INCLUSIVE SPORT CONFERENCE 2021



DATE & TIME 16 TO 18 MARCH 2021 9AM - 5PM

Host

110







Co-host

Special Olympics Singapore

INCLUSIVE SPORT CONFERENCE 2021

Fostering an active lifestyle for children with disability

From evidence to practice



Inclusive Sport Conference, 16-18 March 2021

Micheal Lim | Head & Principal Clinical Exercise Physiologist | Sports Medicine Service, KK Women's and Children's Hospital

OUTLINE

- Physical activity & health in children with disabilities
 - Are children with disability active enough?
 - Need to focus on promoting physical activity during childhood
- Barriers and facilitators to PA participation
- Strategies to encourage PA participation

PHYSICAL ACTIVITY & HEALTH IN CHILDREN WITH DISABILITIES

Importance and benefits of an active lifestyle

Improve physical fitness

Improve health-related fitness

Reduce health risks

Improve coordination

Skill development & mastery

Improve attention

Improve social-behavioural skills

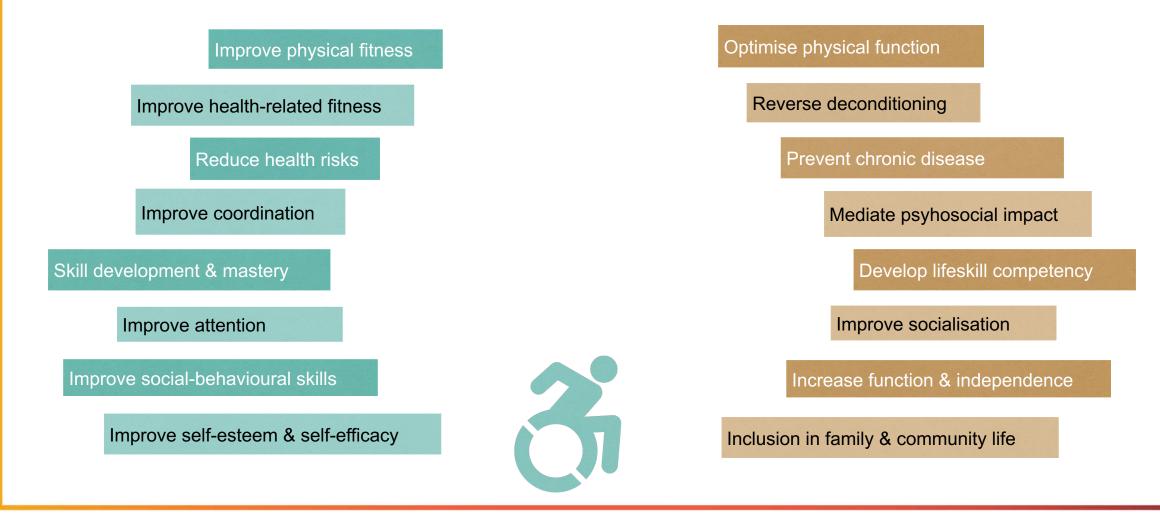
Improve self-esteem & self-efficacy



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PHYSICAL ACTIVITY & HEALTH IN CHILDREN WITH DISABILITIES

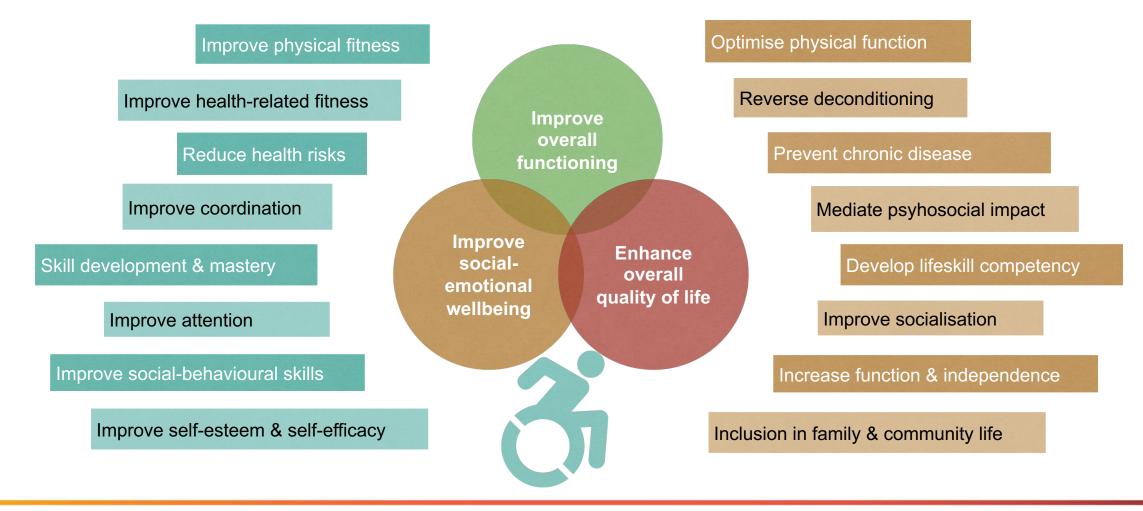
Specific benefits for children with disability / special needs



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PHYSICAL ACTIVITY & HEALTH IN CHILDREN WITH DISABILITIES

Specific benefits for children with disability / special needs



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How active are our children with disability?



PA GUIDELINES FOR CHILDREN WITH DISABILITIES

WHO Physical Activity Guidelines 2020





as well as those that strengthen muscle and bone should be incorporated.

-Mr **O O O O** O

LIMIT

the amount of time spent being sedentary, particularly recreational screen time.



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ARE CHILDREN WITH DISABILITY ACTIVE ENOUGH?

Levels of PA participation in children with disability

Youths with physical and sensory disabilities

16-24% meet MVPA Girls < Boys Informal > Formal activities



Typically developing youths

55% meet MVPA Girls < Boys

Children and youths with disabilities are not immune to the secular trends of inactive lifestyle!

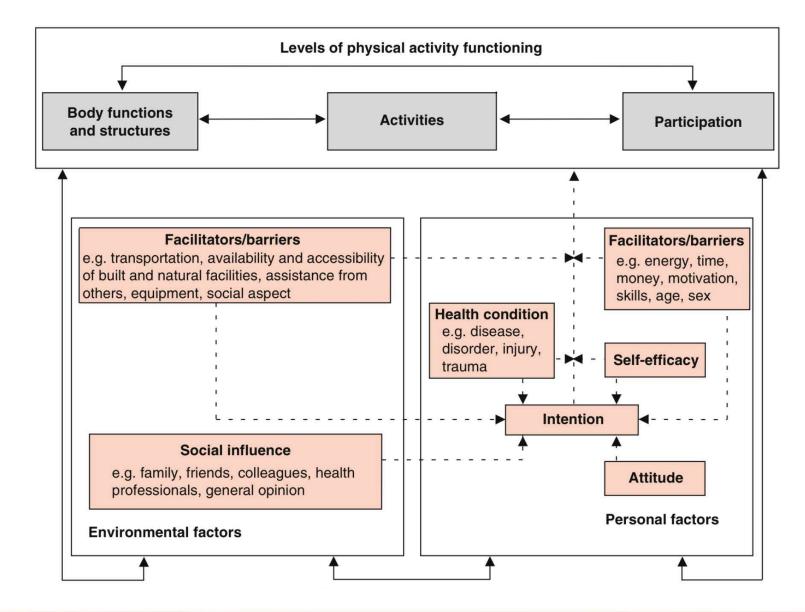
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NEED TO FOCUS ON PROMOTING PHYSICAL ACTIVITY DURING CHILDHOOD

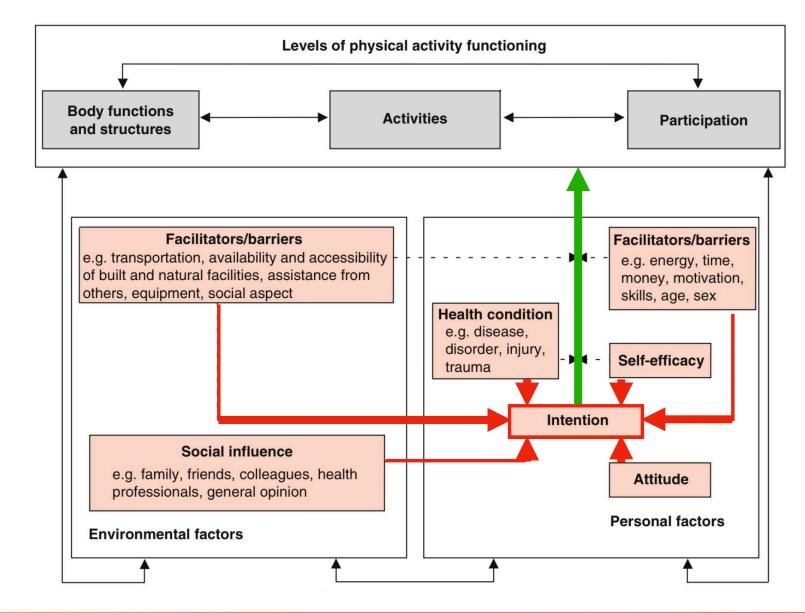
Early intervention matters!

