

# Monoject MAGELLAN<sup>\*</sup> Safety Needle

THE NEXT  
GENERATION  
HYPODERMIC  
NEEDLE



Safe just with a Click

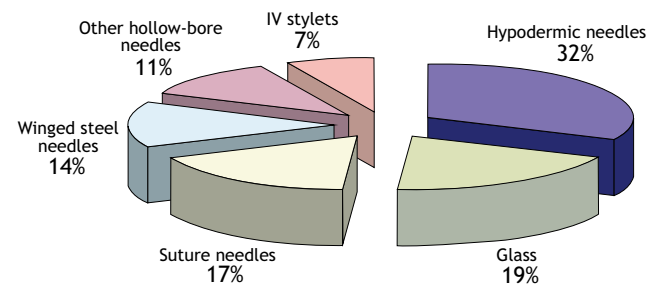
***tyco***

Healthcare

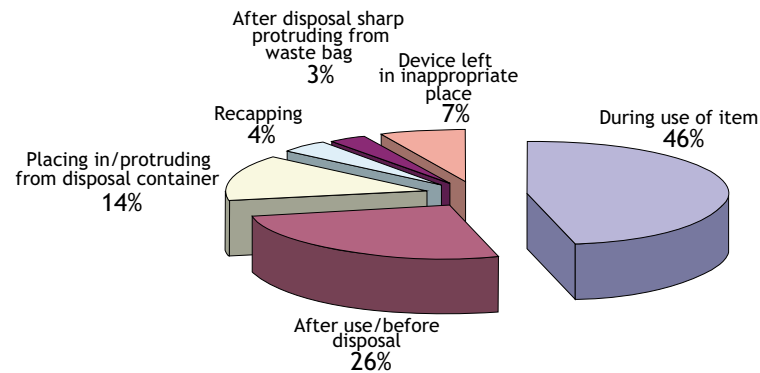
# Why should you face the risk?

All healthcare workers, who may use or be exposed to needles and other sharp devices that may contain blood or other potentially infectious materials, are always at risk of sharps injury.

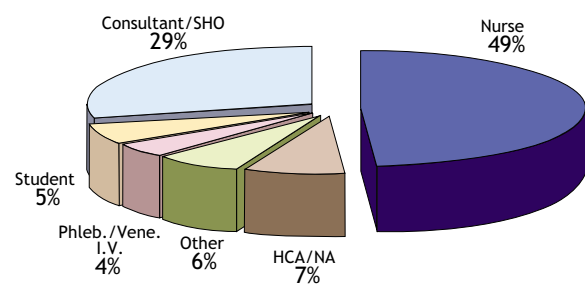
## Type of Devices that causes needlestick injuries:



## When did the needlestick injury occur:



## Job category of injured workers



Getting stuck by a possibly contaminated needle is an omnipresent fear in daily medical routine. Such injuries can lead to serious or fatal infections such as HBV, HCV and HIV.

Numerous scientific studies reveal that administering injections and drawing blood with single-use syringes is not only a risk for Medical personnel but also a high risk for ancillary staff, such as cleaners and laundry workers, laboratory and other technical support employees.

In US 600-800.000 needlestick injuries approximately occur in a year. In Europe the average is 11.8 to 17 per 100 occupied beds per year.

- The risks of a health care worker who has been pricked by a needle contaminated by an infected patient, are:
  - HBV - 1 out of 3 workers
  - HCV\* - 1 out of 30 workers
  - HIV - 1 out of 300 workers

\*no pre-exposure vaccine is available, post-exposure prophylaxis only effective in early stages of infection

- 80% of needlestick injuries can be prevented by:
  - Eliminating unnecessary use of needles where safe and effective alternatives are available.
  - Increasing the use of devices with safety features.
  - Promoting education and safe work practices for handling needles and related systems within health care facilities.

In today's healthcare environment, nothing is more important than safety. Protecting clinicians and patients has always been a priority whereas now, it's rapidly becoming a matter of **compliance with the law**.

