



2012 Sustainability Report



Helping all people
live healthy lives

About BD

BD is a leading global medical technology company that develops, manufactures and sells medical devices, instrument systems and reagents. We are dedicated to improving people's health throughout the world. BD is focused on improving drug delivery, enhancing the quality and speed of diagnosing infectious diseases and cancers, and advancing research, discovery and production of new drugs and vaccines. Our capabilities are instrumental in combating many of the world's most pressing diseases. Founded in 1897 and headquartered in Franklin Lakes, New Jersey, we employ nearly 30,000 associates in more than 50 countries throughout the world. We serve healthcare institutions, life science researchers, clinical laboratories, the pharmaceutical industry and the general public.

Business Segments (FY 2012 Revenues)

BD Medical

REVENUE: **\$4.091 billion**

BD Medical is among the world's leading suppliers of medical devices and 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.

BD Diagnostics

REVENUE: **\$2.538 billion**

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.

BD Biosciences

REVENUE: **\$1.080 billion**

BD Biosciences is a world leader in bringing innovative diagnostic and research tools to life science researchers, 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.

FY 2012 Revenues: 7.708 Billion
NYSE: BDX
Founded: 1897

About This Report

This report covers global social and environmental progress and performance during our fiscal year 2012 (October 1, 2011, to September 30, 2012) for BD and our subsidiaries, unless otherwise stated. This report supplements information in our [2012 Annual Report](#). We report annually on our sustainability performance — our last report was published in May 2012.

Reporting and performance data includes information on BD's owned and operated facilities. We continually work to ensure that reporting on key sustainability performance indicators is as accurate and robust as possible. In accordance with this principle, we have restated 2008 baselines across our environmental performance metrics for our global operations due to the divestiture of the majority of our BD Biosciences – Discovery Labware unit, and because of improved quality checks on our data collection and analysis systems. This is our first year of benchmarking against these new baselines.

We have self-assessed this report against the Global Reporting Initiative (GRI) G3.1 Framework at a B application level.

For more information about BD, please visit www.bd.com and read our [2012 Annual Report](#).

To find out more about sustainability at BD, or to provide feedback on our reporting, please contact BD's Office of Global Sustainability at BD_Sustainability_Office@bd.com.



Sustainability: An Essential Element of BD To Our Stakeholders:

This is my first sustainability letter to stakeholders as Chairman, CEO and President of BD. It is a pleasure to share this report with you.

When BD was founded in 1897, the world was a very different place than it is today. The discovery and manufacture of insulin was more than 20 years in the future, and HIV/AIDS was unknown. Yet, even then, BD used its technologies, resources and institutional knowledge to help improve human health. Today, BD sees the modern social and environmental challenges our world faces as opportunities to again make a difference while strengthening our company.

We believe the principles of shared value — creating value for shareholders by strengthening communities and addressing healthcare challenges of societies — are fundamental to our strategy. For decades, BD's technologies and institutional knowledge have been applied for positive societal impact worldwide. We seek to further embed these capabilities more broadly in the Company to enhance our growth potential, societal impact and overall sustainability for decades to come. Creating shared value manifests itself in many ways, such as helping to build essential healthcare capacity in developing nations. For example, in sub-Saharan Africa, where more than 22 million people live with HIV, our work with the President's Emergency Plan for AIDS Relief over the last six years has demonstrated how the private sector can make a positive impact on healthcare by applying its technologies and expertise.

People's health is inextricably linked to the health of the environment, and this is why we aspire to become the most environmentally responsible company in our industry. Each year, we measure our performance against our 2015 Sustainability Targets, which focus on the environment. We have already met four of our five targets and are making excellent progress on the fifth.

There is no finish line in sustainability. Having made progress against our targets, we owe it to ourselves and to you, our stakeholders, to stretch ourselves by establishing ambitious new targets in areas beyond environmental sustainability. We plan to develop these in 2013.

We are moving ahead in other areas. Our progress includes working with the Chinese Ministry of Health to help improve hospital infection control; improving safety at our workplaces; launching a comprehensive anti-bribery and anti-corruption program; and bolstering efforts to ensure the safety and environmental performance of our products.

Of course, our progress is impossible without the enthusiastic support of our associates around the world. I thank them for their passion and determination to keep BD striving to fulfill our purpose of *Helping all people live healthy lives*.

A handwritten signature in blue ink that reads "Vincent A. Forlenza".

Vincent A. Forlenza
Chairman, Chief Executive Officer
and President
May 2013

How We View Sustainability at BD

We view sustainability as a portfolio of complementary initiatives and actions that combine to help us achieve our purpose of *Helping all people live healthy lives*.

By melding the principles of sustainability, shared value, citizenship and philanthropy, BD can maximize our benefit to society. We do this by applying the most appropriate resources and skills to any challenge, anywhere we do business.

The principle of shared value — creating economic value in a way that *also* creates value for society — is fundamental to our overall sustainability strategy. The value we provide to society by helping address unmet health needs has strengthened our businesses while creating new value for our diverse stakeholders.

Areas of Focus

We have identified five areas that are the most important to us, our stakeholders and our business, and we have made them the focus of our sustainability efforts:



Shared value is important in terms of how we integrate sustainability into our business. For example, the shared value idea that healthy lives depend on healthy environments helps inform — and is complementary to — the steps we have already taken to address social and environmental issues material to our organization.

Our application of shared value is progressing. For example, BD was the first company to establish a formal executive education curriculum and workshop on creating shared value, within our internal BD University, in collaboration with Professor Michael Porter of Harvard University. Over the coming years, we will work to more deeply integrate these principles into our corporate strategy — and further embed these capabilities as sources of competitive advantage and social value.

Guiding our Business with Good Governance and Ethics. All of our sustainability work begins and ends with a commitment to the most ethical business practices. Our sustainability efforts are governed by BD’s Management Committee, which maintains a dialogue with our stakeholders, our businesses and our associates about issues relevant to each group.

Addressing Unmet Health Needs. We work to address the world’s unmet health needs by collaborating with governments, international agencies and nongovernmental organizations (NGOs) and by deploying our products and institutional knowledge. Our Global Health function is achieving a lasting, positive impact in areas such as battling the HIV/AIDS and TB pandemics and strengthening health and laboratory systems in developing countries.

Ensuring the Safety and Environmental Performance of Our Products. Maintaining the quality and safety of our products is paramount. We continually focus on social and environmental concerns from the quality and life cycle of our products to the safety of patients and healthcare workers.

Protecting and Preserving the Environment. We focus our environmental thinking on improving the impact of our operations as well as our products. Sustainable operations and product stewardship have the greatest potential to help BD protect the environment and prepare for issues such as climate change and resource scarcity.

Making BD an Even Better Place to Work. In more than 50 countries around the world, nearly 30,000 BD associates work every day to help us achieve our purpose of *Helping all people live healthy lives*. In turn, we make every effort to ensure their health, safety and professional development.

Stakeholder Engagement

Engaging with a wide variety of stakeholders on social and environmental issues helps us shape our sustainability strategy. Because we are a multinational company, regular dialogue with stakeholders in all regions where we do business is essential to our success and part of creating shared value for BD and our stakeholders.

Our key stakeholder groups are:

- Customers
- Shareholders
- BD associates
- Business partners
- Communities where we have operations
- Governments
- International agencies
- Non-governmental organizations

During 2012, we engaged with each of these stakeholder groups through a variety of methods:

Customers: In a fast-changing environment, it is vital for BD to understand what our customers value most in order to develop products and services that will best meet their needs. In 2012, we initiated work that:

- Clarifies how our customers differ and what they value most
- Creates additional collaborations
- Ensures that new products and services we develop will meet and exceed the needs of our target customers

To accomplish these objectives, we have started a deeper engagement with BD customers in our acute care markets in Canada, Western Europe and the U.S. The customer insights we gain from these engagements provide us with the data we need to drive innovation.

Shareholders: We engage with shareholders primarily through in-person meetings and at conferences. We respond to surveys and questionnaires from socially responsible investment firms.

BD associates: We emphasize various forms of internal communications, including Town Hall Meetings held at the corporate and business levels to engage associates in BD's strategy and performance. This year, we introduced new technology to engage associates. For example, Yammer, a private corporate social network, is now available to all BD associates.

Business partners: We are engaging suppliers to help advance our product stewardship and environmental performance programs and work with them to develop innovative improvements that create value throughout our supply chain.

Communities: We develop relationships with teaching institutions in communities where we have significant operations to help develop the skill sets required at our manufacturing locations. A key imperative for our Country General Managers is to engage with a variety of stakeholders to understand the health system priorities in their countries and align BD's capabilities to these priorities. In many countries, our associates engage in company-organized volunteer efforts to support community-based programs.

Governments: Our country general managers and Public Policy team meet with policy makers at the agency and legislative levels in many countries to enhance our understanding of the priorities of governments. From these engagements, we seek ways to deploy the Company's capabilities, products and innovation efforts to help support and achieve national health objectives. We also share the Company's expertise and global experience in our key focus areas.

International agencies: We engage with UN agencies such as the World Health Organization (WHO), UNICEF, the Joint United Nations Programme on HIV/AIDS (UNAIDS) and other international and intergovernmental organizations through collaborations that aim to address pressing global health needs. We routinely pursue these types of collaborations as an integral part of our business model in countries throughout the world.

Non-governmental organizations: We continue to engage with our strategic partners — including NGOs and relief organizations — through personal meetings, collaborative initiatives, site visits and update reports to strengthen our relationships and improve how we serve those in need. We also engage with environmental NGOs interested in increasing sustainable practices in healthcare.

2012 Stakeholder Sessions

In 2012, we sought feedback from internal and external stakeholders on our sustainability reporting and performance. We convened a group of eight sustainability influencers — including academics, investors, peers and representatives from NGOs and think tanks — and a group of 10 BD associates from varying functions and business segments. Feedback from these two groups has been considered and incorporated into this report.

The table below summarizes key feedback we received from these groups and our plan for addressing each issue.

Issue Raised by Stakeholders	BD Response and Action
<p>Set longer-term sustainability targets and introduce measurable goals for social performance.</p>	<p>We have engaged an internal stakeholder group to begin work on our next set of sustainability targets, which will expand beyond environmental indicators. The group has representatives from areas of the business that can significantly affect our pursuit of sustainability. We plan to report progress on these efforts in our next Sustainability Report.</p>
<p>Provide examples of business benefits contributed by sustainability initiatives.</p>	<p>In this report, we demonstrate how sustainability contributes to BD’s financial and business performance through case study examples. For example, efficiencies implemented at BD’s Miami manufacturing facility are expected to save approximately 6.7 million gallons of water and \$115,000 annually. See page 32.</p>
<p>Help associates and customers understand the connection between BD’s purpose and sustainability.</p>	<p>This year, we crafted our suite of sustainability communications to appeal to both technical audiences (such as investors and sustainability influencers) and nontechnical audiences (such as customers and associates). This report is comprehensive and technical in that it covers the breadth and depth of our company-wide sustainability efforts. Our sustainability brochure for nontechnical readers helps to tell BD’s sustainability story through engaging examples and design.</p>

Public Policy Work

We seek to understand the views of a broad spectrum of stakeholders, including patients, healthcare professionals, trade organizations, nongovernmental organizations and policy makers.

Our approach is collaborative, constructive and fact-based. We advocate for the implementation of best-practice solutions that improve public health, prevent disease and enhance the safety of patients and healthcare professionals. To communicate the Company’s position on key public health issues, we have formulated global and comprehensive public policy positions on:

- Best practice in public sector health technology assessment
- Diagnosis and treatment of tuberculosis (TB) for effective patient care and control of antibiotic resistance
- Preventing needlestick and other blood exposures
- Preventing and controlling healthcare-associated infections
- Preventing the reuse of single-use medical devices
- Preventing cervical cancer through early detection

Our Country General Managers work with policy makers and other external stakeholders in their countries to help meet local healthcare needs. For example, BD is helping facilitate access to international experts to accelerate development of a more robust infection control infrastructure in China. In 2012, BD signed a memorandum of understanding with the Chinese Ministry of Health to help the government develop a model for hospital infection control that can be

replicated throughout the country. In 10 of our countries/regions, BD employs public policy professionals to support the work of our Country General Managers.

BD is a member of several leading industry associations that represent the medical technology industry in countries around the world, including the Advanced Medical Technology Association (AdvaMed), AdvaMedDX, MedTech Europe, California Healthcare Institute, HealthCare Institute of New Jersey and North Carolina Biotechnology Association. We are also a member of the local chapters of the American Chamber of Commerce in many countries.

