



A brochure outlining the comprehensive range of **New Sharpsafe SMS™** products and services

The **safer** system of sharps **segregation**

Your guide to New Sharpsafe SMS™

This brochure provides information on new Sharpsafe SMS™ products and services and a methodology to migrate from current practice through to adoption of HTM 07-01: Safe Management of Healthcare Waste Guidelines.

Contents

A fresh start New company, new guidelines, new solution	2-3
Need some guidance? The Sharpsafe® guide to HTM 07-01: Safe Management of Healthcare Waste and product placement guide.	3-4
Your choice A choice of 4 sharps segregation routes in accordance with HTM 07-01.	5-6
New Sharpsafe SMS™ the product Designed to protect - the most highly featured safety container in Europe.	7-8
New Sharpsafe SMS™ the range The comprehensive range of Sharpsafe® and clinical waste containers.	9-10
New Sharpsafe SMS™ the specialities Protected Access and Leakproof containers.	11-12
New Sharpsafe SMS™ safety Near Patient Sharps Disposal™ (NPSD™)	13-14
Significant savings A cost effective solution	15
At your service The Sharpsafe SMS™ system includes a comprehensive range of support services.	16
SMS™ support Support and educational material	17





A fresh start

New company, new guidelines, new solution

New company

Frontier Medical Products Limited was recently established to integrate three medical product manufacturers into one medical device company, providing consumable products and services to major International healthcare providers. The Frontier Medical product range comprises the following 4 product streams;

Sharpsafe® the World's first purpose designed disposable plastic sharps container and Europe's leading sharps container. More Sharpsafe® are used across Europe than any other sharps container.

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

Repose® a unique range of pressure area care devices which have proven to be successful in the treatment of more than 500,000 NHS patients and are an integral part of pressure ulcer treatment protocols across Europe.

Frontier Multigate™ a joint venture company providing sterile dressings and other disposables to the NHS.

New guidelines

HTM 07-01: Safe Management of Healthcare Waste Guidelines oblige NHS Trusts to segregate clinical waste into specific colour coded waste streams, according to the nature of the waste:

What does each colour represent?

Sharpsafe® sharps container lids are available in four colours as follows;

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’ indicate 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 Lid - 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.

New solution

New Sharpsafe SMS™ – 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.

The New Sharpsafe® range is the only sharps containment system to incorporate translucent lids, protected access, and UN approved leakproof containers and point of use disposal (NPSD™).

This brochure provides information on Sharpsafe SMS™ products and services. For more information contact the Frontier Customer Service Team; call 01495 235800 or visit www.sharpsafe.co.uk



Orange – sharps for incineration or alternative treatment. Marked “✓ **Fully Discharged Sharps**” for use with fully discharged sharps that do not contain prescription only medicines or ‘POM’s.



Yellow – infectious sharps for incineration only. Marked with “✓ **Medicinal Sharps**”, this non-specific designation allows the containers to be used for all sharps should users require or until a segregated system in accordance with HTM 07-01 is implemented, of which a yellow stream may be part.



Purple – sharps that are contaminated with cytotoxic and cytostatic medicines. Marked “✓ **Cyto Sharps**”.

Need some guidance?

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)

NHS Trusts have a choice of one of 4 segregation routes to choose from. Current Environment Agency advice is indicating a minimum of 2 separate coloured lid sharps container streams should be utilised. Frontier Medical have nominated the choices as segregation routes ‘A’, ‘B’, ‘C’ and ‘D’ as shown. Frontier have developed a series of posters and other training material to assist in educating staff on the new guidelines and reinforcing the individual segregation route chosen by each Trust.

The chart shown opposite provides a guide as to the likely application for each container in most clinical settings. Where Orange and Yellow are shown together, that represents a choice of one or the other.

Having problems making your mind up?

