

# Sharpsmart:

## 28% Waste Reduction

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**“Sharpsmarts contribute significantly to healthcare waste reduction strategies.”**

- Authors

### What was the study?

The weight of disposable single-use sharps containers account for a significant portion of plastic in the sharps waste stream of healthcare facilities.

The Study **‘28% Waste Reduction with Sharpsmart Safety Device - a 5 year, 103 Hospital Study’** examined the impact of 103 hospitals converting from disposable sharps containers to a reusable sharps containment device (Sharpsmart) in terms of waste reduction and reduction in container exchange labour.

### What were the results?

Conversion to the Daniels Sharpsmart system resulted in:

- 28% waste reduction
- Total waste reduced by 3.9 tonnes of waste per 100 beds per annum (3.5 tonnes of plastic and 0.4 tonnes of cardboard waste)
- 51% reduction in container exchange labour with the larger Sharpsmart collectors.

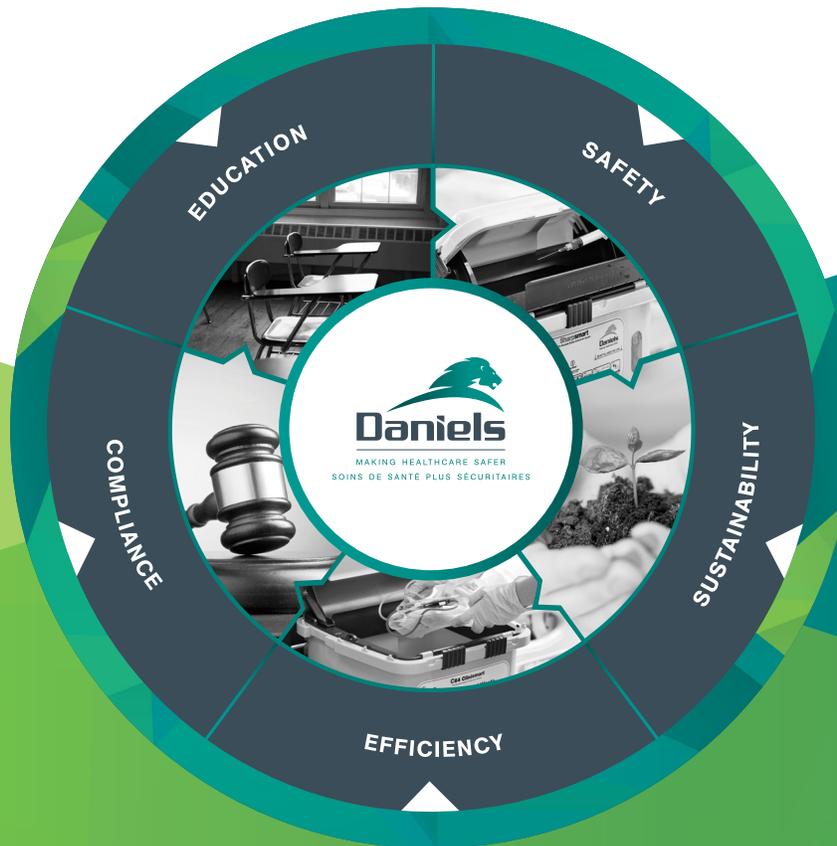
### What does this mean for you?

This study demonstrates that substantial waste reduction opportunities exist for facilities by converting from disposable sharps containers to the reusable and more sustainable Daniels Sharpsmart.

The labour efficiencies of the Sharpsmart system provide opportunities to divert staff time from container exchange to other essential activities, reduce patient interruptions, and reduce injury through fewer container exchanges.



Data for this study was gathered on weights of the disposable sharps containers when empty, the quantity and weight of cardboard cartons in which the disposable containers arrived, and the average weight of sharps contents when containers were 75% full.



## The Daniels Difference

**Healthcare Waste Management cost efficiencies are derived from the successful deployment of five key elements. At Daniels Health we work closely with our customers to ensure that all healthcare staff are protected, trained and equipped, that the facilities' risk profile is managed, and waste management costs are minimised.**

**Safety:** Our highest commitment is safety; through intelligent products, systemised solutions and bespoke training, we work with our customers to reduce needlestick injuries, minimise infection transfer and provide solutions that protect the safety and minimise risk for staff and patients.

**Sustainability:** Our reusable products and environmentally responsible treatment services are designed to maximise segregation, reduce CO2 burden and minimise waste going to landfill. Through waste mapping, auditing and environmentally graded solutions, we work with our customers to achieve the highest green ratings.

**Efficiency:** Daniels Health optimises the efficiencies of healthcare environments through smart products, process re-engineering and redefined waste handling methodologies. Significantly reducing the labour used in handling of waste through point-of-use bagless containment systems, an extensive range of mounting options and accessories and logistical solutions, our customised services guarantee optimised time and movement efficiencies.

**Compliance:** Experts in the regulatory complexities governing the healthcare sector, we position ourselves as an astute partner delivering expert guidance and compliant solutions to our customers. All Daniels solutions are vetted against state and federal regulations and executed through waste plans and training to achieve optimised safety and compliance.

**Education:** Our ongoing commitment to educate staff within healthcare ensures that together we achieve greater safety awareness and drive behavioral change in waste management, segregation, compliance and best practice management. Through a blended learning approach using onsite training, a range of educational material and module-based e-learning, we ensure all healthcare staff are trained and compliance certified.