In addition, we are active participants in issue-oriented coalitions, including:

- Safe Injection Practices Coalition, which seeks to educate healthcare providers about the appropriate use of drug delivery devices and medication containers
- United for Medical Research (UMR), a coalition of academic research organizations, patient and disease groups, and industry working together to support medical research funding

All of our associates are bound by the BD Code of Conduct and the [Advanced Medical Technology Association \(AdvaMed\) Code of Ethics on Interactions with Health Care Professionals](#) and/or the [MedTech Europe Code of Ethical Business Practice](#), as applicable. The Codes of each of these organizations require the highest standards of professional integrity.

Fighting Healthcare-Associated Infections (HAIs)

BD works with a number of NGOs and other stakeholders to seek ways to prevent and control HAIs, which are infections that patients contract in a healthcare facility. HAIs result in serious clinical, public health and economic costs to patients and healthcare systems, as well as increased antimicrobial resistance. The World Health Organization (WHO) estimates that HAIs affect hundreds of millions of patients worldwide each year and are a “hidden, cross-cutting problem.”

While many HAIs are largely preventable through the use of evidence-based infection control practices, supported by sound public policy, one quarter of all patients admitted to hospitals in developing economies, and up to 12% in developed economies, acquire HAIs, making the infections a leading cause of preventable morbidity and mortality. In 2012, more than 150 representatives from 18 Asia-Pacific Economic Cooperation (APEC) member economies, WHO, the Asian Development Bank, the International Nosocomial Infection Control Consortium (INICC) and the Asia Pacific Society of Infection Control (APSIC) met to discuss ways governments, patients, the private sector and academia could work together to improve HAI prevention and control.

The APEC High-Level Workshop on Reducing the Economic Burden of HAIs, which included BD’s Kathy Warye, Vice President of Infection Prevention/Infectious Diseases, and Chris Colwell, Director, Worldwide Public Policy, recommended three steps APEC Member Economies should take to begin reducing the huge economic burden of HAIs in their economies:

- Invest in infection prevention and control policies and programs
- Enhance data collection and surveillance
- Encourage partnerships and collaborations to help tackle the HAI burden

The workshop also called on governments to recognize the economic and public health burden of HAIs and encouraged APEC member economies to work with stakeholders to reduce the incidence of HAIs by establishing surveillance systems, baseline measurements and targeted reduction goals by 2015. APEC will continue the dialogue on HAIs when it meets in Indonesia in June 2013.

Political Contributions

Our corporate policy prohibits the expenditure of company assets for political campaigns without the express authorization of the CEO or CFO, compliance with company policies and all applicable laws and clearance from the BD Law Group. Contributions outside the U.S. must also be approved by the relevant country leader and country CFO. In the United States, BD maintains a federal political action committee (PAC) that is funded by voluntary contributions from our associates. In 2012, our PAC donated \$64,000 to candidates for federal office. BD does not operate any PACs at the U.S. state level.

Our general prohibition against the use of corporate funds for political campaigns extends to Super PACs. We have also advised the major industry associations of which we are a member that we do not authorize them to use any portion of our dues or other funds for Super PACs or any other political campaign purpose.

Guiding our Business with Good Governance and Ethics

BD 2012 Performance Highlights

- Updated and extended ethics and compliance training
- Expanded a comprehensive anti-bribery and anti-corruption program
- Established a company-wide human rights policy

At a minimum, we remain committed to ethical operations and compliance with laws and regulations. Our senior management sets the tone by example and constant reinforcement of our Core Values:

- We treat each other with respect
- We do what is right
- We always seek to improve
- We accept personal responsibility

Governance Principles

BD has practiced strong corporate governance throughout our history. Our [Corporate Governance Principles](#) outlines how we hold ourselves accountable to our shareholders and stakeholders.

These principles include the role of the lead director, stock ownership guidelines for directors, the director election process, and the procedure enabling shareholders and others to communicate directly with Board members.

Board Composition

We are committed to maintaining a diverse Board of Directors. At the end of 2012, BD was governed by a Board consisting of 15 members, 14 of whom are independent. Twelve members are male and three are female. The Board includes six members of diverse backgrounds: three women, two African-Americans and one Egyptian.

There are five standing Board committees:

- Audit
- Compensation and Benefits
- Corporate Governance and Nominating
- Executive
- Science, Marketing, Innovation and Technology

Executive Compensation

The BD compensation program is intended to fully support our strategic business goal of delivering superior long-term shareholder returns through sustained revenue growth, earnings per share growth, return on capital and other metrics. We aim to ensure a high degree of alignment between pay and BD's long-term value and financial security. To this end, the Compensation and Benefits Committee of the Board of Directors has established the following compensation principles:

- Aligning the interests of executives and shareholders
- Linking rewards to performance
- Delivering superior business and financial results
- Offering a competitive compensation structure
- Maintaining a transparent compensation structure
- Maintaining Committee independence
- Retaining prerogative to adjust programs

Adjustments to executive compensation, including management bonuses, include the executives' adherence to Core Values, ethical behavior and compliance with applicable laws worldwide.

Sustainability Governance

Our sustainability efforts are governed by BD's Management Committee, which maintains a dialogue with our stakeholders, our businesses and our associates about issues relevant to each group.

The Board of Directors — as a Board or through its Committees — also oversees several sustainability-related issues, including:

- Community relations
- Employment practices
- Environment, health and safety
- Ethics and enterprise compliance

In addition, the Corporate Governance and Nominating Committee oversees matters that involve the Company's image and reputation and our standing as a responsible corporate citizen.



[View BD's
Code of Conduct](#)

Ethics and Compliance

BD is committed to a strong ethics and compliance culture. We do not tolerate actions or behaviors that are inconsistent with our Core Values or violate the BD Code of Conduct or applicable laws or regulations. All BD associates are responsible for reinforcing our strong ethics and compliance culture and sustaining BD's reputation as a company dedicated to quality and integrity.

As a global company, we embrace the ongoing challenge of keeping pace with changing and complex laws and regulations around the world and the associated and varying compliance demands in the countries where we operate. BD addresses this challenge through various coordinated efforts, including systems, policies and procedures, training, monitoring and auditing.

BD Code of Conduct

Our Code of Conduct is a global document for all BD associates to review and understand what is expected of them and their behavior while working at BD. The Code is available in English and 16 other languages. The key elements of the BD Code of Conduct are:

- The Basics (BD Core Values, Expectations of Associates and People Managers, and Voicing Questions and Concerns)
- Conflicts of Interest
- Integrity within the Company
- Integrity in Dealing with Others

[The BD Code of Conduct](#), which was last updated in 2011, is available online.

Ethics and Compliance Training

BD provides “Doing What is Right” ethics and compliance training to new employees and current associates. The training, which includes an annual BD Code of Conduct course and covers various topics from the Code, is provided when associates are hired, and then annually. Additional topics on which associates are trained, as appropriate, include anti-corruption, information protection, financial integrity and global competition. In 2012, we added a number of new training modules, including the updated BD Code of Conduct, UK Bribery Act, Ethical Decision Making, and Ethics and Values.

Anti-Bribery and Anti-Corruption

BD’s anti-bribery and anti-corruption program is called Compass to keep associates pointed in the right direction. Compass consists of two complementary functions:

- **Commercial Assurance** provides compliance resources to regional and local country management to enhance their anti-corruption and compliance business practices. That includes incorporating compliance requirements into existing business practices and advising local management on anti-corruption compliance-related issues.
- **Distributor Excellence** enhances our ability to manage and monitor our distributor networks on a local basis, resulting in stronger business relationships while upholding BD’s reputation.

Together, these functions advance the Compass program by fostering collaboration with business leaders to deliver consistent and clear policies and approval processes — along with enhanced third-party due diligence procedures — to help provide assurance that BD is “winning business the right way.” The two new functions have also formed a virtual community to share best practices and leverage experiences and materials, including global “Rules of the Road” policy standards adapted locally and the delivery of key anti-corruption messages to BD associates.

Reporting Ethics Concerns

BD associates have an obligation to report any suspected ethics violations. They can be reported in a number of ways, including the BD Ethics HelpLine. Available 24/7 to all BD associates worldwide, the HelpLine provides translation services as needed. Associates can also report ethics violations to their supervisor, management or Human Resources.

In FY 2012, the Ethics Office received more than 250 contacts from associates worldwide seeking guidance or reporting concerns. BD takes all contacts seriously, investigates concerns and takes action as appropriate. Depending on the findings, corrective action may be taken, including discipline up to and including termination of employment.

Ethics in the Medical Community

BD was an early adopter of the Advanced Medical Technology Association (AdvaMed) Code of Ethics on Interactions with Health Care Professionals. BD associates receive information and training about AdvaMed in a number of ways, including periodic communications and online and in-person trainings at conferences and meetings. Associates can access detailed information about the AdvaMed Code, FAQs about the AdvaMed Code and other relevant information on BD's intranet. BD also follows a variety of medical devices industry codes outside of the U.S., such as Eucomed Code of Ethical Business Practices.

Human Rights

At BD, we are committed to operating in a way that respects the human rights of all associates, as well as the people in our supply chains and the communities in which we operate. Our human rights policy recognizes that while governments have the primary responsibility to protect human rights, our activities have the potential to impact the human rights of individuals affected by our business. In all of our operations:

- We provide a safe and healthy workplace for our associates.
- We do not use child labor.
- We do not use forced, prison, indentured, bonded or involuntary labor.
- We prohibit discrimination in our hiring and employment practices.
- We prohibit physical abuse and harassment of associates, as well as the threat of either.
- We support the freedom of association and the rights of workers and employers to bargain collectively.

We believe that all people should be treated with dignity and respect. We are committed to conducting our business in a manner consistent with this principle and we comply with applicable employment and human rights laws and regulations wherever we have operations; we expect our suppliers to do the same. Our human rights policy is summarized in our [Code of Conduct](#), which all associates review and receive training on annually.

Addressing Unmet Health Needs

BD 2012 Performance Highlights

- Launched Labs for Life — a new collaboration with the U.S. President's Emergency Plan for AIDS Relief (PEPFAR) to strengthen health systems in the developing world
- Provided more than 1.7 million auto-disable syringes and 150,000 sharps disposal containers for the Haiti immunization campaign
- Funded training in diagnostics as part of 3-year partnership with Project HOPE to prevent cervical cancer in China
- Gave a total of \$12.5 million in cash and in-kind product donations

Throughout BD's history we have applied our technologies, resources and knowledge to help address the world's unmet health needs, fulfilling our corporate purpose of *Helping all people live healthy lives*. This has enabled us to create value for society and BD. Our Global Health Initiative is a center of excellence for creating shared value at BD. It focuses on strengthening healthcare systems and increasing access to healthcare in the developing world by:

- Increasing access to state-of-the-art medical technologies and services
- Building health system capacity and improving quality of care
- Investing in new technologies
- Addressing the root causes of and social challenges leading to disease spread

We work with our strategic partners — including governments, international agencies, nongovernmental organizations and research institutions — to determine how best to serve those in need. This collaborative approach, which may include philanthropy, helps strengthen communities and our business.

Enhancing Access to Technologies

We focus on meeting healthcare needs where BD can have the greatest impact, including treating diabetes, diagnosing and monitoring infectious and non-communicable diseases, and safely delivering immunizations to children.

Diabetes Prevention and Management

Nearly 20 million people in the United States are medically underserved and depend on community clinics and health centers (CCHCs). BD and Direct Relief have pledged to invest in a multiyear initiative to enhance care and expand access for underserved people by providing critical medical supplies and cash contributions. Direct Relief supports the work of healthcare providers in the U.S. and in more than 70 countries, equipping them with the medicines, supplies and equipment they need to care for their patients.

Women's Health and Cancer

As a leading provider of diagnostic products for breast, cervical and ovarian cancers, we collaborate with organizations that address women's health and cancer. These collaborations enable us to expand the reach of our products and technology and assist those who need help.

12,000

Number of women screened for cervical cancer — part of a BD-funded, early detection program

Pink Ribbon Red Ribbon®

This innovative partnership was established to unite public and private investments in global health to combat cervical and breast cancer — two of the leading causes of cancer death in women — in sub-Saharan Africa and Latin America. The program goals are to reduce deaths from cervical cancer by 25% among women screened and treated through the partnership; increase access to breast and cervical cancer prevention, screening and treatment; and create innovative models that can be scaled up and deployed globally. BD's commitment to Pink Ribbon Red Ribbon is to help achieve widespread, sustainable access to state-of-the-art cervical cancer diagnostic technology by deeply discounting the price of our cervical cancer diagnostic tests in these countries. The collaboration is led by the George W. Bush Institute, PEPFAR, Susan G. Komen for the Cure and UNAIDS.