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

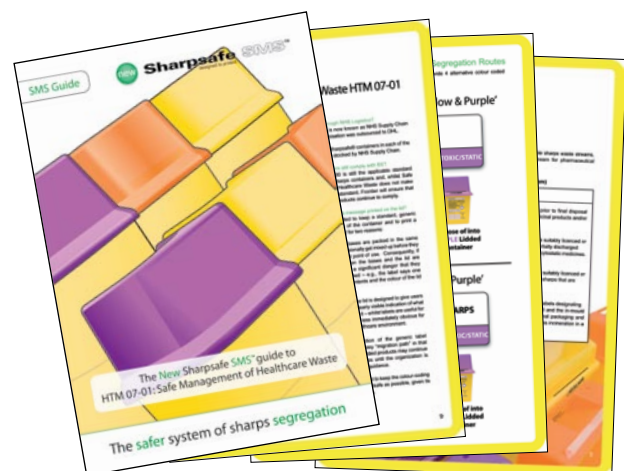
call

01495 235800

or visit



www.sharpsafe.co.uk



Sharpsafe SMS™ guide booklet



Safe management of healthcare waste product placement guide

		Sharpsafe®											Clinisafe®			Leakproof	Community Bag
		0.6L	1L	2L	3L	4L	7L	7.5L	9L	13L	24L	30L	9L	6L	10L	STB1	
Community		Yellow			Yellow												Green
GP's / Clinics	Cyto				Purple		Purple		Purple	Purple							
	Non-cyto				Yellow	Orange	Yellow	Orange	Yellow	Orange	Yellow	Orange					
General Wards	Cyto				Purple		Purple		Purple	Purple							
	Non-cyto				Yellow	Orange	Yellow	Orange	Yellow	Orange	Yellow	Orange			Yellow	Black	
Oncology	Cyto				Purple					Purple					Purple	Black	
Maternity	Cyto								Purple	Purple							
	Non-cyto								Yellow	Orange		Yellow		Yellow	Black		
Theatres	Non-cyto											Yellow	Yellow		Yellow	Black	
Outpatients	Cyto								Purple	Purple							
	Non-cyto								Yellow	Orange	Yellow	Orange					
Phlebotomy	Non-cyto				INSERT	INSERT	INSERT		Orange	Orange							
Pharmacy	Solids						UN3249					UN3249					
	Liquids													Blue			
Laboratories							Yellow			Yellow		Yellow			Yellow	Black	

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

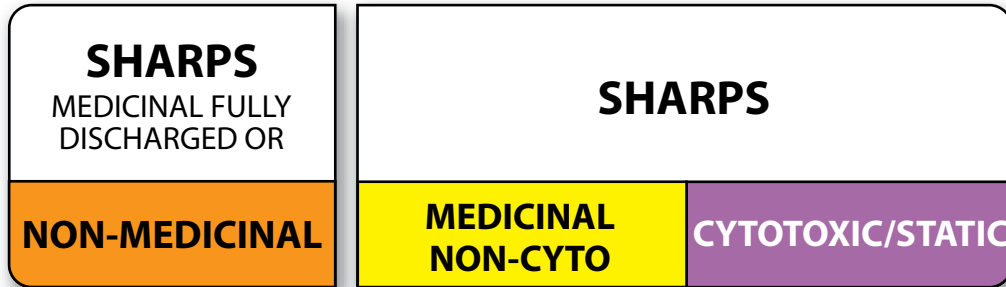
 Liquid Pharmaceutical Waste complies with UN 1851, MEDICINE, LIQUID, TOXIC, N.O.S UN 3291, CLINICAL WASTE, UNSPECIFIED, N.O.S
 Sharpsafe® standard container combined with a Protected Access Insert.



Your choice - 4 alternative colour coded segregation routes

The following charts are a simplified interpretation of HTM 07-01 and provide 4 alternative colour coded segregation routes.

