

# Disclosure of speaker's interests Sander Hilberink

(Potential) conflict of interest	None
Potentially relevant company relationships in connection with event	Company names
<ul> <li>Sponsorship or research funding</li> <li>Fee or other (financial) payment</li> <li>Shareholder</li> <li>Other relationship, i.e</li> </ul>	



# Camp Jened: Crip Camp (Netflix)



Camp Jened: The birth of the...

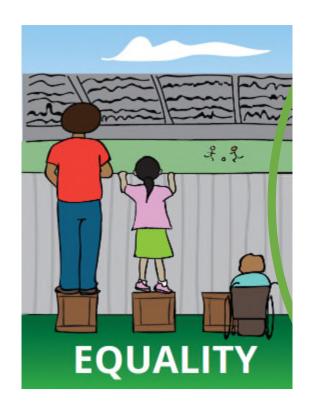


- Adopted in 2006 by the UN, ratified by the Netherlands in 2016
- Extensive lobbying by many organizations
- Ensures:
  - Access to 'a normal life'
  - Including Healthcare and Support Services

# "Rehabilitation for all: equality and inclusivity"

Key-terms:

What is Equality?





# "Rehabilitation for all: equity and inclusivity"

Key-terms:

What is *Inclusivity*?

Still normative?

# "Rehabilitation for all: equity and inclusivity"

#### Key-terms:

What is *Inclusivity*?

"We want to move towards a society where everyone can feel free. I also prefer to talk about <u>expansion</u> rather than inclusion. With inclusion, groups often have to fight their way into the existing society, but with expansion, society itself changes. Society creates space for underrepresented and marginalised groups."

## Key-terms revisited

## "Rehabilitation for all: equity and expansion"



Lee, D., Heffron, J. L., & Mirza, M. (2019). Content and Effectiveness of Interventions Focusing on Community Participation Poststroke: A Systematic Review. *Archives of Physical Medicine and Rehabilitation*, 100(11), 2179–2192.e1. <a href="https://doi.org/10.1016/j.apmr.2019.06.008">https://doi.org/10.1016/j.apmr.2019.06.008</a>. van Heijningen, V.G., Cardol, M., van Heijningen-Tousain, H.J.M., Oosterveer, D.M., van Markus-Doornbosch, F., Sattoe, J.N.T., van der Holst, M., & Hilberink, S.R. (2021). Aging with cerebral palsy: a photovoice study into citizenship. Frontiers in Neurology, 12, 729509. <a href="https://doi.org/10.3389/fneur.2021.729509">https://doi.org/10.3389/fneur.2021.729509</a>.

## Citizenship: A broad definition

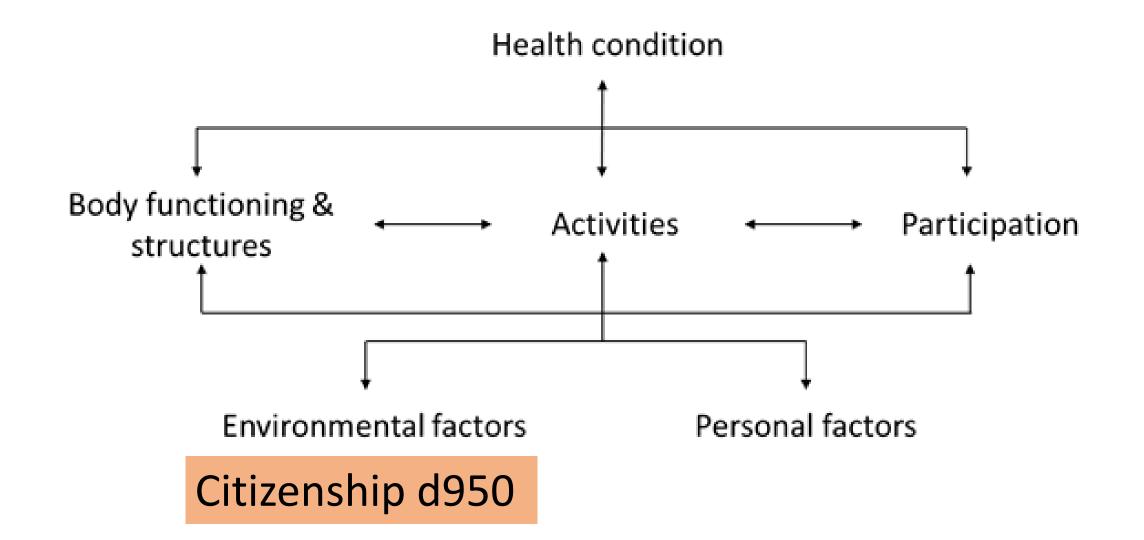
"A person being integral to their community, a person who both is valued and respected, and feels valued and respected within their community; a person whose inherent dignity as a human being is upheld; and a person whose uniqueness is not only recognized but is also considered a valuable contribution to a rich and dynamic societal fabric."