National Cancer Coalition

In 2012, 12,000 women of Cusco, Peru, and its surrounding mountainous communities underwent cervical cancer screening using the BD SurePath™ liquid-based cytology technology as part of a BD-funded early-detection program. The program assists women with positive results in determining and locating the next level of quality care they require. These efforts are a part of a multiyear financial and programmatic commitment to the National Cancer Coalition (NCC) in support of its work to reduce cervical cancer morbidity and mortality in Peru by providing cytology screening and any required treatment for up to 75,000 at-risk women.

700

Number of health professionals trained in advanced cervical cancer diagnostic procedures through a BD and Project HOPE partnership

Project HOPE

To promote women's reproductive health, BD - China and Project HOPE are partnering on a cervical cancer prevention program with healthcare facilities and local government agencies through September 2014. The program addresses significant issues in cervical cancer prevention, screening and diagnosis by providing training to health professionals and through public health education. BD is supporting the program by funding training in advanced cervical cancer diagnostic procedures. More than 700 pathologists and gynecologists have been trained through the program, and almost 600 migrant women have received free education and screenings.

American Cancer Society

In 2012, our Patient Navigation Grant to the American Cancer Society enabled the organization to help nearly 3,500 Northern New Jersey cancer patients effectively navigate their cancer experiences. The American Cancer Society Patient Navigator program focuses on people who are uninsured, medically underserved and impoverished.

“ As one of the innovators in medical and diagnostic technology in China, BD's commitment goes well beyond production and distribution of our products. BD is also engaged in sharing our knowledge and experience with the nation's healthcare professionals in cervical cancer diagnosis, and using our resources to increase understanding of the importance of diagnosis and prevention of cervical cancer among China's women. ”

*Samuel Tong, Business Director,
BD Diagnostics, BD - China*

Donating Products to Improve Women's Health

In 2012, we donated products to Direct Relief that benefited women throughout the world. For example:

Fistula Repair Surgery

An estimated 2 million women worldwide suffer from obstetric fistula, a devastating childbirth injury caused by prolonged and obstructed labor. Fortunately, fistula can be repaired through surgery. The availability of treatment is expanding as more doctors are trained to provide the procedure, and as more women with fistula are identified.

In 2012, Direct Relief delivered critical supplies necessary for fistula repair surgery and post-operative care, including BD needles and syringes, surgical instruments, medications and other supplies, to hospitals in Bangladesh, Kenya, Liberia, Niger, Pakistan and Somaliland. These products helped thousands of women obtain life-restoring surgery.

Women's Incentive Program in Haiti

BD's donation of needles and syringes to Direct Relief, which distributed them to eight maternity hospitals in Haiti, has enhanced the facilities' ability to protect and improve the health of pregnant women. The donation is part of a Direct Relief program designed to reduce the rates of maternal and infant mortality by encouraging more women to receive prenatal care and to give birth at a facility equipped to provide emergency obstetric care. Direct Relief has provided equipment to upgrade operating theaters in five hospitals, distributed more than 1,000 incentive kits to encourage women to come to a hospital for delivery and supplied more than 5,000 rapid HIV tests to test pregnant women. The project is now formally recognized by USAID in Haiti as its "Center of Excellence" project.

2.5

MILLION

Number of Haitian children vaccinated for measles, rubella and polio

\$3.8

MILLION

Amount donated in cash and products to disaster and humanitarian relief efforts

Immunization

BD is a leading innovator in injection-based drug delivery. The Company's innovations have helped ensure that immunizations are delivered safely to children in developing and emerging countries. We regularly donate these devices and other BD products, such as alcohol swabs and sharps collectors, to support immunization programs run by our Trusted Partners. These efforts are having a positive impact in many parts of the world.

National measles and rubella campaign in Haiti. We collaborated with the CDC Foundation, in conjunction with Direct Relief, to vaccinate 2.5 million Haitian children for measles, rubella and polio in a national campaign established by the Haitian Ministry of Public Health. The 2012 immunization campaign significantly increased vaccination coverage among children. Following a vaccination campaign conducted in 2010 after the earthquake, measles coverage was 65% among children aged 9 months to 5 years. Following the 2012 campaign, 91% of children sampled had been vaccinated against measles and rubella. This campaign was one element of the CDC Foundation's \$3.2 million partnership to strengthen Haiti's public health infrastructure.

Global maternal and neonatal tetanus (MNT) elimination initiative. BD has been a pioneer among UNICEF's corporate partners to help eliminate maternal and neonatal tetanus (MNT) worldwide by 2015. Since 1997, BD has donated more than \$6 million and 22 million prefilled injection devices to the MNT elimination efforts of UNICEF and its partners. To date, 29 of the 59 at-risk countries have eliminated MNT.

Catholic Medical Mission Board. Our product donations of auto-disable syringes, sharps collectors and alcohol swabs support human papillomavirus (HPV) immunization programs in Honduras, Ghana, Uganda and Zambia. The HPV vaccine is used to prevent certain types of HPV and most cases of cervical cancer.

Project HOPE. BD products are essential elements of immunization programs in the Dominican Republic and Nicaragua. We provide auto-disable syringes, sharps collectors and alcohol swabs for a variety of immunizations.

Alleviating Suffering in Emergency and Non-Emergency Settings

From hurricanes and tornadoes to earthquakes and severe storms, in times of disaster, BD looks to one of our Core Values: "We do what is right." We encourage associates to give to nonprofit partners working in disaster zones, and we contribute corporate dollars and products to aid victims. We also help people prepare for disasters. BD routinely provides products to long-standing partners for disaster relief, as well as for ongoing programs. Having products readily available in case of a disaster enables our partners to respond quickly and effectively. In 2012, BD donated more than \$3.8 million in cash and products to disaster and humanitarian relief efforts around the world. We committed up to \$525,000 — \$275,000 in cash and up to \$250,000 in product donations — to support Hurricane Sandy relief efforts in New York and New Jersey. The cash commitment was divided among the American Red Cross, the United Way and several other nongovernmental humanitarian relief organizations with which BD regularly partners.

Other product donations in 2012 included:

AmeriCares. BD donated 1.2 million insulin syringes and 4.5 million pen needles for the 400 free clinics and community health centers in the AmeriCares U.S. Medical Assistance Program. BD routinely provides product for AmeriCares Medical Outreach Program for skilled, dedicated U.S.-based volunteer healthcare teams traveling to countries where basic healthcare is unavailable or unaffordable.

Heart to Heart International. We support the Heart to Heart International Ready Relief Box program, a "portable pharmacy" that provides international medical teams with essential medicines, instruments and supplies.

Strengthening Healthcare Infrastructures

BD is engaged in a series of public-private partnerships (PPPs) with the U.S. President's Emergency Plan for AIDS Relief (PEPFAR). These PPPs aim to strengthen health system and laboratory capacities, and to protect health workers and children in resource-limited countries and communities. We highlight these partnerships and their recent accomplishments below.

Lab Systems Strengthening

This BD and PEPFAR collaboration — which aligned with PEPFAR's priority of strengthening in-country health systems capacity — focused on improving the quality and accuracy of laboratory test results to help clinics improve patient monitoring and care in Uganda, Ethiopia, Mozambique and South Africa. In conjunction with ministries of health, BD worked side by side with CDC field staff to develop sustainable laboratory and training systems that would meet the program's objectives, integrate the local workforce and develop the countries' healthcare infrastructures.

In 2012, Cardno, an external auditing company, reported that countries where BD and PEPFAR implemented the lab system strengthening collaboration not only have improved the quality of services available to local populations, but also have become regional centers of excellence in Africa. Cardno's report, which documents outcomes for 450,000 HIV/AIDS and tuberculosis (TB) patients in Ethiopia and Uganda, showed that the public-private partnership:

- Improved access to specialized testing services for multi-drug-resistant TB (MDR-TB), especially for patients who are also infected with HIV/TB in remote parts of Uganda
- Helped Uganda more accurately estimate its MDR-TB burden
- Reduced the laboratory turnaround time for TB test results in Uganda from 3 weeks to 3 days
- Facilitated implementation of a nationally integrated specimen referral, handling and transport system in Ethiopia
- Supported development of a national laboratory quality assurance strategic plan in Mozambique

Cardno's evaluation also noted that PEPFAR and BD's specimen referral and result reporting model has the potential to be replicated in other resource-limited countries to meet national needs for strengthening laboratory systems.

In 2012, we announced our new signature project, Labs for Life, at the International AIDS Conference in Washington, D.C. Labs for Life focuses on helping strengthen laboratories in sub-Saharan Africa and India, whose populations are heavily burdened by disease, in particular HIV/AIDS and tuberculosis (TB). This new collaboration builds on our previous 5-year partnership on Lab Systems Strengthening.

3 WEEKS TO **3** DAYS

Improved laboratory turnaround time
for TB test results in Uganda

“ The collaboration between PEPFAR and BD exemplifies the unique impact that public-private partnerships can have on addressing health challenges in the developing world. We are confident that Labs for Life will be yet another example of how cross-sector collaborations can catalyze much-needed healthcare improvements in countries that are deeply affected by disease. ”

*Thomas Frieden, Director,
U.S. Centers for Disease Control and Prevention*

Safer Blood Collection

BD is working with the Tanzanian Ministry of Health and Social Welfare, PEPFAR and the CDC to improve the blood-drawing practices of Tanzania's health workers. The Tanzania Initiative for Blood-Drawing Applications (TIBA) aims to improve overall healthcare and laboratory services in health facilities, especially those in the regions with a high burden of HIV/AIDS.

Given the prevalence of blood-drawing procedures — approximately 1.5 million draws per year in Tanzania — it is vital that clinicians take the necessary steps to protect themselves and their patients from bloodborne infections, such as HIV, resulting from accidental pricking, stabbing or scratching with equipment that has been used to collect blood.

Under this 2-year program, BD is providing training through the expertise of our associates on blood-drawing practices, specimen handling and safety measures to prevent needlestick injuries. This approach improves safety for both patients and health workers. The program also focuses on improving the accuracy of lab testing results by educating participants how to ensure that blood samples are drawn properly and not contaminated. BD associates with the requisite technical/clinical skills may apply for a short-term assignment to support this program by training health workers in Tanzania. Using a train-the-trainer approach, BD plans to train 20 local health workers as master trainers in safe blood-drawing practices. These master trainers will then lead trainings in regions throughout the country. In 2012, 11 BD volunteers in the role of Clinical Resource Trainers traveled to 10 medical facilities in Tanzania to help improve safety practices for both health workers and patients. The program ultimately aims to train at least 500 health workers in Tanzania.

Tropical Laboratory Initiative — The Earth Institute, Columbia University

In 2012, we helped the Tropical Laboratory Initiative (TLI) expand its portfolio of activities and directly improve the lives of thousands of patients in Ethiopia, Ghana, Kenya and Uganda. Embedded within the Millennium Villages Project at the Earth Institute, the TLI uses the latest practical high-impact minimum cost technologies — particularly diagnostics — to address gaps in general public health recommendations for low-income settings. The initiative's objective is to develop and validate integrated packages of diagnostics and tools in remote rural communities that can be administered at the point of care. These packages enhance the management of major health challenges such as malaria, HIV/AIDS, TB, neglected tropical diseases (NTDs), bacterial and viral infections and other locally relevant public health threats, such as pregnancy-related complications and malnutrition.

The introduction of these diagnostic systems and low-cost health tools at the clinic and household levels, through a community health worker program, is strengthening the continuum of care in remote districts with limited access to high-quality health facilities and laboratory systems.

BD Volunteer Service Trips

The BD Volunteer Service Trip (VST) in Haiti that followed the earthquake of 2010 was the first VST to be conducted in a post-emergency setting. By sharing some of our company's greatest assets — our employees and their expertise — the BD volunteers returned to Haiti in 2012 as part of a 3-year commitment to help the country rebuild its healthcare infrastructure. The team of 18 BD associates from Australia, Belgium, Canada, France and the U.S. built upon the progress made by their colleagues during BD's first volunteer effort to Haiti in 2011. In partnership with Heart to Heart International and Partners in Health, BD volunteers worked to improve Haiti's ability to provide community laboratory and healthcare services.

“ I didn't realize before being in Haiti what impact we would have. We are teaching a program of very basic healthcare practices. It's clear now this training will have a sustainable impact here. ”

*Enzo Mancini,
Health Worker Trainer
BD Volunteer 2012*



The BD Volunteer Service Trip Program was honored with the prestigious 2012 New Jersey State Governor's Jefferson Award in the Corporate Leadership category.