- Childhood is period of physical and cognitive development
 - Participation in play, recreation and sport has a positive impact on overall growth and development and optimises health
- A critical period when children and youth develop selfconcept, attitudes and behaviours that they will likely transfer into adulthood
 - A time which child's habits are formed and family's lifestyle habits are open to changes and adaptations
 - Long term impact on functioning and health in adulthood
- Early investment in their health is important!!

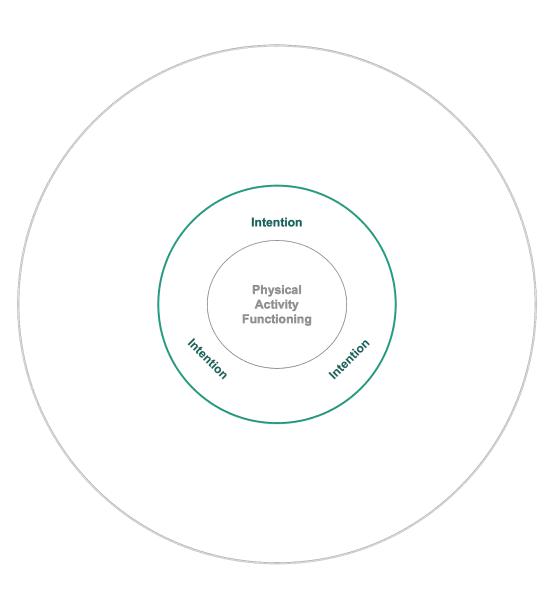
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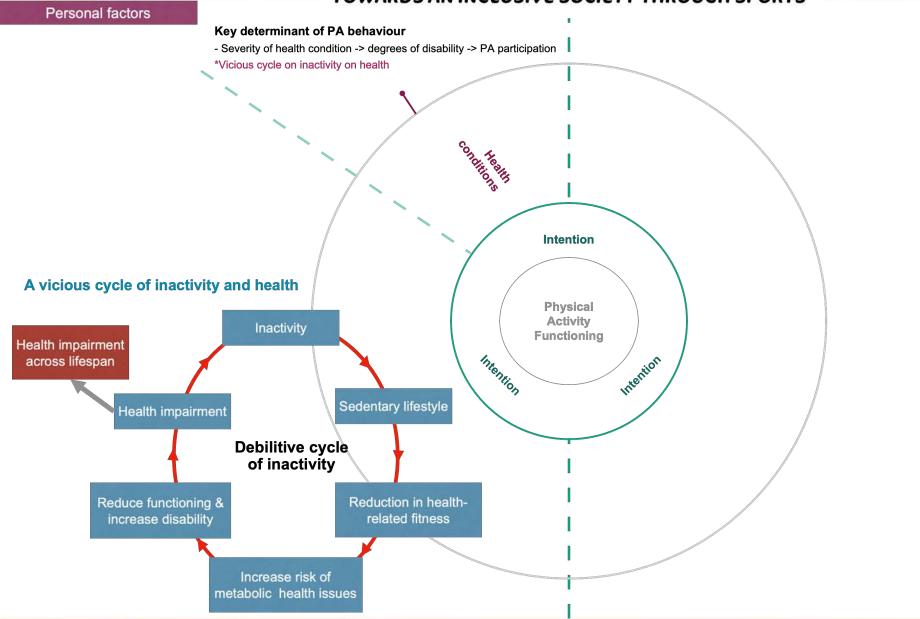
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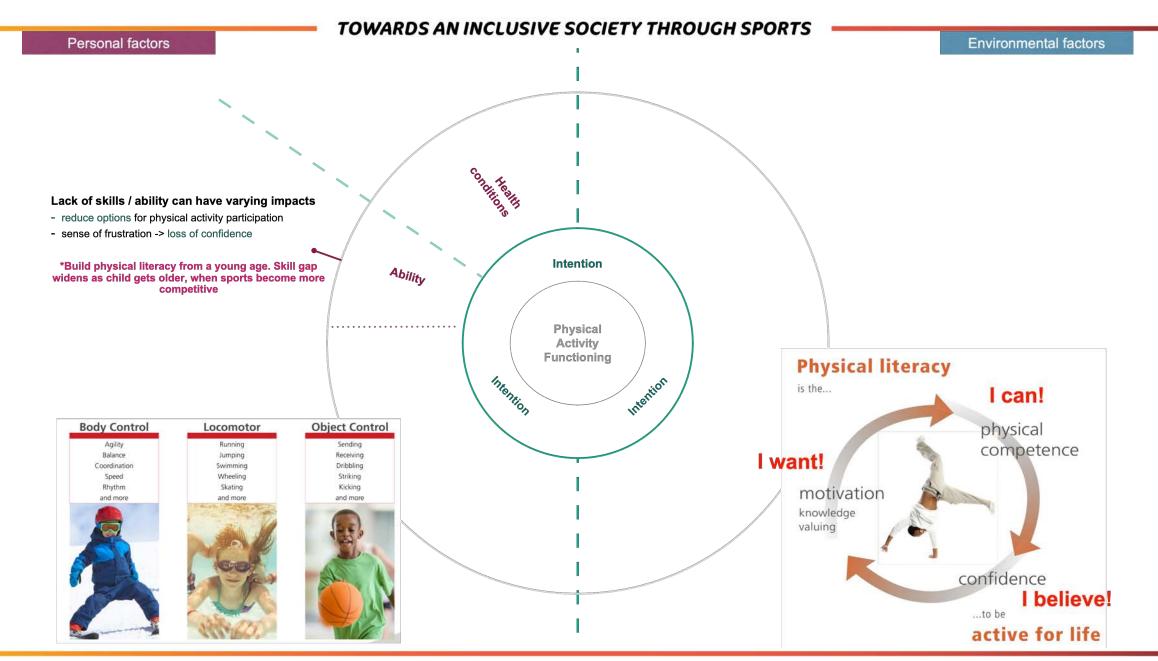
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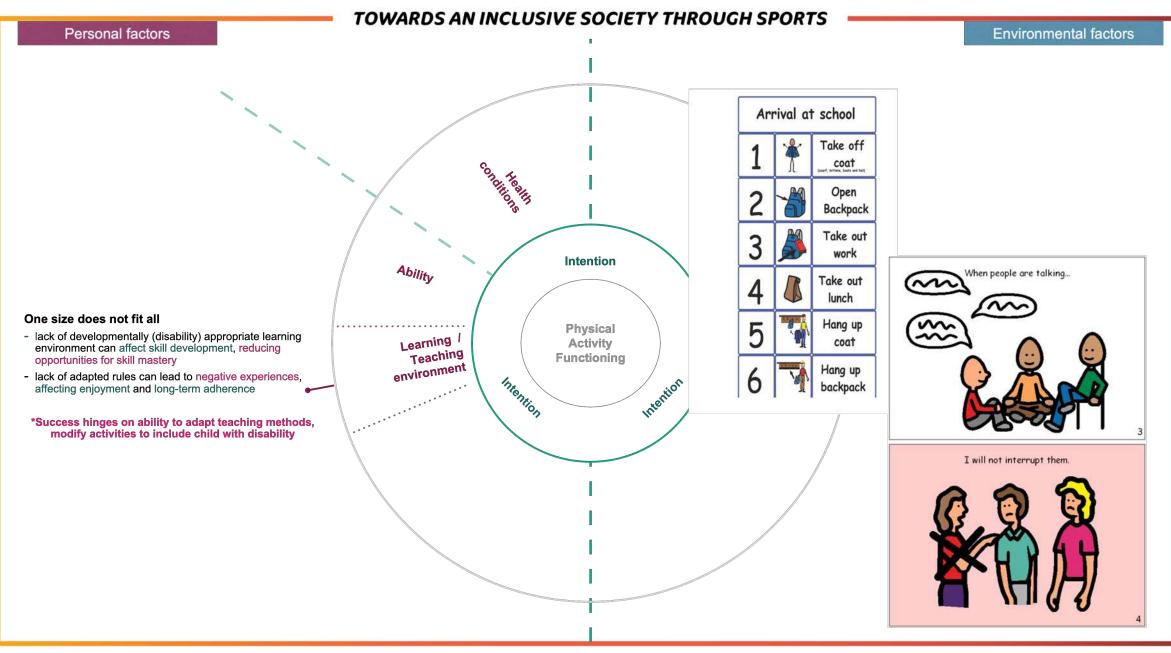


