



Seating in Germany.



schuchmann®

Therapy equipment for
disabled children and teens

Funding.

Just a therapy chair.

Evidence.

Variable seating.





Funding.

Verordnung häuslicher Krankenpflege



Der Anspruch auf häusliche Krankenpflege besteht nicht, soweit die Versicherte die erforderlichen Maßnahmen selbst durchführen oder eine im Haushalt lebende Person diese übernehmen kann.

☐

Die Beurteilung der häuslichen Krankenpflege ist erforderlich.

☒

Es ist

im Haushalt lebende Person die Maßnahmen kann, ist nicht möglich.

Folge-
verordnung

2/13

☐

1.1.13

Therapy chairs.



Funding by medical insurance:

Argumentation traditionally
with medical indication



Paradigm shift.



primacy of participation

Guideline.

- Medical diagnosis is not enough as an indication for the special aid
- Activity and participation based information are as important
- The sitting aid has to work in the clients daily life, support his or her autonomy and compensate body functions and structures



**Gemeinsamer
Bundesausschuss**

Richtlinie

des Gemeinsamen Bundesausschusses
über die Verordnung von Hilfsmitteln in der
vertragsärztlichen Versorgung

(Hilfsmittel-Richtlinie/HilfsM-RL)

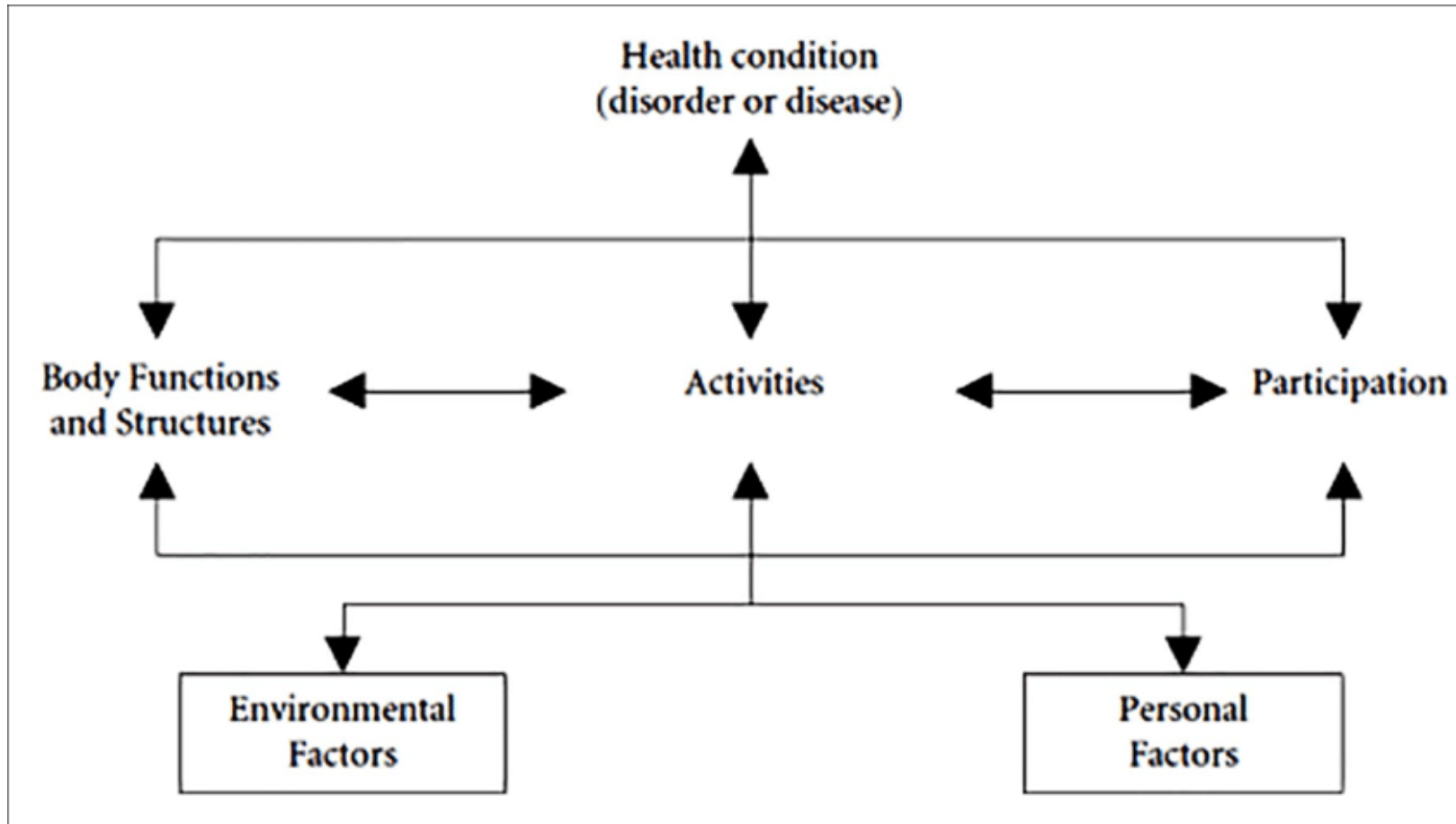
in der Fassung vom 21. Dezember 2011/15. März 2012
veröffentlicht im Bundesanzeiger (BAnz AT 10.04.2012 B2)
in Kraft getreten am 1. April 2012

