

SHOWERING SOLUTIONS

CREATE A SAFE, EFFICIENT AND
DIGNIFIED CARE ENVIRONMENT

ARJOHUNTLEIGH

GETINGE GROUP



...with people in mind

REAL NEEDS AND EVERYDAY REALITY

Every day, bed-baths compromise the dignity and safety of patients and caregivers, but still remain common practice in many care facilities. Assisted showering routines are often performed using uncomfortable fixed-height shower chairs. These daily hygiene routines are considered the most high-risk tasks performed by caregivers.

When using fixed-height shower chairs and trolleys, the load on the musculoskeletal system of the caregiver is highest. Showering a patient or resident in a fixed-height chair increases static load and the risk of back injury and pain. Likewise, washing in bed puts strain on the caregiver's back and neck, forcing them to lean over the width of the bed to access their patient or resident.




MORE THAN 30%
OF THE INJURIES CAUSED IN THE BATHROOM
HAPPEN WHILE BATHING, SHOWERING
OR GETTING OUT OF THE BATH OR SHOWER



Source: CDC/Centre for Disease Control and Prevention, 2011



69% OF CAREGIVERS
CONTINUALLY WORK IN AN UNHEALTHY
POSITION WHILE WASHING
AND SHOWERING RESIDENTS



Source: Quantitative Measurement of Stressful Trunk Postures in Nursing Professions, Oxford University Press, 2007.

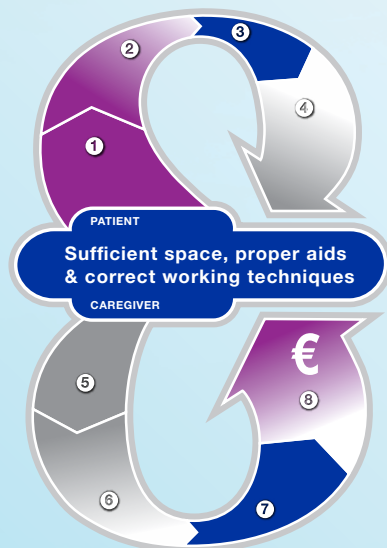
A TOTAL APPROACH TO IMPROVING CARE

Providing safe, comfortable and dignified assisted hygiene routines is essential for the quality of life of patients and residents in care facilities. Caregivers have a right to perform these everyday tasks without the constant risk of strain or injury.

Results show that the most effective way to address the needs of caregivers is to provide them with the proper equipment for all patient and resident mobility levels, and to introduce the right working routines.¹

Promoting mobility is the driving force behind the *Positive Eight*[™] – our proven philosophy for generating long-term benefits for patients, caregivers and care facilities. Investing in sufficient space, optimal aids and best caregiving practice provides the best conditions to promote patient mobility, which reduces assistance needs and improves staff productivity. Ultimately, this enhances the quality of care and enhances financial outcomes for care facilities.

The *Positive Eight* philosophy visualizes the potential positive effects for both the caregiver and patient arising from investment in improved patient handling.



STAGES

- 1) The core pre-requisites improve the early mobilization of patients.
- 2) Improved vital bodily functions, such as the heart, lungs, circulation, skin and musculoskeletal system.
- 3) Reduced immobility acquired complications such as pressure ulcers, thrombosis, neuromuscular dysfunction, impaired pulmonary function, UTI and risk of falls.
- 4) Improved rate of patient recovery and quality of life. Decreased length of hospital stay.
- 5) Reduced need for assistance through more mobile less dependent patient.
- 6) Reduced strain on the staff resulting in fewer related injuries will improve staff productivity.
- 7) Better physical and psychological well-being health of staff will improve retention as a result of less sick leave and turnover.
- 8) Improved quality of care outcomes with improved financial outcomes for hospital.

For further info please visit www.arjohuntleigh.com

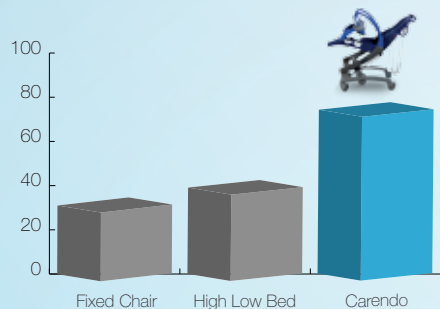
1) Knibbe NE and Knibbe HJJ, Postural Load of nurses During Bathing and Showering Patients: Results of a Laboratory study, Professional Safety, Journal of the American Society of Safety Engineers, Nov. 1996.of patients".

A BETTER ALTERNATIVE FOR DAILY HYGIENE

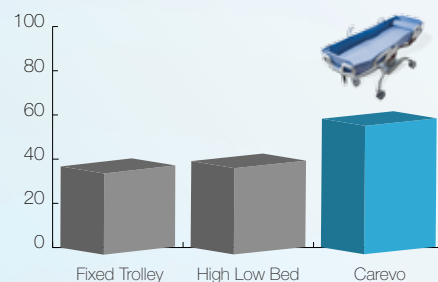
ArjoHuntleigh hygiene systems are designed to raise the standard of care, reduce injuries in care environments and make hygiene tasks comfortable, efficient and dignified. Our showering solutions are developed with people in mind, to meet both the practical and emotional needs of patients and residents, their mobility levels, and the needs of their caregivers.

