The Near Patient Sharps Disposal System™

Delivering cash releasing savings and improved outcomes
Frontier Medical Group comprises three medical product manufacturers within one medical device company providing consumable products and services to major international healthcare providers.

**Sharpsafe®** is the world’s first purpose designed disposable plastic sharps container. More Sharpsafe® are used across Europe than any other sharps container.

**Safe-Point®** the world’s first automated dental needle remover with an integrated UN approved disposable sharps container; designed by a Dentist for Dental Practitioners.

**Exchange™** the UK’s leading supplier of bespoke needle exchange packs and paraphernalia supplied to harm reduction services.

**Repose®** comprises a range of pressure area care devices which have been used in the successful treatment of more than 1 million patients. More persons are currently treated on Repose® than any other pressure redistribution mattress in the UK.

Frontier Medical Group products are in use in more than 30 countries worldwide.

For more information please visit the Frontier Medical Group website www.frontiermedical.eu
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The most highly featured safety container in Europe. 1

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Nothing gets closer than
NPSD™
Designed to protect

Some reasons why Sharpsafe® is Europe’s favourite sharps disposal container

Innovative products and services

More Sharpsafe® are consumed in the UK and continental Europe than any other sharps container.

The Sharpsafe® container opposite has more in-built safety features than any other disposable sharps container.

Sharpsafe® comprises a comprehensive range of containers, extending from 0.2 Litre through to 30 Litre and includes a protected access range and the only UN 1851 approved leak-proof container in the UK.

The range is complemented by an extensive range of accessories including the unique Near Patient Sharps Disposal™ (NPSD™) Tray and Trolley system, brackets and a range of community specimen transport bags designed for community healthcare workers in accordance with UN3373.

This new range is further complemented by a series of education and training support services and material.

Highest quality standards

The Sharpsafe® range is unparalleled in conformity to the most stringent of quality standards. Sharpsafe® is developed and manufactured under BS EN ISO 9001:2000 and BS EN ISO 14001 for environmental management systems.

Frontier Medical were also the first manufacturer to be awarded the NF mark in respect of French Standard NF-X-30-500, the most rigorous European standard in terms of resistance to penetration and impact.

Needle Exchange - Harm reduction products

Frontier Medical is the leading supplier of harm reduction packs and paraphernalia to Health Service Drug and Alcohol Action Teams.

Bespoke packs contain exchange paraphernalia together with a range of harm reduction support tools, including bespoke harm reduction messages included on the Sharpsafe® container in-mould label.
Product Features

1. **LINE and LABEL**
   Aligning the fill line on the lid with the label on the container ensures the internal safety flap inside the lid operates efficiently.

2. **Simple FOUR CLICK assembly**
   An audible click confirms the lid and base are assembled easily, correctly and securely.

3. **Translucent lids**
   A unique safety feature which indicates when the contents reach the fill line, without having to open or look into the aperture.

4. **Clear segregation SIGNPOSTING**
   ✓ Waste type printed on the lid to assist with easier and safer segregation of sharps waste.

5. **Large aperture with internal safety flap**
   The large aperture with keyhole features ensures safe and easy disposal of sharps.

6. **Temporary closure**
   For increased user and patient safety when the container is not in use.

7. **Fill line**
   The inkjet printed fill line is clearly visible externally and in combination with the translucent lid and large ‘headroom’ ensures Sharpsafe® is the safest sharps disposal system available.

8. **In-mould label**
   This unique label is moulded directly into the container providing a permanent audit trail which cannot be removed.
Frontier’s Sharpsafe® Near Patient Sharps Disposal System™ (NPSD™) significantly reduces this risk by enabling sharps to be disposed of directly at the point of use eliminating secondary handling and reducing opportunities for NSIs.

Sharpsafe® NPSD™ is the cornerstone of an effective infection control strategy to minimise the transmission of blood borne viruses through NSIs.

The Infection Prevention Society, NICE, MHRA and EU guidance all support the principle of sharps disposal at the point of use.

The use of Sharpsafe® NPSD™ system has been demonstrated to help in reducing needlestick injuries (NSIs). It works because it features sharps containment products designed specifically to be taken to the patient, at the point of use.
Three large NHS Trusts, having converted to the use of the Sharpsafe® NPSD™ system all reported significant and sustained reductions in container related NSI’s\(^2\).