zuletzt geändert am 18. März 2021
veröffentlicht im Bundesanzeiger (BAnz AT 15.04.2021 B3)
in Kraft getreten am 1. April 2021

Bio-psycho-social model.



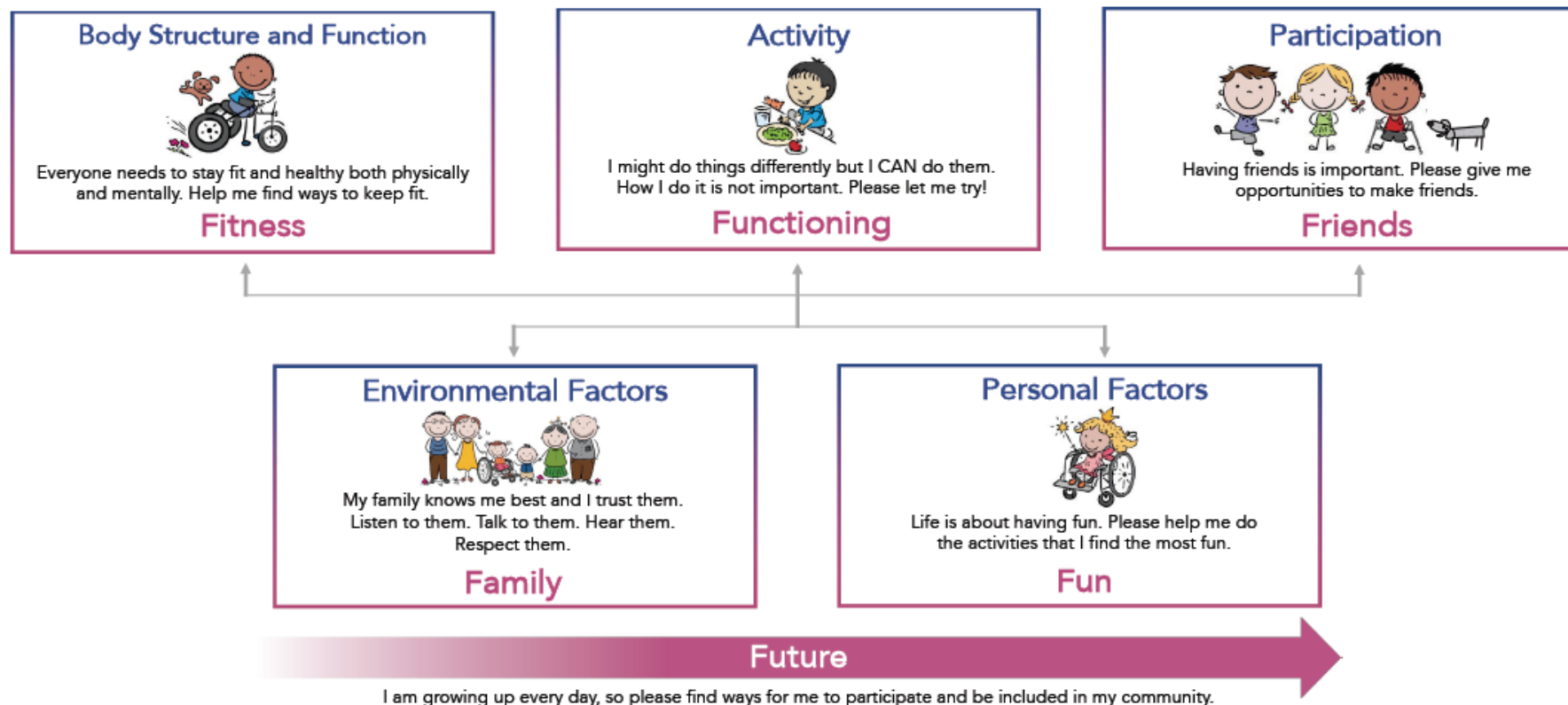
International classification of functioning, disability and health



Bio-psycho-social model.