For many residents and patients assisted hygiene routines consist of being washed in bed or showered on a fixed-height shower chair. Maintaining personal dignity during assisted hygiene routines is extremely important. Some existing methods are not only uncomfortable for patients and residents, but also place unnecessary strain on caregivers. A safer, more efficient alternative is available. Height adjustable hygiene solutions allow caregivers to provide effective and dignified care while reducing strain and static load.

PERCENTAGE OF TIME SPENT IN A HEALTHY WORKING POSTURE



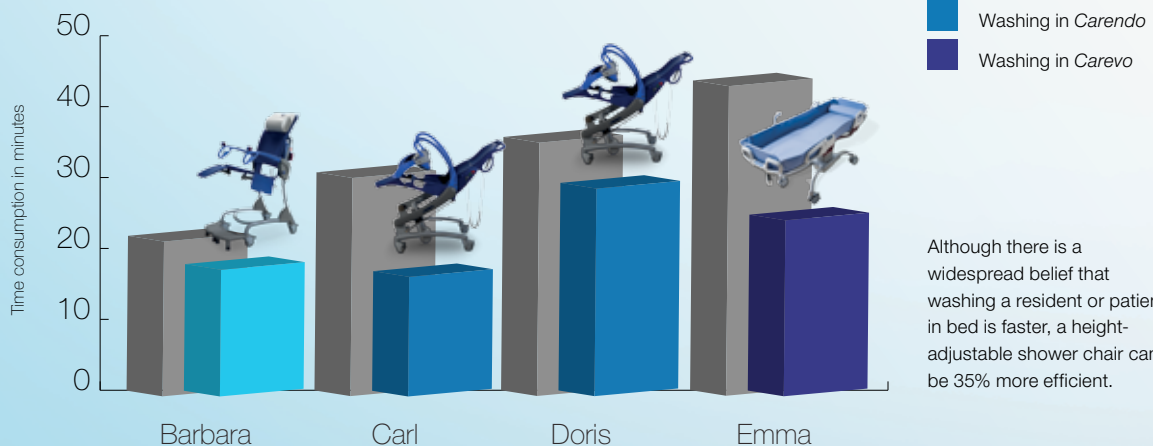
Caregivers spend 75% of their time in a healthy position when using a height-adjustable hygiene chair.



A height-adjustable shower trolley is an excellent aid when showering recumbent and more fragile residents and patients, who can be transported to and from the shower area without any lifting.

Source: Knibbe NE, Knibbe JJ, Postural load of nurses during bathing and showering of patients: Results of a laboratory study, Professional Study, 1996 Nov: 37-39.
Brinkhoff A, Knibbe NE, The Ergostat program, pilot study of an ergonomic intervention to reduce static loads for caregivers, Professional Safety, 2003.
Knibbe et al, How Smart is the Carevo®? Results of a Study on a New Shower Trolley Generation; The Ergonomics Open Journal 2013, 6, 1-5.

TIME SAVING

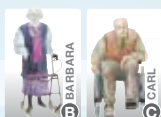


Although there is a widespread belief that washing a resident or patient in bed is faster, a height-adjustable shower chair can be 35% more efficient.

Source: Schimmel G, Knibbe NE, The Smart Shower Chair, Final Report of the Zorg voor Beter (Better Care) Smart Shower Chairs project, 2005.

COMPREHENSIVE SOLUTIONS FOR ALL MOBILITY LEVELS

By matching the needs of patients and residents ArjoHuntleigh can provide a comfortable, dignified and efficient showering experience and a level of support designed to maintain and, where possible, promote mobility.



MOBILITY GALLERY

TRANSFER

Ambulatory resident	✓	✓	
Sitting side transfer (bed/chair)	✓		
Active lift*	✓	✓	
Passive lift*		✓	✓
Ceiling lift		✓	✓
Horizontal bed transfer			✓

TRANSPORTATION

Upright sitting position	✓	✓	
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SHOWERING PROCESS

Complete undressing		✓	
Single-handed (staff)	✓	✓	
Whole body accessibility		✓	✓
Ergonomic hairwash	✓	✓	✓
Ergonomic pedicure**	✓	✓	✓
Complete drying		✓	✓
Completed dressing		✓	

TOILETING

Over toilet	✓	✓	
With bedpan	✓	✓	
Changing incontinence pads		✓	

* The difference between an active and a passive lifter is the amount of support it will give the resident. An active lifter will require some leg strength and upper body stability while passive lifters can handle a completely passive resident.
** Carino can also be suitable for Alberts who can find it hard to reach their own feet for hygiene, pedicure and drying.