In the US the **Needlestick Safety and Prevention Act**, which became effective in August 2001, calls for all US healthcare providers to use medical devices with "engineered sharps-injury protection". In Europe specific legal obligations and official guidelines exist and may apply at both EU and national level. These include:

- **EU Council Directive 89/391/EEC** on Health and Safety of Workers
- **EU Council Directive 89/655** covering Work Equipment
- **EU Council Directive 2000/54/EC** which concerns Biological Agents

Employers must assess risk and prevent workers' exposure to biological threat. They are responsible of adapting their operations to technical progress by using new technologies that can reduce or eliminate risk.

# Magellan Safety Needle is the solution

**Monoject Magellan Safety Needle** is designed to reduce the risk of inadvertent needlestick injuries among healthcare workers. Its specific design features fully conform with FDA, OSHA and NIOSH guidelines. The device consists of a hypodermic needle with an **integral safety shield** that securely and permanently locks over the need-

le after use. With one-handed technique, the needle is easily locked using the thumb, finger or surface. Magellan Safety Needle requires minimum training efforts only. There is no need for any changes in hospital care standards, patient care procedures and handling compared to conventional standard products.

## MAGELLAN instructions for use



1 Open MONOJECT MAGELLAN package by peeling back paper tabs.



2 Remove protective needle sheath.



3 Draw up medication and administer injection, according to institutional protocol.



4a ...thumb



4b ...finger

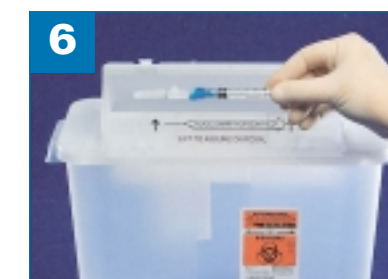


4c ...flat surface.

----- Lock the safety shield using any of the following methods (4a - 4b - 4c) -----



5 Verify locked position through audible and tactile "click". Locked position will completely cover needle tip.



6 Once safety shield is locked, immediately dispose of needle and syringe in an approved sharps container.



### Sources:

EPINet Data. Dee May RGN, DMS. Period of study: July 2000 - June 2001.

Surveillance of occupational exposures in Italy: the SIROH program. G. De Carli, V. Puro, G. Ippolito, and the SIROH group, SIROH 6-2002

RCN Needle Surveillance Project 2000, EPINet UK: on 170 reported incidents.

Device-specific risk of needlestick injury in Italian health care workers. G. Ippolito, G. De Carli, V. Puro, N. Petrosillo, C. Arici, R. Bertucci, L. Bianciardi, L. Bonazzi, A. Cestroni, M. D'Aglio, et al. Lazzaro Spallanzani Hospital for Infectious

Epinet Spain 1996-2000. Hernandez-Navarrete MJ, Arribas-Llorente JL, Campins Martí M, García de Codes Ilario A.

Accidental Blood Exposure Surveillance Data in Europe: An Update. Arnaud Tarantola, MD for the CCLIN Paris-Nord ABE Network correspondents and the GERES. Paris, France. March 2002

Occupational Safety & Health Administration (OSHA), U.S. Department of Labor Directorate of Technical Support, Office of Occupational Health Nursing, October 1997

International Health-Care Worker, Safety Centre, University of Virginia: Uniform Needlestick and Sharp Object Injury Report; 77 Hospitals, 1993-1995 Total Cases: 10.639

# Monoject MAGELLAN Features and Benefits

## MONOJECT SAFETY DEVICES COMPLETE RANGE



Insuline Safety Syringe



Safety Syringe



Tubercoline Safety Syringe



Angel Wing Safety Blood Collection Set



Autodrop Safety Blood Needle Holder System

- **Robust Safety Shield** covers the total length of the needle, maximizes protection from Sharps Injury
- **One-handed technique.** The needle is easily locked using the thumb, finger or surface
- **Device is easy and practical**
- **Safety feature is an integral part of device,** user cannot detach the shield without bending or mutilating the needle
- **User's hands remain behind exposed sharp** to prevent needlestick injury
- **Device doesn't obstruct vision of tip** of the sharp while performing an injection
- **Safety feature operates reliably,** cannot be deactivated and remains protective through disposal
- Available in 13 configurations



