

Supplementary Table 1 Tobit regression analysis on the EQ-5D-3L HSU scores in different altitudes using 3L₂₀₂₂ value set

| Characteristics | Total | | | <3500m | | | 3500-4000m | | | >4000m | | |
|---|--------|-------|---------|--------|-------|---------|------------|-------|---------|--------|-------|---------|
| | Coe | SE | P-value | Coe | SE | P-value | Coe | SE | P-value | Coe | SE | P-value |
| Age years (ref.:15-44 years) | | | | | | | | | | | | |
| 45-64 years | -0.032 | 0.002 | <0.001 | -0.040 | 0.005 | <0.001 | -0.027 | 0.003 | <0.001 | -0.039 | 0.004 | <0.001 |
| ≥65 years | -0.113 | 0.004 | <0.001 | -0.111 | 0.009 | <0.001 | -0.096 | 0.005 | <0.001 | -0.136 | 0.007 | <0.001 |
| Gender (ref.: male) | | | | | | | | | | | | |
| Female | -0.011 | 0.002 | <0.001 | -0.012 | 0.005 | 0.017 | -0.006 | 0.003 | 0.071 | -0.021 | 0.004 | <0.001 |
| Educational attainment (ref.: illiterate) | | | | | | | | | | | | |
| Primary school | 0.011 | 0.002 | <0.001 | 0.002 | 0.005 | 0.687 | 0.012 | 0.003 | <0.001 | 0.007 | 0.004 | 0.115 |
| Junior high school and above | 0.014 | 0.003 | <0.001 | 0.022 | 0.007 | 0.003 | 0.010 | 0.004 | 0.025 | 0.012 | 0.007 | 0.083 |
| Employment (ref.: employed) | | | | | | | | | | | | |
| Retired | -0.008 | 0.007 | 0.301 | -0.025 | 0.015 | 0.086 | 0.011 | 0.010 | 0.282 | -0.030 | 0.020 | 0.133 |
| Unemployed | -0.060 | 0.003 | <0.001 | -0.094 | 0.008 | <0.001 | -0.049 | 0.004 | <0.001 | -0.072 | 0.005 | <0.001 |
| Marital status (ref.: single) | | | | | | | | | | | | |
| Married | 0.017 | 0.003 | <0.001 | 0.017 | 0.008 | 0.027 | 0.018 | 0.004 | <0.001 | 0.016 | 0.006 | 0.005 |
| Separated/divorced/widowed | -0.004 | 0.004 | 0.342 | 0.011 | 0.011 | 0.327 | 0.001 | 0.006 | 0.931 | -0.020 | 0.008 | 0.016 |
| Location (ref.: rural) | | | | | | | | | | | | |
| Urban | 0.020 | 0.003 | <0.001 | 0.004 | 0.010 | 0.651 | 0.029 | 0.004 | <0.001 | -0.003 | 0.005 | 0.475 |
| Diseased during the past 2 weeks (ref.: Yes) | | | | | | | | | | | | |
| No | 0.036 | 0.003 | <0.001 | 0.028 | 0.007 | <0.001 | 0.048 | 0.005 | <0.001 | 0.027 | 0.005 | <0.001 |
| Number of chronic diseases (ref.: 0) | | | | | | | | | | | | |
| 1 | -0.039 | 0.002 | <0.001 | -0.030 | 0.006 | <0.001 | -0.045 | 0.003 | <0.001 | -0.030 | 0.004 | <0.001 |
| ≥2 | -0.083 | 0.003 | <0.001 | -0.063 | 0.008 | <0.001 | -0.093 | 0.005 | <0.001 | -0.072 | 0.006 | <0.001 |
| Smoking (ref.: smoker) | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|--------|-------|--------|--------|-------|-------|--------|-------|--------|--------|-------|-------|
| Ex-smoker | -0.012 | 0.005 | 0.029 | 0.015 | 0.014 | 0.274 | 0.001 | 0.008 | 0.935 | -0.028 | 0.009 | 0.002 |
| Non-smoker | -0.003 | 0.003 | 0.314 | -0.009 | 0.007 | 0.214 | -0.002 | 0.004 | 0.669 | -0.002 | 0.006 | 0.800 |
| Weekly physical activities (ref.: never exercised) | | | | | | | | | | | | |
| 1–5 times | 0.019 | 0.003 | <0.001 | 0.009 | 0.008 | 0.241 | 0.024 | 0.004 | <0.001 | 0.003 | 0.006 | 0.664 |
| ≥6 times | 0.028 | 0.004 | <0.001 | 0.026 | 0.009 | 0.007 | 0.026 | 0.005 | <0.001 | 0.022 | 0.007 | 0.002 |

Note: Coe, coefficient; SE, standard error.