**Additional file 3: Variance explained by the model**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Variance |  |  |  |
|  |  | **fitted** | **predicted** | **residual** | **R2** | **mc** | **mc2** |
| Observed variables | MSPSS Family subscale | 1.015 | .437 | .578 | .431 | .656 | .431 |
| MSPSS Friends subscale  | 1.404 | .419 | .984 | .299 | .547 | .300 |
| MSPSS Significant Other subscale | 1.259 | .931 | .328 | .739 | .860 | .739 |
| EQ5D- Utility Scores  | .0567 | .0444 | .012 | .783 | .885 | .783 |
| EQ5D- VAS Scores | 326.907 | 179.890 | 147.016 | .550 | .742 | .550 |
| Age | 156.5756 | 4.636 | 151.940 | .030 | .172 | .030 |
| Marital status  | .731 | .0129 | .718 | .018 | .133 | .018 |
| Education | .346 | .146 | .201 | .420 | .648 | .420 |
| Employment | 1.511 | .383 | 1.128 | .253 | .503 | .253 |
| Level of income  | 1.085 | .392 | .693 | .361 | .601 | .361 |
| Place of residence  | .672 | .0532 | .619 | .079 | .281 | .0791 |
| Latent variables | Social support  | .437 | .102 | .335 | .239 | .484 | .234 |
| HRQoL | .0444 | .011 | .0329 | .258 | .508 | .256 |
|  |  |  |  |  |  |  |
| Overall variance explained by the model | **.688** |  |  |

***Key:*** *HRQoL- health-related quality of life; VAS- visual analogue scale: MSPSS- Multidimensional Scale of Perceived Social Support*