

Evaluating the effectiveness of a dynamic mattress replacement system (Dual Community– Shelden Healthcare LTD) in a community and care home setting.

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Introduction

There is an increasing plethora of Pressure Ulcer mattress systems available and making the selection of the most appropriate for care home and community based clients can be a challenge for any clinician when considering overall effectiveness and value for money.

Aim

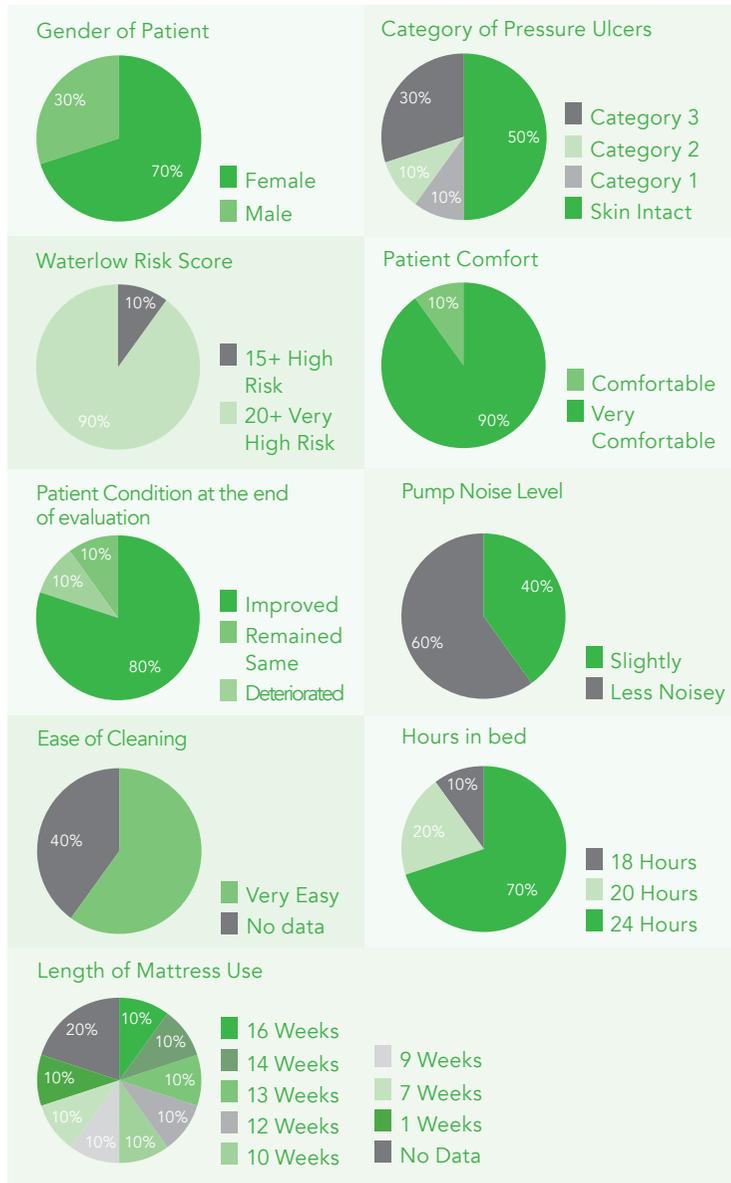
This small 10 patient pilot evaluation study was undertaken to identify whether the Dual Community Mattress replacement system was suitable for the specific multi – complex needs of clients within a community and care home environment and a safe and cost effective alternative system to those more expensive currently in use.

Method

The authors developed a data collection tool and agreed on the evaluation parameters that needed to be considered. These included:

- Age
- Gender
- Previous equipment used
- Category of Pressure Ulcer (if any)
- Hours spent in bed
- Waterlow risk assessment score
- Period of time the dual community was evaluated for on each client
- Clients skin condition post evaluation
- Clients comment on mattress comfort
- Ease of getting in and out of bed
- Pump noise
- Quality of the installation engineer
- Ease of mattress cleaning

Results



Discussion

This pilot data has provided some very positive feedback. The findings included; the Dual community mattress replacement system was quiet when in use, comfortable, easy to use and clean and all clients that were deemed to be of very high risk of developing tissue damage, or with existing pressure damage showed an improvement to their skin condition and pressure damage whilst nursed on the dual community mattress replacement system.

The preliminary results suggest that the Dual Community system offers clinical and financial advantages for those in the community and care home setting

References

- Grothier L, Bradley D (2014) Evaluation of a dynamic mattress replacement system within a community setting. J Community Nurs 28(5): suppl 1–8
- Halford L (2013) Evaluation of a cost effective dynamic mattress replacement system (Dual). Poster presentation wounds uk, Harrogate