

Participation for all in a life-course perspective: Partnering to solve the participation puzzle





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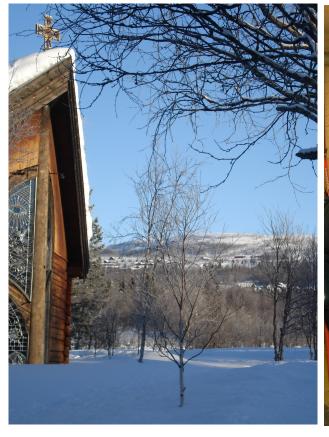
Marjolijn Ketelaar, PhD Associate Professor Pediatric Rehabilitation

Focus on

- Brain Based Developmetal Disabilities
- Family
 - role in development of child
 - family engagement in research













Developmental Neurorehabilitation, October 2012; 15(5): 369-385

informa healthcare

An international comparison of patterns of participation in leisure activities for children with and without disabilities in Sweden, Norway and the Netherlands

A. ULLENHAG¹, M.K. BULT²,³, A. NYQUIST⁴, M. KETELAAR²,³, R. JAHNSEN⁵, L. KRUMLINDE-SUNDHOLM¹, L. ALMQVIST⁶, & M. GRANLUND²

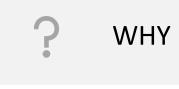
Beitostølen Healthsports Center

[trip down memory lane, 2010]

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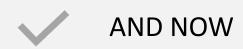


Participation for all in a life-course perspective: Partnering to solve the participation puzzle











Participation for all in a life-course perspective





WHAT



HOW

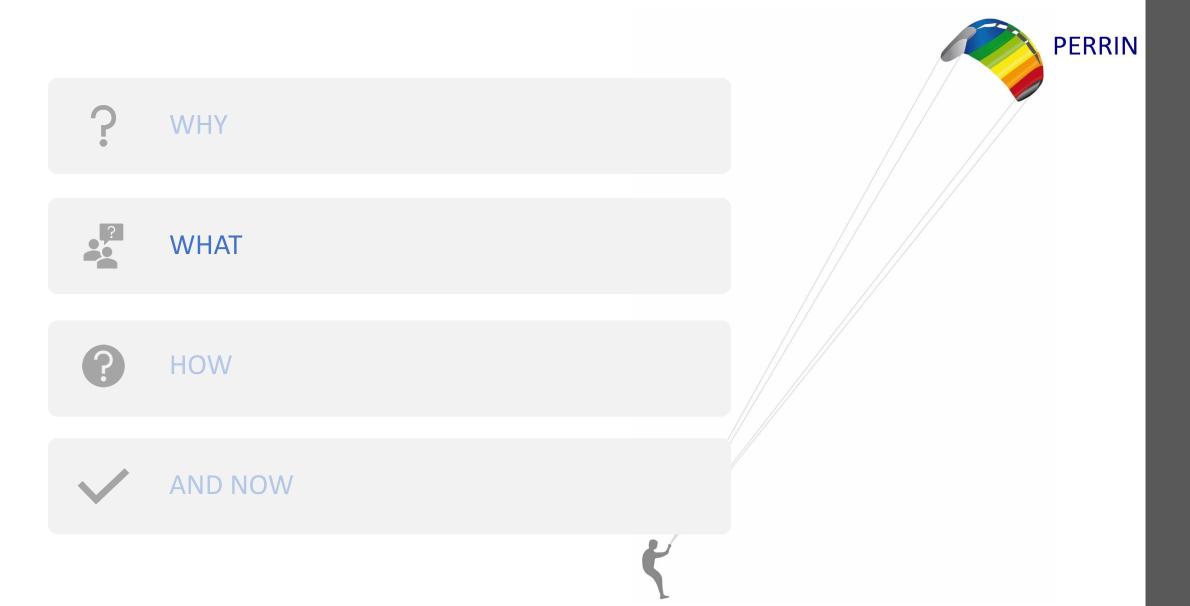




AND NOW



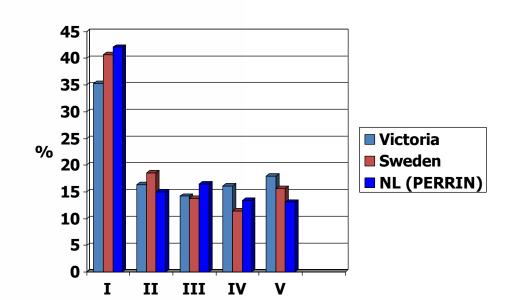
Participation for all in a life-course perspective