Segregation **Route A** 'Orange, Yellow & Purple'



Dispose of into
ORANGE Lidded
Container

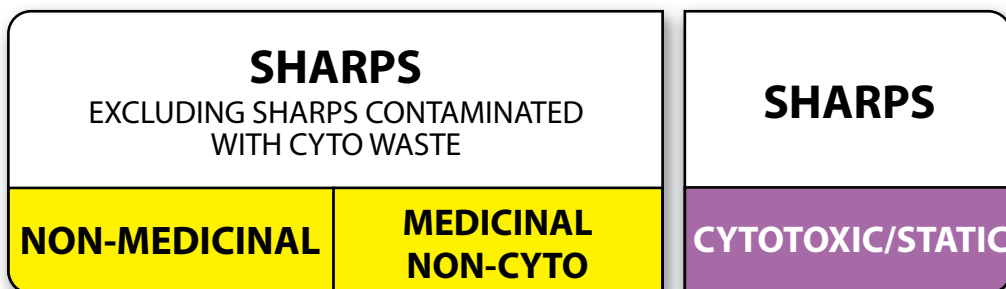


Dispose of into
YELLOW Lidded
Container



Dispose of into
PURPLE Lidded
Container

Segregation **Route B** 'Yellow & Purple'

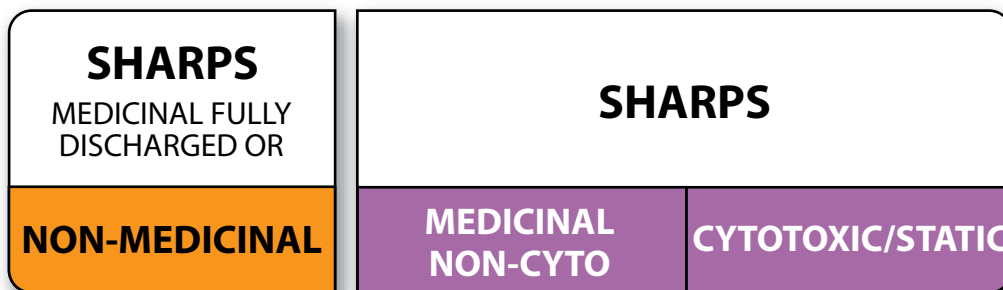


Dispose of into
YELLOW Lidded
Container



Dispose of into
PURPLE Lidded
Container

Segregation **Route C** 'Orange & Purple'

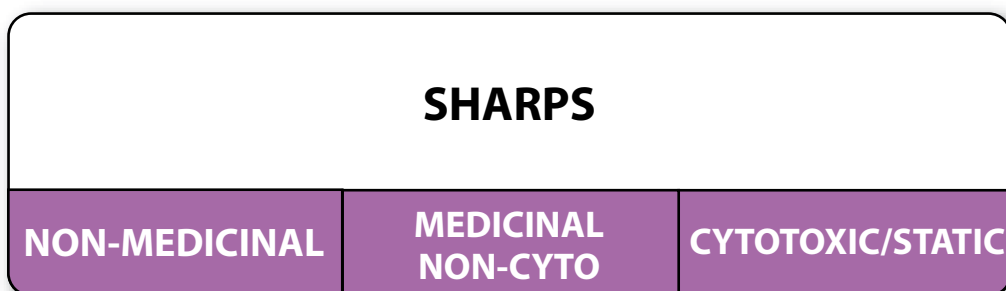


Dispose of into
ORANGE Lidded
Container



Dispose of into
PURPLE Lidded
Container

Segregation **Route D** 'Purple'



Dispose of into **PURPLE** Lidded Container

It is understood that current Environment Agency advice discourages aggregation of sharps waste into one single colour coded waste stream. Permutations other than those shown are possible and Frontier Medical can provide advice on other options.

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 elsewhere across 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.

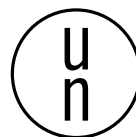
Highest quality standards

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.



BS 7320 : 1990
KM15072



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 containing 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.

new



point two 0.2 Litre point three 0.3 Litre point four five 0.45 Litre point six 0.6 Litre one 1 Litre two 2 Litre three 3 Litre four 4 Litre seven 7 Litre

Sharps Containers

Products		point two	point three	point four five	point six	one	two	three
INFECTIOUS SHARPS FOR INCINERATION	Cat No. NHS No.	4173	4175 FSL359	4170 FSL360	4150 FSL336	4160 FSL078	4140 FSL426	4145 FSL276
INFECTIOUS SHARPS FOR INCINERATION OR ALTERNATIVE TREATMENT	Cat No. NHS No.				4150B FSL350	4160B FSL337	4140B FSL159	4145B FSL351
CYTO SHARPS FOR INCINERATION	Cat No. NHS No.				4150C FSL335	4160C FSL321	4140C FSL322	4145C FSL277

Leakproof Containers



The Sharpsafe® Leakproof range is available in 6 Litre, 10 Litre and 19 Litre containers which comply with both UN 1851 and UN 3291.

