)	-0.009 (0.395)	-0.009 (0.411)	-0.011 (0.294)	0.001 (0.921)	-0.010 (0.385)	-0.004 (0.795)	-0.016 (0.161)	-0.006 (0.587)	-0.008 (0.778)
inconvenience4_LY	-0.084*** (0.000)	-0.091*** (0.000)	-0.093*** (0.000)	-0.087*** (0.000)	-0.074*** (0.000)	-0.091*** (0.000)	-0.087*** (0.000)	-0.092*** (0.000)	-0.086*** (0.000)	-0.068** (0.026)
anxious1_LY	0.003 (0.781)	0.005 (0.646)	-0.009 (0.475)	-0.003 (0.828)	0.006 (0.685)	-0.014 (0.250)	-0.016 (0.357)	-0.004 (0.734)	0.001 (0.911)	0.013 (0.710)
anxious2_LY	-0.019* (0.060)	-0.013 (0.211)	-0.011 (0.324)	-0.016 (0.135)	-0.023 (0.102)	-0.010 (0.382)	-0.020 (0.218)	-0.018 (0.121)	-0.019* (0.074)	-0.020 (0.517)
anxious3_LY	-0.023** (0.036)	-0.021* (0.073)	-0.036*** (0.003)	-0.025** (0.036)	-0.021 (0.179)	-0.040*** (0.002)	-0.048*** (0.008)	-0.031** (0.016)	-0.023* (0.052)	-0.032 (0.330)
anxious4_LY	-0.067*** (0.000)	-0.067*** (0.000)	-0.077*** (0.000)	-0.068*** (0.000)	-0.070*** (0.000)	-0.080*** (0.000)	-0.092*** (0.000)	-0.073*** (0.000)	-0.066*** (0.000)	-0.087*** (0.005)
concentrate1_LY	-0.007 (0.524)	-0.003 (0.781)	0.004 (0.714)	-0.006 (0.599)	-0.012 (0.436)	0.005 (0.668)	0.002 (0.888)	-0.001 (0.907)	-0.009 (0.419)	0.012 (0.721)
concentrate2_LY	0.044*** (0.000)	0.049*** (0.000)	0.046*** (0.000)	0.045*** (0.000)	0.054*** (0.000)	0.050*** (0.000)	0.064*** (0.000)	0.045*** (0.000)	0.045*** (0.000)	0.032 (0.302)
concentrate3_LY	-0.011 (0.255)	-0.014 (0.169)	-0.017 (0.121)	-0.009 (0.415)	0.002 (0.868)	-0.012 (0.289)	-0.002 (0.914)	-0.013 (0.266)	-0.016 (0.125)	0.025 (0.398)

VARIABLES	(1) All sample	(2) Chose dominant profile in practice task	(3) Dominant choice	(4) Understood	(5) Easy to answer	(6) Dominant choice & understood	(7) Dominant choice & easy to answer	(8) Non- speeder / slow responder	(9) Not diabetic	(10) Diabetics only
concentrate4_LY	-0.023** (0.020)	-0.025** (0.015)	-0.028*** (0.009)	-0.021** (0.041)	-0.016 (0.255)	-0.024** (0.037)	-0.019 (0.219)	-0.030*** (0.007)	-0.028*** (0.008)	0.017 (0.551)
glucose1_LY	0.051*** (0.000)	0.060*** (0.000)	0.058*** (0.000)	0.056*** (0.000)	0.057*** (0.001)	0.066*** (0.000)	0.070*** (0.000)	0.056*** (0.000)	0.049*** (0.000)	0.078** (0.033)
glucose2_LY	0.030*** (0.005)	0.036*** (0.001)	0.032*** (0.007)	0.032*** (0.005)	0.021 (0.154)	0.037*** (0.002)	0.029* (0.087)	0.029** (0.017)	0.033*** (0.004)	0.011 (0.714)
glucose3_LY	0.014 (0.201)	0.019* (0.084)	0.016 (0.162)	0.012 (0.296)	0.003 (0.834)	0.017 (0.173)	0.009 (0.603)	0.008 (0.486)	0.014 (0.201)	0.008 (0.804)
glucose4_LY	-0.002 (0.850)	0.004 (0.740)	-0.003 (0.799)	-0.001 (0.920)	-0.021 (0.174)	-0.003 (0.821)	-0.021 (0.219)	0.002 (0.855)	-0.002 (0.846)	0.008 (0.799)
LY	0.370*** (0.000)	0.380*** (0.000)	0.404*** (0.000)	0.384*** (0.000)	0.380*** (0.000)	0.407*** (0.000)	0.426*** (0.000)	0.391*** (0.000)	0.374*** (0.000)	0.369*** (0.000)
Observations	18,000	16,866	15,822	16,506	9,306	14,652	8,010	14,400	15,786	2,214
Log likelihood	-4726	-4339	-4018	-4295	-2419	-3698	-1979	-3736	-4141	-571.7
Rho-squared	0.242	0.258	0.267	0.249	0.250	0.272	0.287	0.251	0.243	0.255

