

$$\text{Score} = \frac{\text{actual score} - \text{the lowest possible score of the subscale}}{\text{the highest score of the subscale} - \text{the lowest score of the subscale}} \times 100\% \quad (1)$$

$$\text{PCS}_T = 50 + 0.424\text{PF} + 0.351\text{RP} + 0.318\text{BP} + 0.250\text{GH} + 0.029\text{VT} + (-0.008)\text{SF} + (-0.192)\text{RE} + (-0.221)\text{MH} \quad (2)$$

$$\text{MCS}_T = 50 + (-0.230)\text{PF} + (-0.123)\text{RP} + (-0.097)\text{BP} + (-0.016)\text{GH} + 0.235\text{VT} + 0.268\text{SF} + 0.434\text{RE} + 0.486\text{MH} \quad (3)$$

$$CR = \frac{(\sum \lambda)^2}{(\sum \lambda)^2 + \sum \theta} \quad (4)$$

$$AVE = \frac{(\sum \lambda^2)}{(\sum \lambda^2) + \sum \theta} \quad (5)$$

λ = factor loading, θ = measurement error