

# Sharpsmart:

## Impact on emissions & injuries

Rotherham NHS Foundation

**Publication** Inside Hospitals: "Apple of Their Eye"  
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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 CO<sub>2</sub>eq 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.**