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**ICTM**

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# Recycling Bins

## OVERVIEW

The NHS produces up to 600,000 tonnes of waste each year, and around 85% of this waste is categorized as non-hazardous. Although much of this waste is recyclable, a significant amount is still incinerated or sent to landfills.

Whilst healthcare waste must be categorized, segregated and processed according to the appropriate waste management stream, practices could be enhanced. For example, diverting specific waste from incineration and landfills into recycling, saves money and reduce carbon.

## EXPECTED OUTCOMES

- New recycling bin protocols that meet appropriate clinical standards.
- Enhanced processes for managing waste
- Improved communication around appropriate recycling processes
- Cost savings through increased recycling
- Procurement changes to facilitate the purchase of more recyclable products

## FUTURE IMPACT

### Benefits One

A reduced carbon footprint for the health board

### Benefits Two

A scalable model to be rolled out across NHS Wales, delivering cost savings, staff engagement, improved waste management and greener procurement practices.

### Benefits Three

A significant contribution to helping to deliver 'A Healthier Wales' and 'A Sustainable Wales'.



*This has given us an excellent opportunity to work with our partners as a team to make a valuable contribution to the Environmental Sustainability by exploring the possibility of enhancing and redesigning the current operating theatre recycling bins through incorporating sensors, IoTs and barcode/QR code readers to read the barcode/QR code printed on the single-use plastic items*

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