Codes to calculate EQ-5D-5L index based on the Swedish experience-based TTO and VAS value sets

Refer to:
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Further explanation can be found in the above publication.

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EXCEL-BASED FORMULA FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO VALUE SET

Version 1 (use this if the line separator in your computer is set to a *comma*)

```
=0.9755-
((IF(A2=1,0,IF(A2=2,0.0287,IF(A2=3,0.0346,IF(OR(A2=4,A2=5),0.0523,"")))))+(IF(B2=1,0,IF(B2=2,0.0254,IF(B2=3,0.0817,IF(OR
(B2=4,B2=5),0.0824,"")))))+(IF(C2=1,0,IF(C2=2,0.0549,IF(C2=3,0.1143,IF(OR(C2=4,C2=5),0.1639,"")))))+(IF(D2=1,0,IF(D2=2,0.
0108,IF(D2=3,0.0428,IF(D2=4,0.1024,IF(D2=5,0.1974,""))))))+(IF(E2=1,0,IF(E2=2,0.0325,IF(E2=3,0.0868,IF(E2=4,0.2002,IF(E2
=5,0.2339,""))))))+(IF(OR(A2=5, B2=5, C2=5, D2=5, E2=5),0.0023,
IF(OR(A2=1,A2=2,A2=3,A2=4,B2=1,B2=2,B2=3,C2=4,C2=1,C2=2,C2=3,C2=4,D2=1,D2=2,D2=3,D2=4,E2=1,E2=2,E2=3,E2=4),0,"
"))))
```

Version 2 (use this if the line separator in your computer is set to a *semicolon*)

```
=0.9755-
((IF(A2=1;0;IF(A2=2;0.0287;IF(A2=3;0.0346;IF(OR(A2=4;A2=5);0.0523;"")))))+(IF(B2=1;0;IF(B2=2;0.0254;IF(B2=3;0.0817;IF(O
R(B2=4;B2=5);0.0824;"")))))+(IF(C2=1;0;IF(C2=2;0.0549;IF(C2=3;0.1143;IF(OR(C2=4;C2=5);0.1639;"")))))+(IF(D2=1;0;IF(D2=2;
0.0108;IF(D2=3;0.0428;IF(D2=4;0.1024;IF(D2=5;0.1974;""))))))+(IF(E2=1;0;IF(E2=2;0.0325;IF(E2=3;0.0868;IF(E2=4;0.2002;IF(
E2=5;0.2339;""))))))+(IF(OR(A2=5; B2=5; C2=5; D2=5; E2=5);0.0023;
IF(OR(A2=1;A2=2;A2=3;A2=4;B2=1;B2=2;B2=3;C2=4;C2=1;C2=2;C2=3;C2=4;D2=1;D2=2;D2=3;D2=4;E2=1;E2=2;E2=3;E2=4);0;
"")))
```

EXCEL-BASED FORMULA FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED VAS VALUE SET

Version 1 (use this if the line separator in your computer is set to a *comma*)

```
=88.85-
((IF(A2=1,0,IF(A2=2,3.37,IF(A2=3,5.53,IF(OR(A2=4,A2=5),9.05,"")))))+(IF(B2=1,0,IF(B2=2,2.25,IF(B2=3,2.82,IF(B2=4,6.07,IF(B2
=5,7.83,""))))))+(IF(C2=1,0,IF(C2=2,5.23,IF(C2=3,10.12,IF(C2=4,14.07,IF(C2=5,17.05,""))))))+(IF(D2=1,0,IF(D2=2,1.63,IF(D2=3,
4.43,IF(D2=4,10.14,IF(D2=5,17.05,""))))))+(IF(E2=1,0,IF(E2=2,4.97,IF(E2=3,10.75,IF(E2=4,16.52,IF(E2=5,27.3,""))))))+(IF(OR(A
2>=2,B2>=2,C2>=2,D2>=2,E2>=2),2.75,IF(OR(A2>5,B2>5,C2>5,D2>5,E2>5),"",0)))+(IF(OR(A2>=3,B2>=3,C2>=3,D2>=3,E2>=3),
4.19,IF(OR(A2>5,B2>5,C2>5,D2>5,E2>5),"",0)))+(IF(OR(A2>=4,B2>=4,C2>=4,D2>=4,E2>=4),1.85,IF(OR(A2>5,B2>5,C2>5,D2>5
,E2>5),"",0))))
```

