**Supplemental Digital Content: Descriptive analysis of C-TTO and DCE data**

**SDC Table 1: The 86 observed mean, standard error and median C-TTO values by health state**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **STATE** | **Mean** | **SE** | **Median** | **STATE** | **Mean** | **SE** | **Median** | **STATE** | **Mean** | **SE** | **Median** |
| **11121** | 0.90 | 0.01 | 0.95 | **25222** | 0.62 | 0.03 | 0.70 | **51451** | 0.18 | 0.06 | 0.30 |
| **11211** | 0.90 | 0.01 | 0.95 | **32314** | 0.56 | 0.05 | 0.70 | **24443** | 0.26 | 0.05 | 0.40 |
| **12111** | 0.87 | 0.02 | 0.95 | **35311** | 0.50 | 0.06 | 0.63 | **34244** | 0.27 | 0.06 | 0.50 |
| **21111** | 0.90 | 0.01 | 0.95 | **42115** | 0.27 | 0.06 | 0.40 | **43514** | 0.30 | 0.06 | 0.50 |
| **11122** | 0.84 | 0.03 | 0.93 | **53221** | 0.49 | 0.04 | 0.50 | **45233** | 0.31 | 0.06 | 0.50 |
| **11212** | 0.83 | 0.03 | 0.90 | **12344** | 0.35 | 0.05 | 0.50 | **45413** | 0.22 | 0.06 | 0.38 |
| **11221** | 0.84 | 0.02 | 0.95 | **25331** | 0.54 | 0.04 | 0.70 | **53243** | 0.31 | 0.05 | 0.50 |
| **12112** | 0.81 | 0.03 | 0.90 | **31514** | 0.53 | 0.04 | 0.60 | **34155** | 0.22 | 0.06 | 0.30 |
| **12121** | 0.86 | 0.02 | 0.95 | **34232** | 0.53 | 0.05 | 0.60 | **34515** | 0.22 | 0.06 | 0.40 |
| **21112** | 0.82 | 0.03 | 0.90 | **51152** | 0.17 | 0.06 | 0.30 | **43542** | 0.31 | 0.05 | 0.40 |
| **11421** | 0.72 | 0.03 | 0.80 | **12543** | 0.45 | 0.04 | 0.50 | **45144** | 0.09 | 0.06 | 0.10 |
| **13122** | 0.76 | 0.03 | 0.90 | **21345** | 0.32 | 0.06 | 0.50 | **52335** | 0.24 | 0.06 | 0.35 |
| **14113** | 0.67 | 0.04 | 0.70 | **21444** | 0.34 | 0.05 | 0.50 | **53244** | 0.19 | 0.05 | 0.30 |
| **11414** | 0.56 | 0.04 | 0.65 | **22434** | 0.37 | 0.06 | 0.50 | **54153** | 0.09 | 0.05 | 0.20 |
| **13313** | 0.69 | 0.04 | 0.78 | **23514** | 0.55 | 0.03 | 0.60 | **54342** | 0.05 | 0.06 | 0.00 |
| **11235** | 0.40 | 0.06 | 0.60 | **24342** | 0.48 | 0.04 | 0.50 | **55233** | 0.16 | 0.06 | 0.40 |
| **12513** | 0.61 | 0.04 | 0.70 | **31524** | 0.43 | 0.05 | 0.50 | **14554** | 0.07 | 0.06 | 0.00 |
| **13224** | 0.51 | 0.06 | 0.70 | **52215** | 0.37 | 0.05 | 0.50 | **24445** | 0.10 | 0.06 | 0.18 |
| **21315** | 0.48 | 0.05 | 0.50 | **52431** | 0.36 | 0.05 | 0.50 | **24553** | 0.15 | 0.06 | 0.20 |
| **25122** | 0.57 | 0.05 | 0.70 | **53412** | 0.41 | 0.05 | 0.50 | **35245** | 0.08 | 0.06 | 0.20 |
| **42321** | 0.50 | 0.06 | 0.60 | **54231** | 0.32 | 0.06 | 0.50 | **55225** | 0.19 | 0.06 | 0.25 |
| **11425** | 0.37 | 0.06 | 0.50 | **31525** | 0.33 | 0.06 | 0.50 | **44345** | 0.05 | 0.05 | 0.00 |
| **12244** | 0.33 | 0.06 | 0.50 | **32443** | 0.40 | 0.04 | 0.50 | **55424** | 0.03 | 0.06 | 0.00 |
| **12334** | 0.61 | 0.04 | 0.70 | **33253** | 0.41 | 0.05 | 0.50 | **44553** | 0.03 | 0.06 | 0.00 |
| **12514** | 0.41 | 0.05 | 0.50 | **35143** | 0.38 | 0.04 | 0.50 | **52455** | -0.01 | 0.05 | 0.00 |
| **15151** | 0.37 | 0.05 | 0.50 | **35332** | 0.34 | 0.06 | 0.50 | **43555** | -0.06 | 0.06 | 0.00 |
| **21334** | 0.56 | 0.04 | 0.65 | **43315** | 0.33 | 0.05 | 0.50 | **55555** | -0.17 | 0.02 | 0.00 |
| **23152** | 0.42 | 0.06 | 0.50 | **44125** | 0.16 | 0.05 | 0.25 |  |  |  |  |
| **11121** | 0.90 | 0.01 | 0.95 | **25222** | 0.62 | 0.03 | 0.70 |  |   |   |   |