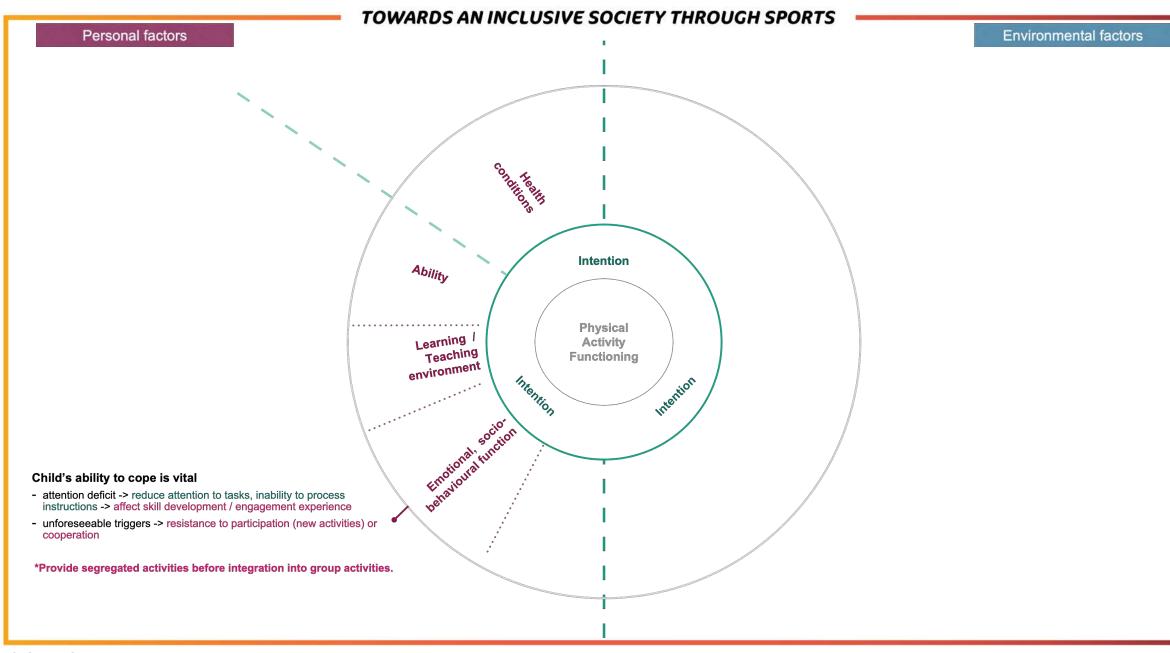
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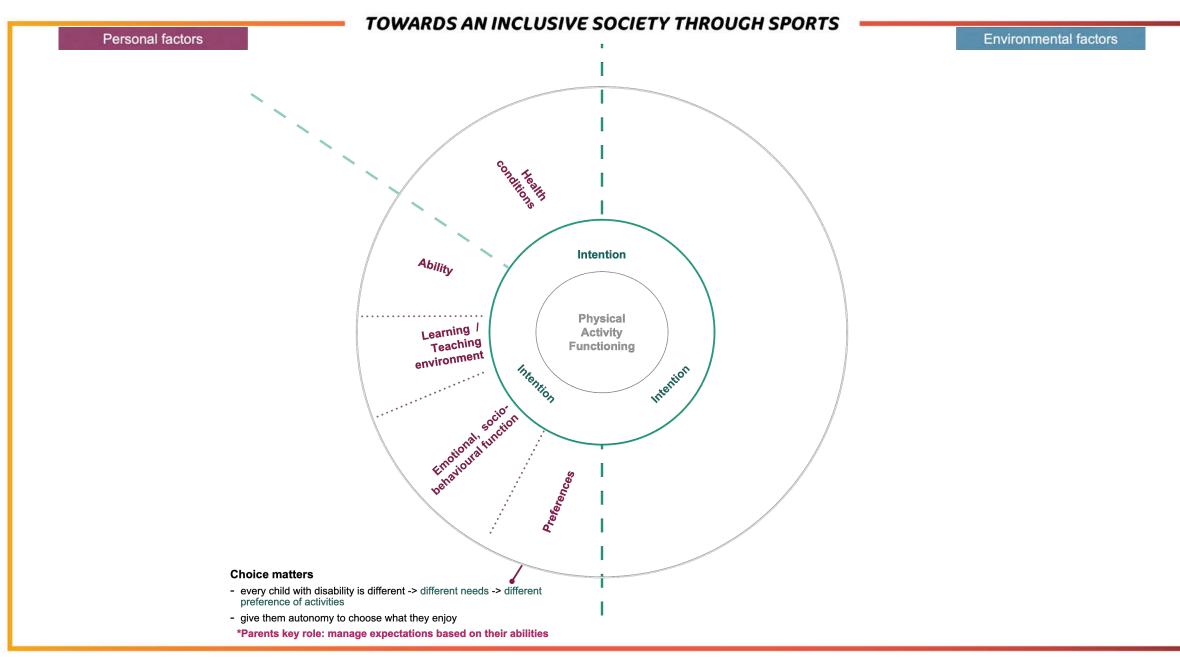
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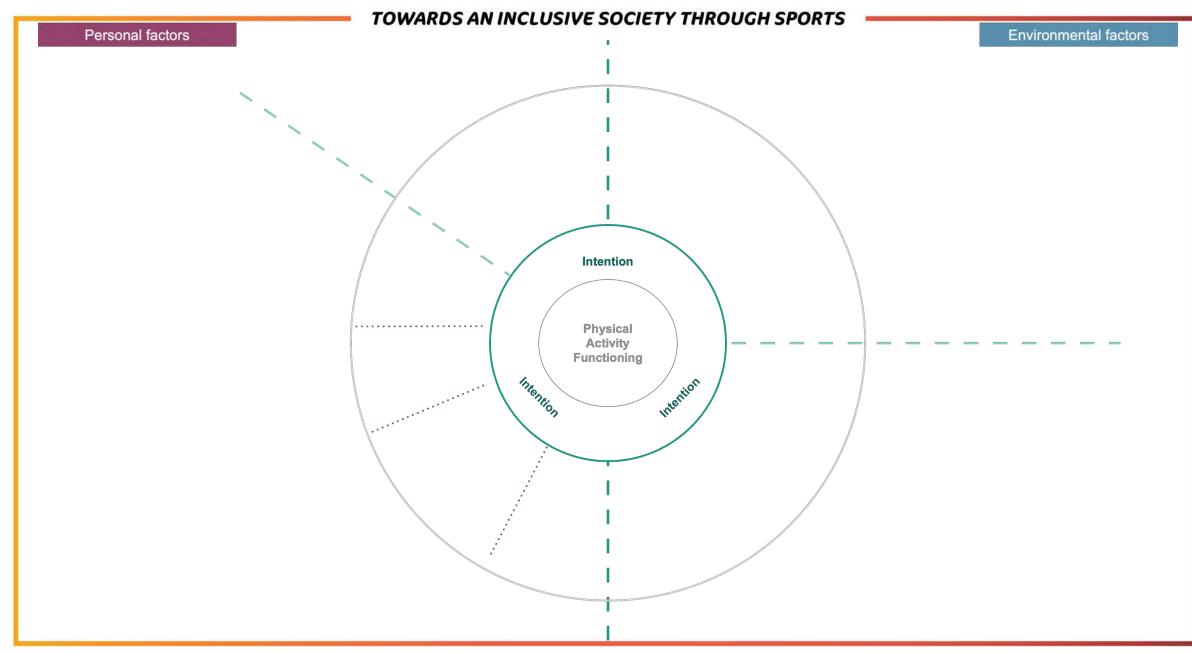
Environmental factors