Version 2 (please use this if the line separator in your computer is set to a *semicolon*)

```
=88.85-
((IF(A2=1;0;IF(A2=2;3.37;IF(A2=3;5.53;IF(OR(A2=4;A2=5);9.05;"")))))+(IF(B2=1;0;IF(B2=2;2.25;IF(B2=3;2.82;IF(B2=4;6.07;IF(B
2=5;7.83;""))))))+(IF(C2=1;0;IF(C2=2;5.23;IF(C2=3;10.12;IF(C2=4;14.07;IF(C2=5;17.05;""))))))+(IF(D2=1;0;IF(D2=2;1.63;IF(D2=
3;4.43;IF(D2=4;10.14;IF(D2=5;17.05;""))))))+(IF(E2=1;0;IF(E2=2;4.97;IF(E2=3;10.75;IF(E2=4;16.52;IF(E2=5;27.3;""))))))+(IF(OR
(A2>=2;B2>=2;C2>=2;D2>=2;E2>=2);2.75;IF(OR(A2>5;B2>5;C2>5;D2>5;E2>5);"";0)))+(IF(OR(A2>=3;B2>=3;C2>=3;D2>=3;E2>
=3);4.19;IF(OR(A2>5;B2>5;C2>5;D2>5;E2>5);"";0)))+(IF(OR(A2>=4;B2>=4;C2>=4;D2>=4;E2>=4);1.85;IF(OR(A2>5;B2>5;C2>5;
D2>5;E2>5);"";0))))
```

R SCRIPT FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO AND VAS VALUE SETS

R SCRIPT FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO VALUE SET

```
library(readxl)
data_5L <-read_excel("C:/Folders_files/EQ-5D-5L/EQ-5D-5L value sets/All_health_states_5L.xlsx")
str(data_5L)
View(data_5L)
##Create dummy variables representing severity levels 2 to 5 in each dimension ##

 data_5L$m2  <- ifelse(data_5L$mo==2,1,0)
 data_5L$m3  <- ifelse(data_5L$mo==3,1,0)
 data_5L$m45 <- ifelse(data_5L$mo==4 | data_5L$mo==5, 1, 0)

 data_5L$s2  <- ifelse(data_5L$sc==2,1,0)
 data_5L$s3  <- ifelse(data_5L$sc==3,1,0)
 data_5L$s45 <- ifelse(data_5L$sc==4 | data_5L$sc==5, 1, 0)

 data_5L$u2  <- ifelse(data_5L$ua==2,1,0)
 data_5L$u3  <- ifelse(data_5L$ua==3,1,0)
 data_5L$u45 <- ifelse(data_5L$ua==4 | data_5L$ua==5, 1, 0)

 data_5L$p2  <- ifelse(data_5L$pd==2,1,0)
 data_5L$p3  <- ifelse(data_5L$pd==3,1,0)
 data_5L$p4  <- ifelse(data_5L$pd==4,1,0)
 data_5L$p5  <- ifelse(data_5L$pd==5,1,0)

 data_5L$a2  <- ifelse(data_5L$ad==2,1,0)
 data_5L$a3  <- ifelse(data_5L$ad==3,1,0)
 data_5L$a4  <- ifelse(data_5L$ad==4,1,0)
 data_5L$a5  <- ifelse(data_5L$ad==5,1,0)

 data_5L$n5  <- ifelse(data_5L$mo==5|data_5L$sc==5|data_5L$ua==5|
               data_5L$pd==5|data_5L$ad==5,1,0)

 ## Assign each severity level with the decrements associated to them and sum up decrements##
 data_5L$index_5L_TTO <- 0.9755 -
                  (data_5L$m2*0.0287 + data_5L$m3*0.0346 + data_5L$m45*0.0523 +
                   data_5L$s2*0.0254 + data_5L$s3*0.0817 + data_5L$s45*0.0824 +
                   data_5L$u2*0.0549 + data_5L$u3*0.1143 + data_5L$u45*0.1639 +
                   data_5L$p2*0.0108 + data_5L$p3*0.0428 + data_5L$p4*0.1024 +
                   data_5L$p5*0.1974 + data_5L$a2*0.0325 + data_5L$a3*0.0868 +
                   data_5L$a4*0.2002 + data_5L$a5*0.2339 + data_5L$n5*0.0023)

 ##Drop dummy variables used in the process of calculating the EQ-5D-5L index##
 data_5L <- subset(data_5L, select = -c(m2: n5))
 View(data_5L)
```

