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Laura Maenhout (°1994) combined her studies in Special Needs Education and a deep interest in the field of sports and exercise into a doctoral project at Ghent University with the support of Research Foundation - Flanders (FWO). At the Department of Movement and Sports Sciences, she passionately investigates the promotion of physical activity among individuals with intellectual disabilities.



GET IN TOUCH

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THE PROMOTION OF PHYSICAL ACTIVITY IN YOUTH WITH INTELLECTUAL DISABILITIES





BACKGROUND

Youth with intellectual disabilities (ID) experience more health issues than their peers without ID. Being active can help address these issues, but only 9% of people with ID meet recommended physical activity levels. There is a need to improve activity levels, yet many current interventions are not effective.

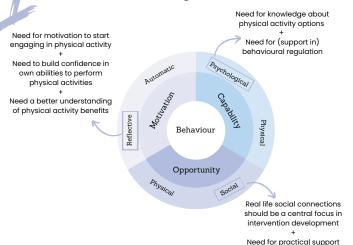
CHALLENGES

Creating successful physical activity interventions for youth with ID involves tackling four key challenges:

- Interventions are often created without a strong guiding theory.
- People with ID are rarely asked for their opinions during the development process.
- We do not fully understand the key factors that should be included in interventions.
- We lack understanding of what works for whom, under which circumstances and why.



STUDY 1 established the theoretical basis for the intervention using the COM-B model.

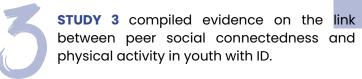


Intervention = buddy + supporting app

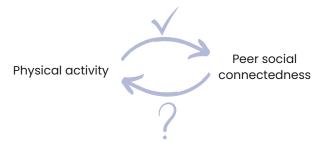
STUDY 2 detailed the co-creation process with youth with ID and identified seven key lessons learned.

- Involve the caregivers in the process
- Start with building rapport
- Empower participants in decision-making
- Consider the impact of varying group dynamics
- Adapt questioning
- Use innovative and creative working methods
- Essential co-researcher traits include enthusiasm, patience, flexibility and openness

These principles serve as a blueprint for cocreating with this target group.



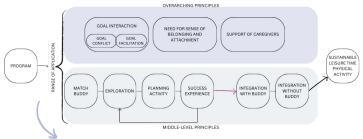
The literature lacks a clear definition and measurement instrument of peer social connectedness in the context of physical activity.



Future research should explore if strengthening peer social connectedness leads to increased physical activity among youth with ID.

STUDY 4 used a theory-based evaluation approach to closely examine seven individual cases and assess how well the intervention worked.

Effective in 2 cases
Not effective in 2 cases
Insufficient data in 3 cases



Causal model shedding light on individual intervention mechanisms

A dyadic approach showed promise for youth with ID, who prioritised social connections over physical activity, but more research is needed to fully realise its potential.