## Citizenship: A broad definition

 Today, I will discuss three themes how Rehabilitation Medicine can further contribute to citizenship

- Intimate relationships and Sexuality
- Preventive Medicine and Perinatal care
- Longterm care

#### Intermezzo: The ICF



# Participation and Personal Factors

# Intimate relationships and sexuality (1)

- Having a physical disability and its severity are related to being single
- Men with physical disabilities are more likely than women with physical disabilities to be single
- Women with physical disabilities have the same sexual needs and desires as women without disability, but their body image, sexual selfesteem and sexual satisfaction are significantly lower

Namatovu, F., Häggström Lundevaller, E., & Vikström, L. (2020). The impact of disability on partnership formation in Sweden during 1990-2009. The History of the Family, 25, 230-245. <a href="https://doi.org/10.1080/1081602X.2019.1692054">https://doi.org/10.1080/1081602X.2019.1692054</a>.

Taleporos, G., & McCabe, M.P. (2003). Relationships, sexuality and adjustment among people with physical disability. Sexual and Relationship Therapy, 18(1), 25-43. <a href="https://doi.org/10.1080/1468199031000061245">https://doi.org/10.1080/1468199031000061245</a>.

Moin, V., Duvdevany, I., & Mazor, D. (2009). Sexual identity, body image and life satisfaction among women with and without physical disability. Sexuality and Disability, 27, 83-95. https://doi.org/10.1007/s11195-009-9112-5.

# Intimate relationships and sexuality (2)

#### **Body Functions and Structures**

- Incontinence
- Erectile and lubrication problems
- Positioning

• ...

#### **Environmental factors**

- Taboo in rehabilitation
- Many centers lack policy
- Inaccessibility of sexual services

D'Andrea, S., Castellini, C., Paladino, V., Totaro, M., Felzani, G., Francavilla, S., Francavilla, F., & Barbonetti, A. (2020). Metabolic syndrome is the key determinant of impaired vaginal lubrication in women with chronic spinal cord injury. Journal of Endocrinological Investigation, 43(7), 1001–1007. <a href="https://doi.org/10.1007/s40618-020-01185-w">https://doi.org/10.1007/s40618-020-01185-w</a>. Verhoef, M., Lurvink, M., Barf, H.A., Post, M.W.M., van Asbeck, F.W.A., Gooskens, R.H.J.M., & Prevo. A.J.H. (2005). High prevalence of incontinence among young adults with spina bifida: description, prediction and problem perception. Spinal Cord, 43, 331-340. <a href="https://doi.org/10.1038/sj.sc.3101705">https://doi.org/10.1038/sj.sc.3101705</a>.

Çelik, D.B., Poyraz, E.Ç., Bingöl, A., Ìdiman, E., Özakbas, S., & Kaya, D. (2013). Sexual dysfunction in multiple sclerosis: Gender differences. Journal of the Neurological Sciences, 324, 17-20. <a href="https://doi.org/10.1016/j.ins.2012.08.019">https://doi.org/10.1016/j.ins.2012.08.019</a>.

Kruijver, E., & Bender, J.L. (2016). Een korte beschouwing op 20 jaar revalidatieseksuologie in Nederland. Is de revalidatie toe aan seks? Nederlands Tijdschrift voor Revalidatiegeneeskunde, 38, 185-187.

Pascual, A., Wighman, A., Littooij, E.C., & Janssen, T.W.J. (2021). Sexuality as part of rehabilitation? A qualitative study on the perceptions of rehabilitation nurses on discussing patient sexuality during clinical rehabilitation. Disability and Rehabilitation, 43(11), 1550–1557. <a href="https://doi.org/10.1080/09638288.2019.1670271">https://doi.org/10.1080/09638288.2019.1670271</a>. Benoit, C., Mellor, A., & Premji, Z. (2022). Access to sexual rights for people living with disabilities: Assumptions, evidence, and policy outcomes. Archives of Sexual Behavior, 1-

55. https://doi.org/10.1007/s10508-022-02372-x.