Additional benefits of converting to the use of the Sharpsafe® NPSD™ system include significant and sustained cash releasing savings achieved by using on average 22% less containers to consume the same volume of sharps waste.\(^2\)

1. Needle and shaps object injury report - EPINET 2007 Data
2. Data from nine NHS Trusts 2008 - 2010. Visit www.frontiermedical.eu
The Protected Access range is designed and intended primarily for use in public access areas such as A&E and outpatients, and anywhere children may be present.

The Protected Access range permits easy and safe disposal of sharps via an integral, barrel shaped rotating aperture, which ensures fingers and small hands are prevented from entering the container, providing added security for the user, patients and members of the public.

The unique closure also ensures only appropriate sized sharps can be placed into the container, discouraging the use of sharps containers for non-sharps waste, avoiding unnecessary waste disposal costs.

The Protected Access range is available in a variety of containers from 2 Litre to 30 Litre Sharpsafe.

features

1. Closed aperture preventing hand intrusion
2. Pivot flap ensures safe disposal
3. Translucent Lid - contents visible when full
4. In-mould label - offers permanent audit trail which cannot be removed
## Sharpsafe®

The complete range of sharps containers

### Sharps Containers

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<thead>
<tr>
<th>Cat No.</th>
<th>NHS No.</th>
<th>Capacity</th>
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### Solid Pharmaceutical Waste Containers

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### Specimen Transport Bags

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### Protected Access Containers

Designed for use in public access areas such as A&E and out-patients. The Protected Access range allows easy disposal of sharps but provides added security for both user and the general public.

The Protected Access range also discourages the use of the sharps container for non sharps waste, avoiding unnecessary waste disposal costs.

<table>
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<th>Cat No.</th>
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The Sharpsafe® Solid Pharmaceutical Waste container has been designed for POM’s and other solid pharma waste in compliance with UN3249.

The Community Specimen Transport Bag (STB) has been designed for community healthcare workers who need to transport diagnostic specimens whilst adhering to UN3373.
The container lids are colour-coded in recognition of HTM 07-01 guidelines. The screw-on lid seals the container and prevents the spilling of contents during and after use.

The HTM 07-01: Safe Management of Healthcare Waste Guidelines identify the need for waste containers that are leakproof, puncture resistant plastic containers designed to collect, store and safely dispose of medical sharps and associated liquid waste.

Frontier Medical provide 6 Litre, 10 Litre and 19 Litre leakproof containers which meet the stringent UN 1851 and UN 3291 standards. More NHS Trusts are now insisting upon UN 1851 compliant leakproof containers. The Frontier Medical leakproof range is currently the only such compliant range available in the UK.

features

• Puncture and impact resistant
• Fluid leakproof
• Manufactured to BS 7320:1990 standard
1 Translucent top helps prevent overfilling
2 Fluid leak resistant seal
3 Grab handle
4 Label conforms to current EU guidelines
Frontier recently introduced a new business model to nine NHS Trusts aimed at reducing the volume of sharps containers they consumed by switching to the Sharpsafe® NPSD™ system of sharps disposal.

The switch resulted in a reduction by an average 22% in sharps container consumption and incineration over the next 2 years and produced cash releasing savings in excess of £150,000. In addition, an estimated £43,000 was saved by reducing the volume of sharps containers incinerated by 54 Tonnes (11%) of polypropylene across the nine NHS Trusts.

This reduction was achieved by consuming the same volume of sharps waste in fewer containers without compromising upon safety. Many of these Trusts confirmed a significant and sustained reduction in needlestick injuries (NSI’s) with one Trust reporting an exceptional 90% reduction in NSI’s.2

2. Data from nine NHS Trusts 2008 - 2010. Visit www.frontiermedical.eu

Reduce

Reducing Sharps Waste;

The most cost effective and environmentally friendly way of dealing with waste is to reduce the amount of waste produced

NetRegs2010

Reduce, Reuse, Recycle

If you reduced the number of sharps containers you consume and incinerate by 22%, just think what that would do for your carbon footprint, and cash savings targets
Two reusable sharps containment systems are currently available to the NHS. Both systems have their advantages and disadvantages over each other and versus disposable systems.

