BARRIERS, FACILITATORS
AND SOLUTIONS FOR
ACTIVE INCLUSIVE PLAY
FOR CHILDREN WITH A
PHYSICAL DISABILITY IN THE
NETHERLANDS.
A QUALITATIVE STUDY.

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Research Group Lifestyle and Health, Research Center for Healthy and Sustainable Living Master Pediatric Physiotherapy, Institute of Human Movement Studies

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Impact your future





I have a question for you

- Do you use play in therapy?
- Do you use outside play as a therapy goal?
- Do you use coaching to increase inclusion?
- Do you provide therapy in the community?

Background

Playing outside is fun.

Positive effects on motor-, social- and cognitive development and overall health.¹

Children with physical disabilities are less physically active.²

The most important contributor to physical activity is outside play. ³

Multiple barriers regarding participation in playgrounds.

De Speeltuinbende (the Playground gang) Improvements of the physical accessibility did not increase participation.



Martin JJ, Benefits and barriers to physical activity for individuals with disabilities: A social-relational model of disability perspective. Disability and Rehabilitation 2013;35(24):2030-2031.
Pirimmer JA, Rowland JL. Physical activity for youth with disabilities: A critical need in an underserved propulation. Development J Neuropath Mistation 2008;11(2):141-148.

Burdette HL. Parental report of outdoor playtime as a measure of physical activity in preschool age children. Arch Pediatr Adolesc Med 2004;158:353-357.

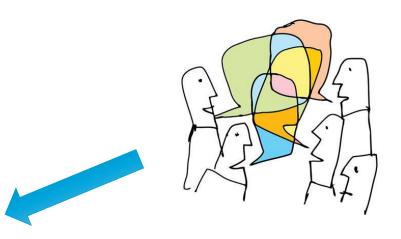
Moore A, Lynch H. Accessibility and usability of playground environments for children under



Goal

The purpose of this study was to describe the parents and professionals <u>perspective</u> on <u>barriers, facilitators and solutions</u> that influence participation of children with disabilities in physical active play in playgrounds. With this information, <u>intervention strategies</u> can be developed to <u>improve participation</u> in the playground for this population.





12 semi-structured interviews with parents

1 membercheck

(n=7)

5 focus groups with professionals

(n=25)



2 memberchecks

(n=14)

Data analysis

2 independent researchers Thematic inductive analysis Critical peer review

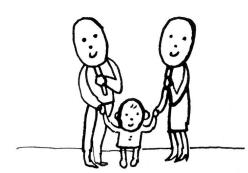
Results

"Yes... we were always here in the practice...Then I'd rather have that the therapist tells me there (in the playground)...what I can do with my daughter, or what I do is good.

(parent)"

"yes, I apply it in my therapy, when children have to learn something, then I use play as a method..... But how many times I was really focused if a child could play. Well, then that is pretty limited. (professional)"

"You often see that the child is able to do it physically, but that it is just really the connection between parents and child and being afraid that it is social incapable, rather than physically incapable to get there. Cannot keep up with the other children... also cannot handle conflicts. I think that is what parents encounter. (professional)"







"... he has hardly any connection [with peers].... Most children only see his wheelchair and ask me 'what is wrong with him'.... Than I think, you can also ask him.... Yes I find that really difficult...." (parent)

"... I think they really don't care...if there is either a swing, a seesaw or a jungle gym. It is more important that they are with children from the neighborhood..." (professional)







"I do not think it is possible to say that by tomorrow we make the playground this way, we take into account these conditions, we support the parents and 1.5 year later or 2 years later all children with disabilities play in a playground ... I believe take at least 10 years to trigger, the change for this to become normal. This is about behavioral change in my opinion, within families of children with disabilities... uh but also within the society to get everything accessible. (professional)"



"I think at first, when they are so young, they want their child to sit and walk. There are so many basic questions, that they only start thinking about play later on.(professional)"