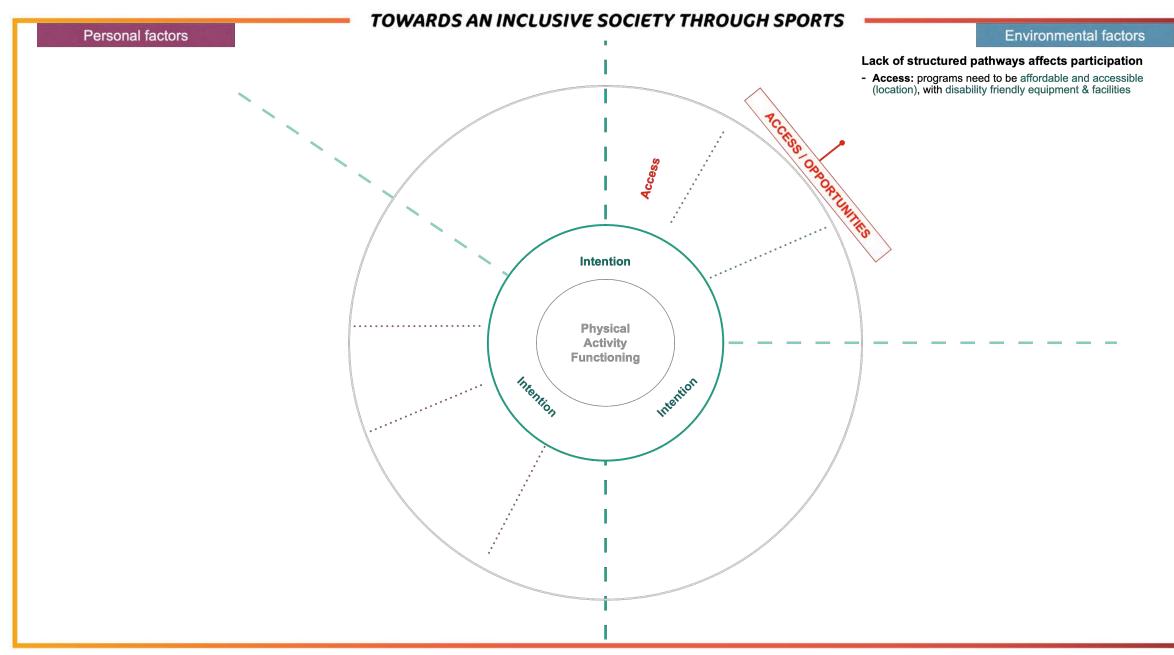


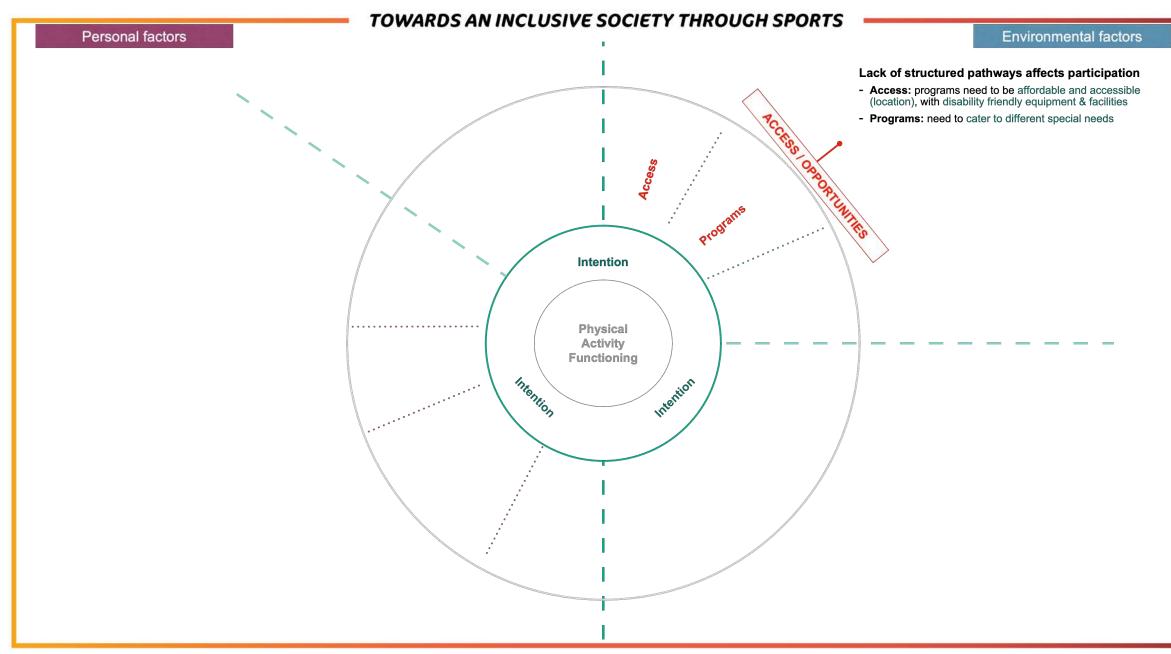


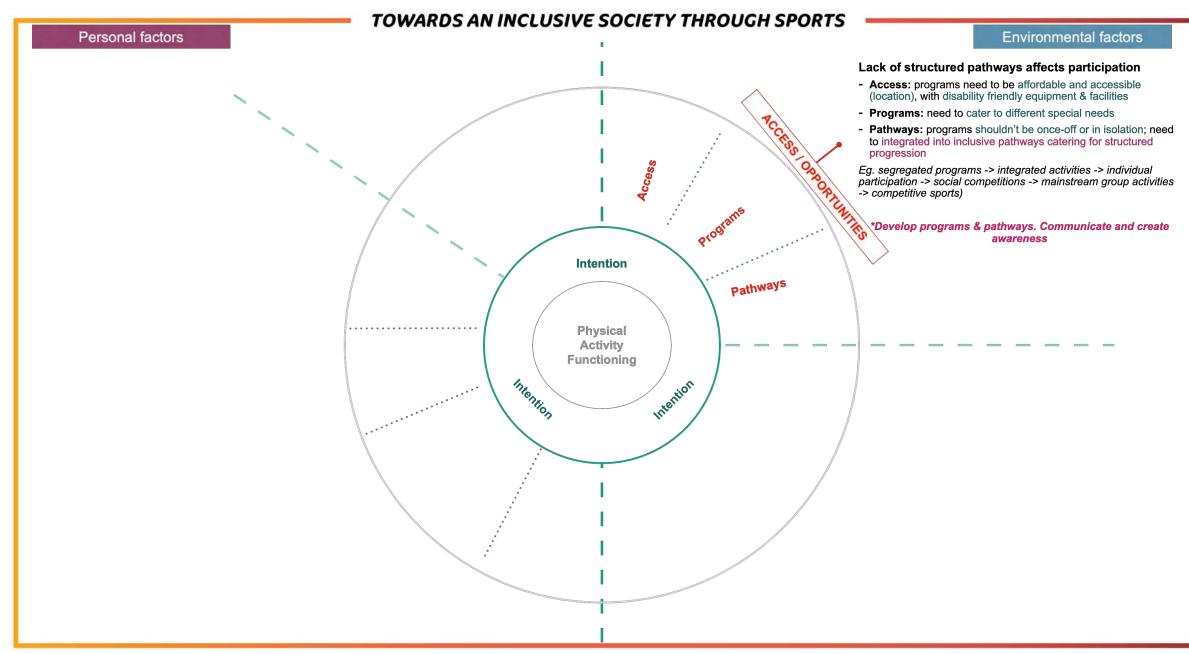


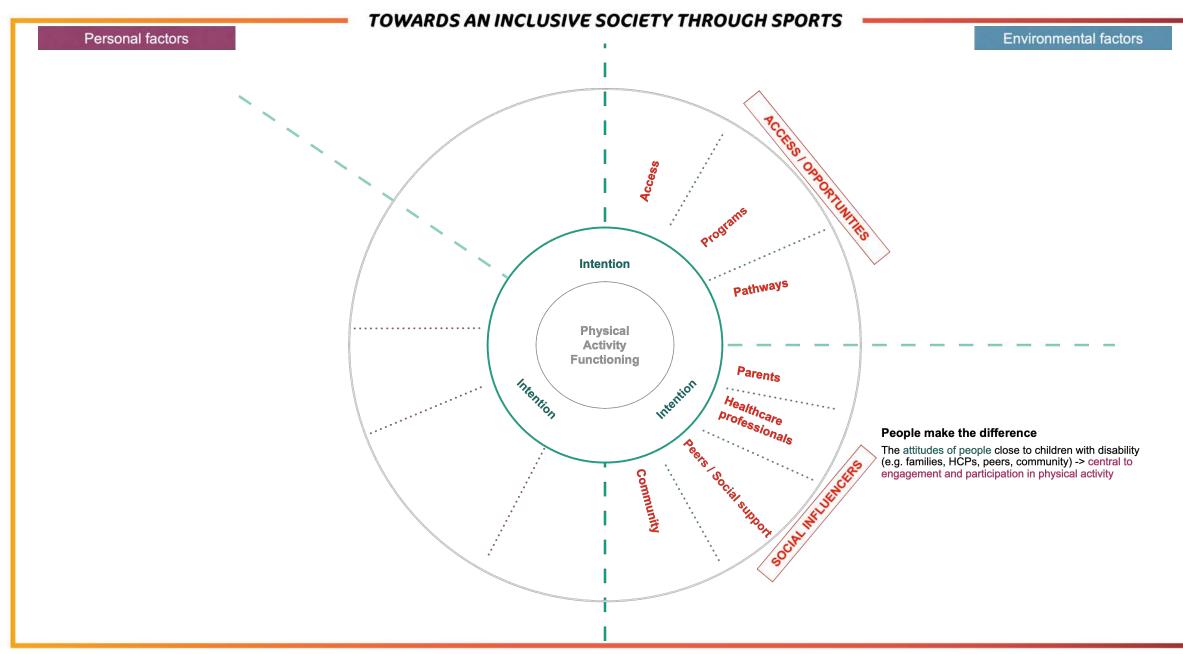


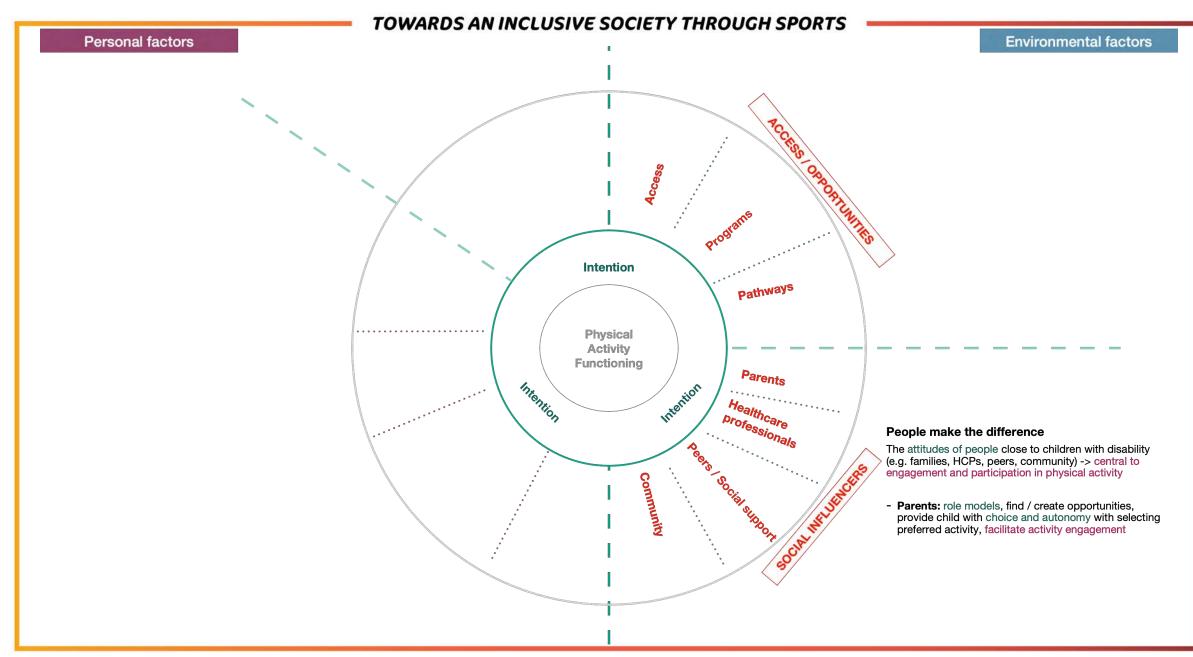


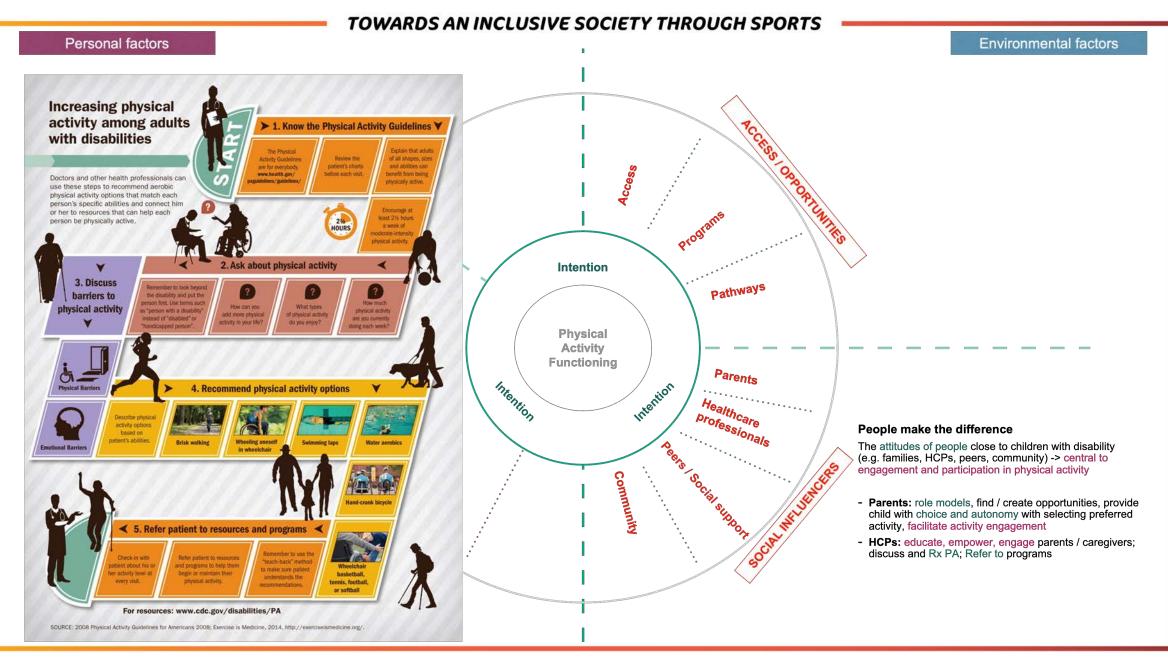