Products	six	ten	nineteen
INFECTIOUS SHARPS FOR INCINERATION		4114L	4119L
CYTO SHARPS FOR INCINERATION		4114CL	4119CL
LIQUID PHARMA WASTE FOR INCINERATION	4165DL		

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.



new



nine 9 Litre
thirteen 13 Litre



twenty four 24 Litre
thirty 30 Litre



Quiver™
7.5 Litre



Clinisafe®
9 Litre (Anatomical and laboratory waste)

Specialist Containers

four	seven	nine	thirteen	twenty four	thirty
4100 FSL030	4110 FSL031	4117 FSL290	4115 FSL291	4120 FSL308	4180 FSL066
4100B FSL338	4110B FSL353	4117B FSL341	4115B FSL100	4120B FSL342	4180B FSL354
4100C FSL326	4110C FSL283	4117C FSL327	4115C FSL329	4120C FSL334	4180C FSL279

Quiver™	Clinisafe®
4190 FSL080	4116 FSL079

FSL codes apply to NHS Supply Chain references only.

Solid Pharmaceutical Waste Containers

The Sharpsafe® Solid Pharmaceutical Waste container has been designed for POM's and other solid pharma waste in compliance with UN 3249.

Products	
	SOLID PHARMA WASTE FOR INCINERATION Cat No. NHS No.

seven	thirty
4110D FSL284	4180D FSL278

Specimen Transport Bags



Products	
	COMMUNITY SPECIMEN TRANSPORT BAG Cat No.

STB1 6 Litre	STB2 19 Litre
5001	5002

The Community Specimen Transport Bag (STB) has been designed for community healthcare workers who need to transport diagnostic specimens whilst adhering to UN3373.

Products		nine	thirteen	twenty four	thirty
INFECTIOUS SHARPS FOR INCINERATION	Cat No. NHS No.	4117RA FSL292	4115RA FSL361	4120RA FSL363	4180RA FSL285
INFECTIOUS SHARPS FOR INCINERATION OR ALTERNATIVE TREATMENT	Cat No. NHS No.	4117RAB FSL037	4115RAB FSL362	4120RAB FSL364	4180RAB FSL355
CYTO SHARPS FOR INCINERATION	Cat No. NHS No.	4117RAC FSL328	4115RAC FSL366	4120RAC FSL365	4180RAC FSL356

Quiver™
4190RA



Protected Access



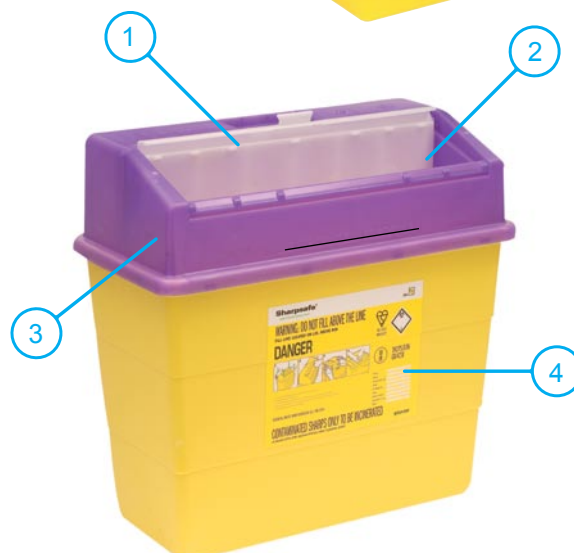
The New Sharpsafe SMS™ system includes the Protected Access range of containers, reducing the risk of needlestick injury with additional security from Sharpsafe®

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



Leakproof



The New Sharpsafe SMS™ system includes a unique range of leakproof containers, compliant with UN 1851 and UN 3291.

