

**Disjunctive answer options complicate communication
a linguistic analysis of the danish EQ-5D (5 L) version**

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Supplementary file, including Appendix 1, 2 and 3

Appendix 1

Table 1a represents the answers that are true in the various situations that respondents may be in if property 1 (anxiety) and property 2 (depression) are always present to the same degree. We make no assumptions with respect to what is actually the case concerning the properties in question.

Table 1a.

	Level of property 1 (Anxious)	Level of property 2 (Depressed)	Answer option 5	Answer option 4	Answer option 3	Answer option 2	Answer option 1
1	Extremely	Extremely	True	True			
2	Very	Very		True			
3	Between very and moderately	Between very and moderately					
4	Moderately	Moderately			True		
5	Little	Little			True	True	
6	0	0					True

Table 1b represents the answers that are true in the various situations that respondents may be in if property 1 (difficulty washing) and property 2 (difficulty dressing) are always present to the same degree. We make no assumptions with respect to what is actually the case concerning the properties in question.

Table 1b.

	Level of property 1 (Difficulty washing)	Level of property 2 (Difficulty dressing)	Answer option 5	Answer option 4	Answer option 3	Answer option 2	
1	Inability	Inability	True	True			
2	Great	Great		True			
3	Between great and moderate	Between great and moderate					
4	Moderate	Moderate			True		
5	Little	Little			True	True	
6	0	0					True

Appendix 2

Table 2a represents the answers that are true in the various situations that respondents may be in if the relation between property 1 (anxiety) and property 2 (depression) is such that the degree to which property 2 is present can never exceed the degree to which property 1 is present, and there are no other restrictions on how their degree may differ. The reverse relationship can be represented by letting property 1 designate depression and property 2 designate anxiety. We make no assumptions with respect to what is actually the case concerning the properties in question.

Table 2a.

	Level of Property 1, (Anxious)	Level of Property 2, (Depressed)	Answer option 5	Answer option 4	Answer option 3	Answer option 2	Answer option 1
1	Extremely	Extremely	True	True			
2	Extremely	Very	True	T			
3	Extremely	Between very and moderately	True	True			
4	Extremely	Moderately	True	True	True		
5	Extremely	Little	True	True	True	True	
6	Extremely	0	True	True			True
7	Very	Very		True			
8	Very	Between very and moderately		True			
9	Very	Moderately		True	True		
10	Very	Little		True	True	True	
11	Very	0		True			True
12	Between very and moderately	Between very and moderately					
13	Between very and moderately	Moderately			True		
14	Between very and moderately	Little			True	True	
15	Between very and moderately	0					True
16	Moderately	Moderately			True		
17	Moderately	Little			True	True	
18	Moderately	0			True		True
19	Little	Little			True	True	
20	Little	0			True	True	True
21	0	0					True

Table 2b represents the answers that are true in the various situations that respondents may be in if the relation between property 1 (difficulty washing) and property 2 (difficulty dressing) is such that the degree to which property 2 is present can never exceed the degree to which property 1 is present, and there are no other restrictions on how their degree may differ. The reverse relationship can be represented by letting property 1 designate difficulty dressing and property 2 designate difficulty washing. We make no assumptions with respect to what is actually the case concerning the properties in question.

Table 2b.

	Level of Property 1, (Anxious)	Level of Property 2, (Depressed)	Answer option 5	Answer option 4	Answer option 3	Answer option 2	Answer option 1
1	Extremely	Extremely	True	True			
2	Extremely	Very	True	True			
3	Extremely	Between very and moderately	True	True			
4	Extremely	Moderately	True	True	True		
5	Extremely	Little	True	True	True	True	
6	Extremely	0	True	True			True
7	Very	Very		True			
8	Very	Between very and moderately		True			
9	Very	Moderately		True	True		
10	Very	Little		True	True	True	
11	Very	0		True			True
12	Between very and moderately	Between very and moderately					
13	Between very and moderately	Moderately			True		
14	Between very and moderately	Little			True	True	
15	Between very and moderately	0					True
16	Moderately	Moderately			True		
17	Moderately	Little			True	True	
18	Moderately	0			True		True
19	Little	Little			True	True	
20	Little	0			True	True	True
21	0	0					True

Appendix 3

Table 3a represents the answers that are true in the various situations that respondents may be in if the relation between property 1 (anxiety) and property 2 (depression) is such that there are no restrictions on how their degree may differ. We make no assumptions with respect to what is actually the case concerning the properties in question.