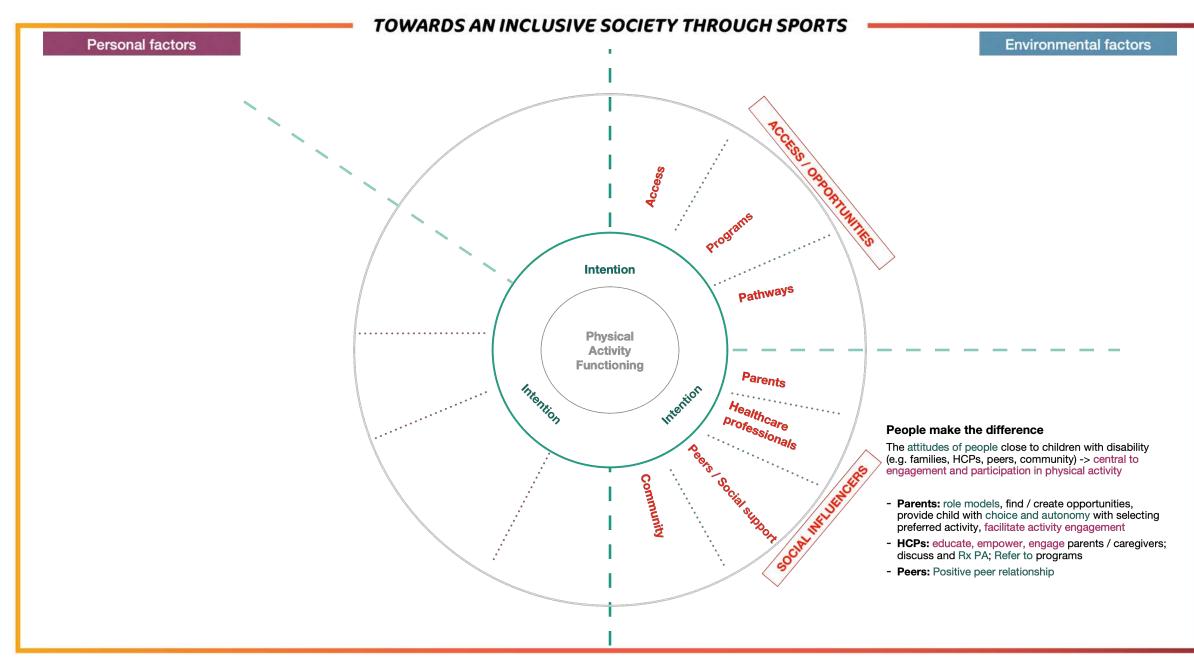


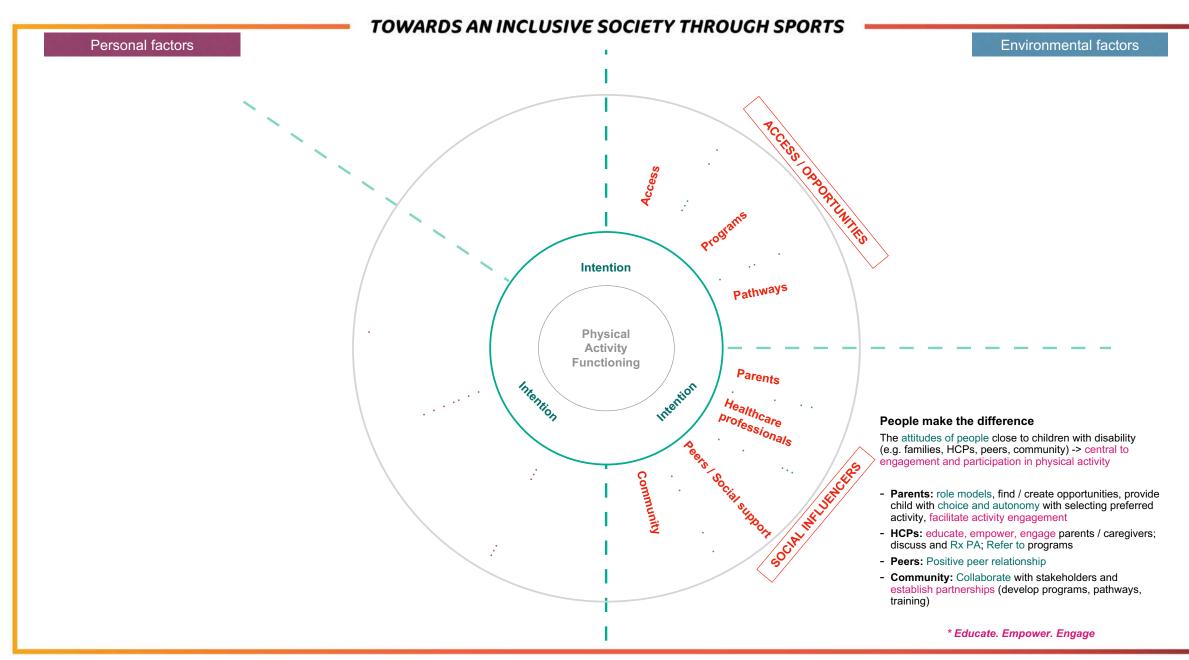


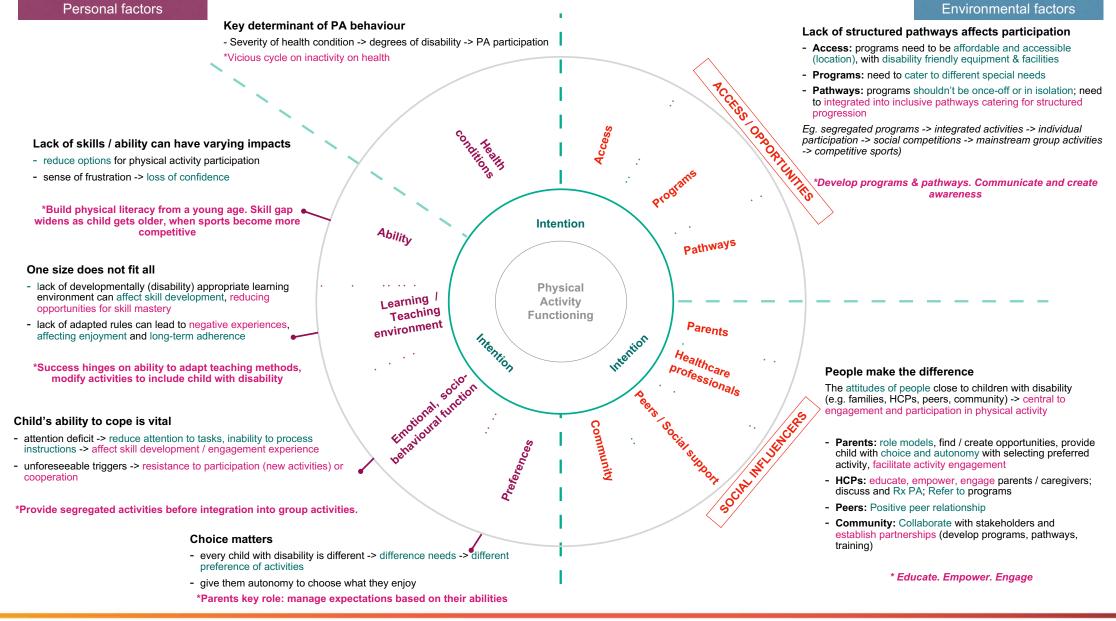




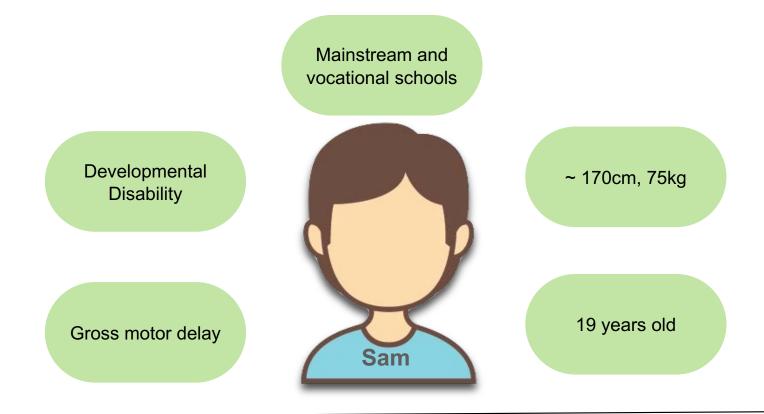




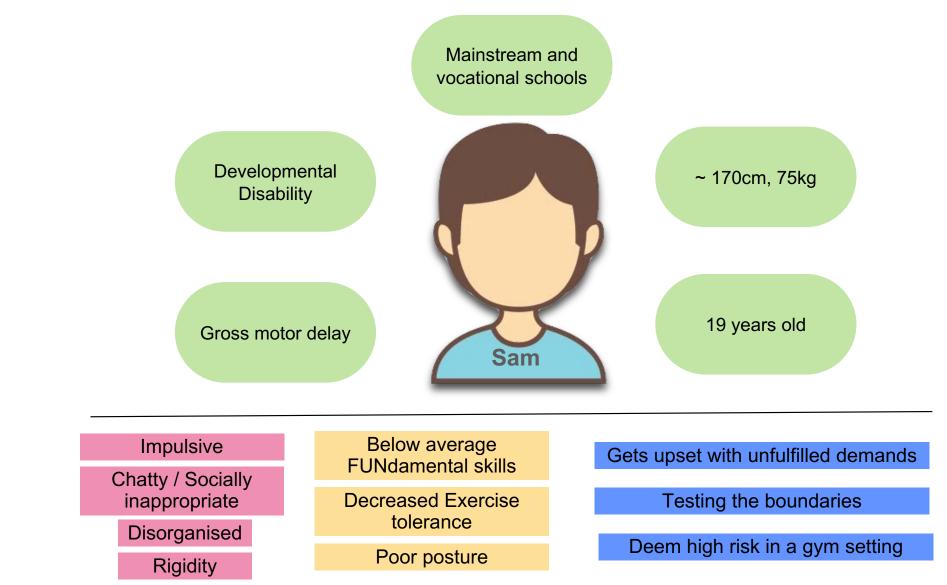




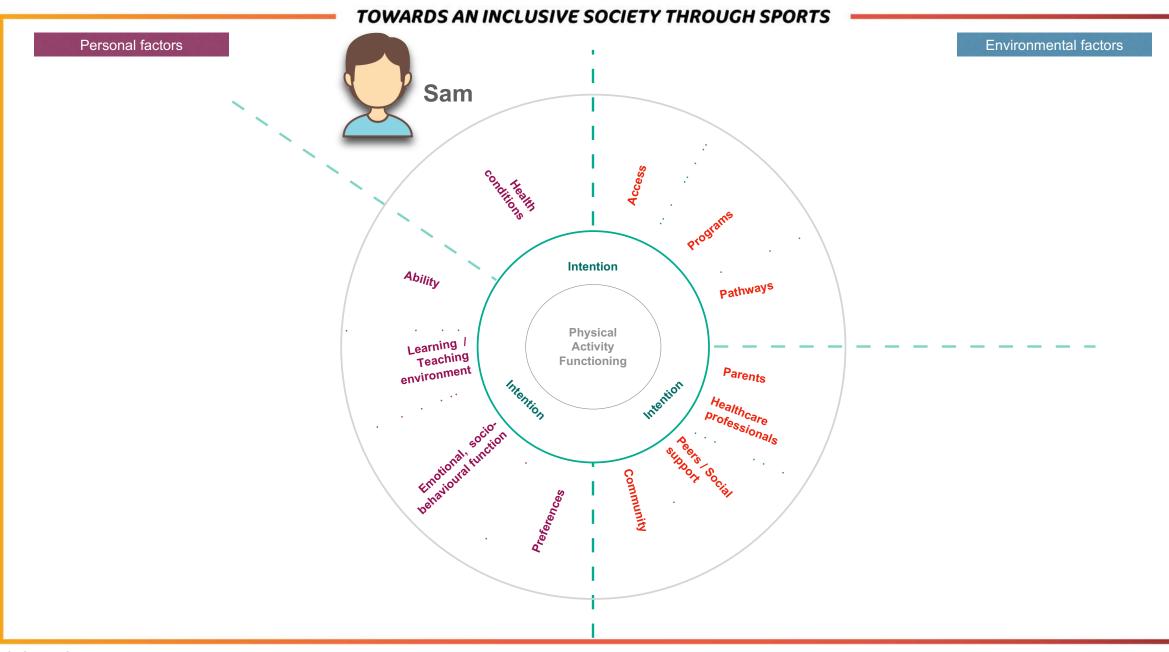