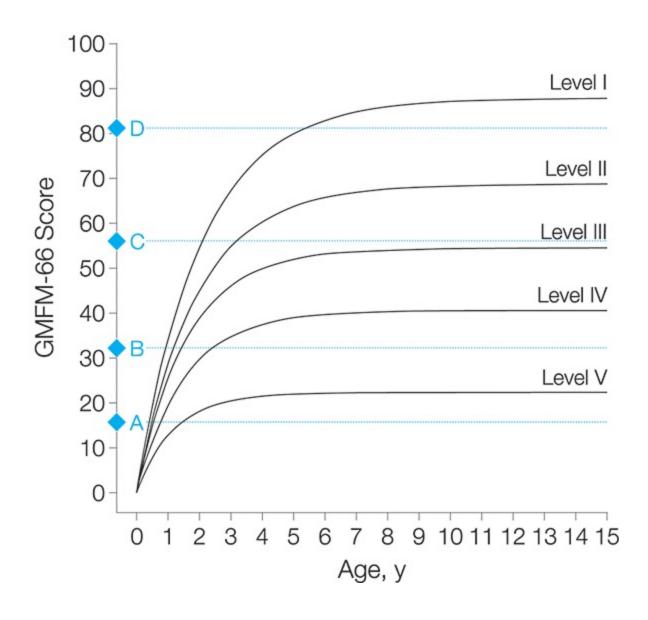


PERRIN study

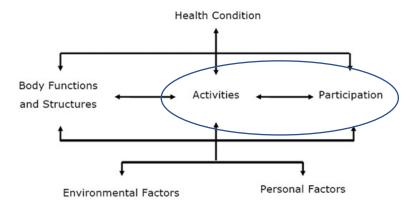
- Development of Activities and Participation of children, teenagers and young adults with Cerebral Palsy
- 4 age-cohorts with repeated measurements
 - Up to 13-year follow-up
- 421 participants
 - Age range of observations: 0-34 years
 - GMFCS I-V
 - 27% with intellectual disability



GMFCS











- > 150 publications> 130 presentations & workshops
- 10 PhD-theses

















Some examples of findings















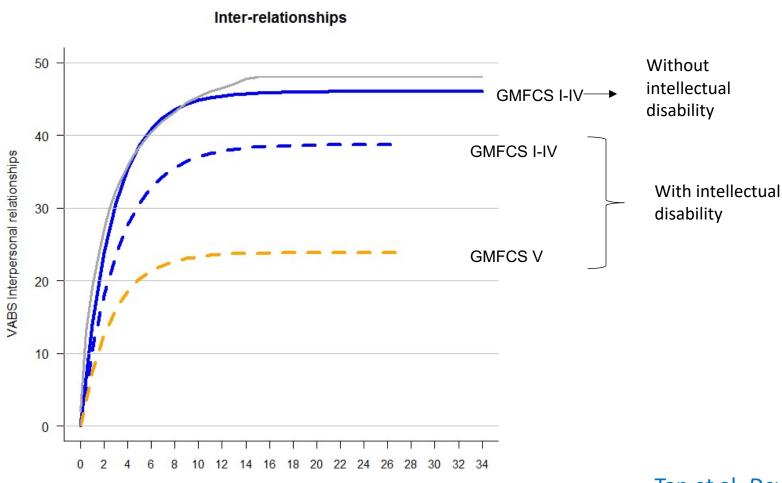
Domestic life

Domestic daily living skills 40 **GMFCS I GMFCS II** GMFCS III 30 No intellectual disability 20 **GMFCS IV** GMFCS I-III 10 With intellectual disability GMFCS IV and V 0 19 22 28 31 34 10 13 16 25

