

# Person-Centred Care: The TurnCair 1000 Surface and Bari 10A Bed Reduced Risks and Improved Outcomes for a Patient and Staff

- ↑ Early in-bed mobilisation preventing complications
- ↓ Reduced staff required for manual handling by 50%
- ↑ Improved patient dignity, comfort and pain management

## Introduction

Maggie\* (age 71) was admitted to hospital as she was becoming increasingly drowsy and difficult to rouse, with falling oxygen saturation levels. She weighed 254kg on admission, and had a number of comorbidities:

- Type 2 diabetes
- Sleep apnoea requiring CPAP
- Long-term hypoxia requiring continuous oxygen therapy at home

She was bed bound at home, with a package of care. Four carers were needed to turn her in bed and carry out personal hygiene at home and on admission to hospital.

On admission, Maggie had moisture lesions on her torso and under both breasts. Her heels and back were red in some areas and blanching in others and vulnerable to damage.

*\*Maggie is not the patient's real name*

## Clinical Challenges

Maggie's condition needed to be monitored and stabilised whilst keeping her as comfortable and pain-free as possible. It was also very important that she was kept as mobile as possible within the bed so that complications of immobility weren't exacerbated, along with existing comorbidities.

She needed a bed and mattress that could safely accommodate her weight and shape. She also needed a surface that could help heal her skin, prevent any further skin breakdown and provide comfort. It was important from the staff perspective that the equipment could help them care for her in the safest way possible, to reduce risk of injury to both them and Maggie.

Medstrom's Clinical Advisor commented:

"When I got the call about Maggie, it was clear that **she needed specialist equipment as soon as possible**, or she'd be at real **risk of deteriorating** further. I made my way to her straight after that call. I carried out an assessment and got the equipment **delivered and in use all on the day of her admission**, so she could start to **benefit from it immediately**."



## Patient Objectives

- Monitor condition, stabilise and resolve
- Maintain mobility within the bed to prevent complications of immobility and existing comorbidities becoming worse
- Heal existing and prevent further skin damage
- Comfort and pain management
- Improve patient's condition sufficiently to allow discharge home

## Introduction of Medstrom's Bariatric Equipment Package

A package of bariatric equipment was provided to allow easier repositioning of Maggie, which helped with pain management, comfort and prevention of complications of immobility including skin damage. It was also selected to help reduce moving and handling risks for caregivers:

**Bari10A Bed:** The Bari10A bed has a safe working load of 475kg and the platform sections widen individually, giving a maximum platform width of 122cm (compared to approximately 90cm for a standard hospital bed). This provides extra space for the patient, but also means caregivers can shorten a section if they want to get closer to the patient to deliver care. This, along with the bed's top height of 86cm, makes caring for the patient safer and easier, reducing injury risks. A one-button cardiac chair enabled Maggie to sit up, offering both physical and psychological benefits.



**TurnCair 1000 Low Air Loss Surface:** This provides a high specification of support surface for pressure redistribution, plus a TurnAssist feature that enables safe and dignified handling of patients and aids respiratory management. The low air loss therapy helped to keep Maggie's skin drier and cooler, preventing further skin breakdown and helping existing damage to heal.

Following the equipment installation and training on its optimal use from Medstrom, caregivers found repositioning became a lot easier with reduced manual handling.

As Maggie's clinical condition began to improve, the bed and surface combination helped to increase her independence. She could move herself on the bed using the electric controls, and due to the turning assistance given by the surface, the number of carers required to turn her reduced from four to two. This was more comfortable and dignified for Maggie, and safer for staff.

Maggie stayed in hospital for 19 days in total, after which she was discharged home. All objectives for her were met; her drowsiness had resolved, she'd maintained mobility within the bed and was comfortable with reduced pain. Existing skin damage was healing and there was no new damage.

The 50% reduction in staff required to turn Maggie, as well as being much more pleasant for her, also helped to reduce costs and stretch resources further. This is particularly important in wards which are already short staffed and under pressure.



**Mobility Maintained**



**Comfort**



**Complications Prevented**

## Summary

Prompt provision of the right equipment and ensuring that it was being used correctly was key to achieving the objectives for Maggie; it allowed her to be nursed comfortably and safely, helped prevent complications of immobility and gave her increased independence.

The equipment, in addition to providing clinical benefits and comfort, also enabled Maggie to move herself independently. When she did need help, repositioning became a lot easier thanks to the turning surface. The bed and surface combination enhanced dignity and enabled Maggie to be more independent.

The ward manager in charge of Maggie's care commented:

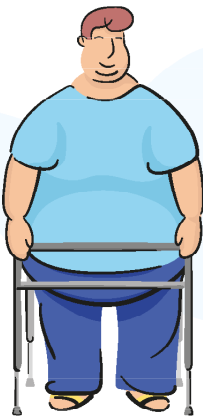
"We are **very happy with the service we've received from Medstrom**. The training let us **make the most of the equipment**, and being **able to halve the number of nurses and HCAs needed to turn Maggie** was an **excellent outcome for both her and us.**"

A few days before discharge, Maggie commented to Medstrom's Clinical Advisor:

"**I feel secure** on the bed, and using the controls allows me to **move freely** and **gives me more independence**. The **mattress really helps the nurses to change my position**. This is a **comfort to me** as it helps **reduce pain** and makes me feel **less self-conscious.**"



**Increased Independence**



**Reduced Pain**



**Improved Dignity**



**To discover more about Medstrom's range of solutions for dignified plus-size patient care and enhanced support for caregivers, contact Medstrom's Bariatric Product Specialists 24/7/365 on:**

**UK: 0845 371 1717 or [info@medstrom.co.uk](mailto:info@medstrom.co.uk) IRE: 01 686 9487 or [info@medstrom.ie](mailto:info@medstrom.ie)**