## Scoring Global Short Form v1.0 and v1.1

The PROMIS Global Health short form is a 10-item instrument representing multiple domains.  It can be scored into a Global Physical Health component and Global Mental Health component using the tables below.  Because a scoring table is prepared for a fixed set of items, it can only be used when an examinee responds to all of the items in the set.  *One or more missing responses will render such scoring tables unusable*.

The Global scores require re-coding of three items so that high scores reflect better functioning.

| Global07 | In the past 7 days | How would you rate your pain on average? | 5=0 No pain<br><br>4=1<br>4=2<br>4=3<br><br>3=4<br>3=5<br>3=6<br><br>2=7<br>2=8<br>2=9<br><br>1=10 Worst pain imaginable |
|---|---|---|---|
| Global08 | In the past 7 days | How would you rate your fatigue on average? | 5=None<br>4=Mild<br>3=Moderate<br>2=Severe<br>1=Very severe |
| Global10 | In the past 7 days | How often have you been bothered by emotional problems such as feeling anxious, depressed or irritable? | 5=Never<br>4=Rarely<br>3=Sometimes<br>2=Often<br>1=Always |

After recoding, the Global Physical Health score is generated by summing responses to Global03, Global06, Global07rescored, and Global08rescored.  The Global Mental Health score is generated by summing responses to Global02, Global04, Global05, and Global10rescored.

## Raw Score to T Score Conversion Tables

The following conversion tables allow a user to convert simple summed raw scores from PROMIS global into T-score values on an individual respondent or group of respondents. In all cases, these conversions only work accurately when all questions on the short form have been answered. T-Score distributions are standardized such that a 50 represents the average (mean) for the US general population, and the standard deviation around that mean is 10 points. *A high score always represents more of the concept being measured*. Thus, a person who has T-

scores of 60 for the Global Physical Health or Global Mental Health scales is one standard deviation better (more healthy) than the general population.

| Physical Short Form Conversion Table | | | | Mental Short Form Conversion Table | | |
|---|---|---|---|---|---|---|
| Raw.Score | T.Score | SE* | | Raw.Score | T.Score | SE* |
| 4 | 16.2 | 4.8 | | 4 | 21.2 | 4.6 |
| 5 | 19.9 | 4.7 | | 5 | 25.1 | 4.1 |
| 6 | 23.5 | 4.5 | | 6 | 28.4 | 3.9 |
| 7 | 26.7 | 4.3 | | 7 | 31.3 | 3.7 |
| 8 | 29.6 | 4.2 | | 8 | 33.8 | 3.7 |
| 9 | 32.4 | 4.2 | | 9 | 36.3 | 3.7 |
| 10 | 34.9 | 4.1 | | 10 | 38.8 | 3.6 |
| 11 | 37.4 | 4.1 | | 11 | 41.1 | 3.6 |
| 12 | 39.8 | 4.1 | | 12 | 43.5 | 3.6 |
| 13 | 42.3 | 4.2 | | 13 | 45.8 | 3.6 |
| 14 | 44.9 | 4.3 | | 14 | 48.3 | 3.7 |
| 15 | 47.7 | 4.4 | | 15 | 50.8 | 3.7 |
| 16 | 50.8 | 4.6 | | 16 | 53.3 | 3.7 |
| 17 | 54.1 | 4.7 | | 17 | 56.0 | 3.8 |
| 18 | 57.7 | 4.9 | | 18 | 59.0 | 3.9 |
| 19 | 61.9 | 5.2 | | 19 | 62.5 | 4.2 |
| 20 | 67.7 | 5.9 | | 20 | 67.6 | 5.3 |

*SE = Standard Error

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- **Conversion Table applies only when ALL questions on the subdomain have been answered**

Hays, R. D., Bjorner, J., Revicki, R. A., Spritzer, K. L., & Cella, D. (2009). Development of physical and mental health summary scores from the Patient Reported Outcomes Measurement Information System (PROMIS) global items. *Quality of Life Research, 18(7)*,873-80. (PMCID: PMC2724630)

## *Estimating EuroQoL (EQ-5D) Index Scores*

Revicki et al (2009) outlined how to use the PROMIS Global Health short form to calculate a EuroQoL (EQ-5D) index score. To begin, use the instructions on page 1 to re-score Global07, Global08, and Global10. Then, use the following formula:

EQ5D score = 0.19123 + (0.00672 * Global2) + (0.00527 * Global3) + (0.00830 * Global4) + (0.04550 * Global6) + (0.02713 * Global7rescored) + (0.01305 * Global8rescored) + (0.00613 * Global9) + (0.02502 * Global10rescored)

Revicki, D. A., Kawata, A., Harnam, N., Chen, W-H., Hays, R. D., & Cella, D. (2009). Predicting EUROQOL (EQ-5D) scores from the Patient Reported Outcomes Measurement Information System (PROMIS) global items and domain item banks in a United States sample. *Quality of Life Research, 18(6)*, 783-91. (PMCID: PMC2704290)