### Needle Gauge Colour code

18  
Pink

19  
Cream

20  
Yellow

21  
Green

22  
Black

23  
Blue

25  
Orange

All MONOJECT MAGELLAN Safety Needles are ISO colour-coded

## Monoject MAGELLAN Safety Needle

Code	Description	Colour Code	Packaging
5551850558	Safety Needle – 25 GA x 5/8"	Orange	50/ Box, 500/Ca
5551850358	Safety Needle – 23 GA x 5/8"	Blue	50/ Box, 500/Ca
5551850310	Safety Needle – 23 GA x 1"	Blue	50/ Box, 500/Ca
5551850210	Safety Needle – 22 GA x 1"	Black	50/ Box, 500/Ca
5551850215	Safety Needle – 22 GA x 1-1/2"	Black	50/ Box, 500/Ca
5551850158	Safety Needle – 21 GA x 5/8"	Green	50/ Box, 500/Ca
5551850110	Safety Needle – 21 GA x 1"	Green	50/ Box, 500/Ca
5551850115	Safety Needle – 21 GA x 1-1/2"	Green	50/ Box, 500/Ca
5551850010	Safety Needle – 20 GA x 1"	Yellow	50/ Box, 500/Ca
5551850015	Safety Needle – 20 GA x 1-1/2"	Yellow	50/ Box, 500/Ca
5551850910	Safety Needle – 19 GA x 1"	Cream	50/ Box, 500/Ca
5551850915	Safety Needle – 19 GA x 1-1/2"	Cream	50/ Box, 500/Ca
5551850815	Safety Needle – 18 GA x 1-1/2"	Pink	50/ Box, 500/Ca

\* MONOJECT MAGELLAN is a trademark of Sherwood Services AG.  
© 2003 Tyco Healthcare Group LP. All rights reserved.

M-NS-Mag/GB



**Tyco Healthcare UK Limited**  
154 Fareham Road  
GOSPORT Hampshire  
PO13 0AS  
UK  
Tel: +44 (0) 1329 224226  
Fax: +44 (0) 1329 224334

**Tyco Healthcare Regional Export**  
154 Fareham Road  
GOSPORT Hampshire  
PO 13 0AS  
UK  
Tel: +44 (0) 1329 224258  
Fax: +44 (0) 1329 224086

**Tyco Healthcare Nederland BV**  
Hogeweg 105  
NL-5301 LL ZALTBOMMEL  
The NETHERLANDS  
Tel: +31 418 57 66 00  
Fax: +31 418 57 67 91  
TycoHealthNed@TycoHealth.com  
www.tycohealthcare.nl

**Tyco Healthcare**  
Birchwood Court Montrose Road  
P.O. Box 8108, Halfway House  
1685 MIDRAND  
SOUTH AFRICA  
Tel: +27 (0) 11 265 2000  
Fax: +27 (0) 11 265 2050

**Tyco Healthcare Belgium N.V.-S.A.**  
Generaal de Wittelaan 9/5  
B-2800 MECHELEN  
BELGIUM  
Tel: +32 (0) 15 29 44 50  
Fax: +32 (0) 15 29 44 55  
tycohealthcare.Belgium@tycohealthcare.com

**Tyco Healthcare Norden AB**  
Gårdsvägen 18, Box 710  
SE-169 27 Solna  
SWEDEN  
Tel: +46-8 585 605 00  
Kundservice +46-8 585 605 05  
Fax: +46-8 585 605 06

**Tyco Healthcare Danmark**  
Langebrogade 6E, 4.th.  
DK-1411 København K  
DENMARK  
Tel: +45-70 27 52 50  
Kundeservice +45-70 27 52 50  
Fax: +45-70 27 51 50

**Tyco Healthcare Norge**  
Lokketangen 20  
N-1337 Sandvika  
NORWAY  
Tel: +47-67 80 55 10  
Kundeservice +47-67 80 55 18  
Fax: +47-67 80 55 11

**Tyco Healthcare Finland**  
Köydenpunojankatu 2D, 6 krs, PL 340  
FIN-00181 Helsinki  
FINLAND  
Puh +358-(0)9-6226 840  
Asiakaspalvelu  
+358-(0)9-6226 8418  
Fax: +358-(0)9-6226 8460