Age

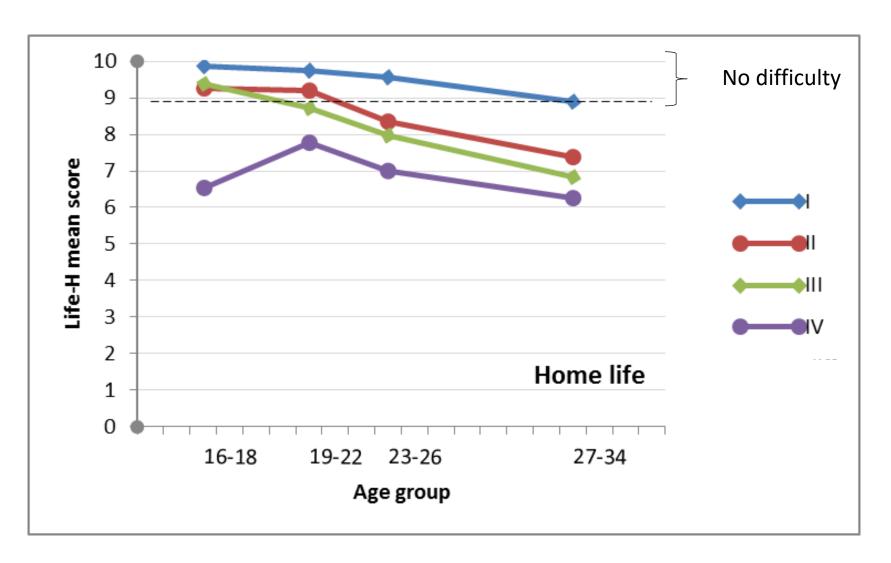
Interpersonal relationships





Age

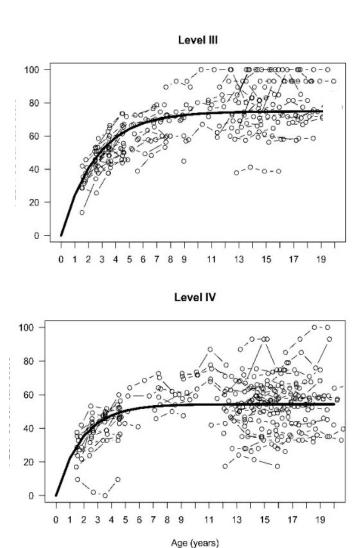
Domestic life: difficulty



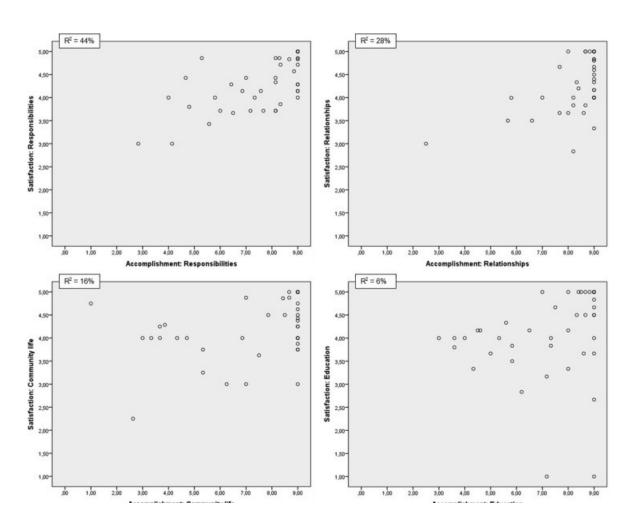


Individuals without intellectual disability

Individual variation (!)

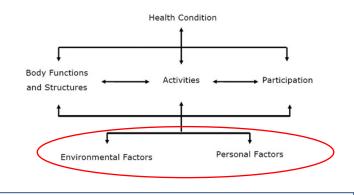


(Very) Low correlation Accomplishment and Satisfaction



... and subject to intraindividual changes ...

Domestic daily living skills 30 VABS DLS domestic 22 25 28 31 34 **GMFCS** Intellectual disability