Notes: : P-values are reported in parentheses. *** P-values are significant at 1% level, ** P-values are significant at 5% level, * P-values are significant at 10% level. Level 0 is the reference level for attributes 'want_*LY' to 'glucose_*LY' and hence there is no utility decrement for the Hypo-RESOLVE QoL-8D items when they are at level 0. Chose dominant profile in practice task = includes participants who chose the dominant profile in the practice question on their first attempt. Dominant choice = includes participants who chose the dominant choice in the DCE dominance question included in the main DCE tasks. Understood = includes participants who reported finding the questions neither difficult nor easy to understand, fairly easy to understand or very easy to understand. Easy to answer = includes participants who reported finding the questions neither difficult nor easy to answer, fairly easy to answer or very easy to answer. Dominant choice and understood = includes participants who both chose the dominant choice in the DCE dominance question included in the main DCE tasks and reported finding the questions neither difficult nor easy to understand, fairly easy to understand or very easy to understand . Dominant choice and easy to answer = includes participants who both chose the dominant choice in the DCE dominance question included in the main DCE tasks and reported finding the questions neither difficult nor easy to answer, fairly easy to answer or very easy to answer. Non-speeder / slow responder = includes participants who completed the survey with durations that did not fall in the top 10% or bottom 10% of the duration distribution. Not diabetic = participants who self-reported they did not have diabetes. Diabetics only = participants who self-reported they did have diabetes.

**Table A4: Robustness of regression analysis of DCE survey responses excluding respondents who may not have understood or engaged with the survey:
Consistent main effects model**

VARIABLES	(1) All sample	(2) Chose dominant profile in practice task	(3) Dominant choice	(4) Understood	(5) Easy to answer	(6) Dominant choice & understood	(7) Dominant choice & easy to answer	(8) Non-speeder / slow responder	(9) Not diabetic	(10) Diabetics only
want1_LY/want2_LY	-0.004 (0.661)	-0.004 (0.730)	0.001 (0.964)	-0.008 (0.456)	-0.016 (0.274)	0.000 (0.968)	-0.008 (0.605)	-0.001 (0.917)	-0.004 (0.745)	-0.020 (0.504)
want3_LY	-0.055*** (0.000)	-0.057*** (0.000)	-0.060*** (0.000)	-0.062*** (0.000)	-0.065*** (0.000)	-0.063*** (0.000)	-0.064*** (0.000)	-0.056*** (0.000)	-0.052*** (0.000)	-0.079** (0.010)
want4_LY	-0.091*** (0.000)	-0.098*** (0.000)	-0.103*** (0.000)	-0.098*** (0.000)	-0.086*** (0.000)	-0.106*** (0.000)	-0.098*** (0.000)	-0.093*** (0.000)	-0.093*** (0.000)	-0.088*** (0.006)
exhausted1_LY	-0.012 (0.270)	-0.011 (0.327)	-0.016 (0.167)	-0.013 (0.248)	-0.008 (0.594)	-0.014 (0.242)	-0.009 (0.575)	-0.015 (0.209)	-0.013 (0.229)	-0.011 (0.748)
exhausted2_LY	-0.021** (0.037)	-0.013 (0.240)	-0.023** (0.040)	-0.025** (0.021)	-0.030** (0.032)	-0.027** (0.022)	-0.034** (0.027)	-0.024** (0.037)	-0.021** (0.048)	-0.027 (0.391)
exhausted3_LY	-0.042*** (0.000)	-0.041*** (0.000)	-0.048*** (0.000)	-0.045*** (0.000)	-0.042*** (0.002)	-0.050*** (0.000)	-0.052*** (0.000)	-0.044*** (0.000)	-0.042*** (0.000)	-0.052* (0.073)
exhausted4_LY	-0.082*** (0.000)	-0.079*** (0.000)	-0.088*** (0.000)	-0.085*** (0.000)	-0.084*** (0.000)	-0.089*** (0.000)	-0.089*** (0.000)	-0.085*** (0.000)	-0.083*** (0.000)	-0.084*** (0.009)
work1_LY	-0.020 (0.111)	-0.029** (0.026)	-0.012 (0.379)	-0.020 (0.131)	-0.035** (0.042)	-0.011 (0.441)	-0.031 (0.109)	-0.011 (0.450)	-0.018 (0.182)	-0.045 (0.211)
work2_LY	-0.043*** (0.000)	-0.045*** (0.000)	-0.040*** (0.000)	-0.043*** (0.000)	-0.041*** (0.004)	-0.042*** (0.000)	-0.040** (0.011)	-0.040*** (0.001)	-0.044*** (0.000)	-0.039 (0.182)
work3_LY	-0.063*** (0.000)	-0.069*** (0.000)	-0.065*** (0.000)	-0.062*** (0.000)	-0.049*** (0.000)	-0.065*** (0.000)	-0.049*** (0.002)	-0.061*** (0.000)	-0.065*** (0.000)	-0.048* (0.088)
work4_LY	-0.084*** (0.000)	-0.089*** (0.000)	-0.087*** (0.000)	-0.089*** (0.000)	-0.086*** (0.000)	-0.094*** (0.000)	-0.096*** (0.000)	-0.087*** (0.000)	-0.091*** (0.000)	-0.030 (0.284)
social3_LY	-0.024***	-0.023***	-0.028***	-0.026***	-0.021*	-0.030***	-0.025**	-0.022**	-0.024***	-0.025

