

## From Five MAUI onto 15D

### (1) From AQoL-8D to 15D (Based on OLS)

$$\begin{aligned} 15D \text{ Utility} = & 0.524369 \times \text{AQOL8D\_IL} + 0.4176541 \times \text{AQOL8D\_MH} + 0.3359649 \times \text{AQOL8D\_COP} + \\ & 0.1112741 \times \text{AQOL8D\_PAIN} + 0.1157347 \times \text{AQOL8D\_SEN} - 0.1613039 \times \text{AQOL8D\_IL}^2 - 0.2169087 \times \\ & \text{AQOL8D\_MH}^2 - 0.1237125 \times \text{AQOL8D\_COP}^2 + 0.0114098 \times \text{AQOL8D\_SW}^2 - 0.004807 \times \text{Male} + \\ & 0.0057111 \times \text{Germany} - 0.0039244 \times \text{USA} - 0.0078292 \end{aligned}$$

### (2) From EQ-5D to 15D (Based on OLS)

$$\begin{aligned} 15D \text{ Utility} = & 0.2924247 \times \text{EQ5D} + 0.1477559 \times \text{EQ5D}^2 - 0.0406053 \times \text{Norway\_EQ5D}^2 + 0.0090689 \times \text{Germany} \\ & + 0.0383915 \times \text{Norway} + 0.5439522 \end{aligned}$$

### (3) From HUI3 to 15D (Based on OLS)

$$\begin{aligned} 15D \text{ Utility} = & 0.3622935 \times \text{HUI3} + 0.0310136 \times \text{HUI3}^2 + 0.0089521 \times \text{Norway\_HUI3}^2 + 0.0101333 \times \text{Male} + \\ & 0.0049182 \times \text{Germany} + 0.5681868 \end{aligned}$$

### (4) From QWB to 15D (Based on OLS)

$$15D \text{ Utility} = 1.418548 \times \text{QWB} - 0.6429856 \times \text{QWB}^2 + 0.04665 \times \text{UK\_QWB} - 0.0370283 \times \text{UK} + 0.2225437$$

**(5) From SF-6D to 15D (Based on OLS)**

$$\begin{aligned} 15D \text{ Utility} = & 0.1951613 \times \text{SF6D\_GH} + 0.1291518 \times \text{SF6D\_PF} + 0.0759409 \times \text{SF6D\_BP} + \\ & 0.1826634 \times \text{SF6D\_VT} + 0.0721363 \times \text{SF6D\_SF} + 0.0152981 \times \text{SF6D\_RE} + 0.204989 \times \text{SF6D\_MH} - \\ & 0.0969571 \times \text{SF6D\_GH}^2 - 0.0855446 \times \text{SF6D\_VT}^2 - 0.0308663 \times \text{SF6D\_SF}^2 - 0.0995341 \times \text{SF6D\_MH}^2 + \\ & 0.0104352 \times \text{SF6D\_RP}^2 - 0.0066575 \times \text{Male} + 0.4287672 \end{aligned}$$