Participation in domestic life in adulthood is predicted by

Personal factors **Inflexibility**

Protective parenting style

as a teenager

Purpose

Gain more insight in what supported participation of adolescents with CP

Participants

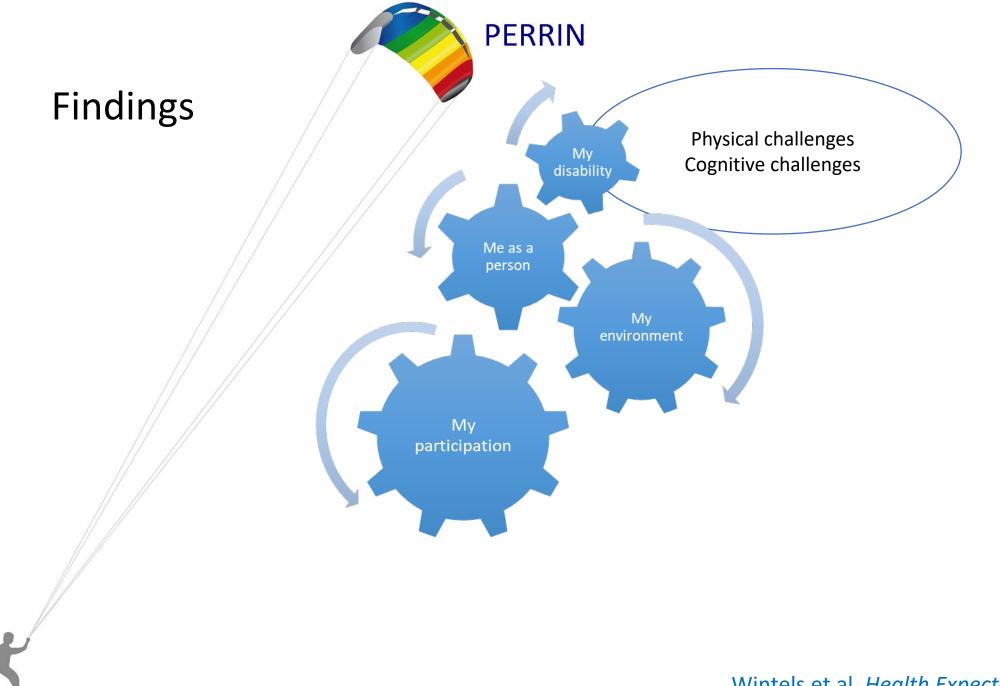
23 Adolescents 12-17 years with CP

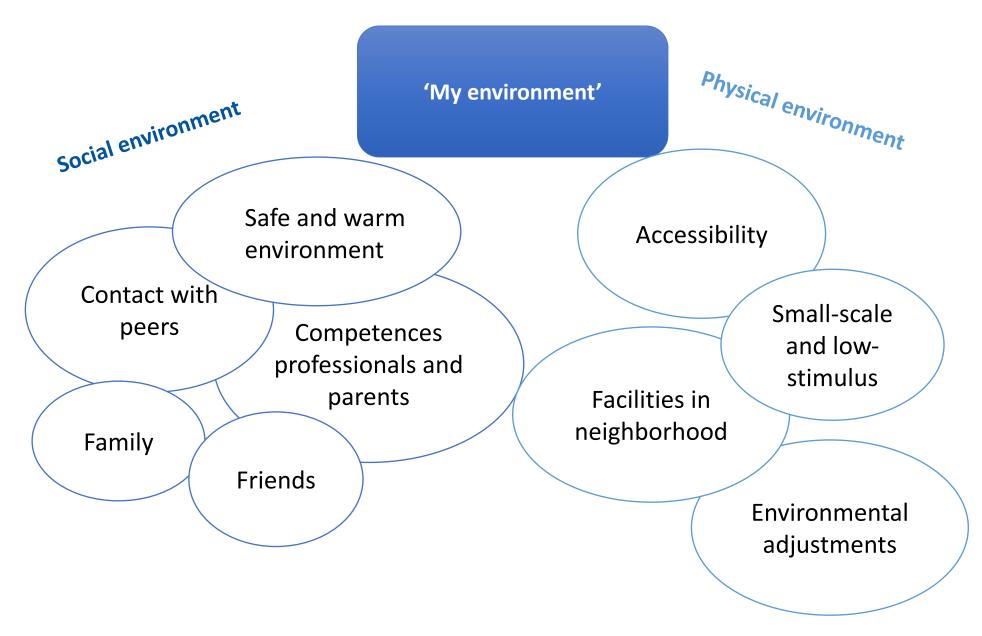


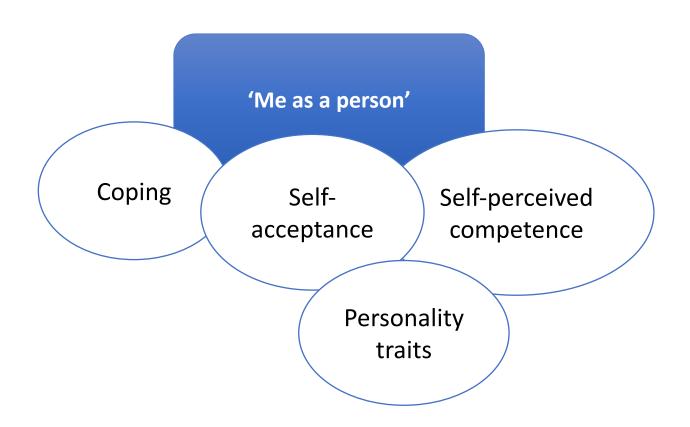
Methods

Open interviews

Focus on **Involvement** School, Sports, Work









Conclusions

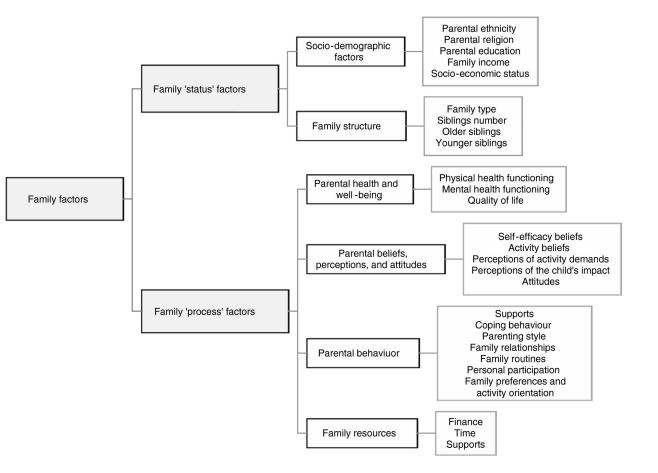
Perspectives of adolescents

- Importance of environmental and personal factors
- Focus on facilitators and barriers for participation, less focus on disability



Family factors associated with participation of children with disabilities: a systematic review

STELLA ARAKELYAN¹ (D) | DONALD MACIVER¹ (D) | ROBERT RUSH¹ | ANNE O'HARE² | KIRSTY FORSYTH¹



Environmental factors associated with participation and its related concepts among children and youth with cerebral palsy: a rapid review

Results: In total, 9511 unique articles were identified, of which 34 met all inclusion

criteria. Many different measures for environmental factors were used. Most common environmental factors associated with participation (i.e., attendance and involvement) were family ecology, type of school, and parental stress. Regarding participation-related constructs (activity competence, sense of self and preferences), most common factors were parental stress and the physical environment.

Conclusions: While environmental factors are found to be associated with participation attendance and activity competence in children with CP, there is a lack of research of environmental factors in relation to both participation involvement and other participation-related constructs. To increase impact in

clinical practice, future research should involve structured assessments of the environment and focus more on modifiable factors, to help service providers develop treatment paradigms needed for meaningful participation outcomes.