VARIABLES	(1) All sample	(2) Chose dominant profile in practice task	(3) Dominant choice	(4) Understood	(5) Easy to answer	(6) Dominant choice & understood	(7) Dominant choice & easy to answer	(8) Non-speeder / slow responder	(9) Not diabetic	(10) Diabetics only
social4_LY	(0.004) -0.050***	(0.008) -0.051***	(0.002) -0.060***	(0.003) -0.050***	(0.064) -0.040***	(0.001) -0.059***	(0.049) -0.051***	(0.021) -0.056***	(0.007) -0.054***	(0.300) -0.018
inconvenience2_LY/ inconvenience3_LY	(0.000) -0.020***	(0.000) -0.019***	(0.000) -0.019**	(0.000) -0.022***	(0.000) -0.014	(0.000) -0.022***	(0.000) -0.013	(0.000) -0.025***	(0.000) -0.016**	(0.419) -0.049**
inconvenience4_LY	(0.005) -0.083***	(0.009) -0.088***	(0.012) -0.093***	(0.003) -0.085***	(0.148) -0.075***	(0.007) -0.094***	(0.229) -0.090***	(0.002) -0.088***	(0.036) -0.082***	(0.015) -0.093***
anxious2_LY	(0.000) -0.022**	(0.000) -0.019**	(0.000) -0.013	(0.000) -0.018*	(0.000) -0.028**	(0.000) -0.010	(0.000) -0.022	(0.000) -0.020*	(0.000) -0.022**	(0.000) -0.031
anxious3_LY	(0.013) -0.029***	(0.045) -0.028***	(0.184) -0.037***	(0.065) -0.028***	(0.025) -0.030**	(0.320) -0.038***	(0.131) -0.047***	(0.055) -0.032***	(0.024) -0.027***	(0.246) -0.045
anxious4_LY	(0.002) -0.058***	(0.005) -0.059***	(0.000) -0.064***	(0.005) -0.056***	(0.025) -0.062***	(0.000) -0.064***	(0.001) -0.075***	(0.003) -0.061***	(0.007) -0.057***	(0.106) -0.075***
concentrate3_LY	(0.000) -0.029***	(0.000) -0.035***	(0.000) -0.039***	(0.000) -0.027***	(0.000) -0.019	(0.000) -0.036***	(0.000) -0.032**	(0.000) -0.033***	(0.000) -0.033***	(0.004) 0.002
concentrate4_LY	(0.001) -0.034***	(0.000) -0.039***	(0.000) -0.043***	(0.002) -0.033***	(0.102) -0.031***	(0.000) -0.040***	(0.014) -0.040***	(0.000) -0.044***	(0.000) -0.038***	(0.935) 0.002
glucose3_LY	(0.000) -0.009	(0.000) -0.008	(0.000) -0.011	(0.000) -0.014	(0.006) -0.017	(0.000) -0.015	(0.002) -0.020	(0.000) -0.014	(0.000) -0.009	(0.949) -0.011
glucose4_LY	(0.263) -0.028***	(0.341) -0.028***	(0.216) -0.035***	(0.112) -0.030***	(0.147) -0.045***	(0.101) -0.039***	(0.109) -0.055***	(0.116) -0.026***	(0.293) -0.029***	(0.623) -0.022
LY	(0.001) 0.425***	(0.001) 0.440***	(0.000) 0.459***	(0.000) 0.439***	(0.000) 0.433***	(0.000) 0.468***	(0.000) 0.484***	(0.005) 0.440***	(0.001) 0.427***	(0.342) 0.429***
Observations	(0.000) 18,000	(0.000) 16,866	(0.000) 15,822	(0.000) 16,506	(0.000) 9,306	(0.000) 14,652	(0.000) 8,010	(0.000) 14,400	(0.000) 15,786	(0.000) 2,214

VARIABLES	(1) All sample	(2) Chose dominant profile in practice task	(3) Dominant choice	(4) Understood	(5) Easy to answer	(6) Dominant choice & understood	(7) Dominant choice & easy to answer	(8) Non-speeder / slow responder	(9) Not diabetic	(10) Diabetics only
Log likelihood	-4750	-4364	-4038	-4318	-2435	-3721	-1994	-3753	-4162	-579.6
Rho-squared	0.239	0.253	0.264	0.245	0.245	0.267	0.282	0.248	0.239	0.245

Notes: : P-values are reported in parentheses. *** P-values are significant at 1% level, ** P-values are significant at 5% level, * P-values are significant at 10% level. Level 0 is the reference level for attributes 'want_*LY' to 'glucose_*LY' and hence there is no utility decrement for the Hypo-RESOLVE QoL-8D items when they are at level 0. Chose dominant profile in practice task = includes participants who chose the dominant profile in the practice question on their first attempt. Dominant choice = includes participants who chose the dominant choice in the DCE dominance question included in the main DCE tasks. Understood = includes participants who reported finding the questions neither difficult nor easy to understand, fairly easy to understand or very easy to understand. Easy to answer = includes participants who reported finding the questions neither difficult nor easy to answer, fairly easy to answer or very easy to answer. Dominant choice and understood = includes participants who both chose the dominant choice in the DCE dominance question included in the main DCE tasks and reported finding the questions neither difficult nor easy to understand, fairly easy to understand or very easy to understand . Dominant choice and easy to answer = includes participants who both chose the dominant choice in the DCE dominance question included in the main DCE tasks and reported finding the questions neither difficult nor easy to answer, fairly easy to answer or very easy to answer. Non-speeder / slow responder = includes participants who completed the survey with durations that did not fall in the top 10% or bottom 10% of the duration distribution. Not diabetic = participants who self-reported they did not have diabetes. Diabetics only = participants who self-reported they did have diabetes.