# Activities and Participation

# Intimate relationships and sexuality (3)

- Solo-sex
- Partnering
- Kissing
- Communication
- ...

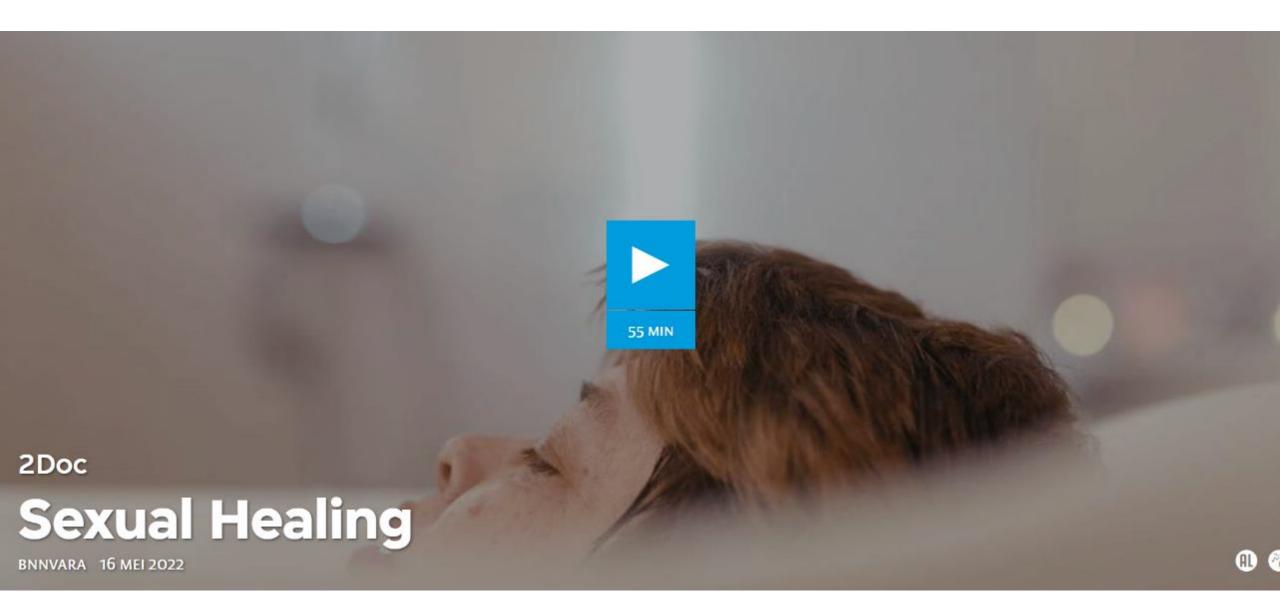


Pereira, H. (2021). Sexual behaviors and sexual perceptions of Portuguese adults with physical disabilities. Sexuality and Disability, 39(2), 275-290. <a href="https://doi.org/10.1007/s11195-020-09657-w">https://doi.org/10.1007/s11195-020-09657-w</a>.

Guyer, D.L., Misra, S., Birnbaum, A.E, Jones, J., & Ashford, M.O. (2020). 'I Can't Eat, Speak, or Kiss My Wife. It's Half a Life, but at Least I'm Still Alive.' Navigating the Sequelae of Head and Neck Cancer (TH307). J Pain Sym Man. 2020;50(2):P407-408. <a href="https://doi.org/10.1016/j.jpainsymman.2019.12.041">https://doi.org/10.1016/j.jpainsymman.2019.12.041</a>.

Zasler, N.D., Katz, D.I., & Zafonte, R.D. (2007). Brain Injury Medicine. New York, NY: Demos Medical Publishing.

Scott, K.M., & Hastings, J.A. (2021). Sexual Dysfunction and disability. Physical Medicine and Rehabilitation (pp. 431-446). Elsevier.



