**Supplementary Table 1 Association between Demographic and Clinical Information with Sleep Quality**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Sleep Quality | Medical Social Support | Hope | Sleep Quality |
| **Model 1** |  |  |  |  |
| Intercept | 7.400\*\*\*(0.366) | 68.663 \*\*\*(1.494) | 34.545 \*\*\*(0.830) | 7.497 \*\*\* (0.351) |
| Age: ~45 | -1.098 \*(0.521) | -1.536(2.127) | 0.321 (0.424) | -1.101 \* (0.500) |
| Age:55~ | 1.174 \* (0.525) | -1.906(2.146) | -0.301 (0.428) | 0.999 \* (0.505) |
| Anxiety | 0.449 \*\*\* (0.057) | -1.269 \*\*\* (0.234) | -0.161 \*\*(0.049) | 0.342 \*\*\* (0.058) |
| Medical Social Support |  |  | 0.037 \*\* (0.011) | -0.044 \*\* (0.014) |
| Hope |  |  |  | -0.244 \*\*\* (0.067) |
| R2 | 0.196 | 0.088 | 0.093 | 0.265 |
| Adj. R2 | 0.188 | 0.080 | 0.081 | 0.253 |
| **Model 2** |  |  |  |  |
| Intercept | 7.478 \*\*\* (0.379) | 68.583 \*\*\* (1.423) | 34.835 \*\*\* (0.867) | 7.530 \*\*\* (0.363) |
| Age: ~45 | -0.915(0.540) | -2.337 (2.028) | 0.236(0.425) | -0.977 (0.519) |
| Age:55~ | 0.868(0.544) | -0.837 (2.042) | -0.188 (0.427) | 0.770 (0.521) |
| Depression | 0.368 \*\*\* (0.062) | -1.853 \*\*\* (0.231) | -0.166 \*\* (0.053) | 0.221 \*\*\*(0.066) |
| Medical Social Support |  |  | 0.032 \*\* (0.012) | -0.045 \*\*(0.015) |
| Hope |  |  |  | -0.276 \*\*\* (0.069) |
| R2 | 0.136 | 0.173 | 0.090 | 0.213 |
| Adj. R2 | 0.128 | 0.165 | 0.078 | 0.200 |

\* p < 0.05, \*\* p < 0.01, \*\*\* p < 0.001.