Table A5: Examining preference heterogeneity

VARIABLES	(1) All sample	(2) Male interactions	(3) Age 65+ interactions	(4) Age 18-24 interactions	(5) Employed interactions	(6) Diabetic interactions	(7) Fair/ poor health interactions
want1_LY	-0.020* (0.100)	-0.031* (0.072)	-0.018 (0.204)	-0.020 (0.126)	-0.002 (0.931)	-0.015 (0.273)	-0.023 (0.117)
want2_LY	-0.003 (0.807)	-0.021 (0.196)	-0.004 (0.778)	-0.001 (0.926)	0.003 (0.844)	-0.005 (0.658)	-0.009 (0.504)
want3_LY	-0.059*** (0.000)	-0.072*** (0.000)	-0.056*** (0.000)	-0.062*** (0.000)	-0.064*** (0.000)	-0.056*** (0.000)	-0.062*** (0.000)
want4_LY	-0.085*** (0.000)	-0.114*** (0.000)	-0.089*** (0.000)	-0.088*** (0.000)	-0.077*** (0.000)	-0.086*** (0.000)	-0.082*** (0.000)
exhausted1_LY	-0.014 (0.208)	-0.024 (0.118)	-0.010 (0.419)	-0.016 (0.163)	-0.013 (0.456)	-0.016 (0.171)	-0.007 (0.572)
exhausted2_LY	-0.023** (0.031)	-0.021 (0.159)	-0.012 (0.300)	-0.027** (0.018)	-0.045*** (0.006)	-0.023** (0.036)	-0.011 (0.352)
exhausted3_LY	-0.044*** (0.000)	-0.057*** (0.000)	-0.034*** (0.002)	-0.046*** (0.000)	-0.053*** (0.001)	-0.044*** (0.000)	-0.036*** (0.002)
exhausted4_LY	-0.090*** (0.000)	-0.093*** (0.000)	-0.082*** (0.000)	-0.094*** (0.000)	-0.112*** (0.000)	-0.091*** (0.000)	-0.078*** (0.000)
work1_LY	-0.020 (0.117)	-0.010 (0.597)	-0.017 (0.232)	-0.029** (0.035)	-0.021 (0.305)	-0.020 (0.155)	-0.013 (0.387)
work2_LY	-0.037*** (0.001)	-0.054*** (0.000)	-0.041*** (0.001)	-0.046*** (0.000)	-0.019 (0.247)	-0.038*** (0.001)	-0.033*** (0.007)
work3_LY	-0.062*** (0.000)	-0.064*** (0.000)	-0.062*** (0.000)	-0.071*** (0.000)	-0.072*** (0.000)	-0.064*** (0.000)	-0.054*** (0.000)
work4_LY	-0.092*** (0.000)	-0.104*** (0.000)	-0.094*** (0.000)	-0.105*** (0.000)	-0.092*** (0.000)	-0.099*** (0.000)	-0.087*** (0.000)
social1_LY	0.036*** (0.003)	0.017 (0.318)	0.036*** (0.007)	0.030** (0.021)	0.072*** (0.000)	0.039*** (0.002)	0.036*** (0.010)

VARIABLES	(1) All sample	(2) Male interactions	(3) Age 65+ interactions	(4) Age 18-24 interactions	(5) Employed interactions	(6) Diabetic interactions	(7) Fair/ poor health interactions
social2_LY	0.027** (0.012)	-0.001 (0.973)	0.027** (0.025)	0.027** (0.020)	0.039** (0.022)	0.032*** (0.005)	0.033*** (0.007)
social3_LY	-0.000 (0.996)	-0.009 (0.583)	0.003 (0.811)	-0.002 (0.867)	-0.000 (0.988)	0.003 (0.781)	0.006 (0.622)
social4_LY	-0.032*** (0.003)	-0.046*** (0.002)	-0.031*** (0.008)	-0.036*** (0.002)	-0.027* (0.098)	-0.034*** (0.003)	-0.025** (0.043)
inconvenience1_LY	0.009 (0.363)	0.002 (0.889)	0.006 (0.562)	0.010 (0.325)	0.022 (0.147)	0.004 (0.706)	0.009 (0.424)
inconvenience2_LY	-0.014 (0.182)	-0.027* (0.064)	-0.021* (0.073)	-0.006 (0.607)	-0.010 (0.535)	-0.012 (0.299)	-0.011 (0.367)
inconvenience3_LY	-0.007 (0.504)	-0.022 (0.123)	-0.003 (0.770)	-0.008 (0.439)	-0.007 (0.669)	-0.006 (0.587)	-0.002 (0.841)
inconvenience4_LY	-0.084*** (0.000)	-0.104*** (0.000)	-0.077*** (0.000)	-0.087*** (0.000)	-0.099*** (0.000)	-0.086*** (0.000)	-0.075*** (0.000)
anxious1_LY	0.003 (0.781)	-0.015 (0.338)	-0.009 (0.463)	0.008 (0.495)	0.012 (0.475)	0.001 (0.911)	-0.005 (0.697)
anxious2_LY	-0.019* (0.060)	-0.014 (0.345)	-0.017 (0.135)	-0.016 (0.133)	-0.014 (0.403)	-0.019* (0.074)	-0.027** (0.023)
anxious3_LY	-0.023** (0.036)	-0.046*** (0.003)	-0.030** (0.017)	-0.021* (0.082)	-0.019 (0.271)	-0.023* (0.052)	-0.025* (0.056)
anxious4_LY	-0.067*** (0.000)	-0.086*** (0.000)	-0.067*** (0.000)	-0.068*** (0.000)	-0.081*** (0.000)	-0.066*** (0.000)	-0.079*** (0.000)
concentrate1_LY	-0.007 (0.524)	-0.002 (0.922)	-0.006 (0.617)	-0.012 (0.311)	-0.007 (0.682)	-0.009 (0.419)	-0.002 (0.895)
concentrate2_LY	0.044*** (0.000)	0.032** (0.040)	0.044*** (0.000)	0.039*** (0.001)	0.059*** (0.001)	0.045*** (0.000)	0.042*** (0.001)
concentrate3_LY	-0.011	-0.007	-0.008	-0.019*	-0.013	-0.016	-0.016