**The overall mean C-TTO value across all health states was 0.381 with a SE of 0.006.**

**SDC Figure 1: Distribution of observed C-TTO utility values across respondents**



**SDC Figure 2: Distribution of observed C-TTO utility values by severity index [severity index is defined as the sum of the levels for all dimensions in a particular state, e.g. state 25431 has a severity index of 2+5+4+3+1 = 15]**



**SDC Table 2: Selected health state choice pairs included in the DCE and proportion of choices selecting A**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Profile A** | **Profile B** | **% A** |   | **Profile A** | **Profile B** | **% A** |   | **Profile A** | **Profile B** | **% A** |
| **11112** | **12221** | 75.00% |  | **23443** | **25113** | 12.24% |  | **42255** | **55524** | 40.00% |
| **11121** | **21211** | 86.21% |  | **23451** | **34354** | 97.06% |  | **42323** | **55223** | 89.19% |
| **11122** | **23111** | 52.94% |  | **23513** | **52254** | 97.22% |  | **42421** | **54255** | 100.00% |
| **11211** | **22111** | 78.79% |  | **23531** | **53133** | 85.71% |  | **42441** | **21415** | 35.48% |
| **11212** | **22112** | 85.71% |  | **23551** | **43135** | 46.51% |  | **42452** | **23144** | 21.05% |
| **11214** | **45312** | 70.97% |  | **23552** | **32244** | 29.73% |  | **42512** | **23544** | 90.32% |
| **11221** | **22122** | 94.87% |  | **24145** | **32253** | 43.24% |  | **43141** | **25554** | 87.10% |
| **11234** | **21532** | 59.52% |  | **24155** | **32534** | 17.14% |  | **43244** | **25522** | 22.22% |
| **11352** | **31413** | 30.23% |  | **24314** | **43222** | 41.67% |  | **43245** | **34324** | 0.00% |
| **22413** | **22331** | 28.95% |  | **41312** | **24253** | 93.10% |  | **54423** | **32314** | 13.33% |
| **22433** | **12443** | 77.14% |  | **41315** | **15121** | 16.22% |  | **54424** | **15321** | 9.30% |
| **22453** | **13442** | 9.09% |  | **41325** | **13445** | 67.57% |  | **54454** | **24511** | 6.67% |
| **22512** | **55313** | 91.67% |  | **41424** | **35533** | 47.37% |  | **54455** | **55234** | 9.38% |
| **22544** | **35452** | 76.00% |  | **41431** | **24212** | 29.03% |  | **54555** | **35535** | 8.89% |
| **23122** | **12415** | 73.68% |  | **41545** | **33531** | 9.68% |  | **55153** | **22521** | 12.50% |
| **23134** | **14314** | 38.46% |  | **41552** | **22422** | 9.09% |  | **55235** | **22533** | 3.23% |
| **23231** | **25323** | 86.49% |  | **42122** | **31325** | 61.90% |  | **55244** | **53531** | 2.86% |
| **23233** | **12411** | 20.00% |  | **42153** | **53151** | 55.17% |  | **55335** | **53442** | 31.03% |
| **23235** | **11141** | 16.67% |  | **42243** | **35433** | 47.92% |  | **55534** | **33355** | 38.10% |
| **23442** | **25414** | 68.57% |   |  |  |   |   |  |  |   |