DANIELS PEER REVIEWED PEDIGREE USN151005

Sharpsmart:

Impact of Engineering on Sharps Injuries

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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 nonrandomized intervention and cohort study' examined the impact of conversion from disposable sharps containment systems to the Daniels Sharpsmart reusable container.

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 container.

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 minimized.

Safety: Our highest commitment is safety; through intelligent products, systemized

Compliance: Experts in the regulatory complexities governing the healthcare sector,

Education: Our ongoing commitment to educate staff within healthcare ensures that