The new 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.

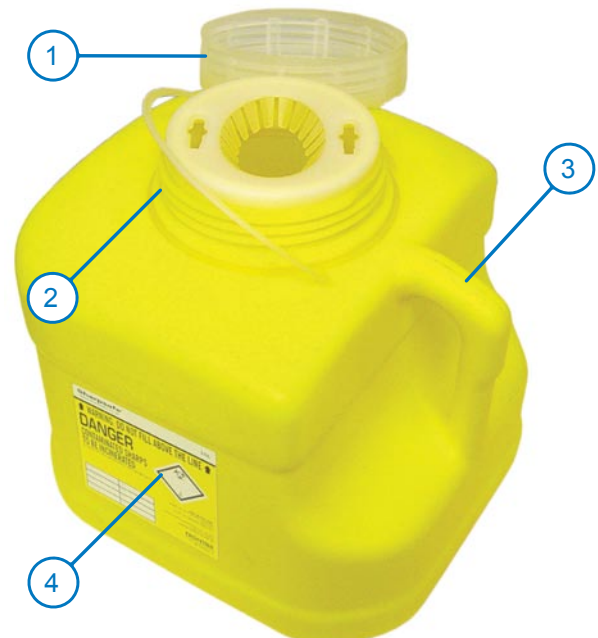
Frontier Medical provide 6 Litre, 10 Litre and 19 Litre leakproof containers which meet the stringent UN 1851 and UN 3291 standards. More NHS Trusts are now insisting upon UN 1851 compliant leakproof containers. The Frontier Medical leakproof range is currently the only such compliant range available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



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.

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



¹ HTM 07-01 Safe Management of Healthcare Waste Guidelines



NPSD™



Reducing the risk of needlestick injury with Near Patient Sharps Disposal™

It is estimated that there are over 100,000 needle stick injuries (NSIs) in the NHS every year, exposing healthcare workers to potentially serious risk. Frontier Medical's Near Patient Sharps Disposal System™ (NPSD™) substantially reduces this risk by enabling safe sharps disposal directly at the point of use.

An essential part of Infection Control policy.

Near Patient Sharps Disposal™ is the cornerstone of an effective infection control policy to minimise the transmission of blood borne viruses through NSIs. The Infection Prevention Society, NICE, MHRA and the Audit Commission all fully support the principle of sharps disposal at the point of use as part of an infection control strategy.

Increased 'point of use' compliance and drastically reduced risk. In response to the increased incidence of needlestick injuries, UK Health & Safety guidance states that used sharps should be disposed of at the point of use by the user. Adopting a policy of Near Patient Sharps Disposal™ with Sharpsafe® could help prevent up to 37,000 high risk injuries each year to healthcare workers.

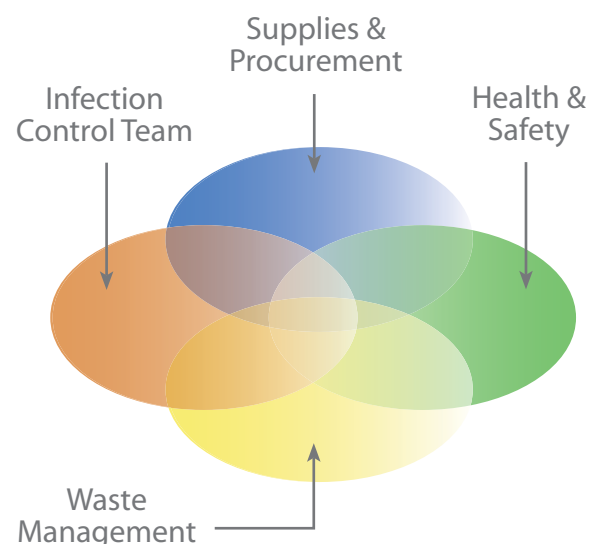
Improved cost control and waste reduction.