R SCRIPT FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED VAS VALUE SET

```
##Create dummy variables representing severity levels 2 to 5 in each dimension ##
data_5L$m2  <- ifelse(data_5L$mo==2,1,0)
data_5L$m3  <- ifelse(data_5L$mo==3,1,0)
data_5L$m45 <- ifelse(data_5L$mo==4 | data_5L$mo==5, 1, 0)

data_5L$s2  <- ifelse(data_5L$sc==2,1,0)
data_5L$s3  <- ifelse(data_5L$sc==3,1,0)
data_5L$s4  <- ifelse(data_5L$sc==4,1,0)
data_5L$s5  <- ifelse(data_5L$sc==5,1,0)

data_5L$u2  <- ifelse(data_5L$ua==2,1,0)
data_5L$u3  <- ifelse(data_5L$ua==3,1,0)
data_5L$u4  <- ifelse(data_5L$ua==4,1,0)
data_5L$u5  <- ifelse(data_5L$ua==5,1,0)

data_5L$p2  <- ifelse(data_5L$pd==2,1,0)
data_5L$p3  <- ifelse(data_5L$pd==3,1,0)
data_5L$p4  <- ifelse(data_5L$pd==4,1,0)
data_5L$p5  <- ifelse(data_5L$pd==5,1,0)

data_5L$a2  <- ifelse(data_5L$ad==2,1,0)
data_5L$a3  <- ifelse(data_5L$ad==3,1,0)
data_5L$a4  <- ifelse(data_5L$ad==4,1,0)
data_5L$a5  <- ifelse(data_5L$ad==5,1,0)

data_5L$n2  <- ifelse(data_5L$mo>=2|data_5L$sc>=2|
              data_5L$ua>=2|data_5L$pd>=2|data_5L$ad>=2,1,0)
data_5L$n3  <- ifelse(data_5L$mo>=3|data_5L$sc>=3|
               data_5L$ua>=3|data_5L$pd>=3|data_5L$ad>=3,1,0)
data_5L$n4  <- ifelse(data_5L$mo>=4|data_5L$sc>=4|
               data_5L$ua>=4|data_5L$pd>=4|data_5L$ad>=4,1,0)

## Assign each severity level with the decrements associated to them and sum up decrements##
data_5L$index_5L_VAS<- 88.85 -
   (data_5L$m2*3.37  + data_5L$m3*5.53  + data_5L$m45*9.05 + data_5L$s2*2.25 +
    data_5L$s3*2.82  + data_5L$s4*6.07  + data_5L$s5*7.83  + data_5L$u2*5.23 +
    data_5L$u3*10.12 + data_5L$u4*14.07 + data_5L$u5*17.05 + data_5L$p2*1.63 +
    data_5L$p3*4.43  + data_5L$p4*10.14 + data_5L$p5*17.05 + data_5L$a2*4.97 +
    data_5L$a3*10.75 + data_5L$a4*16.52 + data_5L$a5*27.30 + data_5L$n2*2.75 +
    data_5L$n3*4.19  + data_5L$n4*1.85)

##Drop dummy variables used in the process of calculating the EQ-5D-5L index##
data_5L <- subset(data_5L, select = -c(m2: n4))
View(data_5L)
```

SAS PROGRAM FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO AND VAS VALUE SETS