BD associates have served as laboratory technicians, trainers, construction workers, educators, primary healthcare providers, communications and multimedia specialists, nurse educators, information technology technicians and program coordinators. They have trained health workers in remote villages, built and outfitted laboratories, and collaborated with the National Laboratory of Haiti to develop standard operating procedures to improve laboratory efficiency and accuracy of results.

Ensuring Patient and Health Worker Safety

BD pioneered the development of safety-engineered medical devices and has been at the forefront of this field for more than two decades. No company has committed more money, human resources or technological know-how to reducing sharps injuries to health workers and preventing syringe reuse. We share our knowledge through healthcare worker training and patient education materials to help improve patient, health worker and community safety throughout the world.

Building a Safe Healthcare Environment in India

The World Health Organization reports that of the world's 35 million health workers, 2 million experience percutaneous exposure to infectious diseases each year. In addition, approximately 390 million people worldwide are chronically infected with hepatitis B and C virus, often contracted due to exposure to blood through unsafe injections, transfusion of infected blood products or improper biomedical waste handling procedures.

Recognizing the ongoing need for education on best practices in injection for health workers globally, in 2012 BD established the Model Injection Room (MIR) to reinforce our "safe injection practice" awareness program in India. The MIR program includes classroom instruction and practical training on best practices in infection control throughout the end-to-end injection process, including preventing accidental needlestick injuries and reducing the risk of transmission of blood-borne pathogens in this setting. To date, more than 40,000 patients have been treated in the MIR.

Further, syringes and needles that are not disposed of appropriately can become serious hazards to healthcare and downstream workers, and potentially enter a pathway to syringe reuse. To combat this dangerous situation, this comprehensive training includes reinforcement of proper disposal methods. The goal is to train all government health workers and expand in a phased manner to private practitioners, enabling a Safe Injection Environment for the entire community. Based on the results of a study commissioned to evaluate the program's success, we plan to develop additional MIRs across India.

In 2012, BD also collaborated with the Indian Academy of Pediatrics (IAP) to publish "IAP Guidelines on Safe Injection Practices," which is intended to standardize safe injection practices to prevent infection in healthcare settings. It launched in Ahmedabad, Gujarat, as part of the launch of a Safe Injection Environment campaign. Planned roundtable sessions and workshops will disseminate the information to all IAP members.

40,000

Number of patients treated in the Model Injection Room established by BD

As part of our initiatives to build capacity for high-quality healthcare delivery, we have also collaborated with India's National Accreditation Board for Hospitals and Health Care (NABH) on the Safe-I initiative to help hospitals achieve certification of safe injection, infusion and disposal practices. BD is providing technical support and training to hospitals desiring to upgrade their infection control practices through Safe-I. The Safe-I certification program focuses on infection control practices. It can be a stand-alone program or be used as a precursor to NABH or Joint Commission International (JCI) accreditation, which would signal a marked improvement in overall quality of care.

BD Medical College in Heidelberg, Germany

This year, we opened BD Medical College in Heidelberg, Germany, to deliver training in health worker and patient safety to BD customers. The college includes a fully equipped intensive care unit that enables BD trainers and partners to recreate acute care situations and provide best-practice demonstrations for a number of key treatment areas, such as intravenous therapy. The facility also trains workers in avoiding needlestick injuries to medical staff and catheter-associated infections in patients.

BD Medical College strengthens BD's collaborations with opinion leaders, university teachers and medical students from Central Europe. For example, at the opening event, a panel of key opinion leaders from Austria, Germany and Switzerland discussed the safety and hygiene challenges faced by clinicians when administering optimized therapies and the techniques and solutions they can adopt to overcome these challenges.

Health Worker Safety Initiative Trains 1,240

Safety training really works. This was demonstrated in Tanzania after a 3-year commitment by AmeriCares, in collaboration with BD, to promote the health and safety of medical professionals at Bugando Medical Centre, Mwanza, Tanzania.

A comprehensive project evaluation showed that the program helped health workers understand the correct use of safety-engineered supplies and personal protective equipment. The training also improved behavior on the wards.

Over the course of the project, BD helped develop a comprehensive health worker safety curriculum in partnership with consultants from Tanzania's Ministry of Health and Social Welfare. The curriculum was used to train 1,240 health workers at Bugando Medical Centre on best practices for hospital safety.

A survey conducted at the conclusion of the program revealed improvements from the project baseline in health worker knowledge of infection prevention and control practices, such as proper surface decontamination and correct procedure following needlestick or other blood-borne pathogen exposure. Health workers overwhelmingly agreed that the trainings increased their awareness of safety risks on the job, making them more careful as they went about their work. In addition, they noted that the trainings introduced new safety techniques, supplies and approaches that they felt would reduce the risk of infection to themselves and their patients.

The success of the Health Worker Safety pilot has led AmeriCares to highlight hospital safety and strengthening as a strategic priority. AmeriCares plans to replicate the project in three additional hospitals in Tanzania's Lake Zone.

Ensuring the Safety and Environmental Performance of Our Products

BD 2012 Performance Highlights

- Expanded portfolio of safety products with acquisition of Safety Syringes, Inc.
- Conducted four Supplier Sustainability Summits
- Published Environmentally Preferred Procurement principles

We never forget the significant responsibility we have to the millions of people who use our products each day, and to the world in which they are used.

BD understands and appreciates the importance of meeting customer expectations and regulatory requirements. We continually focus on social and environmental concerns around our products, from development to disposal, including product quality, patient and healthcare worker safety and product stewardship.

Regulatory Affairs and Quality

The Regulatory Affairs and Compliance program at BD encompasses all regulatory processes, from product concept through to obsolescence. We use a total life cycle approach that combines premarket and postmarket regulatory compliance activities.

Our Global Regulatory Affairs Monitoring Initiative (GRAMI) monitors global changes in regulations, requirements and agency policies that could affect BD or our customers, and communicates these changes to BD's business segments and manufacturing facilities. The GRAMI team is comprised of BD regulatory professionals with expertise in worldwide regulatory policy areas including compliance, product registrations, labeling, standards and other areas of pre- and post-approval regulatory requirements. They identify issues that have potential material impact on BD's business and work to influence reasonable regulatory requirements by developing and advocating the Company's regulatory positions as appropriate globally.

Strategic Regulatory Plan Update

This year, 2012, was the second in a 3-year strategic global regulatory plan designed to facilitate timely product launches, promote effective compliance programs and encourage collaboration with regulators on emerging requirements. We participated in and led numerous collaborations with regulatory bodies during the year and monitored more than 100 changes globally in regulatory requirements and standards. We had no significant findings of noncompliance with regulations or voluntary codes regarding the design, labeling, manufacturing, marketing or advertising of our products.

Quality Management Systems and Training

Quality Management plays a key role in BD's success by "making quality certain." We envision an organization where transactions are correct the first time, where efficient and effective processes drive business success, and where Quality associates can successfully demonstrate the intent and spirit of [BD's Quality Policy](#).

Our quality systems help ensure compliance with applicable global regulations and establish standards for product design, manufacturing and distribution. Prior to marketing or selling most products, BD must secure approval from the U.S. Food and Drug Administration (FDA) and counterpart regulatory agencies outside the U.S. Once a product is introduced, these agencies periodically review our quality systems, product performance and promotional materials.

We regularly analyze our quality processes and specifications to ensure continuous improvement, efficiency and effectiveness that will enhance compliance and customer satisfaction. Continuous Improvement leaders at all BD sites guide our data-driven approach.

The 5-year Quality Management strategy that we introduced in 2011 continues to progress. This more unified, transparent and dynamic approach consolidates Quality Management systems across BD, improves oversight at all levels and enables our design laboratories and manufacturing sites to achieve robust product standards while improving productivity. During 2012, we moved this strategy forward in several important ways, including:

- Twenty-two of our 50 manufacturing sites used our new BD calibration software. All sites will have adopted it by the end of 2013. This software creates a single enterprise-wide calibration process and enhances compliance by enabling more accurate and precise data to be collected and reviewed.
- We introduced 12 new training programs for Quality associates to develop and increase the competency of the Quality function.
- We significantly improved the efficiency and effectiveness of our corrective and preventive action (CAPA) process and are introducing additional performance enhancements in the areas of governance, technical writing and root cause analysis.
- We harmonized our validation procedure and plan to use it globally.
- We are introducing ISO 13485 certification across our distribution center network, beginning with 16 facilities in Asia, Europe, Latin America and North America.

Commencing at their orientation, associates are trained on the quality and regulatory requirements for the healthcare industry. On average, each Quality associate spends 40 hours per year on training, which includes reviewing our quality assurance policies, programs, standards and mechanisms.

Product Integrity and Supply Chain Quality

Our supplier management program oversees the quality and safety practices of our 1,000 core suppliers that provide key materials and services. Our program focuses on four areas:

- **Performance Management** comprises the procedures that govern how BD identifies, classifies and assesses the qualifications of our suppliers and manages our relationship with each of them.
- **Supplier Continuous Improvement** programs employ our operational excellence methodologies, Lean and Six Sigma, with specific vendors to define, plan and execute projects that bring significant improvement, sustainability savings and value to BD.
- **Supplier Engagement** is central to our ability to identify and partner with suppliers capable of bringing innovation and new technology to the market.
- **Supply Base Risk Management** quantifies and mitigates risks posed to our supply chain, such as business discontinuity, financial illiquidity, price fluctuations and pandemics.

Our supplier management program oversees the quality and safety practices of our 1,000 core suppliers that provide key materials and services.

409

Number of quality systems assessments conducted for key suppliers in 2012

We conduct Quality Systems Assessments (QSAs) for key suppliers, determined by both a fixed frequency and the quality history of the supplier site. QSAs ensure that the supplier site manufacturing the materials and components BD procures has quality systems in place to ensure that the final product will consistently comply with our specifications and adhere to all regulatory requirements. Among the 409 assessments conducted in 2012, 275 were onsite audits and 134 were supplier self-assessment surveys. These assessments form part of our overall strategy of supplier management and help mitigate risks to our supply chain. If a supplier is unable to meet any of our quality standards, we will partner with them to investigate and resolve the issue.

Protecting Patients and Healthcare Workers

We continually improve the design of our products to speed diagnosis, help healthcare professionals and patients use our products correctly and safely, reduce the risk of infection and minimize discomfort to patients. Our strategy is to apply technology and clinical knowledge to develop products that make healthcare more effective, efficient and safe. Ensuring product safety requires management structures in several areas, from Quality Management to Supplier Management, from Regulatory Affairs to Product Stewardship.

Product Design and Safety Engineering

Our established Global Product Development System uses a rigorous and disciplined cross-functional approach to help us bring products to market efficiently and effectively.

BD pioneered safety-engineered medical devices and has been at the forefront of this field for more than two decades. Our design of such products considers the potential injuries that can occur to healthcare workers and patients during product use in order provide products that help protect against these kinds of injuries.

BD's range of products engineered for safety includes hundreds of catalog items for injection, infusion therapy, sample collection, surgery and sharps disposal. No other company has invested more capital, human resources or technological know-how in reducing needlestick and other sharps injuries around the world. In 2012, we expanded this capability with the acquisition of Safety Syringes, Inc. (see sidebar).

277

Number of active, unexpired U.S. safety-related BD patents as of the close of FY 2012

Education and Training

We train healthcare workers in the correct use of BD products and provide basic safety training, such as how to minimize exposure to blood-borne pathogens. Training is often provided at customer sites when a BD product is introduced. For customers with more than one location, BD uses a "train the trainer" approach to ensure proper training at each site.

Computer-based training modules are often used for certifying healthcare workers on the use of a product. We produce pocket guides and wall charts to remind healthcare workers how to use our products safely.

Read the [Addressing Unmet Health Needs](#) section to read more about the Company's strategic collaborations in healthcare worker training and lab strengthening.

Making Healthcare More Effective, Efficient and Safe

Our 2012 acquisition of Safety Syringes, Inc. (SSI), is well aligned with BD's strategy of applying technology and clinical knowledge to make healthcare more effective, efficient and safe.

The BD Medical – Pharmaceutical Systems unit is dedicated to developing prefillable drug delivery systems designed to fit the needs of the pharmaceutical industry. This acquisition provides BD with additional safety features for its prefillable syringe, helping to protect against accidental needlesticks through safer injections for healthcare workers and end users.

We believe that BD's prefillable syringe expertise, combined with SSI's product portfolio and device development expertise, will allow for new and innovative safety technology development to prepare the next generation of safety product offerings.



