

Sharpsmart:

Impact of Engineering on Sharps Injuries

Authors Grimmond T, Bylund S, Anglea C, Beeke L, Callahan A, Christiansen E, Flewelling K, McIntosh K, Richter K, Vitale M

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“Enhanced aperture design can significantly reduce container-associated sharps injuries. Other factors contributing to reduced injuries may include hand deposit, safe closure, hand restriction, and pre-assembly.” - Authors

What was the study?

This 2 year, 28 hospital before-and-after study **‘Sharps injury reduction using a sharps container with enhanced engineering: a 28 hospital nonrandomised intervention and cohort study’** examined the impact of conversion from disposable sharps containment systems to the Daniels Sharpsmart reusable collector.

14 hospitals converted to the Daniels reusable system, and 14 hospitals remained as a control cohort group who did not convert to the Daniels Sharpsmart reusable collector.

What were the results?

In the 14 hospitals who converted to Daniels Sharpsmarts:

- After-Procedure Sharps Injuries (SI) fell 30%
- Disposal Related SI fell 57%
- Container Associated SI fell 81%

In the control group using disposable sharps containers:

- No significant reductions occurred in container associated injuries.
- Total SI increased

Hospitals using the Daniels Sharpsmart reusable device had significantly fewer total SI than the control hospitals.

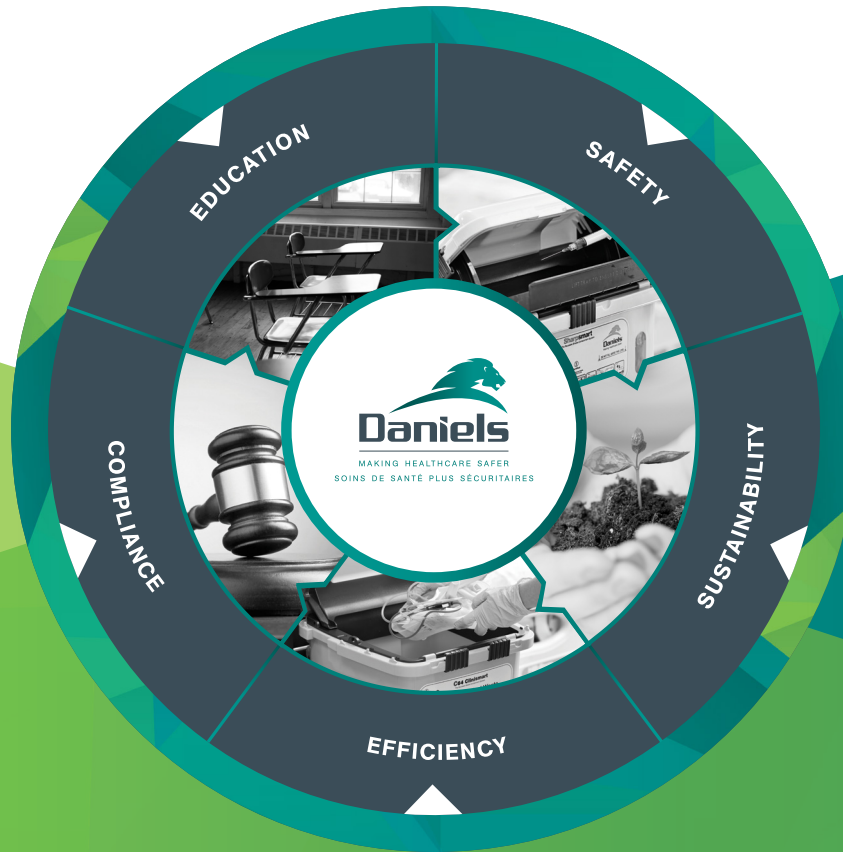
What does this mean for you?

The results demonstrate that the Daniels Sharpsmart reusable containment system delivers a significant reduction in container-related and disposal-related Sharps Injuries.



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International committee of Medical Journal editors



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.

