

Assessing participation: a systematic review of measurement properties

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Systematic review

Primary goal: psychometric properties of participation measures for children with ABI and CP

Step 1: define participation

Participation

= involvement in a life situation

- d1 Learning and applying knowledge
- d2 General tasks and demands
- d3 Communication
- d4 Mobility
- d5 Self-care
- d6 Domestic life
- d7 Interpersonal interactions and relationships
- d8 Major life areas
- d9 Community, social and civic life



Participation

“personal maintenance, mobility, information exchange, social relationships, home life, education, work and employment, economic life, and community, social, and civic life.”

“social participation, participation in leisure time, community, school, domestic life, interpersonal interactions and relationships, major life areas, community, social and civic life”

“the dimensions of extent of involvement, difficulty and satisfaction/ enjoyment should be considered”

“encompassing the domains of self care, mobility, and domestic life”

“the establishment or maintenance of a friendship, a family relationship, or a work relationship and the engagement in work, leisure, and spiritual activities, education, employment, community, and civic life.”

“users operationalize these domains in ways that meet their specific purpose. This includes the exclusive inclusion of the last three [ICF] domains (numbered 7–9) as representing participation”

Participation

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Systematic review

Primary goal: psychometric properties of participation measures for children with ABI and CP

Step 1: define participation

Step 2: search & study selection

Study selection

12 measures

→ Dedicated to participation (explicit)

→ Psychometric study

- Reliability
- Validity
- Responsiveness

→ Children with ABI and CP

Participation measures

Participation measure	Abbreviation
Assessment of Preschool Children's Participation	APCP
Children's Assessment of Participation and Ejoyment	CAPE
Child and Adolescent Scale of Participation	CASP
Child Engagement in Daily Life	
Child Occupational Self-Assessment	COSA
Children Participation Questionnaire	CPQ
Lifestyle Assessment Questionnaire	LAQ-CP
Assessment of Life Habits	LIFE-H
Young Children's Participation and Environment Measure	PEM-CY
Questionnaire of Young People's Participation	QYPP
School Function Assessment	SFA
Sydney Psychosocial Reintegration Scale for Children	SPRS-C

Differences

Domains

- Friends
- Siblings
- School
- Leisure
- Play

Aspects

- Amount/frequency
- Capacity
- Satisfaction

Respondent

- Child / adolescent
- Parent
- Other caregiver
- Teacher

Method

- Likert scales
- Counts
- Statements

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Participation measures - psychometrics

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CASP

Domains

School, at home, in community

Aspects

Extent (restrictions), compared with same-aged peers

- Dutch version
- Psychometrically evaluated in children with ABI/CP

Respondent

Caregiver and adolescent version

Method

Statements, compared with same-aged peers

CASP

Excellent (.95) internal consistency

Excellent (.90) test-retest reliability

Moderate (.45-.56) concurrent validity with PedsQL/PSOM

Inter-rater reliability?

Responsiveness?

Norms?

Correlations with CAPE: .05-.08

→ Restrictions (CASP) vs. range, diversity, frequency (CAPE)?

Take home:

Participation \neq participation

Large differences between measures and therefore the meaning of the outcome

For children with ABI/CP in NL

→ **CASP scores currently only participation measure psychometrically tested**

Stay tuned for final results

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