Product Life Cycle

By analyzing the life cycle of our products, we create an opportunity for environmental, social and financial responsibility to converge. In better understanding the resources we use, their effect on people and the environment and the costs savings of using fewer of them, we can improve the design decisions for new and existing products.

Our work to reduce the environmental impact of our products spans a wide and diverse product portfolio that includes medical devices, reagents/mixtures and instruments. These all have specific regulatory requirements and differing environmental impacts through their various life cycle stages. Although we have begun, we have much more work to do in understanding the environmental impacts across our entire product portfolio.

Our most notable progress to date has been through material efficiency improvements. By reducing the amount of material used to make our products and packaging we create less waste for our customers. We also work to incorporate recycled content into our packaging materials, where possible. Examples include:

- Using post-industrial, post-consumer and post-hospital recycled material (from BD ecoFinity® Life Cycle Solution) into the BD Recykleen™ portfolio of disposal containers
- Reducing material in the BD Emerald™ syringe portfolio by up to 30%¹
- Reducing material in the shield of the BD Autoguard™ Shielded IV Catheter by 26%²

¹ Data on file at BD. Based on comparison with leading syringe brands worldwide.

² For certain product codes.

Product Highlight: BD Autoguard™ Family of Products

Reducing the amount of materials required to manufacture our products and increasing their recyclability are two ways BD is making products more sustainable. The latest versions of the BD Autoguard™ Shielded IV Catheter family of products are an example of how we are doing this. We reduced the amount of material used in the product's needle cover by 26%* and reduced the unit packaging by 13%.** In addition, the catheter's barrels are now made with polypropylene, making them recyclable through [BD ecoFinity® Life Cycle Solution](#), a closed loop program for hospital sharps.



*For certain product codes
**Data on file

Materials Use

Environmental considerations built into BD's Global Product Development System include identification of any customer sustainability requirements and checks to evaluate the presence of priority materials of concern (MOCs) — PVC, phthalates and BPA (Bisphenol-A) — with the aim to exclude them from new products whenever possible. In 2012, we secured funding for a dedicated team at BD's European Shared Service Center in Poland that is responsible for gathering data from our suppliers on the presence of MOCs. The team started work in early January 2013.

While many catheters and fluid management products in the BD Medical – Medical Surgical Systems portfolio are already free of DEHP, a plastic softening phthalate, work is underway to remove DEHP and PVC from the remaining impacted products.

Additionally, this year our Global Procurement department formed a cross-functional team to understand and address the conflict minerals provision of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

Disposal Impact of Products

BD continually seeks to innovate around the end-of-life impacts of our products. For example, the BD ecoFinity® Life Cycle Solution

is the first closed-loop recycling process for regulated medical sharps waste. It can recover and recycle up to 70% of a facility's sharps waste stream. We have implemented the BD ecoFinity® program at 10 locations across the U.S. and have recycled nearly 500,000 pounds of sharps waste since 2011. Recovered material from the process is used in the manufacture of BD Recykleen™ containers. We continue to refine the program and evaluate when and how we might expand it to other regions and applications.

Residential Sharps Disposal

We are committed to the safe disposal of sharps used in the home, such as insulin syringes and pen needles. We provide the following solutions for patients that minimize the risks of injuries from home sharps waste in the community:

- **BD Home Sharps Container:** holds up to 300 pen needles or lancets, or up to 100 insulin syringes
- **BD Sharps Disposal by Mail System:** includes the BD Home Sharps Container in a postage-paid mailer
- **BD Safe-Clip™ Needle Clipping and Storage Device:** removes the needles from insulin syringes and pen needles safely and easily

Progress Update: Materials of Concern

We continue to make progress identifying MOCs in our product portfolio:

- We have centralized our MOC data collection process. We have a new team and data collection tool in place to get information from suppliers on the presence/amount of MOCs in their materials.
- The BD MOC Priority List is now in place, and we periodically update it to reflect changing regulatory and customer requirements.
- We are rolling out a new centralized global database containing information about chemicals in BD products.
- We continue to include checks for certain priority MOCs, such as PVC, phthalates and BPA, in our Global Product Development System.

For more information on local home sharps waste regulations, [click here](#).

Sustainable Packaging

Our business units continue to make packaging improvements focused on material reduction and increased recycled content.

Reducing the amount of materials used in our packaging means less waste goes to landfills. Examples of our progress include:

- Removing 25% of the total weight from BD PosiFlush™ syringe packaging, eliminating more than 675,000 pounds of material going to landfill annually
- Increasing syringe shelf carton capacity for 1, 3 and 5 mL syringes, eliminating more than 600,000 pounds of cardboard annually
- Reducing BD Autoguard™ IV Catheter packaging by 14%

We have also introduced the use of recycled content into BD PosiFlush™ syringe secondary packaging, and we plan to substitute chipboard for plastic in 2013.

Sustainable Procurement

Our Sustainable Procurement mission is to select and manage a supply base that minimizes its own and BD's environmental footprint and protects BD's reputation, in alignment with our core values, while meeting all other business requirements. Our Sustainable Procurement Strategy directs our suppliers to take responsibility for their own social and environmental impacts. The [BD Expectations for Suppliers \(EFS\) Guide](#) outlines our standards for suppliers regarding environmental stewardship, ethical practices, governance and social responsibility.

We expect all existing suppliers to review the guide and act within its specifications. We are working to integrate the guide and compliance expectations into our supplier management process, including supplier agreements. Potential suppliers must review the guide when using our electronic request-for-proposal tool, and it is included in our contract template language.

During 2012, we asked BD suppliers to acknowledge the BD Expectations for Suppliers Guide, and we are following up individually with suppliers who did not respond. The awareness campaign will continue in step with revisions to EFS language in 2013. We also plan to verify that suppliers are adhering to the guide in 2013 with a model that assesses the risk level of social, environmental and ethical lapses or poor governance in our suppliers' operations and allows us to select the appropriate level of verification required.

Collaborating with Our Suppliers to Develop Sustainability Solutions

Our Supplier Sustainability Summits provide opportunities for BD associates and suppliers to meet and work together to address sustainability topics. These summits encourage suppliers to engage in Sustainability Continuous Improvement with BD and help embed the concept into their own operations.

We conducted four Supplier Sustainability Summits in 2012 at some of BD's largest locations in the U.S.: Franklin Lakes, New Jersey; Sparks, Maryland; and San Jose, California. BD associates from Procurement, Global Transportation and other downstream functions participated in a Sustainable Transportation Supplier Summit in Franklin Lakes that resulted in more than 20 ideas, including higher container utilizations and discussions around carbon footprint reporting relating to Scope 3 emissions. The three other Sustainability Summits also had productive outcomes, including innovative methods to reduce the number of deliveries per week and new design approaches to reduce material used in various components.

We have planned additional summits for 2013, including one for suppliers of business travel that will further our approach to collecting Scope 3 emissions data.

Environmentally Preferred Procurement (EPP) Principles

We seek to purchase goods and services that support our sustainability strategy, using EPP as the guideline. EPP calls for associates to consider the environmental impact of goods and services found to be less damaging to human health and the environment over their lifespan when compared with competing goods and services. In 2012, we published our EPP principles and made progress incorporating them into the strategic sourcing process, including business requirements, supplier selection and supplier management.

Supplier Diversity Program

BD is inclusive regarding bidding opportunities, supports small businesses and initiated a Supplier Diversity program in 1992 that covers our U.S. and Puerto Rico operations. This complies with the U.S Federal Acquisition Regulations and ensures that we source materials, supplies and services from small businesses. In 2012, we worked to advance our supplier diversity in a number of ways:

- Became a member of the Diversity Alliance for Science and the New York/New Jersey Minority Supplier Development Council
- Emphasized supplier outreach at conventions and expos
- Engaged with suppliers through BD's Supplier Recognition program and Supplier Sustainability Summits, which included many small and diverse businesses
- Took a leadership position in the Healthcare Small Business Liaison networking group

In 2012, we increased our spending with minority- and women-owned businesses by 25%, compared with 2011.

Honoring Sustainable Suppliers

The BD Supplier Recognition Program, launched in 2010, honors suppliers who have made significant contributions to advancing and supporting key BD initiatives. It is part of our Global Procurement strategy of achieving the best supply base to help BD drive innovation, continuous improvement and operational excellence.

In 2012, we added a sustainability award to the program and honored Peko Precision Products of Rochester, New York, with the inaugural award in this category. Peko provides instrument components and design support for our women's healthcare products. Peko redesigned components in the BD Totalys™ SlidePrep system, eliminating 6.5 pounds of plastic and 15% of the steel, significantly reducing the materials required to produce the product.

In its own operations, Peko's sustainability efforts have included energy audits that resulted in implementing low-energy lighting and eliminating more than 150 printers. The company also moved from wet spray to powder coat painting (reducing air emissions) and purchased variable frequency air compressors that capture their heat (used to warm the buildings).

Protecting and Preserving the Environment

BD 2012 Performance Highlights

- Met four of five 2015 Sustainability Targets by the end of 2012
- Received the WindMade™ label for BD's global operations, for 35% wind power
- Received Energy Star® Challenge for Industry Achiever Status from the U.S. EPA at five sites
- Added four sites to BD's portfolio of LEED-certified buildings
- Consulted with external stakeholders on sustainability performance

Human health and a healthy environment are directly linked. Our planet is under ever-increasing pressure from climate change and demands from a ballooning population. Recognizing this challenge, as well the opportunity to fuel sustainable growth, BD is boosting its efforts to reduce its environmental impact and encouraging customers and suppliers to do the same.

By reducing resource consumption and waste generation, we aim to strengthen our environmental and financial sustainability. We have heard the voices of our stakeholders who want to see the relevance of our policies to global megatrends and understand our progress through disclosure of environmental performance metrics. We work to imbed environmental awareness into the fabric of our business, focusing on two areas:

- **Product Stewardship:** We seek to develop sustainable product and packaging improvements, identify and eliminate materials of concern, and innovate product end-of-use management.
- **Sustainable Operations:** We seek to reduce the environmental impact of energy consumption, greenhouse gas emissions, water consumption and waste generation at all of our facilities, as well as within our supply chain.

Position on Climate Change

We recognize that climate change has the potential to increase the spread of tropical diseases and cause extremes in temperature and precipitation, with implications for global health. Strengthening health systems through new solutions is aligned with BD's purpose, and we will continue to respond to emerging global concerns. We are reducing energy consumption and increasing the amount of renewable energy we purchase to lessen our greenhouse gas emissions and contribution to climate change. We are also working to broaden our emissions tracking to include transportation and business travel (Scope 3 emissions) with a goal of reducing these emissions and other environmental impacts throughout our supply chain. Finally, we acknowledge the importance of disclosure and believe disclosing greenhouse gas emissions encourages emissions reduction. As a result, we have been a longtime responder to the Carbon Disclosure Project (CDP).

Strengthening Management Systems

We are continually improving our environmental management systems. These are our efforts to comply with environmental regulations, our commitment to reduce our global environmental impact and our work to help BD's customers and suppliers operate in ways that are environmentally responsible. In 2012, we established an Energy Steering Committee and a Waste Governance Team. These new teams have focused on oversight and governance, data collection and tracking, sharing best practices across sites and standardizing processes. This has helped us accelerate progress toward meeting our 2015 Sustainability Targets.

35%

Absolute reduction in greenhouse gas emissions, from 2008 baseline year

Progress

We measure our annual performance against BD’s 2015 Sustainability Targets. At the end of 2012, we had met four of our five targets, and we continue to reduce our fossil-based energy use. For example, we are expanding our use of renewable energy, which currently comprises 35% of our worldwide electrical consumption and 60% of our U.S. electrical consumption. We continue to explore more efficient sources of energy, such as cogeneration (combined heat and power) plants.

We are committed to reporting the most accurate data. In 2012, due to the divestiture of our BD Biosciences – Discovery Labware unit and because of improved quality checks on the majority of our data collection and analysis systems, we have restated 2008 baselines across the environmental performance metrics for our global operations. This is our first year of benchmarking against these new baselines.

We have improved data accuracy through better data collection, data analysis and business processes. All changes are reflected in our Progress against Targets table (below).

BD 2015 Sustainability Targets	Progress against Targets <small>(Status in FY 2012, from FY 2008 baseline)</small>
Reduce energy consumption from operations by 30%	Reduced by 13%
Increase renewable energy use to 25%*	35% of total*
Reduce water consumption by 15%	Reduced by 28%
Reduce hazardous waste generation by 10%	Reduced by 38%
Reduce nonhazardous waste generation by 15%	Reduced by 21%

Progress against targets from FY 2008 baseline, which was restated in 2012. All performance data normalized to cost of goods sold, with the exception of renewable energy, which uses absolute data.