CARINO

Carino™, a versatile height-adjustable hygiene chair, makes assisted showering comfortable and efficient. It offers a safe and dignified care solution for showering and other hygiene routines, while minimising risk for caregivers.

Because of the arc shaped frame, the higher the chair is raised the more it will lean back. This gives the caregiver easy access to the resident's entire body while toileting and showering.

The foot, leg, and arm rests are designed to provide maximum comfort and a safe ergonomic working position during toileting, showering and pedicures.

RECLINE IN COMFORT

The patient or resident is supported securely and comfortably in the reclined position and has good eye contact with the caregiver.

HEIGHT-ADJUSTABILITY

Caregivers can always work at the correct working height by using the handset to adjust the seat height.

GOOD ACCESS

The seat's open design enables efficient toileting and provides enhanced access for hygiene tasks.

EASY MANOEUVRING

Integrated ergonomic grips and handles make *Carino* very easy to drive and manoeuvre.



TOILETING



DRESSING WOUNDS



SWING AWAY LEGRESTS FOR ADJUSTED POSITIONING



CARINO



Compared to a fixed alternative, a height-adjustable shower chair increases working time in a healthy posture by **94%**

Source:
Knibbe NE, Knibbe JJ. *Postural load of nurses during bathing and showering of patients: Results of a laboratory study*, Professional Safety, Journal of the American Society of Safety Engineers. 1996 Nov: 37-39.

BARBARA & CARL

Carino hygiene chair from ArjoHuntleigh has been developed with more able residents in mind, such as Barbara and Carl, and provides comfort and safety for this group of residents.





CARENDO

Carendo™ enhances patient and resident quality of life by making assisted showering and other hygiene routines safe and comfortable. The *Care Raiser*™ function provides a dignified solution for hygiene tasks such as dressing, undressing and changing incontinence pads.

Carendo allows a single caregiver to address all hygiene needs without of assistance or additional equipment:

- Hair washing
- Showering
- Change of incontinence pads
- Dressing & Undressing
- Foot care
- Avoid half-/undressed transports
- Toileting
- Band Aid changing
- Managing Compression Stockings

SENSITIVE HYGIENE TASKS

The unique *Care Raiser* function elevates the lower body of the patient or resident to enable easy and discreet access for sensitive hygiene tasks.

COMPLETE CONTROL

Using the handset gives the caregiver control of all powered features – raising and lowering, reclining and the *Care Raiser* function.

OPTIMUM SUPPORT

The high backrest and sturdy armrests provide optimum support even for patients and residents with reduced upper body stability.



PEDICURE



CHANGING INCONTINENCE PADS



HAIR WASHING



CARENDO



Performing daily hygiene tasks using Carendo decreases time used by

59%

Source:
Knibbe et al, *Saving time using height-adjustable chairs versus bed washing. Focus on the time factor.* CORPUS, 2005.

CARL & DORIS

The Carendo multi-purpose hygiene chair is developed for assisting Carl and Doris in daily hygiene routines.





CAREVO

Carevo™ offers caregivers an improved working solution to make hygiene tasks simple and efficient. With a new and innovative design that allows greater access to immobile patients and residents, Carevo sets a new standard in dignified care.

Passive patients and residents with contractures are difficult to handle in any type of sitting device. The stability of their upper body is not sufficient and the skin/bone pressure can be too heavy.

Carevo is an excellent aid when showering recumbent and fragile patients and residents, such as Emma, who can be transported to and from the shower area without any lifting.

SAFETY

Innovative ergo-access area allows closer proximity to the patient, reduces static load and makes routines more time-efficient.

PARTICIPATION

Easy-to-grip comfort handles provide support, enhance the patient's sense of security and promote participation and mobility.

EFFICIENCY

The integrated control panels are simple intuitive and accessible at all times for optimal work efficiency.

COMFORT

The advanced flexi zone Improves patient comfort and hip support, relieves pressure and makes handling and access easier for the caregiver.



EASY-TO-GRIP COMFORT HANDLES



ADVANCED FLEXI-ZONE



INNOVATIVE ERGO-ACCESS AREA



CAREVO



Introduce Carevo to your care environment and improve caregiver safety by

19%

Source:
Knibbe et al. *How Smart is the Carevo®? Results of a Study on a New Shower Trolley Generation.*
The Ergonomics Open Journal 2013, 6, 1-5.

EMMA

Carevo shower trolley is designed for the most passive, dependant and immobile patients and residents such as Emma.



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GETINGE GROUP is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, GETINGE and MAQUET. ArjoHuntleigh focuses on patient mobility and wound management solutions. GETINGE provides solutions for infection control within healthcare and contamination prevention within life sciences. MAQUET specializes in solutions, therapies and products for surgical interventions and intensive care.

Only ArjoHuntleigh designed parts, which are designed specifically for the purpose, should be used on the equipment and products supplied by ArjoHuntleigh. As our policy is one of continuous development we reserve the right to modify designs and specifications without prior notice.

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