It is currently the view of Frontier Medical Group that neither system has thus far been able to demonstrate a proven reduction to the NHS in NSI’s, sharps waste, cost or carbon footprint compared to conventional disposable systems and that the opportunity exists to develop an improved system which can achieve many or all of these benefits.

Reuse
Two reusable sharps containment systems are currently available to the NHS. Both systems have their advantages and disadvantages over each other and versus disposable systems.

Recycle
Frontier Medical Group regrind and recycle all polypropylene waste produced during the manufacture of Sharpsafe® containers. In order to maintain the standards of puncture resistance only virgin polypropylene is used in the manufacture of Sharpsafe®. Frontier use recycled polypropylene waste to manufacture Sharpsafe® accessories including NPSD™ Trays, Brackets and other applications.
In 2008 Nine NHS Trusts converted to Sharpsafe® NPSD™. Collectively they averaged a 22% reduction in consumption of sharps containers and produced an average of 13% cash releasing savings, sustained over the first 2 years. All of the Trusts recorded reductions in NSI’, with 3 Trusts reporting significant and sustained reductions.

Case Study

In 2008 Nine NHS Trusts converted to Sharpsafe® NPSD™. Collectively they averaged a 22% reduction in consumption of sharps containers and produced an average of 13% cash releasing savings, sustained over the first 2 years. All of the Trusts recorded reductions in NSI’, with 3 Trusts reporting significant and sustained reductions.

Average Sustained Saving 13%

Business Case

If you reduced the number of sharps containers you consume and incinerate by 22%, just think what that would do for your cash savings targets

NHS 2010-2015: from good to great. Preventative, people centered, productive NHS; makes specific reference to a set of safety challenges over the next five years, including the need to reduce waste and produce cash releasing savings for use in improving outcomes.

The Model

Frontier Medical Group have developed an easy to use tool to collate and record sharps container usage data. The spreadsheet calculates the optimum quantity of sharps containers that are required to accommodate the current literage of sharps waste and demonstrates how a more optimal range of containers might be used in conjunction with Sharpsafe® NPSD™ to produce significant cash releasing savings.

More hospitals are switching to Sharpsafe® NPSD™

The experience of nine NHS Trusts has demonstrated that cash releasing savings totalling more than £165,000 had been achieved, averaging 13% savings sustained across this range of large and small Trusts over 2 years. The savings were achieved whilst disposing of the same volume of sharps waste. By standardising on Sharpsafe® NPSD™ and optimising the range and size of containers the Trusts were able to reduce the volume of containers utilised. In most cases, the incidence of container related needlestick Injuries (NSI’s) was also significantly reduced.

2. Data from nine NHS Trusts 2008 - 2010. Visit www.frontiermedical.eu
As well as a fully compliant product range Frontier Medical can also offer a helping hand in the form of a comprehensive range of posters, ordering guides and educational supplements.

Bespoke Training

Frontier Medical has the largest sales and customer services team supplying sharps containers in Europe. The team includes an in-house design team experienced in the production of bespoke clinical training material targeted at nurses and other clinicians.

Smooth Transition

The sales and customer service team has extensive experience of developing and implementing conversion programmes to assist hospitals in a smooth transition from using conventional sharps bins to using Sharpsafe® NPSD™.

The team have also developed a new process to assist Trusts in migrating to HTM 07-01 Safe Management of Healthcare Waste guidelines. This process includes a new and comprehensive bespoke resource pack for Hospitals and PCT's.

Audit Report

Sharpsafe® clients benefit from a complimentary detailed annual audit carried out by trained Frontier sales and customer service staff which concludes in a comprehensive written audit report presented to the Trust within one month of completion.

What next?

The Frontier team would be pleased to provide a quotation for the supply of the Sharpsafe® system including where appropriate the provision of guarantees related to the savings and outcomes predicted.