*Scope 2 (indirect energy from electricity)

Office of Global Sustainability (OGS)

The BD Office of Global Sustainability, established in 2009, is led by our Vice President of Sustainability. The OGS is responsible for key components of Sustainability at BD, including product stewardship, environmental health and safety, sustainable operations and supply chain and stakeholder engagement and reporting. The OGS also coordinates our external collaborations with environmental organizations such as U.S. EPA Energy Star, Practice Greenhealth and WindMade™.

These groups are also part of the OGS:

Product Stewardship Team provides regulatory sensing and guidance on new chemical and substance regulations and is working across our organization on compliance activities for REACH (the European Community Regulation on chemicals and their safe use), RoHS (the European Community Regulation on the restriction of hazardous substances) and other product-related environmental regulations.

Environmental Health and Safety Department monitors and supports environmental compliance at our sites worldwide.

Data Tracking and Management

We track most of our data through an online environmental data management system that enables us to manage energy and water use, waste generation and recycling and Scope 1 and Scope 2 carbon emissions. In 2013, we will be incorporating some elements of Scope 3 — primarily supply chain emissions — into our online environmental data management system.

We are developing a database to improve data management for the presence of chemical substances in our products. This will help us respond to queries from customers and support compliance activities with REACH, RoHS and the Global Harmonized System for Safety Data Sheets. We also use a site-specific Environmental, Health and Safety (EHS) system to track compliance and management system issues.

Certifications and Audits

Certifications and audits provide verification of our environmental management systems. Key accomplishments in 2012 included:

- Conducted seven onsite environmental health and safety (EHS) audits and nine follow-up audits to measure regulatory compliance across our facilities.
- Completed a Performance Verification Process (PVP) at two sites (see the [Health & Safety](#) section for more information on the PVP). PVP completion can serve as the foundation for further third-party certifications.
- Maintained ISO 14001 certification at 12 BD sites.

Associate Engagement

Our associates play a vital role in our environmental sustainability efforts. Our BDGreen program is an internal engagement program to communicate our sustainability initiatives and identify ways that every associate can help us meet our 2015 Sustainability Targets. To ensure this program engages as many associates as possible, we established a global network of associate volunteers known as BDGreen Champions who help us implement BDGreen campaigns at their local sites. We are delighted at the enthusiasm and dedication of our BDGreen Champions.

In 2012, we hosted an employee engagement campaign focusing on water issues such as access, pollution and usage. Applying Lean Methodology, employees from around the world submitted water kaizens (rapid improvement projects) with new ideas on how to conserve water. Regional prizes were awarded for the best ideas, including innovative suggestions for eliminating unnecessary water use and increasing water recycling.

Energy and Emissions

Energy

Reducing energy use, which often requires investment in new equipment, continues to be a challenge as we compete for capital internally in a challenging financial environment. We are working with suppliers, industry groups and peers to identify new opportunities to make further progress against our target. By the end of 2012, we reduced total energy consumption on a normalized basis by 13%. On an absolute basis, despite a 25% increase in real estate growth, total energy consumption increased by just 1%.

5

Number of BD sites that received Energy Star Challenge for Industry Achiever status in 2012

Energy Efficiency

In 2012, we focused on improving energy efficiency in the following ways:

- Improved tools for data collection and analysis
- Initiated monthly worldwide energy/waste virtual training attended by facility, energy and manufacturing engineers
- Identified key focus areas such as HVAC, process heating and cooling, compressed air and demand management
- Launched HVAC re-commissioning pilot program

In addition, BD participates in the Energy Star Challenge for Industry — a call-to-action to improve the energy efficiency of commercial and industrial buildings by 10% or greater. Five BD sites received Achiever status in this program during 2012, and three additional sites registered for the challenge in 2012.

Pursuing Sustainability Targets in Spain

Our BD Medical – Medical Surgical Systems facility in Fraga, Spain, created a sustainability working group to pursue projects to help achieve our 2015 Targets. Its 2012 accomplishments included:

- Replaced three hydraulic molding presses with electric presses, saving 117,232 kWh annually
- Reduced electricity consumption of the recirculation pumps used in molding, saving 464,125 kWh annually
- Optimized plant lighting, saving 241,646 kWh annually
- Installed a cogeneration plant that will produce 1 MW of electricity and 891 kW of chilled water for manufacturing

This example demonstrates how a team approach and collaboration on best practices across BD sites are bringing cost savings to operations and reducing greenhouse gas emissions in alignment with our 2015 Sustainability Targets.

Renewable Energy

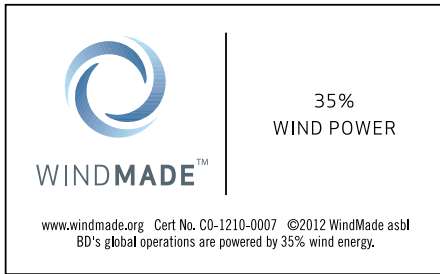
Our approach to renewable energy is to build a portfolio of sources, including renewable energy credits (RECs), power purchase agreements and self-generation. This reduces financial risk and maximizes our use of renewables. In 2012, 35% of our worldwide energy supply and 60% of our U.S. supply was from renewable sources (Scope 2).

BD generated about 1,300 MWh of electricity from solar panels installed at our Four Oaks distribution center in 2012. We also generated 1,000 MWh of clean energy from fuel cells at our San Jose facility. We are investigating additional onsite renewable energy projects at several locations.

The remainder of our renewable energy came from the purchase of renewable energy credits for 10 locations worldwide. In 2012, we began discussions about a 20-year power purchase agreement for wind power that will supply three of our four Nebraska-based manufacturing facilities. We expect to finalize an agreement in 2013.

35%

BD's global electricity use from renewable sources



We continue to diversify our energy supply and reduce our carbon footprint by converting to natural gas, avoiding where possible higher-cost, higher-carbon fuels such as liquid propane gas (LPG) and diesel. We are exploring more efficient sources of energy, with cogeneration (or combined heat and power) plants in Cuautitlán, Mexico, and Fraga, Spain, and investigating other opportunities in Europe and Latin America.

In 2012, BD's global operations received the WindMade™ label, verifying that we sourced 35% of our electricity from wind energy. BD is a WindMade™ Pioneer Company, among the first to pursue the label. We participate on the WindMade™ Board of Directors and on the WindMade Technical Committee. See more information on [BD earning the WindMade label for global operations](#).

Emissions

Greenhouse Gas (GHG) Emissions. Energy efficiency and conservation remain our primary focus in reducing GHG emissions. Our renewable energy purchases complement our energy management programs, especially in locations where fuels have a high carbon content. In 2012, we achieved a 35% absolute (43.7% normalized) reduction in GHG emissions, including our purchase of RECs.

Hydrochlorofluorocarbons/Ozone Depleting Substances (HCFC/ODS). BD has phased out the use of HCFC141b in manufacturing in the U.S. and Europe. We have reduced HCFC consumption per unit of production in six locations in Latin America and Asia Pacific by using new technology, applying conservation measures and recycling. We expect to select a suitable alternative by the end of 2013 and will deploy this new technology through 2020, based on country-specific regulations adopted under the Montreal Protocol.

We face a significant challenge in Singapore, where we manufacture for the rapidly expanding Asia Pacific market. Singapore has adopted country-specific regulations under the Montreal Protocol that limit annual HCFC importation to meet the 2013 consumption cap and subsequent reduction targets. To meet demand in the region and comply with the Montreal Protocol, we kept excess inventory of HCFC141b in 2012. This will allow BD to continue to supply our customers while working to replace HCFC141b with a suitable alternative as soon as possible.

Volatile organic compound (VOC) emissions. We are implementing new technologies to reduce VOCs in printing inks, solvent bonding and other applications. For example, we are converting from UV-cured adhesives to low-VOC, LED-cured adhesives, replacing ink-jet printing on packaging with laser printing and upgrading manufacturing processes to closed-type systems. We are also installing emissions control systems to reduce overall VOC emissions.

Green Building Design

BD pursues LEED certification for new construction projects costing more than \$1 million. Four sites were LEED certified in 2012:

- Four Oaks, North Carolina — Distribution Center
- San Antonio, Texas — Shared Service Center
- San Jose, California — Office and Training/Repair Center
- Tuas, Singapore — Shared Service Center

To date, 12 BD sites are LEED certified, providing approximately \$482,000 per year in operational savings.

12

Number of BD sites with
LEED certification



8.1%

Absolute reduction in non-hazardous waste, from 2008 baseline year



28.5%

Absolute reduction in hazardous waste, from 2008 baseline year



16.7%

Absolute reduction in water consumption, from 2008 baseline year

Waste

BD facilities generate both nonhazardous and hazardous waste:

- **Non-hazardous:** plastic, glass, metal, paper, wood, media, assembled finished product and subassemblies
- **Hazardous:** various chemical wastes, depending on the manufacturing operation

Our efforts to reduce waste from operations are driven by Lean, Continuous Improvement (CI) and Six Sigma initiatives. Our Waste Governance Team identifies BD-wide opportunities to reduce waste and resolve program-level issues. Each BD site maintains waste minimization plans and reviews opportunities for scrap and waste minimization. In the U.S., we work closely with our recycling vendor — A Greener Solution (AGS) — to develop recycling opportunities for many of our manufacturing-related non-hazardous waste streams.

We implemented numerous waste reduction projects and initiatives across BD sites in 2012, including:

- Glass from BD Medical – Pharmaceutical Systems in Columbus, Nebraska, is repurposed to make glass tiles and fiberglass.
- Polypropylene from several BD manufacturing locations is repurposed to make sharps containers through BD ecoFinity® Life Cycle Solution.
- BD Biosciences has developed an electronics recycling, obsolete product take-back pilot program for its Cell Analysis products.

In 2012, our non-hazardous waste generation decreased by 8.1% absolute (21% normalized). We decreased hazardous waste generation in 2012 by 28.5% absolute (38% normalized).

Water

We use water in our manufacturing processes and in many of our products. We recognize that we have a responsibility to use water effectively — particularly in areas of the world where water scarcity is an issue — and have made water conservation an essential part of all BD operations.

- In 2012, we completed an in-depth analysis of our company-wide water use with a goal of developing and implementing a comprehensive water strategy.
- We analyze and maintain performance data from water efficiency projects and share the results with all BD locations.
- We educate BD Environmental Health and Safety associates worldwide on the value of water conservation, encouraging them to share ideas about how to save water at work and to help us achieve our 2015 target for water.

In 2012, these steps helped us decrease water consumption by 16.7% absolute (28% normalized), compared with an 11% normalized decrease in 2011.

Conserving Water and Cutting Costs in Miami

A third-party study commissioned by our EHS and Facilities leader at BD's Miami manufacturing facility showed that the Ultra-Pure Water system was consuming 16 million gallons at a cost of \$303,000 annually. As a result, BD formed a team of experts to identify water conservation opportunities.

The team identified two major components in the system that were discharging large amounts of water to drain as part of their normal operation. After consulting with the equipment makers, the team determined that minor modifications, such as sequencing and recycling discharged water, could reduce water consumption significantly while maintaining water quality.

The efficiencies were implemented over a 4-month period. It is projected that the modifications will save approximately 6.7 million gallons of water and \$115,000 annually.

Logistics

BD has operations in more than 50 countries, and our products are used across the globe. As a result, many of these products travel long distances to reach our consumers. We use a variety of modes of transport to ship products, including trucks, railroads, barges, ships and air freight. Wherever possible, we use multiple modes on the same journey to reduce emissions, and we work with our suppliers to find more efficient ways of transporting products.

We continually analyze ways to reduce carbon emissions. For example, in the U.S., we now move 10% of our manufactured goods by rail instead of road. Packaging improvements also play an important role in helping make product transport more efficient. Additionally, we focus on reducing the impact from our warehouse operations. BD's Global Supply Chain Council tracks energy, waste and water reductions from BD distribution centers on a consolidated dashboard.

Reducing Shipping-Related Emissions

In the U.S., where carriers are implementing more fuel-efficient fleets and practices, BD is converting domestic less-than-truckload (LTL) and full truckload (FTL) carriers to a 6 miles per gallon (MPG) fuel schedule from the previous 5 MPG fuel schedule. We expect all LTL and FTL carriers to be converted by the end of 2013.

SmartWay

SmartWay is a public-private collaboration between the U.S. EPA and the freight transportation industry that helps freight shippers, carriers and logistics companies improve fuel efficiency. BD is an EPA SmartWay Transport Partner, with 95% of U.S.-manufactured goods shipped by SmartWay carriers from our distribution centers in Indianapolis, Indiana; Four Oaks, North Carolina; and Redlands, California. Seventy-nine percent of our carriers from these locations are SmartWay participants.