The ICF Framework¹ and the F-Words²



For more information visit the F-words Knowledge Hub:
www.canchild.ca/f-words



¹) World Health Organization. (2001) *International Classification of Functioning, Disability and Health (ICF)*
²) Rosenbaum P & Gorter JW. (2012). The 'F-words' in childhood disability: I swear this is how we should think! *Child Care Health Dev*; 38.

The Schuchmann family.



**knew this before:
seating is more
than sitting.**



Just a therapy chair.



madita.-family.

... just a therapy chair –

but so much more ...



madita.-family.



madita-fun mini.



madita-fun.



madita.



maxi.

madita. in different situations.



**... but children with therapy chairs
spend too much time sitting ...**





Evidence.

Some evidence ...



Adolescents and young adults with CP spent 8.6% of 24 hours physically active and 79.5% sedentary, corresponding with respectively 123 minutes and 1147 minutes per 24 hours. Compared to able-bodied controls, persons with CP participated 48 minutes less in physical activities ($p < 0.01$) and spent 80 minutes more sedentary per 24 hours ($p < 0.01$). Physical behaviour was not different between persons with GMFCS level I and II and only number of short sitting bouts were significantly more prevalent in persons with bilateral CP compared to unilateral CP ($p < 0.05$).

J Neuroeng Rehabil. 2014; 11: 49.

Published online 2014 Apr 3. doi: [10.1186/1743-0003-11-49](https://doi.org/10.1186/1743-0003-11-49)

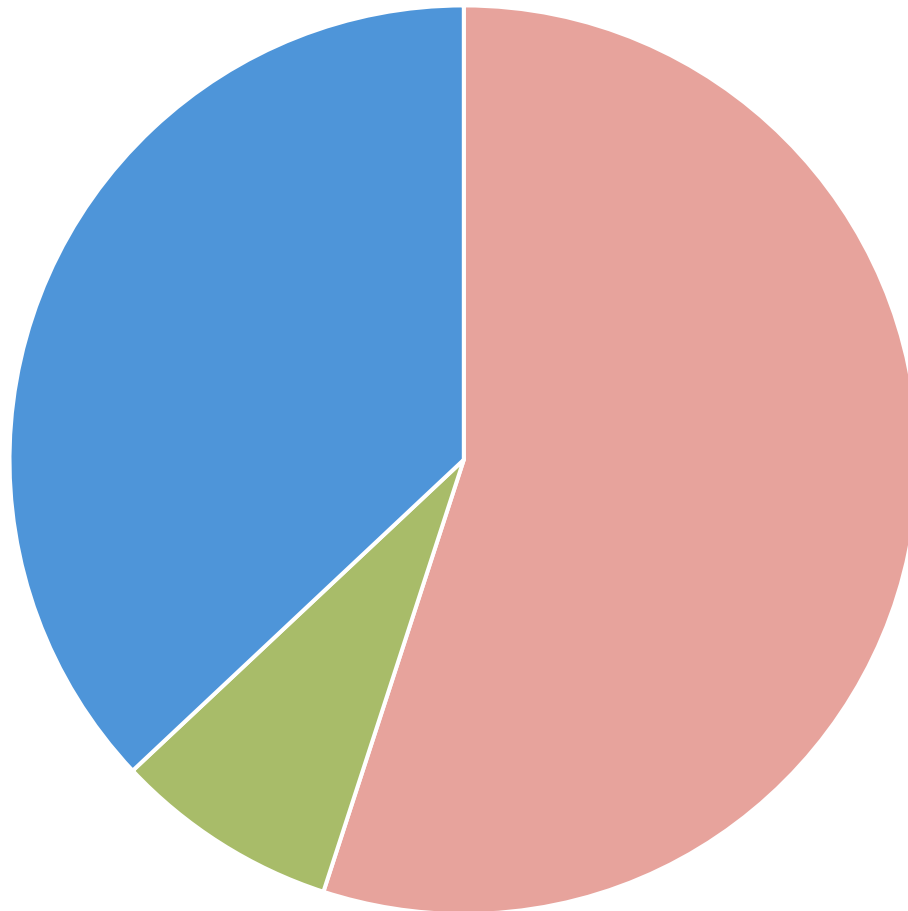
PMCID: [PMC4002542](https://pubmed.ncbi.nlm.nih.gov/24708559/)

PMID: [24708559](https://pubmed.ncbi.nlm.nih.gov/24708559/)

Inactive and sedentary lifestyles amongst ambulatory adolescents and young adults with cerebral palsy

Carla FJ Nooijen, ¹ Jorrit Slaman, ¹ Henk J Stam, ¹ Marij E Roebroek

24 h positioning.



■ sitting ■ physically active ■ night time ■

- sitting: 55%
- night time: 37 %
- physically active: 8 %

Some evidence ...



