Helping you to implement the EU Directive and to achieve Everyday Safety in clinical practice.
In the EU, more than one million needlestick injuries occur every year.¹

Every day, healthcare workers across Europe are at risk of serious infections as a result of needlestick injuries involving over 30 potentially dangerous pathogens, including hepatitis B, hepatitis C and HIV.²

The greatest danger of infection comes from procedures using hollow-bore needles such as blood collection, IV cannulation and percutaneously placed syringes.²

A European Parliament report in 2010 described needlestick injuries as:

“…one of the most serious health and safety threats in European workplaces…”¹

As well as a high cost burden,³ needlestick injuries also cause severe distress.²⁴⁵

Even when a serious infection is not transmitted, the emotional impact of a needlestick injury can be severe and long-lasting as healthcare workers and their families suffer months of anguish while they wait to discover whether they have contracted a potentially fatal infection.²⁴⁵
In 2010, the EU produced a new Directive, designed to achieve:

“…the safest possible working environment by preventing injuries to workers caused by all medical sharps…”

The Directive was drafted by the European Commission and adopted by the European Council of Ministers. It incorporates the EU Framework Agreement on Sharps Injuries negotiated by the European Federation of Public Services Union (EPSU) and the European Hospital and Healthcare Employer’s Association (HOSPEEM), it also responds to the EU Parliament report on needlestick injuries.

Independent studies have shown that training, safer working practices and the use of safety-engineered devices can prevent more than 80% of needlestick injuries.
There is No Time to Delay

The Directive, which must be transposed into national law of all EU member states by 11th May 2013, obliges healthcare organisations to adopt safety measures that protect healthcare workers from needlestick injuries.

Delaying implementation of safety measures means healthcare workers remain at risk.

May 2013

<table>
<thead>
<tr>
<th>S</th>
<th>M</th>
<th>T</th>
<th>W</th>
<th>T</th>
<th>F</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>12</td>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>27</td>
<td>28</td>
<td>29</td>
<td>30</td>
<td>31</td>
<td></td>
</tr>
</tbody>
</table>

The Directive applies to all hospital and healthcare workers, whether they are full-time staff, part-time staff or subcontractors. It provides clear guidance on risk assessment, prevention and protection, information and awareness, training, reporting, response and follow-up.

Many healthcare organisations across Europe – recognising the ethical and economic reasons for improving healthcare worker safety – have put into practice improved safety measures in advance of the impending legislation.
From the Company
Built on Safety

At BD, we have been helping healthcare workers to stay safe for more than 85 years.

BD is committed to raising awareness of the risks faced by healthcare workers and the methods for improving safety.

Our Company’s goal is to educate and inform institutions and the people at risk.

BD has made significant investments, as well as dedicating human resources and technical know-how to the task of reducing sharps injuries. With over $500 million already invested in manufacturing and R&D, along with the approval of 75 new patents for safety devices over the past 12 years, BD leads the world in providing the means for reducing healthcare worker needlestick injuries.

Is there any other Company better placed to help you meet the EU Directive?
# At a Glance

## BD Medical

BD Medical is among the world’s leading suppliers of medical devices. We have been a leading innovator in injection and infusion-based drug delivery since 1906, when the Company built the first-ever facility in the U.S. to manufacture needles and syringes. The BD Medical segment is focused on providing innovative solutions to reduce the spread of infection, enhance diabetes treatment and advance drug delivery.

### Customers Served
- Hospitals and clinics
- Doctors’ surgeries
- Pharmacies
- Governmental and non-profit public health agencies
- Pharmaceutical companies
- Healthcare workers

## BD Diagnostics

BD Diagnostics is a leading provider of products for the safe collection and transport of diagnostics specimens, as well as instruments and reagent systems to accurately detect a broad range of infectious diseases, healthcare-associated infections (HAIs) and cancers. The BD Diagnostics segment focuses on improving health outcomes for patients by providing laboratories with solutions that improve quality, enhance laboratory system productivity and inform medical decisions.

### Customers Served
- Hospitals, laboratories and clinics
- Reference laboratories
- Blood banks
- Healthcare workers
- Public health agencies
- Doctors’ surgeries
- Industrial and food microbiology laboratories

## BD Biosciences

BD Biosciences is a world leader in bringing innovative diagnostic and research tools to life scientists, clinical researchers, laboratory professionals and clinicians who are involved in basic research, drug discovery and development, biopharmaceutical production and disease management. The BD Biosciences segment is focused on continually advancing the science and applications associated with cellular analysis and products that help grow living cells and tissue.