95%

Amount of U.S.-manufactured goods shipped by SmartWay carriers

Business Travel and Fleet Vehicles

We encourage the use of video conferencing for internal meetings and provide the necessary technology at many of our locations. Because some of our sales representatives need to travel by car, in some regions we have set fuel efficiency goals, and we are working to improve the environmental impact of our fleets. For example, in Europe we take into account fuel efficiency and CO2 emissions when leasing cars and have introduced hybrid vehicles into the fleet. By replacing older vehicles with high-efficiency vehicles, we have improved our fuel consumption by 5.8% since 2010, saving approximately 45,000 gallons of gas and \$160,000 in fuel costs annually.

Improving Transport Efficiencies Around the World

We continue to explore ways to increase the efficiency of our product transport. Recent accomplishments include:

Cutting costs and lead times in India. By changing the routing of materials imported from Europe, a BD Medical team in India reduced transportation time and mileage. The project focused on switching the transport mode from road, which uses diesel fuel, to rail, which uses electricity. This change helped reduce transport costs by \$200,000 annually and cut lead time by 3 to 5 days.

Reducing the need for Styrofoam in Baltimore, Maryland. In 2012, we converted nine large Industrial Microbiology Key Accounts to a consolidated shipping schedule via BD Diagnostic Systems' national refrigerated truck network, avoiding the need for Styrofoam coolers for shipments of perishable products.

Improving freight efficiencies throughout the U.S. In 2012, BD Supply Chain worked with key distributors to backhaul their freight from BD distribution centers, therefore reducing the number and increasing the efficiency of the trucks we use.

Making BD an Even Better Place to Work

BD 2012 Performance Highlights

- Updated our Safety and Environmental Policy
- Developed new safety tool to prevent accidents
- Collaborated with Harvard Business Publishing to provide managers with online learning and performance support
- Donated \$35,000 to 18 nonprofit organizations around the world as part of the annual Henry P. Becton Volunteer Impact Awards

For nearly 30,000 people in more than 50 countries, employment at BD isn't just work — it's a chance to make a real difference in the lives of others. We value our associates, and together we pursue our purpose of *Helping all people live healthy lives* by seeking innovative ways to address emerging health needs before they become urgent. We engage with BD associates in many ways, deepening our relationships while improving our business. And we strive to create a work environment that encourages and rewards the pursuit of our purpose, provides opportunities for growth and is inclusive, safe and healthy.

Health and Safety

For BD, safety is a value, not an activity. This is why we are determined to integrate safety into everything we do, working constantly to set expectations, provide tools, measure progress and communicate results. Each BD site sets its own safety guidelines and associates are expected to view compliance with those guidelines as a minimum requirement.

Our unremitting emphasis on safety is particularly critical in our manufacturing facilities. Our plants are machine-intensive and becoming more automated. Our rapid production processes expose associates to potential hazards, such as moving machine parts and different forms of energy. We make it our priority to protect our associates in their daily work and design safe access for maintenance and repair.

BD recently reached an important safety milestone: an injury and illness rate (IIR) of 1.0 per 200,000 employee hours worked in 2012.¹ According to the Conference Board and other recognized authorities, an incident rate of one or below for a multinational manufacturing company is world-class performance. Our IIR has dropped 33% in the last 10 years, despite an increase in the number of people we track, the number and size of sites we manage and the number of hours worked. Forty-eight percent fewer associates were injured in 2012 than in 2002 — that's an average of 250 fewer associates injured per year during that period. We attribute our success to the continued engagement of our workforce and leadership in health and safety.

1.0

**Injury and illness rate per 200,000
employee hours worked in 2012
(world class)**

¹ This rate is calculated by multiplying the number of incidents by a standard factor of 200,000, then dividing by the total number of hours worked.

Managing Safety

Protecting the health and safety of our associates is as important as anything else we do. Our associates understand their responsibilities to prevent accidents and contribute to safe workplaces for themselves and their colleagues. We reinforce this understanding with a safety management structure that has accountability at the business and corporate levels. Our Safety and Environmental Policy, signed by our CEO and updated in 2012, clearly outlines BD's expectations. [Read the policy here.](#)

Trained Environment, Health and Safety (EHS) professionals are present at each of our manufacturing sites, and managers are responsible for EHS at each of our larger offices and distribution centers. Our health and safety standards follow U.S. Occupational Safety and Health Administration (OSHA) requirements and incorporate best practices from other parts of the world. We expect each of our sites to meet the more rigorous of either local or U.S. standards.

We have developed three tools that guide and inform our safety efforts:

Safety Process Model (SPM): The SPM was developed in 2007 to improve safety performance at manufacturing facilities. It tracks progress in implementing four standard practices and includes a scorecard to evaluate and report the performance of each site.

Serious Potential Outcome (SPO): This proactive tracking program is designed to help identify events with the potential to have a very serious outcome. By evaluating the conditions associated with these potential events, timely interventions can be implemented across all sites to prevent their occurrence. Developed in 2012 by a global EHS team at BD, it will be implemented in 2013.

Performance Verification Process (PVP): The cornerstone of our manufacturing facility safety efforts, the PVP is designed to augment our onsite safety audit program by enabling sites to advance safety initiatives independently and be acknowledged for their progress.

Safety Process Model and Performance Verification Process

Illness and injury rates are ineffective measures because they reflect the past. A better gauge is the number of BD sites that examine their inherent risks or latent unsafe conditions and take corrective action — the rationale behind our SPM. In 2012, we made the SPM more robust by identifying the types of work or conditions most often associated with potentially serious outcomes. We believe that this approach, combined with our continued focus on risk assessments and near misses, will help us anticipate and address hazards from the start. In 2012, we implemented the SPM and Safety Index scorecard at our largest European distribution center, the only one staffed and fully operated by BD associates.

In 2012, we set a goal of providing a streamlined safety program, including tools and training, for our offices. This program will focus on issues important in an office setting, such as emergency response, life safety, ergonomics and associate engagement in safety.

Our PVP provides sites with a series of tools, such as self-assessment workbooks and proven best practices, to help them identify gaps and speed the safety audit process. Sites must also incorporate aspects of the SPM as part of the first- and second-level requirements of the PVP. We rolled out the PVP system at two of BD's North American manufacturing facilities in 2012. BD Medical in Canaan, Connecticut, was the first site to receive the designation for achieving the first level of performance in 2012. BD Biosciences in San Diego also reached this goal. The PVP is a resource-intensive exercise, and we are working to develop an effective mechanism to implement it globally.

**BD Medical in Canaan, Connecticut –
first site to achieve BD's PVP
designation**

Training

Safety training is important and it never stops. Each BD site identifies health and safety training for new and existing associates in response to local requirements and delivers training on general topics, along with a more detailed curriculum based on individual job duties. We identify, assign and track all of these training requirements through a site-specific training database, Compliance to Capability (C2C), which also helps capture the new training needs of transferred associates. Each EHS audit and PVP review includes an assessment of a site's training program and its effectiveness.

The corporate EHS function provides training and orientation for new EHS coordinators at all of our locations. Corporate EHS leaders participate in the hiring process for new coordinators, conduct webinars or face-to-face visits to introduce them to BD EHS systems and tools, and ensure that they understand BD's expectations.

Wellness

Our purpose is *Helping all people live healthy lives*, and that includes associates. We bring this home to our associates and their families through BD Healthy Lives, our award-winning global wellness program that helps associates build a culture of wellness that conforms to our corporate purpose and supports our continued success.

BD Healthy Lives programs focus on nutrition, physical activity, stress management, tobacco cessation and condition management. In the U.S., our Condition Management program provides support for associates with long-term health conditions such as asthma, coronary disease, depression and diabetes. Associates can complete a confidential health assessment and participate in the BD Healthy Lives program, which provides access to health advocacy services.

We have enhanced our U.S. wellness initiatives by further incentivizing associates and partners to participate in health risk assessments, biometric screenings and wellness coaching. For example, an associate and his or her partner can earn \$125 each by completing a health assessment or biometric screening.

In 2012, BD contracted with a global provider of health and wellness solutions that shares our values. We are working together to engage associates around the world to make small lifestyle changes that have measurable and lasting results. In 2012, we identified three countries to pilot the program, and we are beginning to introduce health risk assessments in 2013.

Recognition for BD Healthy Lives Program

Singapore

- Multiyear winner of the Gold Award by the Health Promotion Board

United States

- Multiyear Gold Award winner for Best Employers for Healthy Lifestyles from the National Business Group on Health
- CEO Cancer Gold Standard accreditation from the CEO Roundtable on Cancer, a non-profit organization working to eliminate cancer

Health Fair Brings Fitness Home

BD associates at our Franklin Lakes, New Jersey, headquarters celebrated National Employee Health and Fitness Day in May 2012 with a special health fair attended by hundreds of associates. The fair's theme, "Make the Moves That Matter . . . and boost your fitness," gave associates the opportunity to learn about different health and fitness opportunities, including tai chi classes and an introduction to the BD Triathlon Club.

Learning and Leadership Development

Learning and personal development are critical to BD's ability to grow and meet our customers' needs. We continue to leverage a Leaders-as-Teachers approach to face-to-face instruction, and we are now also using leaders to teach in new formats, including a global Virtual Classroom Series, web conferencing, mentoring, sponsoring business improvement projects (i.e., action learning) and throughout our accelerated leadership development initiatives. We will continue to adjust our approach, deploying new technologies and using our leader-teachers in ways that accommodate changing needs, new business environments and new best practices in the learning space.

BD University

BD University (BDU) is our principal company-wide learning system for strengthening the skills and knowledge of BD associates. Several new course offerings — such as Leading Growth through Innovation, Practical Strategy and Creating Shared Value — reflect our dynamic business.

BDU is collaborating with Harvard Business Publishing to provide BD associates with Harvard ManageMentor® (HMM), an online learning and performance support resource that offers 27 learning modules addressing a range of issues faced by new and experienced managers. Content is provided by world-class experts from Harvard, industry and other leading academic institutions, and is presented in the form of e-learning, HBR articles, book summaries, videos and downloadable tools.

Performance Management Process

Our Performance Management Process (PMP) is a comprehensive professional development, coaching and feedback program that places a strong emphasis on the quality of dialogue between manager and associate. PMP includes a technology platform that equips managers with the in-depth employee performance information they need to retain, reward and develop top people.

PMP is designed to:

- Help associates understand what is expected of them
- Engage associates in ongoing performance and developmental coaching
- Offer associates opportunities to grow and develop their capabilities
- Provide associates with a performance review and written assessment at least once a year

Each October, BD associates create individual development plans and annual individual impact goals and review them with their managers.

60%

Number of associates in leadership accelerator programs who received promotions or job expansions

Leadership Accelerator Programs

BD's Leadership Accelerator programs are designed to accelerate the development of high-potential talent at various levels of the organization. These programs enable carefully selected high-potential associates from all BD businesses, regions and functions — at the early career, mid-career and general manager levels — to participate in a combination of assessment, mentoring and development experiences.

- **GM Accelerator:** Designed to accelerate the development of key top talent in preparation for senior-level leadership roles, such as general manager of a business, region or country, or leader of a worldwide function
- **Mid-Career Accelerator:** Develops candidates for leadership team roles within a worldwide business, region or function
- **Early Career Experience:** A 24-month leadership experience designed to accelerate the career development and networking of talented, early career associates

At the end of 2012, 60% of associates in these three accelerated development programs had received promotions, job expansions or both.

Diversity and Inclusion

In an era of globalization and rapidly changing demographics, it has become more important than ever for BD to build a diverse and inclusive organization. The degree to which we are able to do this will determine our ability to effectively interact with a diverse set of customers, associates, suppliers and consumers, which is good for our business. We believe the key to success is complete integration of our Diversity and Inclusion strategies.

We believe that focusing on diversity and inclusion provides BD with a competitive advantage, enhancing our business relationships because our associates better reflect our markets. Many studies have linked greater gender diversity to better financial performance. Broad diversity and greater inclusion have a positive impact on attracting, developing and retaining the talent we need to succeed, driving innovation, creativity, problem solving and motivation.

Our diversity training is designed to improve associates' understanding of the benefits of a diverse and inclusive team. In 2012, we began conducting diversity training sessions worldwide through our new technology-enabled learning platform.

