

Japanese Orthopaedic Association Hip-Disease Evaluation Questionnaire (JHEQ) Guide for Mental-Health-Care Providers

The JHEQ was created by the Subcommittee on Hip Disease Evaluation of the Clinical Outcome Committee of the Japanese Orthopaedic Association. The title, methods for completion, and scoring methods of the JHEQ described below have been prescribed by the subcommittee. The change of the JHEQ without permission is prohibited.

I. Title

The official English name of this questionnaire is the Japanese Orthopaedic Association Hip-Disease Evaluation Questionnaire (JHEQ).

II. Completing the JHEQ

1. JHEQ completion is based on patients' self-reports or those of guardians caring for patients. It is not desirable for health-care providers to assist patients in completing this questionnaire except in circumstances where
 - 1) Patients require clarification regarding the contents of the question
 - 2) Patients possess a physical disability that impairs their ability to perform the questionnaire independently
 - 3) Patients mistakenly enter incorrect data (e.g., visual analog scale [VAS], double-answering)
 - 4) A health-care provider determines that additional assistance is required
2. Health-care providers should not reveal questionnaire category names or scores to patients who complete the JHEQ.

III. JHEQ Items

1. Items in the JHEQ consist of factors relating to the patients' hip joints, hip-joint condition (using the VAS), pain, movement, and mental status.
 - 1) Concerning the first question, "In general, rate your current level of satisfaction as it pertains to your hip condition":
 - On the scoring sheet, this question is labeled "HIP-JOINT CONDITION." In assessing the patient's hip-joint condition, a 100-mm VAS is used. It is a numeric value measured and reported in millimeters (round up). This assessment is an independent factor and is not to be part of the JHEQ score.
 - 2) Concerning the second question, "How severe is your hip-joint pain?"
 - On the scoring sheet, this question is labeled "VAS," under the Pain category. A 100-mm VAS was adapted for this score, which is part of the Pain category. The

patient's right side and left side are to be assessed separately. Measuring from the left side of the VAS index, millimeters are converted to points as follows:

- Up to 20 mm = 4 points
- Between 21 mm and 40 mm = 3 points
- Between 41 mm and 60 mm = 2 points
- Between 61 mm and 80 mm = 1 point
- More than 80 mm = 0 points

- 3) In addition to the VAS for pain, questions 1 to 6 comprise the Pain category, questions 7 to 13 comprise the Movement category, and questions 14 to 20 comprise the Mental category.

2. Scoring procedures for Pain, Movement, and Mental categories

- 1) Patients' answers—strongly agree, agree, uncertain, disagree, and strongly disagree—are scored as 0, 1, 2, 3, and 4 points, respectively.
- 2) The total score in each category is defined as a score of each category. Possible scores range from 0 to 28 points. A total score of the VAS for pain and questions 1 to 20 is defined as the JHEQ score. The JHEQ score ranges from 0 to 84 points.
- 3) The scoring obeys the following criteria.
 - Criterion 1: The JHEQ score is adopted the score in the side of the hip joint with problems.
 - Criterion 2: When a patient has problems on her/his both hip joints, the JHEQ score is adopted for the side of the hip joint with the greater pain.
 - Criterion 3: When the side of the hip joint is not decided by criteria 1 and 2, the lower point in each questionnaire is adopted.
- 4) Health-care providers can use the Japanese Orthopaedic Association Hip Disease Evaluation Questionnaire (JHEQ) Index Score Sheet as a tool for scoring each category and the JHEQ.

**Japanese Orthopaedic Association Hip-Disease Evaluation Questionnaire (JHEQ)
Index Score Sheet**

HIP-JOINT CONDITION VAS mm

PAIN + **MOVEMENT** + **MENTAL** = /84

PAIN (0-28)

VAS	0	1	2	3	4	
Q 1	0	1	2	3	4	
Q 2	0	1	2	3	4	
Q 3	0	1	2	3	4	
Q 4	0	1	2	3	4	
Q 5	0	1	2	3	4	
Q 6	0	1	2	3	4	<input type="text"/> / 28

MOVEMENT (0-28)

Q 7	0	1	2	3	4	
Q 8	0	1	2	3	4	
Q 9	0	1	2	3	4	
Q 10	0	1	2	3	4	
Q 11	0	1	2	3	4	
Q 12	0	1	2	3	4	
Q 13	0	1	2	3	4	<input type="text"/> / 28

MENTAL (0-28)

Q 14	0	1	2	3	4	
Q 15	0	1	2	3	4	
Q 16	0	1	2	3	4	
Q 17	0	1	2	3	4	
Q 18	0	1	2	3	4	
Q 19	0	1	2	3	4	
Q 20	0	1	2	3	4	<input type="text"/> / 28