### Customers Served
- Research and clinical laboratories
- Academic and government institutions
- Pharmaceutical and biotechnology companies
- Hospitals
- Blood banks
Products
- Needles and syringes
- Intravenous cannulae
- Safety-engineered devices
- Insulin syringes and pen needles
- Regional anaesthesia
- Sharps disposal containers

Products
- Safety-engineered blood collection products and systems
- Integrated systems for specimen collection
- Automated blood culturing systems
- Molecular testing systems for sexually transmitted diseases and HAIs
- Micro-organism identification and drug susceptibility systems
- Liquid-based cytology systems for cervical cancer screening
- Rapid diagnostic assays
- Plated media

Products
- Fluorescence-activated cell sorters and analysers
- Monoclonal antibodies and kits for cell analysis
- Reagent systems for life science research
- Cell imaging systems
- Laboratory products for tissue culture and fluid handling
- Cell culture media and supplements for biopharmaceutical manufacturing
Everyday Procedure
Everyday Hazard
Everyday Safety

**BD Vacutainer® Push Button Blood Collection Set**

*Safety at the push of a button*

- Provides split-second protection against needlestick injuries
- In-vein activation irreversibly retracts the needle in a split second, locking it safely out of harm’s way
- Intuitive design makes blood collection safer without compromising patient care

**BD Vacutainer® Eclipse™ Blood Collection Needle**

- Built-in safety shield in alignment with the bevel of the needle
- The safety shield permanently locks into place, significantly reducing the risk of needlestick injuries
BD Vacutainer® Push Button Blood Collection Set with Pre-Attached Holder

- Pre-attached holders also eliminate steps in the blood collection process, helping to save time and improve efficiency.

BD Vacutainer® Eclipse™ Blood Collection Needle with Pre-Attached Holder

- Pre-attached holders minimise the risk of accidental needlestick injuries from the holder end of the device.

Everyday Procedure
Everyday Hazard
Everyday Safety

BD Vacutainer® Safety-Lok™ Blood Collection Set
• Single-handed safety activation with irreversible locking mechanism, confirmed with an audible click

BD Preset™ Eclipse™ Arterial Blood Collection Syringe
• Offers enhanced safety for arterial blood collection

BD Preset™ syringes are used for critical care testing on arterial blood. The syringe plunger can be preset to a desired volume

BD Microtainer® Contact-Activated Lancet

- Activates on contact when positioned and pressed against the skin
- Allows for easier sampling and covers a small area at contact point, which improves visibility of the desired puncture site

BD Microtainer® Quikheel™ Lancet

- The extra-thin surgical steel blade is permanently retractable – minimising the possibility of injury and preventing re-use
- Designed for heelsticks in premature infants, newborns and babies
Everyday Procedure
Everyday Hazard
Everyday Safety

BD Eclipse™ with SmartSlip™ Technology
• Ensures protection from needlestick injuries after injection
• Same safety mechanism as the proven BD Eclipse™ Blood Collection Needle
• Unique SmartSlip™ Technology helps to ensure a secure connection to Luer slip syringes

BD™ Blunt Fill and BD™ Blunt Filter Needles
• Specifically designed for safe injection preparation
• Eliminates an unnecessary sharp
• 10 x the force to penetrate the skin, compared to a conventional needle
• 5 micron filter to remove particulate from infusion
BD Venflon™ Pro Safety

- Developed to help minimise the risk of blood splash and needlestick injuries
- Reduction of blood exposure
- Robust needle tip protection

BD SafetyGlide™ Needle with Activation-Assist™ Technology

- A shielding needle technology providing quick and easy activation
- Unobtrusive low profile safety mechanism
- Available in a full array of sizes
Everyday Procedure
Everyday Hazard
Everyday Safety

BD Nexiva™ Closed IV Catheter System
• Automatic needle safety mechanism designed to reduce needlestick injuries
• Integrated closed system reduces the risk of contamination and infection
• Built-in stabilisation platform helps to minimise catheter movement and displacement in the vein

BD Insyte™ Autoguard™
• The safety feature fully encapsulates the entire needle
• Greater first stick success for difficult or compromised veins
• BD Instaflash™ needle technology – provides immediate confirmation of vein access
BD AutoShield® Safety Pen Needles

• Safety – Shield automatically locks after injection to prevent against needlestick injuries
• Comfort – Broad shield reduces pressure on skin and needle is hidden from view
• Confidence – 5 mm safety pen needle reduces risk of intramuscular injection
• Compatibility – Compatible with all Pen Injectors, suitable for all patients

BD SafetyGlide™ Syringe with Tiny Needle Technology

• Easy to use single hand activation
• Safe and secure with visible lock
• Fingers remain behind needle at all times
Everyday Procedure
Everyday Hazard
Everyday Safety

- In the EU, more than one million needlestick injuries occur every year\(^1\)
- The EU Directive on the Prevention of Sharps Injuries in the Hospital and Healthcare Sector must be transposed into national law of all EU member states by 11th May 2013
- BD is a leading developer of safety-engineered devices

Is there any other Company better placed to help you meet the EU Directive?

BD Safety Hotline: 01865 781699
Email: safety@bd.com
www.bd.com/uk

References