/* SAS PROGRAM FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO VALUE SET */

```
/*Import data set*/
libname syntax 'C:\Folders_files\EQ-5D-5L\EQ-5D-5L value sets'; run;
proc import
 datafile="C:\Folders_files\EQ-5D-5L\EQ-5D-5L value sets\All_health_states_5L.xlsx"
 dbms=xlsx
 out=syntax.data_5L
 replace;
run;

 /*Create dummy variables representing severity levels 2 to 5 in each dimension and create conditional statements
assigning 1 to the dummy variables representing specific severity levels in the dataset*/

 data syntax.data_5L;
 set syntax.data_5L;

 if MO = 2 then m2 = 1; else m2=0;
 if MO = 3 then m3 = 1; else m3=0;
 if MO = 4 OR MO=5 then m45 = 1; else m45=0;

 if SC = 2 then s2 = 1; else s2=0;
 if SC = 3 then s3 = 1; else s3=0;
 if SC = 4 OR SC=5 then s45 = 1; else s45=0;

 if UA = 2 then u2 = 1; else u2=0;
 if UA = 3 then u3 = 1; else u3=0;
 if UA = 4 OR UA=5 then u45 = 1; else u45=0;

 if PD = 2 then p2 = 1; else p2=0;
 if PD = 3 then p3 = 1; else p3=0;
 if PD = 4 then p4 = 1; else p4=0;
 if PD = 5 then p5 = 1; else p5=0;

 if AD = 2 then a2 = 1; else a2=0;
 if AD = 3 then a3 = 1; else a3=0;
 if AD = 4 then a4 = 1; else a4=0;
 if AD = 5 then a5 = 1; else a5=0;

 if MO = 5 OR SC=5 OR UA=5 OR PD=5 OR AD=5 then n5=1; else n5=0;

/* Assign each severity level with the decrements associated to them and sum up decrements*/
 decrement = m2*0.0287 + m3*0.0346 + m45*0.0523 + s2*0.0254 + s3*0.0817 + s45*0.0824 +
          u2*0.0549 + u3*0.1143 + u45*0.1639 + p2*0.0108 + p3*0.0428 + p4*0.1024 +
          p5*0.1974 + a2*0.0325 + a3*0.0868  + a4*0.2002 + a5*0.2339 + n5*0.0023;
 /* Calculate EQ-5D-5L index by deducting the sum of decrements from the value for the '11111' health state */
Index_5L_TTO = 0.9755 - decrement;
 run;
/*Drop dummy variables used in the process of calculating the EQ-5D-5L index*/
data syntax.data_5L (drop = m2--decrement);
   set syntax.data_5L;
  run;
```

/* SAS PROGRAM FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED VAS VALUE SET */

```
 /* Create conditional statements assigning 1 to the dummy variables
              representing specific severity levels in the dataset*/

data syntax.data_5L;
 set syntax.data_5L;

 if MO = 2 then m2 = 1; else m2=0;
 if MO = 3 then m3 = 1; else m3=0;
 if MO = 4 OR MO=5 then m45 = 1; else m45=0;

 if SC = 2 then s2 = 1; else s2=0;
 if SC = 3 then s3 = 1; else s3=0;
 if SC = 4 then s4 = 1; else s4=0;
 if SC = 5 then s5 = 1; else s5=0;

 if UA = 2 then u2 = 1; else u2=0;
 if UA = 3 then u3 = 1; else u3=0;
 if UA = 4 then u4 = 1; else u4=0;
 if UA = 5 then u5 = 1; else u5=0;

 if PD = 2 then p2 = 1; else p2=0;
 if PD = 3 then p3 = 1; else p3=0;
 if PD = 4 then p4 = 1; else p4=0;
 if PD = 5 then p5 = 1; else p5=0;

 if AD = 2 then a2 = 1; else a2=0;
 if AD = 3 then a3 = 1; else a3=0;
 if AD = 4 then a4 = 1; else a4=0;
 if AD = 5 then a5 = 1; else a5=0;

 if MO ge 2 OR SC ge 2 OR UA ge 2 OR PD ge 2 OR AD ge 2 then n2=1; else n2=0;
 if MO ge 3 OR SC ge 3 OR UA ge 3 OR PD ge 3 OR AD ge 3 then n3=1; else n3=0;
 if MO ge 4 OR SC ge 4 OR UA ge 4 OR PD ge 4 OR AD ge 4 then n4=1; else n4=0;

/* Assign each severity level with the decrements associated to them and sum up decrements*/
 decrement = m2*3.37  + m3*5.53  + m45*9.05  + s2*2.25  + s3*2.82  + s4*6.07 + s5*7.83  +
         u2*5.23  + u3*10.12 + u4*14.07  + u5*17.05 + p2*1.63  + p3*4.43 + p4*10.14 +
         p5*17.05 + a2*4.97  + a3*10.75  + a4*16.52 + a5*27.30 + n2*2.75 + n3*4.19 + n4*1.85;

/* Calculate EQ-5D-5L index by deducting the sum of decrements from the value for the '11111' health state */
Index_5L_VAS = 88.85 - decrement;
 run;

/*Drop dummy variables used in the process of calculating the EQ-5D-5L index*/
 data syntax.data_5L (drop = m2 -- decrement);
  set syntax.data_5L;
 run;
```

