

# Sharpsmart:

## Impact on emissions & injuries

Rotherham NHS Foundation Trust

**Publication** Inside Hospitals: "Apple of Their Eye"  
Infection Prevention, October 2011

**"Introducing Sharpsmart has brought all aspects of point-of-use, sharps safety and sustainability together. There's a financial benefit with Sharpsmart"**

- Donna Jones, Facilities Manager



### What was the study?

Disposable single-use sharps containers were replaced with the Sharpsmart reusable containment system. The 12 month Before-After intervention study determined the effect of the Sharpsmart reusable containment system on greenhouse gas emissions and sharps injuries at the 500 bed Rotherham NHS Foundation Trust Hospital.

### What were the results?

The Sharpsmart sharps management system:

- Significantly reduced greenhouse gas (GHG) emissions by 109.80 tons CO<sub>2</sub>eq per annum which equated to a 91% reduction in GHG from the facility's previous disposable sharps containment system.
- Reduced landfilled waste by 13 tons of plastic and 1.3 tons of cardboard annually
- Eliminated container-associated Sharps Injuries
- Reduced sharps containment and disposal costs
- Ensured compliance with HTM 07-01 Safe Management of Healthcare Waste

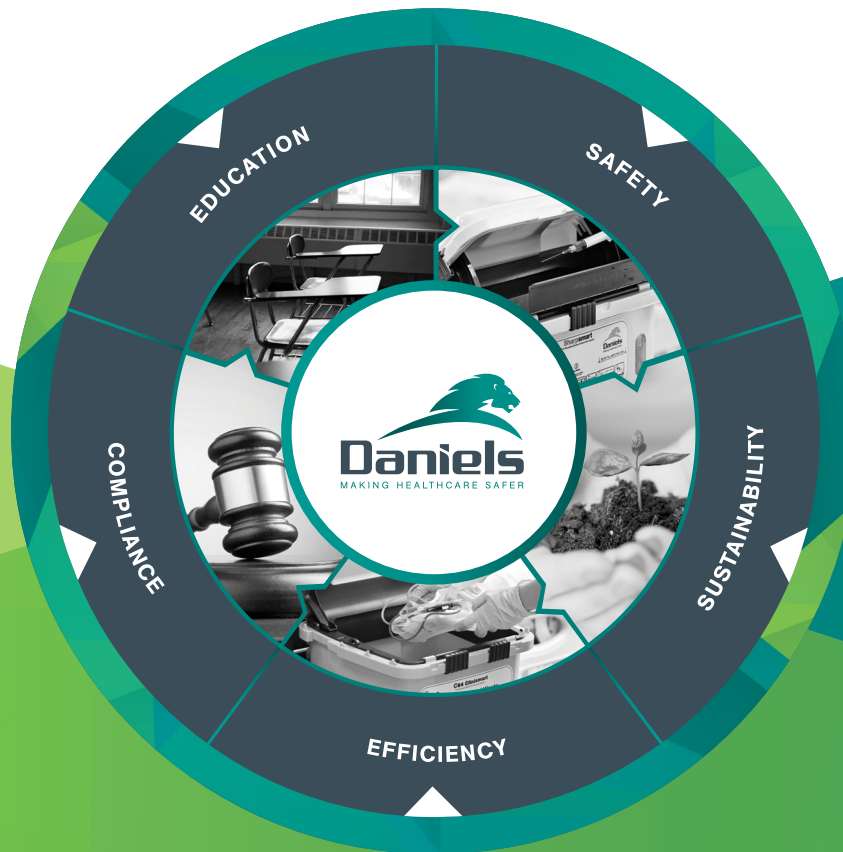
### What does this mean for you?

This study demonstrates that the Sharpsmart reusable containment system significantly reduces carbon emissions, waste volumes, injuries, labor and costs.

Replacing single-use containers with a reusable Sharpsmart system improves waste segregation, reduces time and labor burdens on materials management, meets higher compliance standards, and improves the safety of caregivers disposing of sharps waste.



Following this study, Rotherham NHS Foundation Trust was presented with the prestigious Green Apple Environment Award at the House of Commons.



## 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 solutions and bespoke training, we work with our customers to reduce needlestick injuries, minimize infection transfer and provide solutions that protect the safety and minimize risk for staff and patients.

**Sustainability:** Our reusable products and environmentally responsible treatment services are designed to maximize segregation, reduce CO2 burden and minimize 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 optimizes the efficiencies of healthcare environments through smart products, process re-engineering and redefined waste handling methodologies. Significantly reducing the labor used in handling of waste through point-of-use bagless containment systems, an extensive range of mounting options and accessories and logistical solutions, our customized services guarantee optimized time and movement efficiencies.

**Compliance:** Experts in the regulatory complexities governing the healthcare sector, we position ourselves through the use of the Daniels range of products and services as an astute partner delivering expert guidance inside the four walls of a facility providing compliant solutions to our customers. All Daniels solutions are vetted against state and federal regulations and executed through waste plans and training to achieve optimized 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.