For more information or to make an appointment for a member of Frontier Medical Customer Service Team to visit please contact Mark Tudor at mtudor@frontier-group.co.uk

Call

01495 235800

Visit

www.sharpsafe.co.uk
A helping hand from Frontier Medical Group

Whichever segregation route you take, be assured of support from Frontier Medical. As well as a fully compliant product range we also offer a helping hand in the form of a comprehensive range of posters, ordering guides and educational support materials and training services.

Sharpsafe® toolkit and CD-ROM

Sharpsafe® guide booklet

Safe management PowerPoint presentation

Now Online

Frontier Medical Group has an extensive on-line education and training library containing a wide range of posters, brochures, assembly and user instructions and product images.

To download a resource simply visit www.sharpsafe.co.uk and click on downloads.
New to the Sharpsafe® Range

The Sharpsafe® XL has a capacity of 25 Litres and is designed to hold laparoscopic instruments in operating theatre environments. The lid has a fluid tight adhesive seal to prevent any leakage after final closure.

features

- Fluid leak resistant seal with temporary closure feature
- Wall or trolley mountable for extra stability
- Available with a protected access insert
- Carry handle
- Interstackable for efficient space utilisation

Introducing Safe-Point®

The potential risk of needle-stick injury is of constant concern to all members of the practice team. The anxiety and trauma associated with a member of staff experiencing a needle-stick injury can have serious effects on both staff and patients.

The Safe-Point® automatically unscrews and disposes of a used needle in seconds providing a responsible and effective solution to the safe disposal of used needles.
New Guideline Revision
Sharpsafe® and HTM 07-01

New Guideline Revision

The new HTM 07-01: Safe Management of Healthcare Waste Guidelines are currently under review. The guidelines oblige NHS Trusts to segregate clinical waste into specific colour coded waste streams, according to the nature of the waste:

- **Orange** – Sharps for incineration or alternative treatment. Marked “Fully Discharged Sharps” the inscription and ‘tick’ indicate this coloured lid container is for use with sharps not containing prescription only medicines or ‘POM’s.

- **Yellow** – Infectious sharps for incineration only. Marked with “Medicinal Sharps”, the inscription and ‘tick’ indicates this coloured lid container will be for general use, including sharps containing medicinal residue. Yellow is also the default colour which all existing ‘general’ sharps containers will revert to initially until a segregated system in accordance with HTM-07-01 is implemented.

- **Purple** – Marked with “Cyto Sharps”, the inscription and ‘tick’ indicate this coloured lid container will be for use with sharps contaminated with cytotoxic and / or cytostatic medicines.

- **Blue** - Sharpsafe® Pharma waste containers are available with labels designating “Solid Pharmaceutical Waste”. These containers comply with UN 3249 as shown within the in-mould label.

- **Red** - Under the latest revision a recommendation is being made that a Red Lid be used to indicate a clinical waste container suitable for the transportation of anatomical waste.

New Solution

Sharpsafe® is a Sharps Management System incorporating practice methodology designed to deliver safe management of sharps in accordance with HTM 07-01 Safe Management of Healthcare Waste and current NHS ‘point of use’ disposal guidelines incorporating Sharpsafe NPSD™.
Each Hospital or Trust will choose a combination of the following coloured lids:

1. **Orange** (Fully discharged)
2. **Yellow** (Medicinal)
3. **Purple** (Cytotoxic/Cytostatic)
4. **Blue** (Pharmaceutical)
5. **Red** (Anatomical)

A separate booklet, ‘The Sharpsafe® guide to HTM 07-01: Safe Management of Healthcare Waste’ provides details on the new guidelines with specific information on how to choose a sharps segregation route and is designed to meet the needs of individual Trusts in accordance with HTM 07-01: This booklet can be obtained from Frontier Medical Customer Services.

### Safe management of healthcare waste product placement guide

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Key:
- **Sharpsafe® container with Protected Access feature UN 3291, CLINICAL WASTE, UNSPECIFIED, N.O.S**
- **Solid pharmaceutical container complies with UN 3249, MEDICINE, SOLID, TOXIC, N.O.S**
- **Liquid Pharmaceutical Waste complies with UN 1851, MEDICINE, LIQUID, TOXIC, N.O.S UN 3291, CLINICAL WASTE, UNSPECIFIED, N.O.S**
- **Sharpsafe® standard container combined with a Protected Access Insert.**