VARIABLES	(1) All sample	(2) Male interactions	(3) Age 65+ interactions	(4) Age 18-24 interactions	(5) Employed interactions	(6) Diabetic interactions	(7) Fair/ poor health interactions
concentrate4_LY	(0.255) -0.023**	(0.604) -0.024*	(0.506) -0.019*	(0.081) -0.030***	(0.405) -0.030*	(0.125) -0.028***	(0.168) -0.024**
glucose1_LY	(0.020) 0.051***	(0.077) 0.050***	(0.092) 0.059***	(0.005) 0.050***	(0.050) 0.060***	(0.008) 0.049***	(0.038) 0.049***
glucose2_LY	(0.000) 0.030***	(0.003) 0.035**	(0.000) 0.032***	(0.000) 0.032***	(0.002) 0.024	(0.000) 0.033***	(0.000) 0.025**
glucose3_LY	(0.005) 0.014	(0.017) 0.025*	(0.007) 0.028**	(0.006) 0.011	(0.142) -0.002	(0.004) 0.014	(0.041) 0.007
glucose4_LY	(0.201) -0.002	(0.095) 0.002	(0.020) 0.009	(0.318) -0.010	(0.924) -0.019	(0.201) -0.002	(0.576) -0.004
interacted_want1_LY	(0.850)	(0.895) 0.024	(0.465) -0.018	(0.410) 0.008	(0.261) -0.031	(0.846) -0.056	(0.779) 0.004
interacted_want2_LY		(0.345) 0.038	(0.567) -0.000	(0.841) -0.008	(0.226) -0.011	(0.140) 0.021	(0.899) 0.025
interacted_want3_LY		(0.101) 0.026	(0.998) -0.021	(0.818) 0.029	(0.643) 0.008	(0.567) -0.026	(0.356) 0.009
interacted_want4_LY		(0.212) 0.058***	(0.431) 0.008	(0.381) 0.024	(0.706) -0.017	(0.439) 0.007	(0.698) -0.017
interacted_exhausted1_LY		(0.007) 0.021	(0.766) -0.018	(0.473) 0.021	(0.428) -0.003	(0.841) 0.007	(0.486) -0.029
interacted_exhausted2_LY		(0.343) -0.005	(0.517) -0.052**	(0.545) 0.022	(0.902) 0.037*	(0.844) 0.001	(0.266) -0.047*
interacted_exhausted3_LY		(0.823) 0.027	(0.045) -0.053**	(0.510) 0.010	(0.088) 0.011	(0.972) -0.012	(0.064) -0.035
interacted_exhausted4_LY		(0.178) 0.004	(0.037) -0.039	(0.750) 0.030	(0.590) 0.036	(0.712) -0.003	(0.141) -0.051*
		(0.845)	(0.164)	(0.375)	(0.106)	(0.937)	(0.053)

VARIABLES	(1) All sample	(2) Male interactions	(3) Age 65+ interactions	(4) Age 18-24 interactions	(5) Employed interactions	(6) Diabetic interactions	(7) Fair/ poor health interactions
interacted_work1_LY		-0.023 (0.382)	-0.016 (0.626)	0.068* (0.082)	0.000 (0.990)	-0.017 (0.674)	-0.027 (0.381)
interacted_work2_LY		0.036* (0.092)	0.018 (0.498)	0.069** (0.030)	-0.029 (0.179)	0.011 (0.731)	-0.015 (0.560)
interacted_work3_LY		0.004 (0.846)	-0.006 (0.825)	0.069** (0.019)	0.017 (0.426)	0.020 (0.520)	-0.031 (0.194)
interacted_work4_LY		0.026 (0.193)	0.003 (0.921)	0.092*** (0.002)	-0.001 (0.953)	0.064** (0.036)	-0.020 (0.386)
interacted_social1_LY		0.041* (0.087)	0.001 (0.986)	0.055 (0.143)	-0.060** (0.017)	-0.036 (0.341)	0.003 (0.905)
interacted_social2_LY		0.055** (0.010)	-0.004 (0.895)	-0.002 (0.950)	-0.020 (0.357)	-0.053 (0.117)	-0.031 (0.213)
interacted_social3_LY		0.018 (0.416)	-0.026 (0.371)	0.015 (0.662)	0.000 (1.000)	-0.039 (0.277)	-0.028 (0.285)
interacted_social4_LY		0.027 (0.197)	-0.003 (0.910)	0.035 (0.278)	-0.008 (0.708)	0.010 (0.760)	-0.033 (0.183)
interacted_inconvenience1_LY		0.017 (0.389)	0.017 (0.484)	-0.002 (0.938)	-0.022 (0.285)	0.040 (0.205)	-0.001 (0.956)
interacted_inconvenience2_LY		0.029 (0.171)	0.030 (0.251)	-0.057* (0.069)	-0.008 (0.693)	-0.033 (0.326)	-0.017 (0.494)
interacted_inconvenience3_LY		0.035* (0.085)	-0.022 (0.394)	0.014 (0.645)	-0.001 (0.972)	-0.003 (0.934)	-0.018 (0.444)
interacted_inconvenience4_LY		0.044** (0.034)	-0.041 (0.116)	0.029 (0.357)	0.024 (0.244)	0.018 (0.583)	-0.038 (0.116)
interacted_anxious1_LY		0.039* (0.085)	0.068** (0.017)	-0.028 (0.404)	-0.017 (0.446)	0.012 (0.751)	0.032 (0.233)
interacted_anxious2_LY		-0.010	-0.010	-0.021	-0.008	-0.000	0.032