The Sharpsafe® range is about much more than being a safer system of sharps disposal.

It is a comprehensive methodology encompassing a robust range of containers, specialist products and accessories built to perform well, and provide cost savings over the longer term. The SAFE (Sharps Audit Follow-up and Education) programme enables Trusts to identify where wastage occurs, and target effective cost savings.

The quality solution that cuts wastage and costs.

Frontier Medical Products Ltd was the first company to be awarded the NF Mark associated with the NF-X-30-500 quality standard; Europe's most rigorous in terms of resistance to penetration and impact. A better built, better value solution that combines safer practice with less wastage, delivering cash releasing savings.^{3, 4, 5, 6, 7}



What is NPSD™?

Near Patient Sharps Disposal™ (NPSD™) is a strategy for reducing needlestick injuries (NSIs).

It works because it features sharps containment products designed specifically to be taken to the patient, at the bedside. Sharps are disposed of safely at the point of use thus eliminating many of the opportunities for NSIs.

- ▶ There are approx 100,000 NSIs each year (RCN surveillance project)
- ▶ 40% of NSIs affect nurses¹
- ▶ 40% of NSIs happen to someone who was not the user of the sharp¹
- ▶ In nearly 20% of cases the source patient is not known¹

NPSD™ Tray System

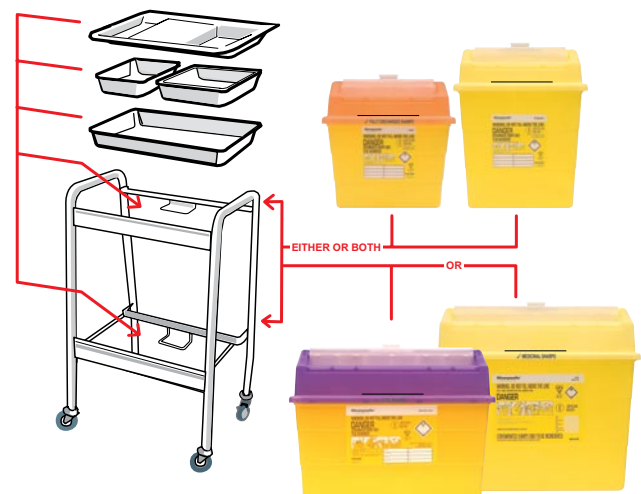


NPSD™ Trolley System

Pedestal Trolley



Sharpsafe® Trolley



How sharps injuries happen ²	Actual % ²	Strategy for avoiding injury
Protruding from the sharps container	6	14% could potentially be avoided by adopting the best designed sharps containers and more training on their correct use.
Whilst placing in disposal	8	
Device left in inappropriate place	7	
After use / before disposal	21	This group of 37% could potentially be avoided by adopting a Near Patient Sharps Disposal™ strategy of taking the sharps container to the patient.
Disassembling the device	6	
Recapping the device	3	
Multistep procedure	8	This group of 35% could potentially be avoided using new better engineered safety devices, such as needle-free systems, retractable needles, etc.
During use	26	
Before use	1	
Others	14	

¹ 19.2 The management of health, safety and welfare issues for NHS staff, 2005

² EPINet™ (Jan - June 2002)



Significant savings

The New Sharpsafe SMS™ system ensures savings can be achieved whilst improving safety within the clinical environment.

Recent experience in several NHS hospitals demonstrates that despite achieving a reduction in container price, overall expenditure increased in line with usage of a wider variety of sharps containers.

