

Sharpsmart:

Impact on emissions & injuries

Rotherham NHS Foundation Trust

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"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 109.8 tonnes CO₂eq per annum which equated to a 91% reduction in GHG from the facilities' previous disposable sharps containment system
- Reduced landfilled waste by 13 tonnes of plastic and 1.3 tonnes 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, labour and costs.

Replacing single-use containers with a reusable Sharpsmart improves waste segregation, reduces time and labour 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.