

Reviewer ID: Nicole Elfring, Kyle Diab, John Zhu			
Type of Outcome Measure: Assessment of Life Habits (LIFE-H)			Total articles: 3
Author ID Year	Study Design	Setting	Population (sample size, age) and Group
Dumont et al. 2003	Rasch Modelling	Spinal cord injury population	N=482 (81.1% males & 18.9% females) Mean age=42.4±12 years  Complete tetraplegia=24.3% Incomplete tetraplegia=19.5% Complete paraplegia=38% Incomplete paraplegia=18.3% Mean age at injury=29.2±11.8 years
Fougeyrollas et al. 1998	Content validity and test-retest reliability	General community	Children N=24 (16 females & 8 males) Mean age=10.9±4.7 years Duration of injury=10.9±4.7 years Type of lesion= Myelodysplasia (thoracic 17 & lumbar 7)  Adults N=25 (3 females & 22 males) Mean age=42.5±13.1 years Duration of injury=12.2±8.3 years Type of lesion=traumatic (cervical 10 & thoraco-lumbar 15)
Noreau et al. 2000	Not specified	Not specified	N=482 Mean age=42±12 years  Mean time since injury=15±7 years
1. RELIABILITY			
Author ID	Internal Consistency	Test-retest, Inter-rater, Intra-rater	
Fougeyrollas et al. 1998	No data available	ICC was calculated for the short form, long form, and within each of the 13 life habit categories of the long form. (Forms completed twice over a 2 week interval)  Test-retest reliability: <b>Total long form</b> Adults: ICC=0.74 Children: ICC=0.73  <b>Short form</b> Adults: ICC=0.83 Children: ICC=0.67  <b>Individual life habit categories for children</b> Personal care had the highest (ICC=0.76) Interpersonal relations had the lowest (ICC=0.31)  <b>Individual life habit categories for adults</b> Personal care had the highest (ICC=0.91) Nutrition had the lowest (ICC=0.13)  For both groups employment was not evaluated acknowledging the limited number of individuals to which	

		it applies (n=16)  All other life habit categories showed moderate to high reliability levels for both groups.
Dumont et al. 2003	Rasch Analysis: Item reliability = 0.99 Item separation = 9.37 (for real or worst case reliability) Person reliability = 0.91 Person separation=3.27 (real or worst case reliability, without extreme subjects)  Average mean square infit=1.04 Average mean square outfit=1.11	Pearson's correlation=0.89 was found between the scores of experts and the measure of item difficulty obtained by Rasch analysis.

**2. VALIDITY**

Author ID	Validity
Fougeyrollas et al. 1998	Twelve rehabilitation experts were chosen given their expertise as researchers, service providers, or consumer representatives. Generally the experts agreed the LIFE-H items covered large parts of a persons life habits and it could be used to measure the appearance of handicap situations.
Noreau et al. 2000	Items in LIFE-H were grouped into 4 categories to match with 4 CHART dimensions referring to similar construct.  Physical independence=0.76 Occupation=0.36 Mobility=0.33 Social integration=0.14  <b>Factor Analysis:</b> Most dimensions of CHART (3/4) and LIFE-H (4/4) were strongly correlated to a specific factor (0.62-0.89), while the CHART social integration was associated to a second factor (0.88). Binary correspondence analysis showed that in most dimensions (except social integration) the magnitude of scores (low, moderate, and high) had a good correspondence of the two instruments.
Dumont et al. 2003	Pearson's correlation=0.89 was found between the scores of experts and the measure of item difficulty obtained by Rasch analysis.

**3. RESPONSIVENESS – no data available****4. FLOOR/CEILING EFFECT – no data available****5. INTERPRETABILITY**

Author ID	Interpretability																																								
Fougeyrollas et al. 1998	Total scores (SD) for each life habit category for adults and children following completion of 2 tests over 2 weeks:  <table border="1"> <thead> <tr> <th>Life habit categories:</th> <th>Children Test 1 scores:</th> <th>Children Test 2 scores:</th> <th>Adult Test 1 scores:</th> <th>Adult Test 2 scores:</th> </tr> </thead> <tbody> <tr> <td>Nutrition</td> <td>4.3 (2.3)</td> <td>3.9 (2.5)</td> <td>2.2 (2.5)</td> <td>2.0 (2.1)</td> </tr> <tr> <td>Fitness</td> <td>3.4 (2.6)</td> <td>3.7 (2.6)</td> <td>1.9 (2.2)</td> <td>1.6 (1.5)</td> </tr> <tr> <td>Personal care</td> <td>4.2 (2.5)</td> <td>3.8 (2.6)</td> <td>2.2 (2.5)</td> <td>1.9 (1.9)</td> </tr> <tr> <td>Communication</td> <td>2.0 (2.2)</td> <td>1.6 (1.7)</td> <td>1.1 (1.8)</td> <td>0.7 (0.9)</td> </tr> <tr> <td>Residence</td> <td>5.2 (3.2)</td> <td>4.5 (3.1)</td> <td>3.5 (2.9)</td> <td>3.1 (2.4)</td> </tr> <tr> <td>Mobility</td> <td>4.6 (2.6)</td> <td>4.2 (2.5)</td> <td>2.6 (2.2)</td> <td>2.3 (1.8)</td> </tr> <tr> <td>Responsibilities</td> <td>3.3 (3.2)</td> <td>3.3 (3.1)</td> <td>0.7 (1.2)</td> <td>0.4 (0.8)</td> </tr> </tbody> </table>	Life habit categories:	Children Test 1 scores:	Children Test 2 scores:	Adult Test 1 scores:	Adult Test 2 scores:	Nutrition	4.3 (2.3)	3.9 (2.5)	2.2 (2.5)	2.0 (2.1)	Fitness	3.4 (2.6)	3.7 (2.6)	1.9 (2.2)	1.6 (1.5)	Personal care	4.2 (2.5)	3.8 (2.6)	2.2 (2.5)	1.9 (1.9)	Communication	2.0 (2.2)	1.6 (1.7)	1.1 (1.8)	0.7 (0.9)	Residence	5.2 (3.2)	4.5 (3.1)	3.5 (2.9)	3.1 (2.4)	Mobility	4.6 (2.6)	4.2 (2.5)	2.6 (2.2)	2.3 (1.8)	Responsibilities	3.3 (3.2)	3.3 (3.1)	0.7 (1.2)	0.4 (0.8)
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Family relations	3.3 (2.9)	3.1 (2.8)	1.5 (2.5)	1.1 (1.6)
Interpersonal relations	3.5 (3.6)	2.8 (3.4)	1.9 (2.6)	0.7 (1.2)
Community	5.6 (3.1)	4.1 (3.0)	2.2 (2.7)	1.8 (2.2)
Education	3.9 (2.5)	3.0 (2.8)	2.0 (2.6)	2.5 (3.9)
Employment	-	-	-	-
Recreation	5.3 (2.5)	4.9 (2.5)	2.8 (2.5)	2.4 (2.2)
<i>Total score:</i>				
Long form	4.4 (2.3)	3.9 (2.3)	2.2 (2.0)	1.9 (1.5)
Short form	4.2 (2.2)	4.1 (2.2)	2.3 (2.1)	2.3 (2.1)

Employment not measured because of a limited number of individuals who were employed.