## Implications for rehabilitation

- Support marital quality and sexual health (policy)
- Addressing sexuality is a team effort (physician, nurse, occupational therapist, physiotherapist, speech therapist, sexuologist, ...)
- Advocate for better access to sexual services

Welten, J.J.E., Cox, V.C.M., van Eijk, R.P.A., van Heugten, C.M., Visser-Meily, J.M.A., & Schepers, V.P.M. (2023). The Effects of a Blended Care Intervention in Partners of Patients With Acquired Brain Injury - Results of the CARE4Carer Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, S0003-9993(23)00517-8. Advance online publication. <a href="https://doi.org/10.1016/j.apmr.2023.08.024">https://doi.org/10.1016/j.apmr.2023.08.024</a>.

Bryant, C., Gustafsson, L., Aplin, T., & Setchell, J. (2022). Supporting sexuality after spinal cord injury: a scoping review of non-medical approaches. Disability and Rehabilitation, 44(19), 5669-5682. https://doi.org/10.1080/09638288.2021.1937339

Meesters, J.J.L., Van de Ven, D.P.H.W., Kruijver, E., Bender, J., Volker, W.G., Vliet Vlieland, T.P.M., & Goossens, P.H. (2020). Counselled patients with stroke still experience sexual and relational problems 1–5 years after stroke rehabilitation. Sexuality and Disability, 38(3), 533-545. <a href="https://doi.org/10.1007/s11195-020-09632-5">https://doi.org/10.1007/s11195-020-09632-5</a>.

Ek, A.S., Holmström, C., & Elmerstig, E. (2023). Unmet Need for Sexual Rehabilitation after Acquired Brain Injury (ABI): A Cross-Sectional Study Concerning Sexual Activity, Sexual Relationships, and Sexual Rehabilitation after ABI. Sexuality and Disability, 41(2), 387-410. <a href="https://doi.org/10.1007/s11195-023-09788-w">https://doi.org/10.1007/s11195-023-09788-w</a>.

Campbell, M. (2017). Disabilities and sexual expression: A review of the literature. Sociology Compass, 11(9), e12508. https://doi.org/10.1111/soc4.12508.

#### **Environmental factors**

#### Access to preventive medicine

- Access to routine check-ups affects all preventive services independent of disability level
- Young adults with disabilities report more unmet health needs
- Women with disabilities receive fewer cervical screening and clinical breast examinations

Diab, M.E., & Johnston, M.V. (2004). Relationships between level of disability and receipt of preventive health services. Archives of Physical Medicine and Rehabilitation, 85(5), 749-757. https://doi.org/10.1016/j.apmr.2003.06.028.

Callahan, S.T., & Cooper, W.O. (2006). Access to health care for young adults with disabling chronic conditions. Archives of Pediatrics & Adolescent Medicine, 160(2), 178-182. <a href="https://doi.org/10.1001/archpedi.160.2.178">https://doi.org/10.1001/archpedi.160.2.178</a>.

Pharr, J.R., & Bungum, T. (2012). Health disparities experienced by people with disabilities in the United States: a Behavioral Risk Factor Surveillance System study. Global Journal of Health Science, 4(6), 99. <a href="https://doi.org/10.5539/gjhs.v4n6p99">https://doi.org/10.5539/gjhs.v4n6p99</a>.

"My first mammogram was a disaster, mainly due to the attitude of one of the professionals involved. (...) The radiologist was just obnoxious in many ways but the final straw was when she shouted that my PA [personal assistant] must remain in the waiting room. I tried to explain and she shouted again. I became tearful so left. When calm, I talked to a receptionist in a different part of the building who offered to go back with me to ask they talk with me respectfully. Mrs Obnoxious announced she had already written to her boss in case I complained!"

# **Body Functions and Structures**

# Pregnancy and disabilities (1)

- Poorer preconception physical health
- Urinary tract and bladder problems
- Shortness of breath

- Increase of spasticity
- Bowel management difficulties
- Stability problems and falls

#### **Environmental factors**

- Wheelchair fit reduces mobility and compromise safety
- Wheelchair and home adaptations for newborn

lezzoni, L.I., Wint, A.J., Smeltzer, S.C., & Ecker, J.L. (2015). Effects of disability on pregnancy experiences among women with impaired mobility. Acta Obstetricia et Gynecologica Scandinavica, 94(2), 133–140. <a href="https://doi.org/10.1111/aogs.12544">https://doi.org/10.1111/aogs.12544</a>.

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Wint, A.J., Smith, D.L., & Iezzoni, L.I. (2016). Mothers with physical disability: Child care adaptations at home. The American Journal of Occupational Therapy, 70(6), 7006220060p1-7006220060p7. https://doi.org/10.5014/ajot.2016.021477.