VARIABLES	(1) All sample	(2) Male interactions	(3) Age 65+ interactions	(4) Age 18-24 interactions	(5) Employed interactions	(6) Diabetic interactions	(7) Fair/ poor health interactions
		(0.642)	(0.716)	(0.517)	(0.696)	(0.988)	(0.176)
interacted_anxious3_LY		0.047**	0.036	-0.013	-0.006	-0.009	0.007
		(0.035)	(0.203)	(0.713)	(0.790)	(0.795)	(0.785)
interacted_anxious4_LY		0.040*	-0.003	0.011	0.025	-0.020	0.046*
		(0.052)	(0.894)	(0.729)	(0.215)	(0.528)	(0.052)
interacted_concentrate1_LY		-0.012	-0.012	0.038	-0.002	0.021	-0.027
		(0.581)	(0.667)	(0.255)	(0.918)	(0.543)	(0.296)
interacted_concentrate2_LY		0.027	0.001	0.020	-0.024	-0.013	0.006
		(0.227)	(0.979)	(0.552)	(0.282)	(0.708)	(0.812)
interacted_concentrate3_LY		-0.009	-0.025	0.044	0.002	0.042	0.017
		(0.659)	(0.331)	(0.155)	(0.906)	(0.188)	(0.459)
interacted_concentrate4_LY		0.006	-0.018	0.038	0.012	0.045	0.006
		(0.767)	(0.464)	(0.214)	(0.548)	(0.145)	(0.805)
interacted_glucose1_LY		0.005	-0.047	0.007	-0.014	0.029	0.014
		(0.846)	(0.125)	(0.839)	(0.568)	(0.450)	(0.624)
interacted_glucose2_LY		-0.009	-0.017	-0.015	0.009	-0.022	0.026
		(0.686)	(0.537)	(0.619)	(0.673)	(0.511)	(0.298)
interacted_glucose3_LY		-0.022	-0.076***	0.016	0.028	-0.007	0.034
		(0.295)	(0.006)	(0.628)	(0.201)	(0.847)	(0.174)
interacted_glucose4_LY		-0.007	-0.063**	0.057*	0.031	0.011	0.012
		(0.732)	(0.028)	(0.082)	(0.156)	(0.760)	(0.642)
interacted_LY		-0.119***	0.173***	-0.203***	-0.033	-0.006	0.078
		(0.004)	(0.002)	(0.001)	(0.429)	(0.934)	(0.115)
LY	0.370***	0.428***	0.342***	0.398***	0.392***	0.374***	0.353***
	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)	(0.000)
Observations	18,000	18,000	18,000	18,000	18,000	18,000	18,000
Log likelihood	-4726	-4702	-4692	-4702	-4706	-4712	-4711

VARIABLES	(1) All sample	(2) Male interactions	(3) Age 65+ interactions	(4) Age 18-24 interactions	(5) Employed interactions	(6) Diabetic interactions	(7) Fair/ poor health interactions
Rho-squared	0.242	0.246	0.248	0.246	0.246	0.245	0.245

Notes: : P-values are reported in parentheses. *** P-values are significant at 1% level, ** P-values are significant at 5% level, * P-values are significant at 10% level. Level 0 is the reference level for attributes 'want_*LY' to 'glucose_*LY' and hence there is no utility decrement for the Hypo-RESOLVE QoL-8D items when they are at level 0.

Table A6: Comparison of results with an alternative mixed logit model specification