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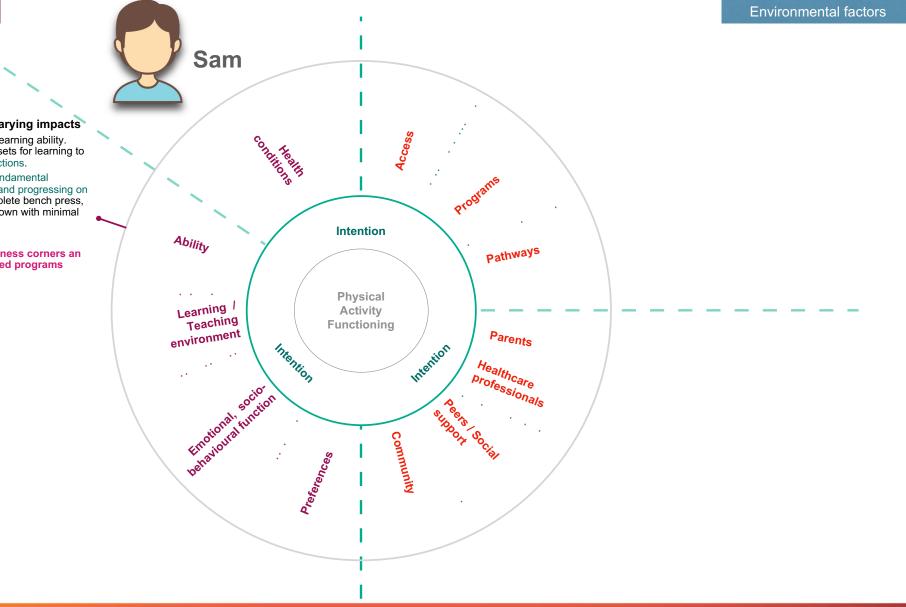
Lack of skills / ability can have varying impacts

- Longer learning time, due to poorer learning ability. Required repeated exposure to skill sets for learning to happen and adapted teaching instructions.

