

# Satisfaction with sitting posture varies between wheelchair users with different diagnoses

Linda Valent, Janneke Nachtegaal, Ellen Kaandorp, Liesbeth Bosma, Marjo Jansen, Willemijn Faber Heliomare rehabilitation, Wijk aan Zee, The Netherlands

> L.Valent@heliomare.nl

#### Introduction

Wheelchair With Check screening tool, the wheelchair users can check if their wheelchair is well adjusted to their physical and functional needs.

WHEELCHAIR

Lacking support e.g. in the (lower) back, at my chest, neck or head, below the buttocks:

(43%) TP (34%)





#### Objective

To compare satisfaction with sitting posture between wheelchair users with different diagnoses.

#### Methods

Descriptive analyses of a database of wheelchair users who completed the Dutch version of the screening tool.

CVA (50%) MS (69%) MD (66%) SB (46%) CP (55%) LA (44%)



### Discussion

The proportion of dissatisfied wheelchair users appeared large, especially in CVA, MS and MD. Lacking support of the wheelchair was most prominent in Multiple Sclerosis and Muscular Disease. Possibly a deteroriation in physical functioning is responsible, which causes changing needs (e.g. more support) in the wheelchair.

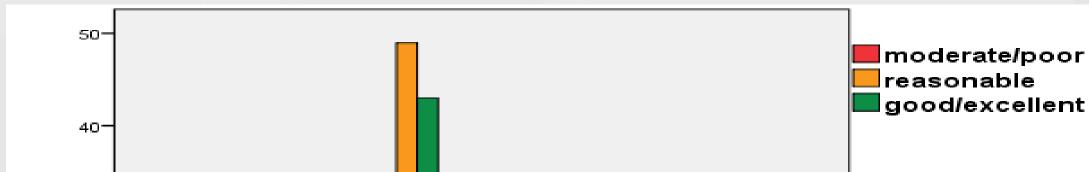
#### Patients:

Paraplegia (PP); n=118 and Tetraplegia (TP); n=47, Cerebral Vascular Accident (CVA); n=32, Multiple Sclerosis (MS); n=42, Muscular Disease (MD); n=67, Spina Bifida (SB); n=24, Cerebral Palsy (CP); n=22, Leg Amputee (LA); n=27.

#### Results

#### **Dissatisfied with sitting** (% within diagnosis): PP (62%), TP (55%), CVA (84%), MS (79%), MD (81%), SB (63%), CP (64%), LA (70%).

#### How would you rate your sitting posture in your wheelchair?



## **Clinical Message**

A regular check of physical and functional needs is necessary to adapt wheelchairs in time to changing needs;

due to progressive conditions or other factors e.g. growing, ageing

The screeningtool Wheelchair Check may be helpful for your clients/patients to gain insight in their own problems.





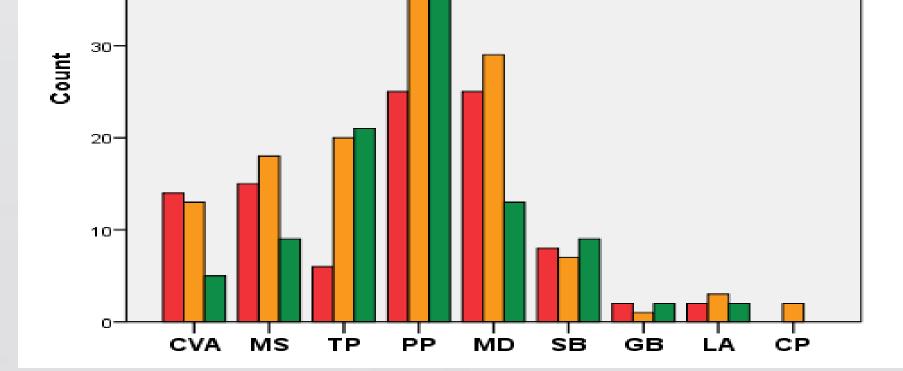
#### Why Use This Screening Tool?

It is not always easy to determine if your wheelchair is optim sed for your needs

and how you can address these! It can be used both for el

## Let them





Once all questions in the tool are answered, users can down load their personalised screening report.

This report can then be reviewed with your wheelchair provider and occupationaltherapist or physiotherapist

Currently available in English, Spanish, German and Dutch, with Norwegian translation underway, additional languages will be added in the future.







WHEELCHAIR *ACHECK*