# Empowering wheelchair users to reduce wheelchair related health problems Linda Valent<sup>1</sup>, Marjo Jansen<sup>1</sup>, Alyson Warland<sup>2</sup>, Elmar Kal<sup>2</sup>, Claire Kelly<sup>3</sup>, Willemijn Faber<sup>1</sup>

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Screening tool for wheelchair users (and health professionals); see also poster 154

Work in progress screening tool:
Dutch version; >1000 patients (not only SCI)



**To gain insight** in wheelchair-related (health) problems, functioning and possible solutions

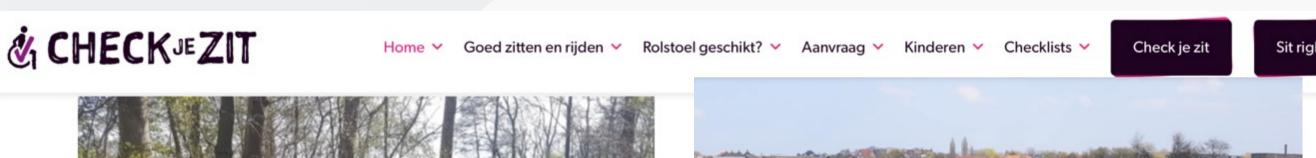
### How?:

### By filling out a smart screening tool



English version





- Also available in English
- Spanish (under construction)
- Which language is next ?

### Where are we looking for?: International partners: rehab units patient organisations



WE WANT YOU!

## International goals: 1) More countries using tool in own language

2) Collaboration in research:



#### What is optimal sitting and rolling?

The basic principes of proper sitting and rolling are explained. What do you need to know about your own body in relation to the wheelchair and usage requirements.

This knowledge helps to determine the requirements for your wheelchair. Take a look at the videotips of the rolmodel.



#### How suitable is your wheelchair?

Use the Checklists to prepare for a (new) wheelchair application: Do you know your needs and requirements for the wheelchair? Are your functional goals achievable with your wheelchair (set-up)? Is the wheelchair properly adjusted to your needs?

Are you curious if sitting and rolling in your wheelchair is optimal?

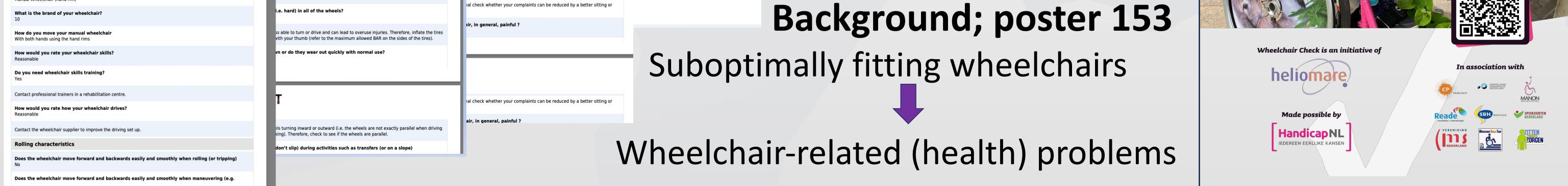
### Personalised report (pdf can be dow not be down to be down the best of the point of the best of the point of the best of the bes

			in the wheelchair.	
loaded): an exam		e Zit — WordPress	🔥 http	S://WWupport/pressure in your wheelchair?
Seat dimensions				ther your complaints can be reduced by a better sitt
Maintenance whee	lchair		( and cushion) optimal? ne with my seated hip breadth	ion in your wheelchair?
Do the large wheels sit firmly in the axle? (i.e. when pulling on the wheels they stay firmly connected)		:imal? ttocks against the back rest because of the (too) large seat depth	nsultant/professional.	
Ś CHECK JE ZIT	Have this repaired immediately.		optimal for your buttocks and thighs? It all	ng position could be improved?
15/09/2023 In this report you will find all your personal sitting- and driving wheelchair problems (and tips) clearly displayed. Bring this report to your wheelchair supplier, consultant, or other professionals (occupational therapists and physical therapists). The information in this report may help all involved to solve your problems. Be aware that possible solutions may have pros and cons. It is important to discuss all pros and cons of suggested solutions. In the end, the most important is that you are satisfied with sitting and driving your wheelchair.	wheels (or broken spokes)?		the wheelchair?	
	ss able to turn or drive properly and can lead to overuse injuries. Therefore, have it		Ichair?	γ of your wheelchair(s)?
	wheels and front caster wheels) rotate smoothly in their axles?		obients with transfers of other activities.	nal.
			right in the wheelchair? .g. tend to slide, fall off)	sible, about your manual wheelchair? d in relation to my arms/shoulders
What is your age? 36	ss able to turn or drive properly and can lead t) around the axles, and also check the ball b		n rests optimal? ow (e.g. to support my arms or to lift buttock)	ovement needs both indoors and outdoors?
Are you male or female? Female	ing bolts) of both front wheels (i.e. casters) turn properly?			hal.
			r, in general, tiring ?	rove your ability to move?
What diagnosis do you have? Spinal Cord Injury (Tetraplegia) How many years have you been using a wheelchair? 5	ss able to turn or drive properly and can lead to overuse injuries. Therefore, check t for dirt or wear. ring bolts) of both front wheels (i.e. casters) vertical?			vhen driving my wheelchair
			hal check whether your complaints can be reduced by a better sitting or	
				skills.
What type of wheelchair do you mainly use?	left-right deviation and/or difficulty turning.	herefore, have the stem bolts	ir, in general, tiring	
Manual Wheelchair (hand rim)			val check whether your complaints can be reduced by a better citting or	

### comparing between countries

### **3)** Developing international website WHEELCHAIRCHECK.COM in all languages (under construction)





sitting or driving position

of this data for research. The data will not be personally identifiable

Participating

partners









Royal National Orthopaedic Hospital NHS Trust