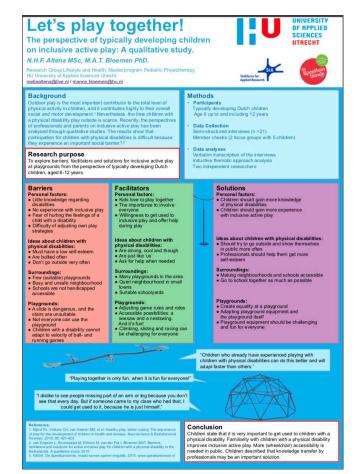


Conclusion

Social barrier bigger than physical barrier Community centered and multidisciplinary care **Empowerment of parents and child at a** young age Increased inclusion and acceptation of children with disabilities



Posters



Playground arrangements for improving inclusive and physically active outdoor play: a qualitative study.

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ow, children with a physical disability are even less physically active than their typically developing peers. Playing outside is an important tor in improving physical activity.1 Unfortunately evidence show hat the time that children spent playing outside decreases. Children th physical disabilities experience a variety of barriers conside cipation in outside active play.2 Most playgrounds in the herlands are still not accessible for children with physical sabilities. In addition, if playgrounds are accessible for those illdren, they do not always stimulate inclusive physically active play.

explore which playground arrangements can stimulate inclusive d physically active play.

his study identified six themes describing what the arrangement of around needs to ensure inclusive physically active outside play:

- Attractive and inviting aspects
- Creativity and fantasy
- Safety and shelter



Parent: "It is not necessary for my child to be able to use all the equipment of the playground, but he should be able to reach everything there is."



Professional: "I would like to see playgrounds to be more interactive, like using sand and water. That is where children play together and move one place to another."

Descriptive qualitative study

Data collection

Data Analyses

2 individual interviews

Views and experiences of parents from children with physical disabilities, of professionals working

with children with disabilities and of designers and

Semi-structured interviews; 3 focus groups (n=17),

Reassessing of 17 transcripts of a former study

looking at facilitators and barriers for inclusive plays; 5 focus groups (n=25), 12 individual

Verbatim transcription of the interviews Two independent researchers Thematic inductive analyses



Designer: "A hillside...that children in a wheelchair can ride down the hill and the other children can run down of it."

e identified six themes provide a quideline for inclusive active outside play when developing or adjusting playgrounds ressionals working in the field of pediatric rehabilitation should be aware of these guidelines so they can advise and suppor

Why do you play hide and seek?

Barriers, facilitators and solutions for active inclusive play for children with a disability in the Netherlands: the professional's perspective. A qualitative study.

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ntroduction

Children with disabilities participate less in play1 and perience multiple barriers regarding participation is lygrounds2. Improvement of the physical accessibility did not increase participation

Objective

Describe the professionals perspective on barriers, facilitators and solutions for active inclusive play for children with physical disabilities.

Methods

"Professionals working with children with disabilities (fe. peadiatic physiotherapists, occupational therapist, personal care assistant, podagogue, wheachair skills trainer, organizer inclusive sports)

Methods

5 focusgroups with professionals (n=25) 2 memberchecks (n=14)

Data analyses

- CHITCH THEAT FROM
- Physical activity for persons with disability model³



Results

Emotional barrier to do it physically, but that it is just parents and child and being afraid that it is social incapable, rather han physically incapable to get there. Cannot keep up with the conflicts. I think that is what

parents encounter.

Start young "I think at first, when they are so young, they want their child to sit and walk. There are so many b questions, that they only start thinking about play later on."



never becomes normal and it than immediately feels strange when a child with a disability is there at a later age instead of being used to t because you grew up with it."

"ves. I apply it in my therapy. when children have to learn comething, then I use play as a method, what I do playfully. But how many times I was really focused if a child could play. Well. then that is pretty limited."

The emotional barrier seems to be very important. Professionals must be aware of this and coach the child and parent from an early age on. Furthermore, play for children with disabilities is necessary and should be part of therapy. Several disciplines can and should take an active role in this



Future research

- Perspective of children with disabilties
- Brainstorm session @
 INSPIRATION
 SESSION on saturday





Questions?