# Pregnancy and disabilities (2)

- Lack of support from healthcare providers
- Difficulty transferring onto fixed-height examination tables
- Being examined while sitting in their wheelchairs
- Not being routinely weighed on an accessible weight scale by their prenatal care clinicians

lezzoni, L.I., Wint, A.J., Smeltzer, S.C., & Ecker, J.L. (2015). Physical Accessibility of Routine Prenatal Care for Women with Mobility Disability. Journal of women's health (2002), 24(12), 1006–1012. <a href="https://doi.org/10.1089/jwh.2015.5385">https://doi.org/10.1089/jwh.2015.5385</a>.

Malouf, R., Henderson, J., & Redshaw, M. (2017). Access and quality of maternity care for disabled women during pregnancy, birth and the postnatal period in England: data from a national survey. BMJ open, 7(7), e016757. <a href="https://doi.org/10.1136/bmjopen-2017-016757">https://doi.org/10.1136/bmjopen-2017-016757</a>.

# **Body Functions and Structures**

## Pregnancy outcomes and disability

- More often pre-term births
- More often low birth weight babies

- Women with orthopedic conditions
  - Less often spontaneous birth
  - More often planned Cesarean birth

study in the Netherlands. Midwifery, 118, 103572. https://doi.org/10.1016/j.midw.2022.103572.

More often emergency Cesarean birth



## Implications for rehabilitation

- Advocate for accessible preventive measures
- Cooperation with and education of perinatal professionals
- Pro-actively inform women with disabilities and timely help to make arrangements (to train skills and organize adaptations/support)

van der Vliet-Torij, H.W.H., van Heijningen-Tousain, H.J., van Heijningen, V.G., Schildmeijer-Ruesink, M.C., Folkertsma, T. W., Rosman, A.N., & Hilberink, S.R. (2023). Equipping future professionals in supporting pregnancy, childbirth, and parenthood with a physical disability. European Journal of Midwifery, 7(Supplement 1). https://doi.org/10.18332/ejm/172263.

Hinton, C.F., Kraus, L.E., Richards, T.A., Fox, M.H., & Campbell, V.A. (2017). The guide to community preventive services and disability inclusion. American Journal of Preventive Medicine, 53(6), 898-903. <a href="https://doi.org/10.1016/j.amepre.2017.06.025">https://doi.org/10.1016/j.amepre.2017.06.025</a>.

Tarasoff, L.A. (2015). Experiences of women with physical disabilities during the perinatal period: a review of the literature and recommendations to improve care. Health Care for Women International, 36(1), 88-107. https://doi.org/10.1080/07399332.2013.815756.

#### **Environmental factors**

## Access to longterm care

- The decentralization of longterm care results in fragmentation
- 25% of persons with disabilities have been confronted with extra barriers with regard to access to personal care and support services
- Adequate support is in some cases withheld
- Application procedures are cumbersome and sometimes redundant
- Re-applying for care and support is stressful and hampers continuity

Bredewold, F., Duyvendak, J.W., Kampen, T., Tonkens, E., & Verplanke, L. (2018). De verhuizing van de verzorgingsstaat. Amsterdam: Uitgeverij van Gennep. SCP. (2018). Veranderende zorg en ondersteuning voor mensen met een beperking. Landelijke evaluatie van de Hervorming Langdurige Zorg. Den Haag: Sociaal Cultureel Planbureau.

Waverijn, G., & Marangos, A.M. (2016). Bekendheid en eerste ervaringen met de Wmo2015 van mensen met een lichamelijke beperking. Utrecht: NIVEL. Alriksson-Schmidt, A.I., Jeglinsky, I., Jonsdottir, G., Kedir Seid, A., Klevberg, G., Buschmann, E., & Jahnsen, R. (2021). Living life with cerebral palsy? A description of the social safety nets for individuals with cerebral palsy in the Nordic countries. Scandinavian Journal of Public Health, 49(6), 653–665. https://doi.org/10.1177/1403494820974564.

## Access to longterm care











Netwerk voor mensen met een beperking of chronische ziekte

## Take home messages

#### Expansion

- Bring rehabilitation to other medical professions to improve the quality of care, including perinatal care and preventive medicine
- Implement policies for sexual health (in couples and access to sexual services)
- Get involved in the public debate on accessible society and longterm care



# Questions