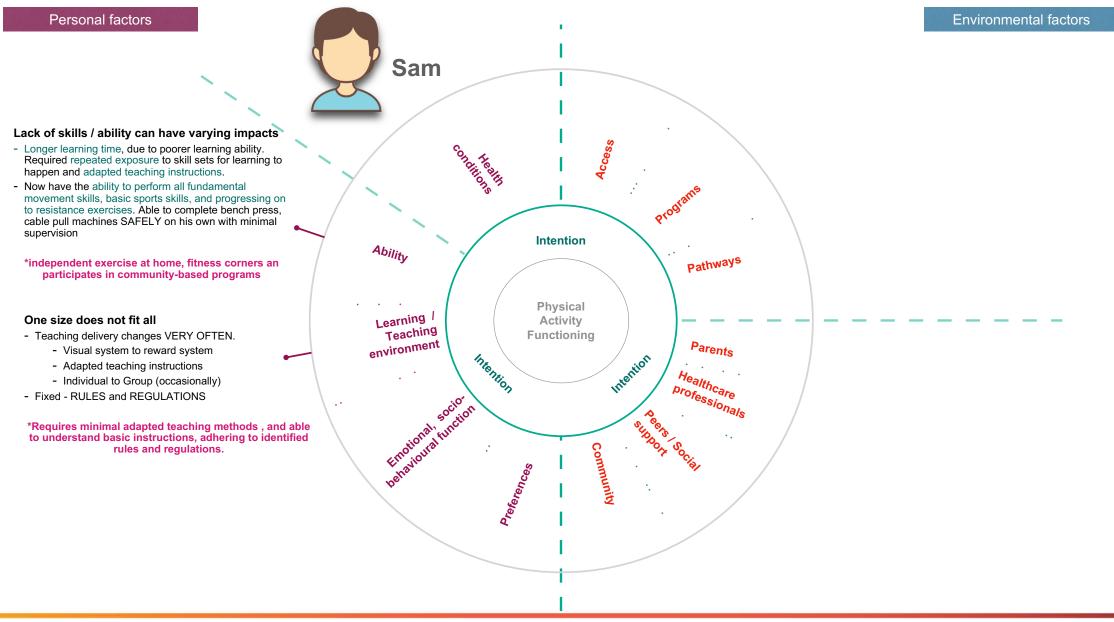
Personal factors

- Now have the ability to perform all fundamental movement skills, basic sports skills, and progressing on to resistance exercises. Able to complete bench press, cable pull machines SAFELY on his own with minimal supervision

