Step 1: Scoring Responses to Completed Items

The score for an item is the IRT weight assigned to the selected response option. Item response-option weights for each of the eight RAND-36 HSI scales are provided by scale in Tables A.1-A.8. For example, the response-option weights for all of the items of the Physical Functioning Scale are provided in Table A.1.

- For each item, listed by number in the left column,
 - find the response option in column 2,
 - find the corresponding IRT weight for the response option in column 3,
 - record the IRT weight for that response on the Hand-Scoring Worksheet.
- If there is no response for *one* item on the scale, label that item "missing" on the Hand-Scoring Worksheet and continue.
- If there are *two or more* missing responses on a scale, a raw score cannot be calculated for that scale. Discontinue scoring the responses for that scale and proceed to the next scale.

Step 2: Determining the Score of a Missing Response

- Estimate the IRT weight of a missing response:
 - *Add the IRT weights of the responses to the completed items on the scale.
 - Divide the sum of the IRT weights by the number of completed items on that scale.
- Compare that result to the range of IRT weights for the item with the missing response (found in the far right column in Tables A.1–A.8):
 - If the result is within the range for the item, use the computed average weight.
 - If the result is below the range, use the low-end weight of the range.
 - If the result is above the range, use the high-end weight of the range.
- Add the estimated IRT weight for the missing response to the sum of IRT weights for the completed items.

Table A.I. Item Response-Option Weights: Physical Functioning Scale (PF)

ltem	Response Option	IRT Weight	IRT-Weight Range
3	I	50	50–100
	2	76	
	3	100	
4	1	21	21–56
	2	38	
	3	56	
5	AND CONTRACTOR OF THE PROPERTY	17	17–50
	2	33	
	3	50	
6	1	- 28	28-72
	.2	50	
	- 3	72	
7		13	13-44
	2	28	
	3	44	
8	1	22	2267
	2	44	
	3	67	
9		31	31–65
	2	47	
	3	65	
10	1	19	1 9- 51
	2	36	
	:3	-51	
20000000		8	8–35
	2	21	
	3	35	
1.2	1	0	0-24
	2	13	
	3	24	

Table A.2. Item Response-Option Weights: Role Limitations due to Physical Health Problems Scale (RLP)

ltem	Response Option	IRT Weight	IRT-Weight Range
13	1	0	0-44
	2	44	
14	1 2	56 100	56100
15	I	30	30–74
	2	74	
16	1	26	2670
	2	70	

Table A.3. Item Response-Option Weights: Pain Scale (PA)

ltem	Response Option	IRT Weight	IRT-Weight Range
21	1	001	100-6
	2	78	
	3	51	
	4	34	
	5	15	
of Theorem 1	6	. 6	
22	1	-61	61-0
	2	49	
	*3	. 32	
	. 4	14	
	5	0	

Table A.4. Item Response-Option Weights: General Health Perceptions Scale (GHP)

ltem	Response Option	IRT Weight	IRT-Weight Range
1	1	100	100-0
	2	79	
	3	46	
	4	18	
h-90hidisülak-taannava-	5	.0	
33	1	10	10-66
	2	20	
	3	36	
	4	52	
	- 5	-66	
34	I	89	89–21
	2	67	
	3	46	
	4	33	
S- (SS-) Side (Autoritation and Autoritation and Autorita	5	21	
35	-1	210	10-84
	2	.25	
	3	49	
	4	70	
	5	84	
36	1 .	95	95–26
	2	69	
,	3	48	
	4	36	
	5	26	

Table A.5. Item Response-Option Weights: Emotional Well-Being Scale (EWB)

item	Response Option	IRT Weight	IRT-Weight Range
24	l	8	8–60
	2	15	
	3	23	
	4	31	
	5	46	
	6	60	a company agreement representative and state of the state
25	il.	15	5 -4 6
	2	13	
	3	21	
	. 14	.27	
	- 5	36	
	*6	*46	
26	1	100	100–5
	2	73	
	3	45	
	4	32	
	5	17	
v mottopht/life	6	5	
28	21	-4	4-64
	- 2	13	And a second of
	3	.22	
	-4	31	
		-47	
	-6	64	01.0
-30	1	91	91–0
	2	64	
	3	37	
	4	26	
	5	12	
	6	0	

Table A.6. Item Response-Option Weights: Role Limitations due to Emotional Problems Scale (RLE)

ltem	Response Option	IRT Weight	IRT-Weight Range
17	1	0 41	0 -4 1
18	2 	7 1 59	59–100
	2	100	
19	1 2	13 54	13–54

Table A.7. Item Response-Option Weights: Social Functioning Scale (SF)

ltem	Response Option	IRT Weight	IRT-Weight Range
20	1	88	880
	2	70	
	3	44	
	4	18	,
	5	0	
32	1	27	27-100
	2	38	
	3	53	
	4	79	live en la company
		100	

Table A.8. Item Response-Option Weights: Energy/Fatigue Scale (EF)

ltem	Response Option	IRT Weight	IRT-Weight Range
23	I	100	100-4
	2	76	
	3	47	
	4	31	
	5	16	
Schoolbook vandolika	6	4	
27	- 4	90	90-1
	2	70	
	3	45	
	4	30	
	.5	13	
	6	1	
29	ı	0	0–73
	2	. 10	
	3	22	
	4	35	,
	5	56	
	6	73	
31	1	0	091
	2	13	
	3	25	
	- 4	40	
	5	71	
	-6	91	