The same experience demonstrated that Trusts can achieve sustained improvements in safety and realise cash producing savings only by changing sharps disposal practice.^{3, 4, 5, 6, 7}

More hospitals are switching to Sharpsafe NPSD™ Recent experience within NHS Trusts has demonstrated that cash releasing savings can be achieved by standardising on Sharpsafe NPSD™, by optimising the range and reducing the volume of containers utilised, whilst disposing of the same volume of sharps waste. In each case, the incidence of container related needlestick injuries (NSI's) has either been maintained or declined.

case studies

- 1 Trust A;** a 600 bed acute hospital in the south of England switched from the use of conventional sharps bins to the Sharpsafe Near Patient Sharps Disposal System™, (NPSD™). Audits were conducted pre and post implementation and usage to date has demonstrated a reduction in associated NSI's and the production of significant cash releasing savings in comparison to the Trust's previous expenditure on conventional sharps bins.³
- 2 Hospital B;** a 1000 bed acute university teaching hospital in Scotland has demonstrated improved and continued reduction in NSI's and reduction in expenditure.⁴
- 3 Trust C;** a large metropolitan university teaching hospital Trust in the north of England switched to the Sharpsafe® Near Patient Sharps Disposal System™ (NPSD™) without incurring any additional cost and benefited from an ongoing reduction in NSI's.⁵
- 4 Hospital D;** an 800 bed Teaching Hospital switched to the Sharpsafe Near Patient Sharps Disposal System™ (NPSD™) benefiting from incremental contractual savings and ongoing reductions in NSI's.⁶
- 5 Hospital E;** a 350 bed District Hospital switched to the Sharpsafe® Near Patient Sharps Disposal System™ (NPSD™) resulting in reduced costs, improved sharps practice and ongoing reductions in NSI's.⁷

^{3, 4, 5, 6, 7} List of current NHS Trust reference sites and contact details demonstrating clinical improvement and cash producing savings available upon request.



At your service

The New Sharpsafe SMS™ system includes a comprehensive range of support services.

We know that change is never easy so whichever route you take you can be assured of support and service from Frontier Medical. As well as a fully compliant product range we 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™. More recently the team have 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; Most 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 happens next

Frontier Medical are keen to assist NHS Trusts in determining and adopting HTM 07-01: Safe Management of Healthcare Waste Guidelines. Equally, the Frontier team would be pleased to demonstrate how Sharpsafe SMS™ can provide a safer and more cost effective sharps management system.

For more information or to make an appointment for a member of Frontier Medical Customer Service Team to visit please:

call

01495 235800

or visit

www.sharpsafe.co.uk

Support and educational material New Sharpsafe SMS™ toolkit

A helping hand from Frontier Medical

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.

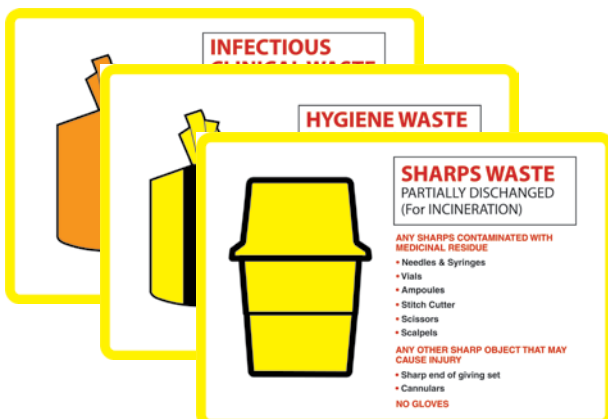
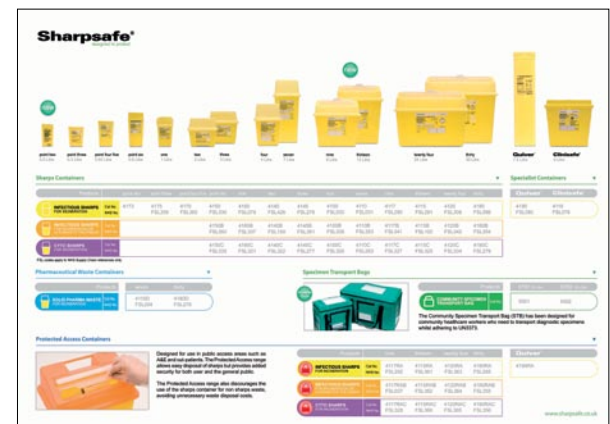
Sharpsafe SMS™ toolkit and CD-ROM



Sharpsafe SMS™ guide booklet



Sharpsafe® product range literature



Safe management PowerPoint presentation





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