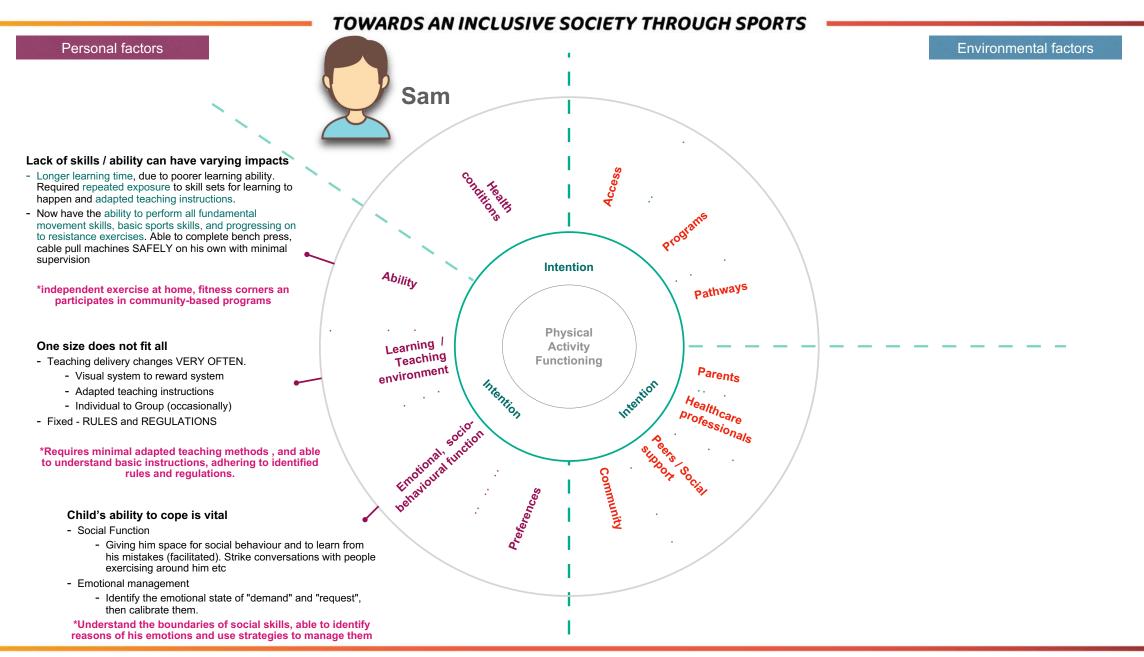
*independent exercise at home, fitness corners an participates in community-based programs

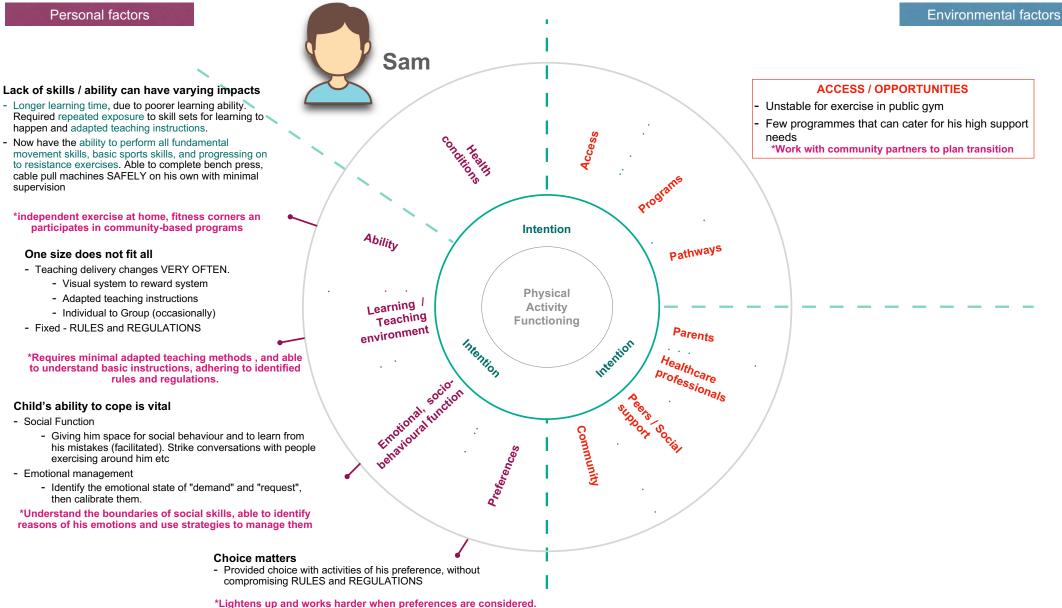


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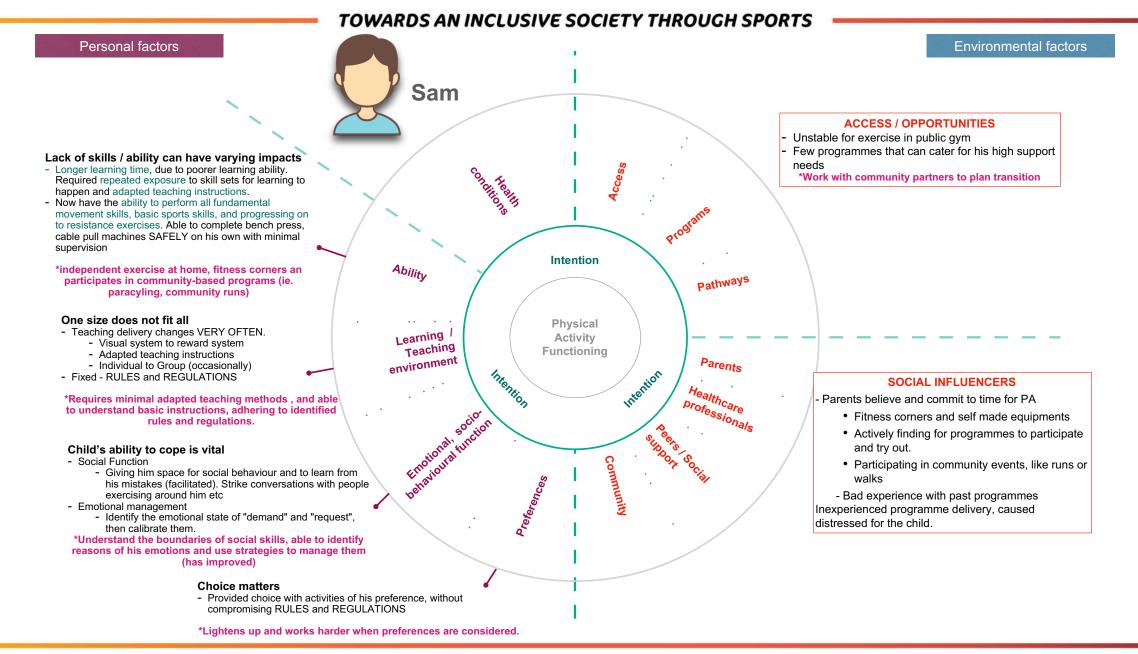


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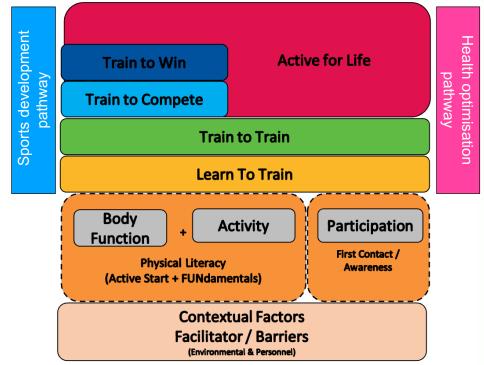


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Summary

- Children with disabilities are not immune to the secular trends of inactivity
- Inactivity can have impact on health and function
- Strategies to facilitate activity engagement needs to consider for both personal and environmental factors
- Invest in their health early!
- Build their physical literacy from a young age. Develop this mentality of *"I can, I believe and I want to be active"* - for health or as part of sports development in future



Integrated PAD model and LATD Disability

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Thank you!

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