Table 3a.

	Level of Property 1, (Anxious)	Level of Property 2, (Depressed)	Answer option 5	Answer option 4	Answer option 3	Answer option 2	Answer option 1
1	Extremely	Extremely	True	True			
2	Extremely	Very	True	True			
3	Extremely	Between very and moderately	True	True			
4	Extremely	Moderately	True	True	True		
5	Extremely	Little	True	True	True	True	
6	Extremely	0	True	True			True
7	Very	Very		True			
8	Very	Between very and moderately		True			
9	Very	Moderately		True	True		
10	Very	Little		True	True	True	
11	Very	0		True			True
12	Between very and moderately	Between very and moderately					
13	Between very and moderately	Moderately			True		
14	Between very and moderately	Little			True	True	
15	Between very and moderately	0					True
16	Moderately	Moderately			True		
17	Moderately	Little			True	True	
18	Moderately	0			True		True
19	Little	Little			True	True	
20	Little	0			True	True	True
21	0	0					True
22	Very	Extremely	True	True			
23	Between very and moderately	Extremely	True	True			
24	Moderately	Extremely	True	True	True		
25	Little	Extremely	True	True	True	True	
26	0	Extremely	True	True			True
27	Between very and moderately	Very		True			
28	Moderately	Very		True	True		
29	Little	Very		True	True	True	
30	0	Very		True			True
31	Moderately	Between very and moderately			True		
32	Little	Between very and moderately			True	True	
33	0	Between very and moderately					True
34	Little	Moderately			True	True	
35	0	Moderately			True		True
36	0	Little			True	True	True

Table 3b represents the answers that are true in the various situations that respondents may be in if the relation between property 1 (difficulty washing) and property 2 (difficulty dressing) is such that there are no restrictions on how their degree may differ. We make no assumptions with respect to what is actually the case concerning the properties in question.

Table 3b.

	Level of Property 1, (Difficulty washing)	Level of Property 2, (Difficulty dressing)	Answer option 5	Answer option 4	Answer option 3	Answer option 2	Answer option 1
1	Extreme	Extreme	True	True			
2	Extreme	Strong	True	True			
3	Extreme	Between strong and moderate	True	True			
4	Extreme	Moderate	True	True	True		
5	Extreme	Little	True	True	True	True	
6	Extreme	0	True	True			True
7	Strong	Strong		True			
8	Strong	Between strong and moderate		True			
9	Strong	Moderate		True	True		
10	Strong	Little		True	True	True	
11	Strong	0		True			True
12	Between strong and moderate	Between strong and moderate					
13	Between strong and moderate	Moderate			True		
14	Between strong and moderate	Little			True	True	
15	Between strong and moderate	0					True
16	Moderate	Moderate			True		
17	Moderate	Little			True	True	
18	Moderate	0			True		True
19	Little	Little			True	True	
20	Little	0			True	True	True
21	0	0					True
22	Strong	Extreme	True	True			
23	Between strong and moderate	Extreme	True	True			
24	Moderate	Extreme	True	True	True		
25	Little	Extreme	True	True	True	True	
26	0	Extreme	True	True			True
27	Between strong and moderate	Strong		True			
28	Moderate	Strong		True	True		
29	Little	Strong		True	True	True	
30	0	Strong		True			True
31	Moderate	Between strong and moderate			True		
32	Little	Between strong and moderate			True	True	
33	0	Between strong and moderate					True
34	Little	Moderate			True	True	
35	0	Moderate			True		True
36	0	Little			True	True	True