Stanford HAQ 20-Item Disability Scale

Please check (✓) the one best answer for your abilities over the past week.

At this moment, are you able to:            Without ANY difficulty  With SOME difficulty  With MUCH difficulty  UNABLE to do

DRESSING & GROOMING
1. Dress yourself, including shoelaces and buttons? ........................................... ❑        ❑        ❑        ❑          ❑
2. Shampoo your hair? ............................................................... ❑        ❑        ❑        ❑          ❑

ARISING
3. Stand up from an armless straight chair? ........................................... ❑        ❑        ❑        ❑          ❑
4. Get in and out of bed? ............................................................... ❑        ❑        ❑        ❑          ❑

EATING
5. Cut your meat? ............................................................... ❑        ❑        ❑        ❑          ❑
6. Lift a full cup or glass to your mouth? ........................................... ❑        ❑        ❑        ❑          ❑
7. Open a new milk carton? ............................................................... ❑        ❑        ❑        ❑          ❑

WALKING
8. Walk outdoors on flat ground? ........................................... ❑        ❑        ❑        ❑          ❑
9. Climb up five steps? ............................................................... ❑        ❑        ❑        ❑          ❑

Please check any AIDS OR DEVICES that you usually use for any of the above activities:

❑ Devices used for dressing (button hook, zipper pull, etc.)
❑ Built up or special utensils
❑ Special or built up chair
❑ Cane
❑ Wheelchair
❑ Crutches
❑ Walker

Please check any categories for which you usually need HELP FROM ANOTHER PERSON:

❑ Dressing and grooming
❑ Arising
❑ Eating
❑ Walking
Please check (√) the **one** best answer for your abilities over the past week.

**At this moment**, are you able to:

<table>
<thead>
<tr>
<th></th>
<th>Without ANY difficulty</th>
<th>With SOME difficulty</th>
<th>With MUCH difficulty</th>
<th>UNABLE to do</th>
</tr>
</thead>
</table>

**HYGIENE**

10. Wash and dry your body? .......................................☐
11. Take a tub bath ...................................................☐
12. Get on and off the toilet? .......................................☐

**REACH**

13. Reach and get down a 5-pound object (such as a bag of sugar) from just above your head? ..........☐
14. Bend down to pick up clothing from the floor? .........☐

**GRIP**

15. Open car doors? ....................................................☐
16. Open previously opened jars? ..................................☐
17. Turn faucets on and off? ...........................................☐

**ACTIVITIES**

18. Run errands and shop? .............................................☐
19. Get in and out of a car? ..........................................☐
20. Do chores such as vacuuming or yard work? .............☐

Please check any AIDS OR DEVICES that you usually use for any of the above activities:

- ☐ Raised toilet seat
- ☐ Bathtub seat
- ☐ Bathtub bar
- ☐ Long-handled appliances for reach
- ☐ Long-handled appliances in the bathroom
- ☐ Jar opener (for jars previously opened)

Please check any categories for which you usually need HELP FROM ANOTHER PERSON:

- ☐ Hygiene
- ☐ Gripping and opening things
- ☐ Reach
- ☐ Errands and chores
Scoring
Score the number circled for each item. If more than one consecutive number is circled for one item, code the higher number (more difficulty). If responses are not consecutive, code as blank.

There are eight categories; first score within each category:
- Dressing and Grooming, includes items 1 and 2
- Arising, includes items 3 and 4
- Eating, includes items 5, 6 and 7
- Walking, includes items 8 and 9
- Hygiene, includes items 10, 11, and 12
- Reach, includes items 13 and 14
- Grip, includes items 15, 16 and 17
- Activities, includes items 18, 19, and 20

Each of the items has a companion aids-devices variable that is used to record what type(s) of assistance, if any, the subject uses for his/her usual activities. These variables are coded as follows:

- 0 = No assistance is needed
- 1 = A special device is used by the subject in his/her usual activities
- 2 = The subject usually needs help from another person
- 3 = The subject usually needs BOTH a special device AND help from another person

Assignment of devices to particular disability categories assumes that the devices are used only for the purpose for which they are designed. For example, if an individual indicates that he/she uses a cane, it is presumed that they use the cane as an aid in walking. However, it is possible for that patient to use that cane as an aid in performing other activities. For example, the patient may check off the cane listed at the bottom of the page 1 (or write "cane" under the "other" slot) and then write a note in the margin stating that the cane is also used on a regular basis as an aid in helping them rise out of a chair and to rise off of the toilet. In such a case, the variables should be coded as "1" to reflect the patient's use of a cane in these three areas of daily functioning. Devices written in the "Other" sections or notes written next to any component questions are considered if they would be used for any of the stated categories. Permanent adaptations of the person's environment (e.g., changing faucets in the bathroom or kitchen, using Velcro closures on clothing) should also be counted as aids and devices.

The score for each category is the single response within the category with the highest score (greatest difficulty). For example, in the "Eating" category, there are two answers (one for each item). If "Cut your food with a knife or fork" is marked as "3" and "Lift a full cup or glass to your mouth" is marked as "0", then the score for the "Eating" category would be "3" (the response indicating the greatest difficulty within the category). If a component question is left blank or the response is too ambiguous to assign a score, then the score that that category is determined by the remaining completed question(s). However, if any "aids or devices" and/or "help from another person" items at the bottom of each page are checked, the category to which they apply is adjusted upward to "2". If the basic score is already "2" or "3", the score remains unchanged. "Aids or devices" and "help from another person" can only change a category's score to "2"; they do not change the score to a "1" or a "3".

The score for the disability index is the mean of the eight category scores. If more than two of the categories, or 25%, are missing, do not score the scale. If fewer than 2 of the categories is missing, divide the sum of the categories by the number of answered categories. Alternately, you can score the index without using the aids and devices questions (leaving the aids and devices off the questionnaire). The higher score indicates greater disability.
Characteristics
Tested on 1,079 subjects with arthritis.

<table>
<thead>
<tr>
<th>No. of items</th>
<th>Observed Range</th>
<th>Mean</th>
<th>Standard Deviation</th>
<th>Internal Consistency Reliability</th>
<th>Test-Retest Reliability</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>0-3</td>
<td>1.06</td>
<td>0.753</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source of Psychometric Data

Comments
This is the Stanford Health Assessment Questionnaire disability scale. It should be noted that the items have been chosen as they represent use of every major joint in the body. While closely related to an ADL scale this is not an ADL scale but rather a disability scale. The Disability Index is sensitive to change and is a good predictor of future disability and costs. Test-retest correlations have ranged from 0.87 to 0.99. Correlations between interview and questionnaire format have ranged from 0.85 to 0.95. Validity has been demonstrated in literally hundreds of studies. There is consensus that the HAQ Disability Index possesses face and content validity. Correlations between questionnaire or interview scores and task performance have ranged from 0.71 to 0.95 demonstrating criterion validity. The construct/convergent validity, predictive validity and sensitivity to change have also been established in numerous observational studies and clinical trials. The HAQ Disability Index has also demonstrated a high level of convergent validity based on the pattern of correlations with other clinical and laboratory measures.

We use the 8-item scale in our studies now, as it is less burdensome for our participants. Reprinted with permission. This scale available in Spanish.

References

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