VARIABLES	Conditional logit		Mixed logit	
	(1) All sample	(2) Consistent model	(3) All sample	(4) Consistent model
want1_LY	-0.020* (0.100)	-0.004 (0.661)	-0.028 (0.181)	-0.022 (0.163)
want2_LY	-0.003 (0.807)	-0.004 (0.661)	-0.029 (0.142)	-0.022 (0.163)
want3_LY	-0.059*** (<0.001)	-0.055*** (<0.001)	-0.122*** (<0.001)	-0.100*** (<0.001)
want4_LY	-0.085*** (<0.001)	-0.091*** (<0.001)	-0.185*** (<0.001)	-0.169*** (<0.001)
exhausted1_LY	-0.014 (0.208)	-0.012 (0.270)	-0.035** (0.042)	-0.030** (0.042)
exhausted2_LY	-0.023** (0.031)	-0.021** (0.037)	-0.058*** (<0.001)	-0.044*** (0.003)
exhausted3_LY	-0.044*** (<0.001)	-0.042*** (<0.001)	-0.084*** (<0.001)	-0.080*** (<0.001)
exhausted4_LY	-0.090*** (<0.001)	-0.082*** (<0.001)	-0.161*** (<0.001)	-0.134*** (<0.001)
work1_LY	-0.020 (0.117)	-0.020 (0.111)	-0.030 (0.170)	-0.013 (0.484)
work2_LY	-0.037*** (0.001)	-0.043*** (<0.001)	-0.065*** (<0.001)	-0.059*** (<0.001)
work3_LY	-0.062*** (<0.001)	-0.063*** (<0.001)	-0.106*** (<0.001)	-0.085*** (<0.001)
work4_LY	-0.092*** (<0.001)	-0.084*** (<0.001)	-0.140*** (<0.001)	-0.105*** (<0.001)
social1_LY	0.036*** (0.003)		0.031 (0.108)	
social2_LY	0.027** (0.012)		0.035* (0.057)	
social3_LY	-0.000 (0.996)	-0.024*** (0.004)	-0.027 (0.136)	-0.045*** (<0.001)
social4_LY	-0.032*** (0.003)	-0.050*** (<0.001)	-0.076*** (<0.001)	-0.087*** (<0.001)
inconvenience1_LY	0.009 (0.363)		0.009 (0.609)	
inconvenience2_LY	-0.014 (0.182)	-0.020*** (0.005)	-0.040** (0.026)	-0.046*** (<0.001)
inconvenience3_LY	-0.007 (0.504)	-0.020*** (0.005)	-0.047*** (0.005)	-0.046*** (<0.001)
inconvenience4_LY	-0.084*** (<0.001)	-0.083*** (<0.001)	-0.156*** (<0.001)	-0.130*** (<0.001)
anxious1_LY	0.003		0.006	

VARIABLES	Conditional logit		Mixed logit	
	(1) All sample	(2) Consistent model	(3) All sample	(4) Consistent model
	(0.781)		(0.728)	
anxious2_LY	-0.019*	-0.022**	-0.038**	-0.042***
	(0.060)	(0.013)	(0.029)	(0.001)
anxious3_LY	-0.023**	-0.029***	-0.043**	-0.052***
	(0.036)	(0.002)	(0.020)	(<0.001)
anxious4_LY	-0.067***	-0.058***	-0.096***	-0.079***
	(<0.001)	(<0.001)	(<0.001)	(<0.001)
concentrate1_LY	-0.007		-0.003	
	(0.524)		(0.875)	
concentrate2_LY	0.044***		0.056***	
	(<0.001)		(0.002)	
concentrate3_LY	-0.011	-0.029***	-0.038**	-0.052***
	(0.255)	(0.001)	(0.026)	(<0.001)
concentrate4_LY	-0.023**	-0.034***	-0.049***	-0.054***
	(0.020)	(<0.001)	(0.002)	(<0.001)
glucose1_LY	0.051***		0.061***	
	(0.000)		(0.003)	
glucose2_LY	0.030***		0.019	
	(0.005)		(0.263)	
glucose3_LY	0.014	-0.009	-0.012	-0.025**
	(0.201)	(0.263)	(0.513)	(0.034)
glucose4_LY	-0.002	-0.028***	-0.027	-0.044***
	(0.850)	(0.001)	(0.139)	(<0.001)
LY	0.370***	0.425***	0.840***	0.803***
	(<0.001)	0	(<0.001)	(<0.001)
Observations	18,000	18,000	18,000	18,000
Log likelihood	-4726	-4750	-4256	-4287
Rho-squared	0.242	0.239		

Notes: P-values are reported in parentheses. *** P-values are significant at 1% level, ** P-values are significant at 5% level, * P-values are significant at 10% level. Level 0 is the reference level for attributes 'want_*LY' to 'glucose_*LY' and hence there is no utility decrement for the Hypo-RESOLVE QoL-8D items when they are at level 0. In Model 2/Model 4 levels where the coefficient is zero occur because the level has been merged with the reference level due to a logical inconsistency in Model 1/Model 3.

Table A7: Comparison of utility decrements with an alternative mixed logit model specification

Item	Level	Conditional logit Utility decrement and standard error	Mixed logit Utility decrement and standard error
Want	0	0	0
	1	-0.011	-0.027
		0.024	0.019
	2	-0.011	-0.027
		0.024	0.019
	3	-0.130	-0.125
		0.023	0.017
	4	-0.215	-0.211
		0.023	0.019
	Exhausted	0	0
1		-0.027	-0.037
		0.024	0.018
2		-0.050	-0.055
		0.023	0.017
3		-0.098	-0.100
		0.021	0.016
4		-0.193	-0.167
		0.022	0.017
Work		0	0
	1	-0.047	-0.016
		0.029	0.023
	2	-0.102	-0.074
		0.023	0.018
	3	-0.149	-0.106
		0.022	0.018
	4	-0.198	-0.131
		0.021	0.017
	Social	0	0
1		0	0
2		0	0
3		-0.056	-0.056
		0.019	0.014
4		-0.117	-0.108
	0.018	0.014	
Inconvenience	0	0	0

Item	Level	Conditional logit	Mixed logit
		Utility decrement and standard error	Utility decrement and standard error
Anxious	1	0	0
	2	-0.046 0.016	-0.057 0.012
	3	-0.046 0.016	-0.057 0.012
	4	-0.194 0.018	-0.162 0.015
	0	0	0
	1	0	0
	2	-0.053 0.021	-0.053 0.016
	3	-0.068 0.022	-0.065 0.017
	4	-0.138 0.019	-0.099 0.015
	0	0	0
Concentrate	1	0	0
	2	0	0
	3	-0.068 0.019	-0.065 0.015
	4	-0.080 0.019	-0.067 0.014
	0	0	0
	1	0	0
	2	0	0
	3	-0.021 0.019	-0.031 0.015
	4	-0.066 0.018	-0.054 0.014
	0	0	0

Notes: Standard errors using the Delta method are reported for the utility decrements.