SPSS SYNTAX FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO AND VAS VALUE SETS

***** SPSS SYNTAX FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED TTO VALUE SET *****

```
GET DATA
  /TYPE=XLSX
  /FILE='C:\Folders_files\EQ-5D-5L\EQ-5D-5L value sets\All_health_states_5L.xlsx'
  /SHEET=name 'Sheet1'
  /CELLRANGE=FULL
  /READNAMES=ON
  /DATATYPEMIN PERCENTAGE=95.0
  /HIDDEN IGNORE=YES.
EXECUTE.
DATASET NAME DataSet1 WINDOW=FRONT.

* *** Create the variable for EQ-5D-5L index and assign the maximum value (0.9755) to it.
Compute index_5L_TTO = 0.9755.
Formats index_5L_TTO (F5.4).
Variable Labels index_5L_TTO 'EQ-5D-5L index'.
Execute.

* *** When the value of all variables = 1, then index stays at 0.9755.
If (mo = 1 and sc = 1 and ua = 1 and pd = 1 and ad = 1) index_5L_TTO = 0.9755.

* *** For any problems reported in one of the five dimensions the specified values will be deducted from 0.9755
sequentially.
If (mo = 2) index_5L_TTO = index_5L_TTO - 0.0287.
If (mo = 3) index_5L_TTO = index_5L_TTO - 0.0346.
If (mo = 4 or mo=5) index_5L_TTO = index_5L_TTO - 0.0523.

If (sc = 2) index_5L_TTO = index_5L_TTO - 0.0254.
If (sc = 3) index_5L_TTO = index_5L_TTO - 0.0817.
If (sc = 4 or sc=5) index_5L_TTO = index_5L_TTO - 0.0824.

If (ua = 2) index_5L_TTO = index_5L_TTO - 0.0549.
If (ua = 3) index_5L_TTO = index_5L_TTO - 0.1143.
If (ua = 4 or ua=5) index_5L_TTO = index_5L_TTO - 0.1639.

If (pd = 2) index_5L_TTO = index_5L_TTO - 0.0108.
If (pd = 3) index_5L_TTO = index_5L_TTO - 0.0428.
If (pd = 4) index_5L_TTO = index_5L_TTO - 0.1024.
If (pd = 5) index_5L_TTO = index_5L_TTO - 0.1974.

If (ad = 2) index_5L_TTO = index_5L_TTO - 0.0325.
If (ad = 3) index_5L_TTO = index_5L_TTO - 0.0868.
If (ad = 4) index_5L_TTO = index_5L_TTO - 0.2002.
If (ad = 5) index_5L_TTO = index_5L_TTO - 0.2339.

* *** For any dimension with problem severity level of 5.
If (mo = 5 or sc = 5 or ua = 5 or pd = 5 or ad = 5) index_5L_TTO = index_5L_TTO - 0.0023.
EXECUTE.
```