Participation for all in a life-course perspective





WHAT



HOW

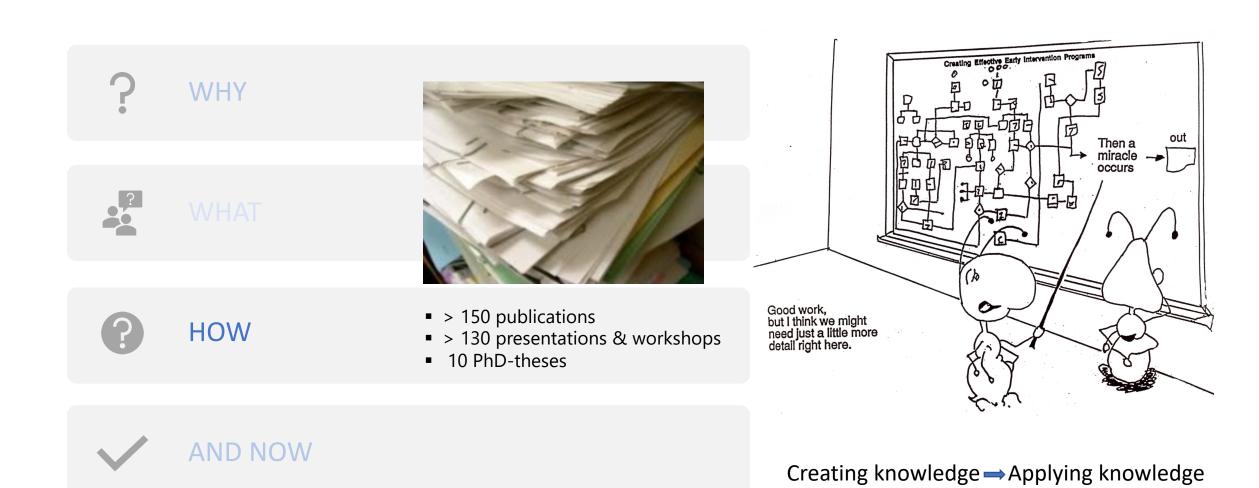




AND NOW



Participation for all in a life-course perspective



Knowledge translation

PERRIN Next Step



The gap

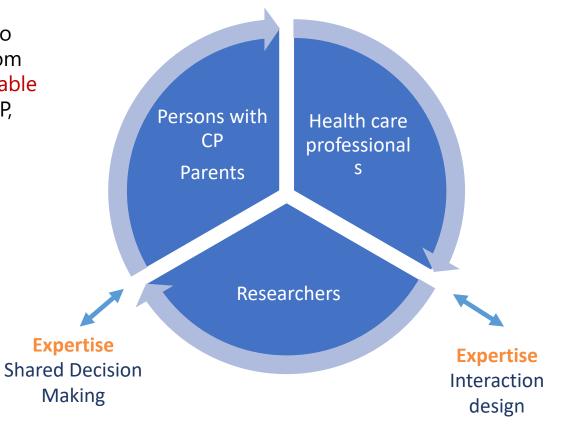
The knowledge on developmental trajectories is hardly used in clinical practice, and persons with CP and parents are not familiar with this knowledge.

(Not new: scientific knowledge does not automatically transfer to clinical practice(!))

The aim

Develop materials and tools to make scientific knowledge from PERRIN accessible and applicable for end-users; persons with CP, parents and health care professionals.

Co-creation Step by step iterative process











Teamwork

Examples of topics discussed

Trajectories very helpful as a starting point

BUT

- Variation
- Personal and environmental factors
- What does it mean for individual prognosis and development?
- Lifelong perspective in combining findings of various domains
- Relation with quality of life?

Participation for all in a life-course perspective



WHY



WHAT



HOW





AND NOW



Work in progress



Knowledge on developmental domains



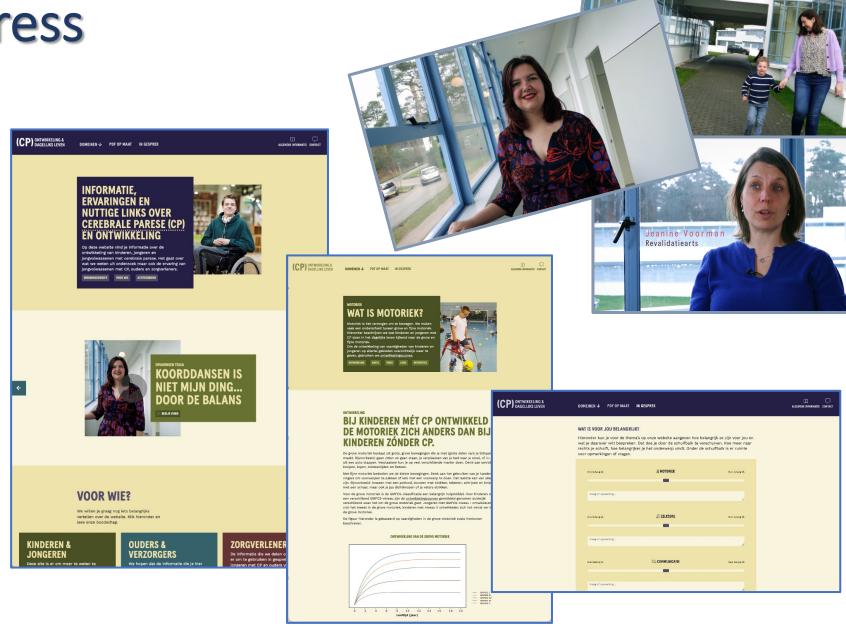
Developmental trajectories for subgroups



Tools to prepare and support conversation



Personal stories in videos



Focus on conversation

to encourage the dialogue on prognosis, the future, dreams, preferences goal-setting, and shared decision-making



Take home

- Knowledge on developmental trajectories of subgroups → as part of the conversation
- Individual preferences, needs, and dreams → driving forces for participation
- Never forget the importance of environmental and personal factors
- Think about the complexity (and opportunities!) of the environment



 Supporting participation cannot be done by families, health care, professionals, leisure organizations, or researchers alone



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Center of Excellence for Rehabilitation Medicine Utrecht —

Thanks to all

Teenagers and young adults with CP

Families

Health care professionals

Colleagues

Students



for their partnerships in this wonderful journey!