Figure A1: Plot of time taken to complete survey, in seconds

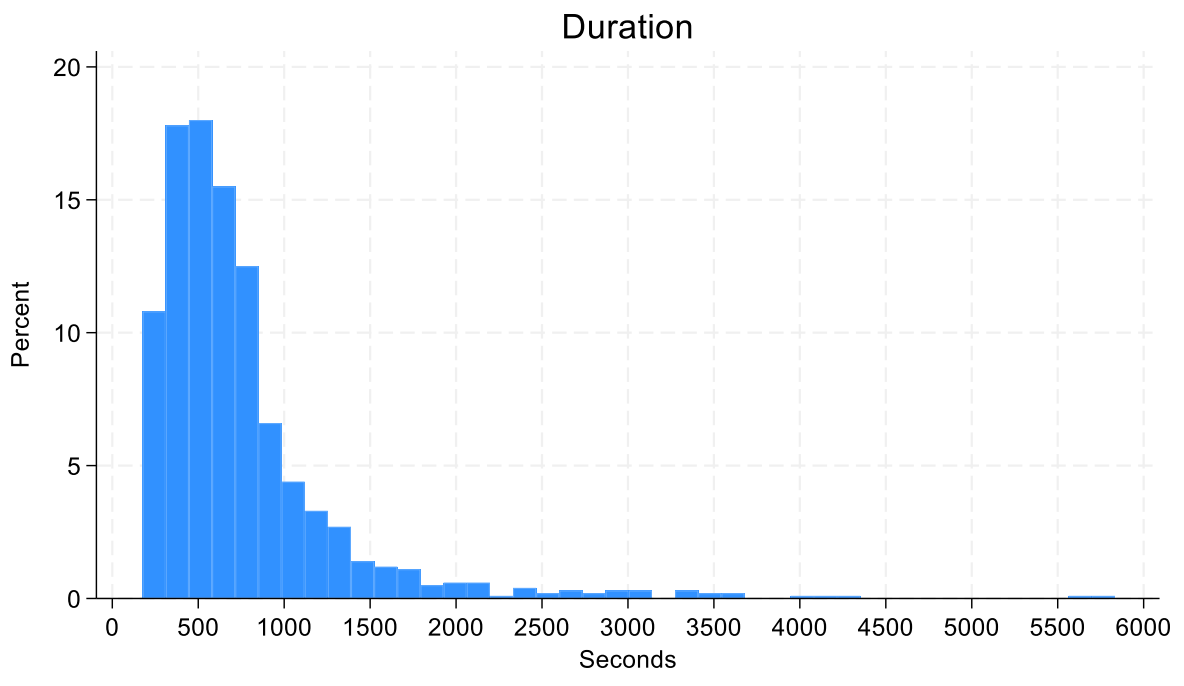


Figure A2: Plot of coefficients for the duration attribute (LY) modelled as a categorical variable

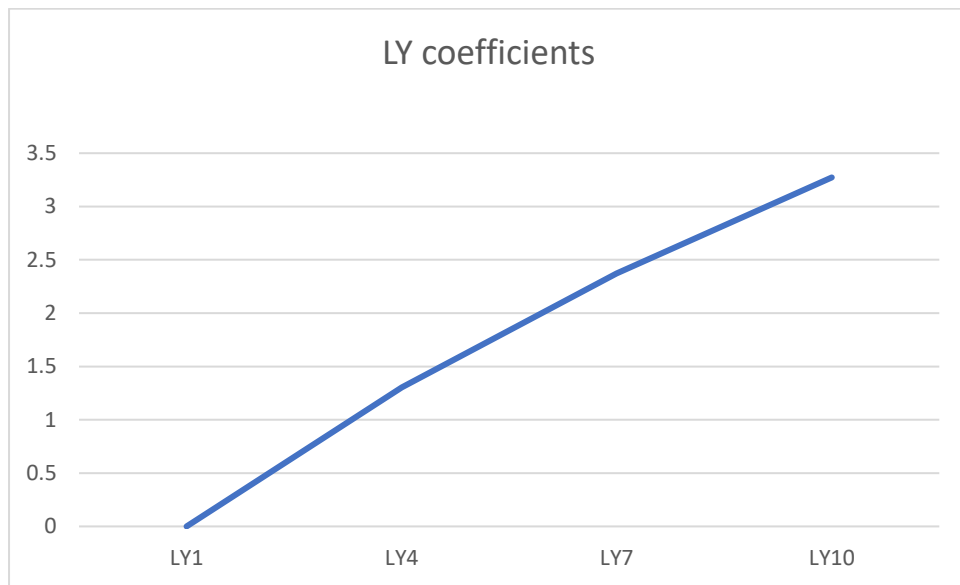


Figure A3: Plot of predicted utilities for all possible Hypo-RESOLVE QoL-8D states using the conditional logit anchored consistent model and the mixed logit anchored consistent model