*** SPSS SYNTAX FOR CALCULATION OF EQ-5D-5L INDEX USING THE SWEDISH EXPERIENCE-BASED VAS VALUE SET ***

```
* *** Create the variable for EQ-5D-5L index and assign the maximum value (0.9755) to it.
Compute index_5L_VAS = 88.85.
Formats index_5L_VAS (F5.2).
Variable Labels index_5L_VAS 'EQ-5D-5L index'.
Execute.

* *** When the value of all variables = 1, then index stays at 0.9755.
If (mo = 1 and sc = 1 and ua = 1 and pd = 1 and ad = 1) index_5L_VAS = 88.85.

* *** For any problems reported in one of the five dimensions the specified values will be deducted from 0.9755
sequentially.
If (mo = 2) index_5L_VAS = index_5L_VAS - 3.37.
If (mo = 3) index_5L_VAS = index_5L_VAS - 5.53.
If (mo = 4 or mo=5) index_5L_VAS = index_5L_VAS - 9.05.

If (sc = 2) index_5L_VAS = index_5L_VAS - 2.25.
If (sc = 3) index_5L_VAS = index_5L_VAS - 2.82.
If (sc = 4 ) index_5L_VAS = index_5L_VAS - 6.07.
If (sc = 5 ) index_5L_VAS = index_5L_VAS - 7.83.

If (ua = 2) index_5L_VAS = index_5L_VAS - 5.23.
If (ua = 3) index_5L_VAS = index_5L_VAS - 10.12.
If (ua = 4) index_5L_VAS = index_5L_VAS - 14.07.
If (ua = 5) index_5L_VAS = index_5L_VAS - 17.05.

If (pd = 2) index_5L_VAS = index_5L_VAS - 1.63.
If (pd = 3) index_5L_VAS = index_5L_VAS - 4.43.
If (pd = 4) index_5L_VAS = index_5L_VAS - 10.14.
If (pd = 5) index_5L_VAS = index_5L_VAS - 17.05.

If (ad = 2) index_5L_VAS = index_5L_VAS - 4.97.
If (ad = 3) index_5L_VAS = index_5L_VAS - 10.75.
If (ad = 4) index_5L_VAS = index_5L_VAS - 16.52.
If (ad = 5) index_5L_VAS = index_5L_VAS - 27.30.

* *** For any dimension with problem severity level of 5.
If (mo ge 2 or sc ge 2 or ua ge 2 or pd ge 2 or ad ge 2) index_5L_VAS = index_5L_VAS - 2.75.
If (mo ge 3 or sc ge 3 or ua ge 3 or pd ge 3 or ad ge 3) index_5L_VAS = index_5L_VAS - 4.19.
If (mo ge 4 or sc ge 4 or ua ge 4 or pd ge 4 or ad ge 4) index_5L_VAS = index_5L_VAS - 1.85.
EXECUTE.
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EXAMPLES HOW TO CALCULATE TTO AND VAS VALUES FOR HEALTH STATE 34543 USING THE SWEDISH EXPERIENCE-BASED TTO AND VAS VALUE SETS

EQ-5D-5L dimension	TTO *	Health state (34543)
Intercept (health state 11111)	0.9755	**0.9755**
Mobility		
Level 2	-0.0287	
Level 3	-0.0346	**-0.0346**
Level 4 or 5	-0.0523	
Self-care		
Level 2	-0.0254	
Level 3	-0.0817	
Level 4 or 5	-0.0824	**-0.0824**
Usual activities		
Level 2	-0.0549	
Level 3	-0.1143	
Level 4 or 5	-0.1639	**-0.1639**
Pain/discomfort		
Level 2	-0.0108	
Level 3	-0.0428	
Level 4	-0.1024	**-0.1024**
Level 5	-0.1974	
Anxiety/depression		
Level 2	-0.0325	
Level 3	-0.0868	**-0.0868**
Level 4	-0.2002	
Level 5	-0.2339	
N5 (at least one dimension at severity level 5)	-0.0023	**-0.0023**
	TTO value	**0.5031**

EQ-5D-5L dimension	VAS **	Health state (34543)
Intercept (health state 11111)	88.85	**88.85**
Mobility		
Level 2	-3.37	
Level 3	-5.53	**-5.53**
Level 4 or 5	-9.05	
Self-care		
Level 2	-2.25	
Level 3	-2.82	
Level 4	-6.07	**-6.07**
Level 5	-7.83	
Usual activities		
Level 2	-5.23	
Level 3	-10.12	
Level 4	-14.07	
Level 5	-17.05	**-17.05**
Pain/discomfort		
Level 2	-1.63	
Level 3	-4.43	
Level 4	-10.14	**-10.14**
Level 5	-17.05	
Anxiety/depression		
Level 2	-4.97	
Level 3	-10.75	**-10.75**
Level 4	-16.52	
Level 5	-27.30	
N2 (at least one dimension at severity level 2, 3, 4 or 5)	-2.75	**-2.75**
N3 (at least one dimension at severity level 3, 4, or 5)	-4.19	**-4.19**
N4 (at least one dimension at severity level 4 or 5)	-1.85	**-1.85**
	VAS value	**30.52**

Source: Burström, K., Teni, F. S., Gerdtham, U, G., Leidl, R., Helgesson, G., Rolfson, O., & Henriksson, M. (2020). Experience-based Swedish TTO and VAS value sets for EQ-5D-5L health states. *PharmacoEconomics, 38*(8), 839–856

*Based on TTO Model 5 OLS, Table 3 in above publication; ** Based on VAS Model 5 OLS, Table 6 in above publication