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Measuring social participation in SCI: the USER-Participation

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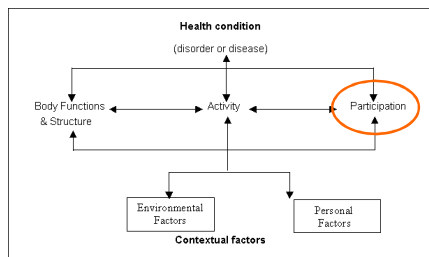
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Programme

- Introduction
 - Participation
 - USER-Participation
- Methods
- Results
- Conclusion

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Introduction - Participation



Participation is 'the involvement in life situations'

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Introduction - Participation

1. Learning and applying knowledge
 2. General tasks and demands
 3. Communication
 4. Mobility
 5. Self-care
-
6. Domestic life
 7. Interpersonal interactions and relationships
 8. Major life areas
 9. Community, social and civic life

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Introduction - Participation

- Objective participation
'outsider' perspective, observable behaviour
- Subjective participation
'insider' perspective, subjective appraisal of the person involved

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Introduction - USER-Participation

- 32 items
- 3 scales: Frequency, Restrictions, Satisfaction
- Objective and subjective participation
- Chapter 6-9 of ICF

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	Frequency	Restrictions	Satisfaction
Paid work	A1	R1	S1
Unpaid work	A2		
Education	A3	R2	S2
Household duties	A4		
Outdoor mobility		R3	S3
Sports/physical exercise	B1	R4	S4
Going out	B2	R5	S5
Daytrips/ outdoor activities	B3	R6	S6
Leisure indoors	B4	R7	S7
Relationship with partner		R8	S8
Visiting family/ friends	B5	R9	S9,S10
Being visited by family/ friends	B6	R10	
Telephone/ computer contacts	B7	R11	

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Introduction – USER-Participation (F)

Paid work <i>All forms of paid work, including work for your own business</i>	None at all	1-8 hours	9-16 hours	17-24 hours	25-35 hours	36 hours or more
Unpaid work <i>Volunteering for a society/ community centre, at school or any other voluntary activities</i>	None at all	1-8 hours	9-16 hours	17-24 hours	25-35 hours	36 hours or more
Education <i>Only training courses taken in the context of your paid work or to help you obtain paid work</i>	None at all	1-8 hours	9-16 hours	17-24 hours	25-35 hours	36 hours or more
Household duties <i>Such as: cooking, cleaning, shopping, caring for or supervising children, DIY, gardening etc.</i>	None at all	1-8 hours	9-16 hours	17-24 hours	25-35 hours	36 hours or more

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Introduction – USER-Participation (F)

Sports or other physical exercise <i>Such as: tennis, cycling, gym, long walks</i> <small>Please note: do not include e.g. cycling to work</small>	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more
Going out <i>Such as: eating out, visiting a cafe, cinema, concert, alone or with others</i>	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more
Day trips and other outdoor activities <i>Such as: shopping, attending events, going to the beach, church or mosque</i>	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more
Leisure activities at home <i>Such as: crafts, needlework, reading, puzzles, playing computer games</i>	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more
Visiting family or friends	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more
Being visited by family or friends	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more
Contacting others by phone or computer <i>Such as: talking on the phone, texting, e-mailing</i>	Never	1-2 times	3-5 times	6-10 times	11-18 times	19 times or more

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Introduction – USER-Participation (R)

Paid work, unpaid work or education	NA	Not possible	With assistance	With difficulty	Without difficulty
Household duties <i>Such as: cooking, cleaning, shopping, taking care of or supervising children, DIY, gardening</i>	NA	Not possible	With assistance	With difficulty	Without difficulty
Outdoor mobility <i>Such as: driving a car, travelling by bus or train, cycling to work or going shopping, etc.</i>	NA	Not possible	With assistance	With difficulty	Without difficulty
Sports or other physical exercise <i>Such as: tennis, cycling, gym, long walks</i>	NA	Not possible	With assistance	With difficulty	Without difficulty

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Introduction – USER-Participation (S)

Going out <i>Such as: eating out, visiting a cafe, the cinema, a concert, alone or with others</i>	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Day trips and other outdoor activities <i>Such as: shopping, attending events, going to the beach, church or mosque</i>	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Leisure activities at home <i>Such as: crafts, reading, computer</i>	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Your relationship with your partner	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	NA
Your relationship with your family	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Your contacts with friends and acquaintances	Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	

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- ### Methods
- Sample
 - People with SCI
 - >17 years
 - Community living
 - Mastering Dutch language
 - Instruments
 - USER-Participation
 - WHODAS II
 - IMPACT Screener

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Methods

- Statistical analyses
 - Score distributions
 - Skewness
 - Ceiling/ floor effects
 - Internal consistency
 - Cronbach's alpha
 - Item-rest correlations
 - Concurrent validity
 - Spearman correlations
 - Discriminant validity
 - Mann-Whitney U-test

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Results Participants' characteristics (n=157)

% Men	66
Mean age (SD)	51 (11)
% Lower education	50
% Paid job	41
Time since injury, years (SD)	25 (27)
Age at injury, years (SD)	25 (28)
% Paraplegia	59
% Motor complete SCI	69
% Traumatic SCI	85

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Results Score distributions and internal consistency

	mean (SD)	skew	Floor (%)	Ceiling (%)	Alpha
Frequency	34.8 (10.0)	-0.5	-	-	0.51
Restrictions	72.6 (19.3)	-0.6	-	5.7	0.89
Satisfaction	69.9 (14.3)	-0.4	-	1.9	0.78

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Results Concurrent validity

	Freq	Restr	Satisf
IMPACT-S			
Total	0.32 **	0.73 **	0.38 **
Activities	0.30 **	0.67 **	0.28 **
Participation	0.34 **	0.74 **	0.47 **
WHODAS II			
Total disability index	-0.37 **	-0.76 **	-0.52 **
Understanding and comm	-0.30 **	-0.36 **	-0.33 **
Getting around	-0.08	-0.36 **	-0.15
Self-care	-0.31 **	-0.68 **	-0.34 **
Getting along with others	-0.24 **	-0.45 **	-0.45 **
Life activities	-0.25 **	-0.67 **	-0.40 **
Participation	-0.27 **	-0.55 **	-0.50 **

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Results Discriminant validity

	paraplegia	tetraplegia	MannWhitney U (Z)	p
Frequency	36.1	32.8	-2.29	0.022
Restrictions	76.7	66.7	-3.17	0.002
Satisfaction	71.8	67.2	-1.99	0.047

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Conclusion

- USER-Participation measures participation in a concise way; both objectively and subjectively
- USER-Participation showed sufficient psychometric properties
- Restrictions and Satisfaction scale showed better psychometric properties than Frequency scale

 **Vragen** 