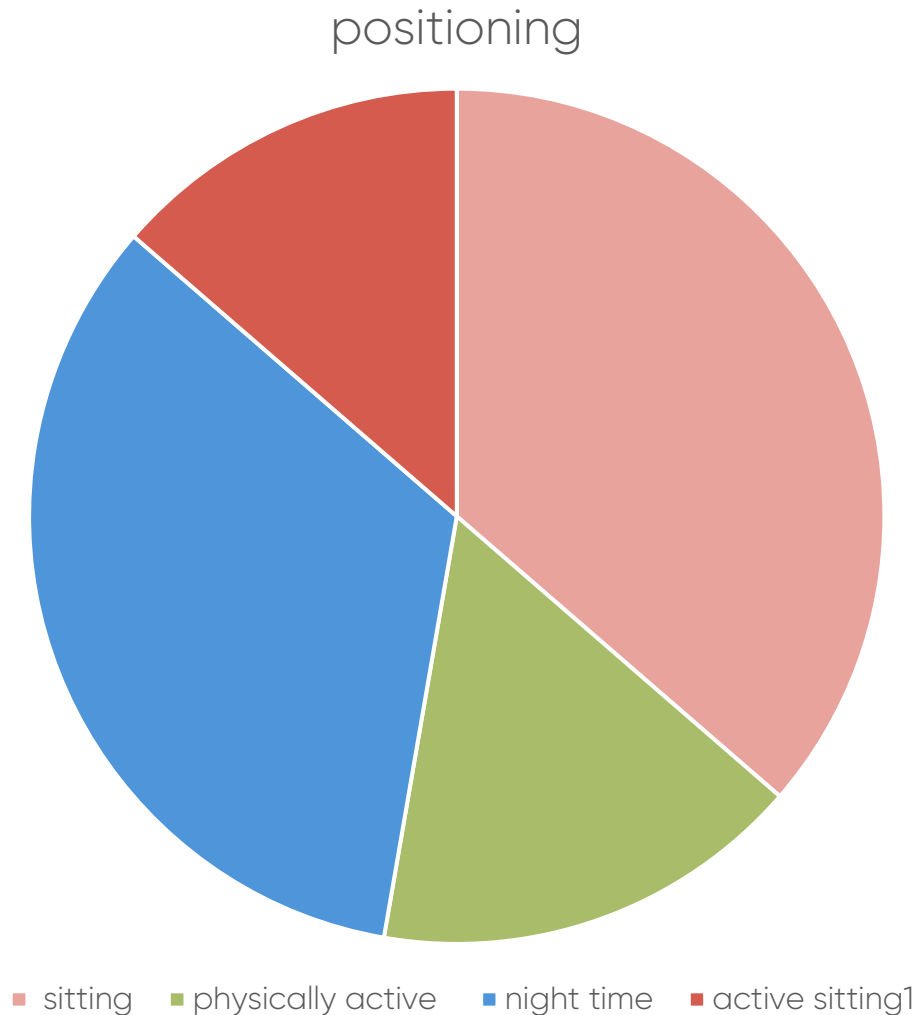
For decades, exercise professionals have been emphasizing the need for structured moderate to vigorous exercise as the guiding tenet of physical activity and exercise program design for children and adolescents with CP. Intervention recommendations for this population must now be broadened to include reducing sedentary time and encouraging light-intensity activities. To maintain effective levels of physical activity, exercise programs need to be made accessible and feasible for children and their families. To fully appreciate the importance of decreasing sedentary behavior, we need to build foundational knowledge about definitions and classifications specific to individuals with CP. Let us stop being idle and get active!

Health-Enhancing Physical Activity in Children With Cerebral Palsy: More of the Same Is Not Enough ^{FREE}

Olaf Verschuren ✉, Johanna Darrah, Iona Novak, Marjolijn Ketelaar, Lesley Wiart [Author Notes](#)

Physical Therapy, Volume 94, Issue 2, 1 February 2014, Pages 297–305,
<https://doi.org/10.2522/ptj.20130214>

Seating as a part of a positioning programme.



- more verticalisation
- more movement / mobility
- better night time positioning
- more movement / variation in sitting



Variable seating.



Variation of sitting.



Abduction seats.



meeting medical demands

Height adjustment and task orientated hand function.



Seat adjustment.



The decision making process.



Sitting to
guide and
compensate
body function
structures



Sitting
to do
something



Sitting is social
Participation





Decision making process.

Finding the balance between these factors for this unique person and his or her family:

- interdisciplinary – when ever possible
- clientcentered
- target orientatet

Conclusion.



Seating in Germany has to answer

- **medical,**
- **physiological,**
- **occupational,**
- **personal,**
- **every day orientated demands.**





**Many thanks for
your attention!**