

## Scoring Instructions for the Pedi-IKDC Subjective Knee Evaluation Form

The Pedi-IKDC Subjective Knee Evaluation Form is scored by summing the scores for the individual items and then transforming the score to a scale that ranges from 0 to 100. The responses to each item are scored using an ordinal method such that a score of 0 is given to responses that represent the lowest level of function or highest level of symptoms. For example, item 1, which is related to the highest level of activity without significant knee pain is scored by assigning a score of 0 to the response "I can't do any of the activities..." and a score of 4 to the response "Very hard activities like jumping or turning fast...". For item 2, which is related to the frequency of pain over the past 4 weeks, the responses are reverse-scored such that "All of the time" assigned a score of 0 and "Never" is assigned a score of 10. Item 3 is also reverse-scored such that "Hurts so much I can't stand it" is assigned a score of 0 and "Does not hurt at all" is assigned a score of 10. **Note:** The responses to item 12 "How well did your knee work before you injured it" do not have numerical equivalents, and thus this question does not factor into the overall score.

### Scoring Process:

1. Assign the appropriate numerical scores to the individual's response for each item, such that lowest score of zero represents the lowest level of function or highest level of symptoms.
2. Calculate the raw score by summing the numerical equivalents to each item's response, with the exception of the response to item 12
3. Transform the raw score to a 0 to 100 scale as follows:

$$\text{Pedi - IKDC Score} = \left[ \frac{\text{Raw Score}}{\text{Maximum Possible Score}} \right] \times 100$$

The Maximum Possible Score is 92. Thus, if the sum of the numerical equivalents for all items is 60, the Pedi-IKDC score would be calculated as follows:

$$\text{Pedi - IKDC Score} = \left[ \frac{60}{92} \right] \times 100$$

$$\text{Pedi - IKDC Score} = 65.2$$

The calculated Pedi-IKDC Score should be interpreted as a measure of function, such that higher scores represent higher levels of function and lower levels of symptoms. A score of 100 is interpreted to mean no limitation with sporting activities or daily living and the complete absence of symptoms.

The Pedi-IKDC Subjective Knee Score can still be calculated if there is missing data, so long as there are responses to at least 90% of the items. To calculate the raw IKDC score when there is missing data, the Pedi-IKDC Subjective Knee Form Score is calculated as (sum of the completed items) / (maximum possible sum of the completed items) \* 100.