Key Focus Areas

Increasing diversity, especially at senior levels, continues to be a challenge. But we are determined to accelerate BD's evolution into a more diverse and inclusive organization by focusing on four critical areas:

- **Execute a 3-year plan to build greater diversity** in our leadership team by increasing gender and racial diversity globally
- **Implement global mentoring and networking program** to drive sponsorship, retention and career development for existing associates
- **Promote learning programs and tools** to increase cross-cultural work and team effectiveness and ensure integration into existing leadership development programs
- **Expand and facilitate the development of associate resource groups**, including emerging women's groups and external partnerships with select diverse professional associations and talent communities

We will use a scorecard to track and monitor all hiring, promotions, turnover and mentoring at the defined management levels to measure our progress.

How Gender Diversity is Good for Business

Companies that perform best on organizational and financial measures have women strongly represented at top management levels. To continuously improve gender diversity at BD, we are actively working to create a best-in-class work environment that engages, encourages and enables high-performing women to use their talents and thrive at the highest levels of leadership across the Company. We are expanding and facilitating the development of associate resource groups, including an emerging global women's group to support our diversity objectives. This includes three key strategic imperatives in FY13:

- Raise awareness about and educate on gender bias to evolve BD culture
- Increase leadership engagement and commitment to action
- Create leadership accountability to improve outcomes around attraction, retention and advancement

Employee Engagement

Our tradition of volunteer service stretches back to our founding in 1897. We encourage BD associates around the world to become involved with nonprofit groups in their local communities. They can volunteer as individuals or through programs sponsored by BD.

Henry P. Becton Volunteer Impact Awards

The Henry P. Becton Volunteer Impact Awards Program honors the late BD Director Henry P. Becton Sr.'s lifelong commitment to community and BD's legacy of community service. The program recognizes the outstanding philanthropic efforts of BD associates and retirees by making financial contributions in the winners' names to the organizations for which they volunteer. In 2012, BD awarded \$35,000 in grants to 18 nonprofit organizations around the world through the program.

Recipients of the award included:

Sharon Leitch, BD Diagnostics - Sparks, Maryland. Sharon volunteers with the Chesapeake Search and Rescue Dog Association. "A K9 Search and Rescue effort can mean the difference between life and death," she says. "When time is critical, a trained K9 dog is extremely valuable because it can cover a large area relatively quickly."

Nasir Uddin, BD Medical - Franklin Lakes, New Jersey. Nasir, who volunteers for Em[POWER] Energy Group, Inc., says the organization is focused on sustainability. "Em[POWER] brings alternative energy, education and improved sanitation to communities in need," he says. "The organization's vision is to convert a form of poverty into a mechanism that can be used by a community to improve living conditions and allow it to make a positive contribution to society."

Setota Ramoshebi, BD - South Africa. Setota's nonprofit organization is Sakhakuhle Day Care Centre, which provides early childhood development programs for children born of teenage pregnancy, giving the young mothers the opportunity to return to school. "Sakhakuhle was visionary in that it saw potential for the development of young women and children in a community where there was no hope for those affected by teenage pregnancy," says Setota.

Employee Giving and Volunteering

Our focus on knowledge- and skills-based volunteering allows associates to share their professional acumen with nonprofit groups. Through these volunteering opportunities, BD associates gain valuable experience while working alongside healthcare providers and others serving people in need worldwide.

We encourage eligible associates to volunteer for up to two full days per year of paid time off for community service. In 2012, BD associates worked as emergency medical technicians, volunteered in food banks and homeless shelters, built homes and playgrounds, planted gardens and walked and cycled in support of diabetes and cancer research.

BD's "Dollars for Doers" program matches every 40 hours of community service performed by our U.S. associates during their personal time to a qualified 501(c) (3) organization with a \$500 donation to the same organization, up to \$1,000 per year per associate. In 2012, BD matched \$1,091,310 for associates' cash gifts and volunteer time. This includes \$111,500 matched for their personal volunteer time.

2012 Regional Volunteering Activities

BD associates around the world donate time and BD products to support healthcare initiatives in their local areas. For example:

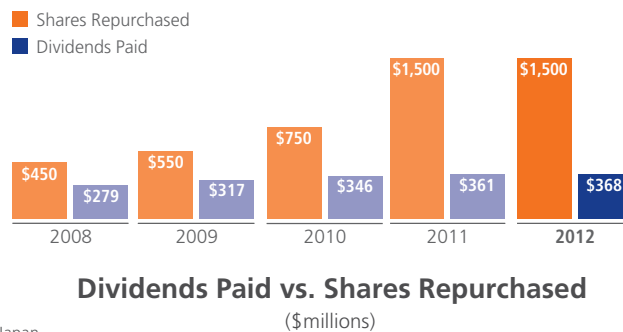
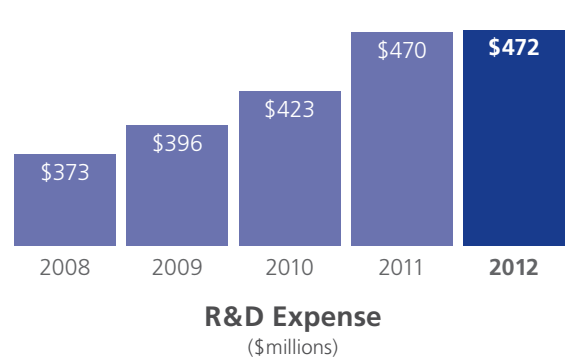
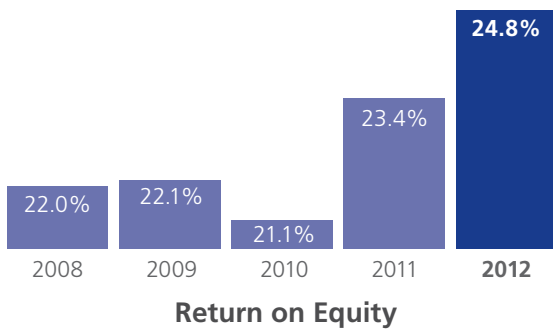
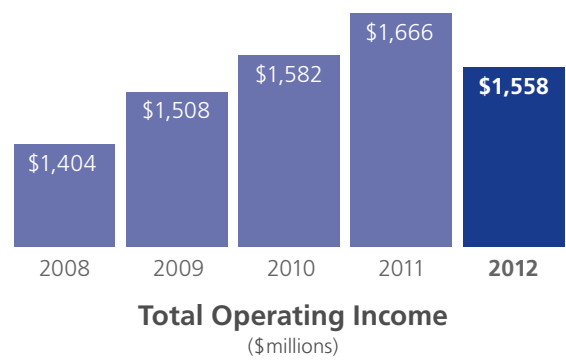
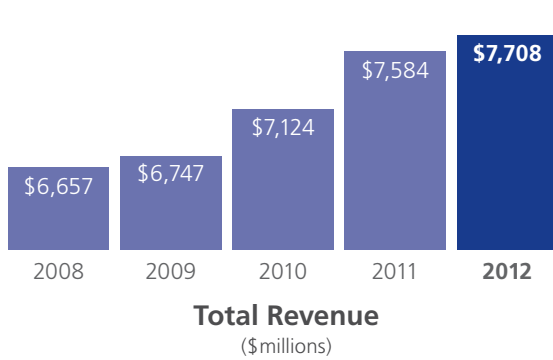
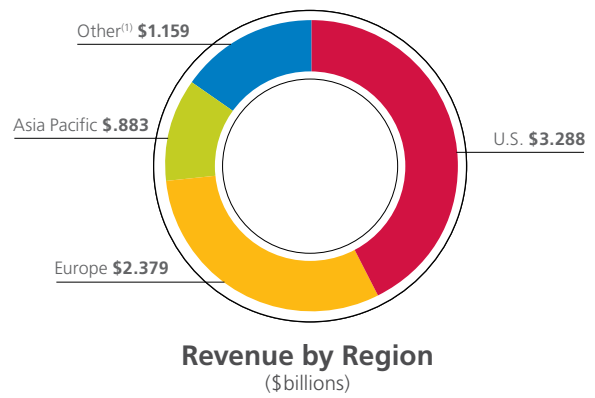
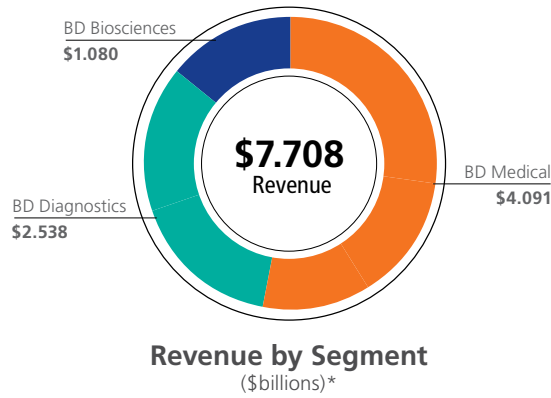
BD - Dun Laoghaire, Ireland, continues its 9-year association with the Business in the Community Network's Schools' Business Partnership Programme. This educational program partners schools with businesses to empower students to take control of their futures. Each participating BD associate makes a 2-year commitment to mentor a student. The associates provide students from Cabinteely Community School with the opportunity to learn about BD's business and to consider the career and further study options available to them.

BD - Franklin Lakes, New Jersey, supports the Greater Spruce Street Neighborhood Revitalization Initiative with the New Jersey Community Development Corporation. The program seeks to apply a comprehensive neighborhood plan and revitalization strategy to improve the quality of life in the city of Paterson. Franklin Lakes associates also volunteer regularly for Habitat for Humanity of Bergen County, Oradell, New Jersey, and Eva's Village, a nonprofit social service organization in Paterson.

Performance

Financial

At BD we measure our sustainability performance using a number of metrics that address our economic, social and environmental impacts. We report our 2011 fiscal year performance data on our owned and operated facilities here.



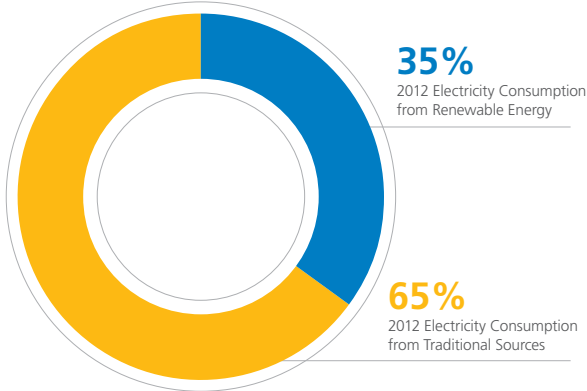
*Amounts may not add due to rounding.

(1) Other is comprised of Latin America, Canada and Japan.

Performance

Environmental

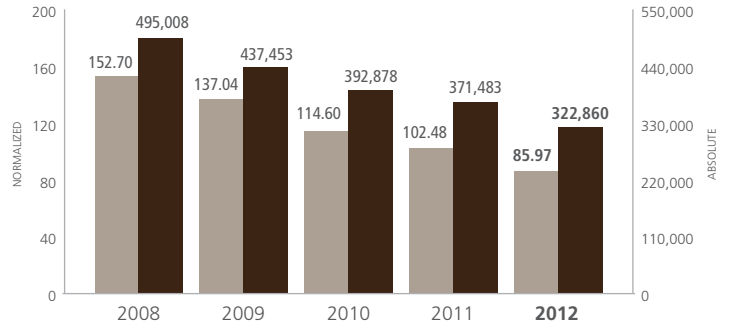
Use of Renewable Energy



Data represents Scope 2 (indirect from electricity) energy sources. Renewable Energy includes purchase of Renewable Energy Credits (RECs) and on-site generation.



Greenhouse Gas Emissions (metric tons CO₂-e)

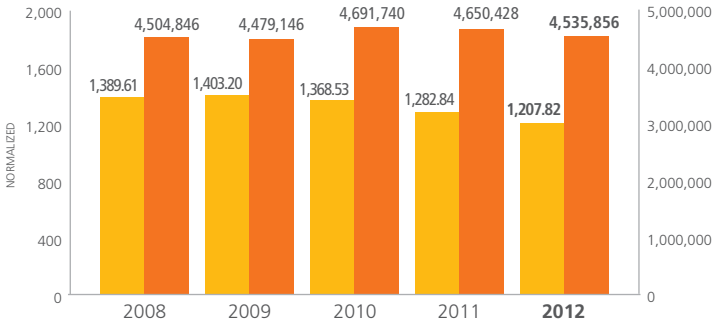


■ NORMALIZED: METRIC TONS CO₂-e PER \$MILLION COST OF PRODUCTS SOLD
 ■ ABSOLUTE

Data represents Scope 1 (direct fuel use) and Scope 2 (indirect from electricity) emissions.



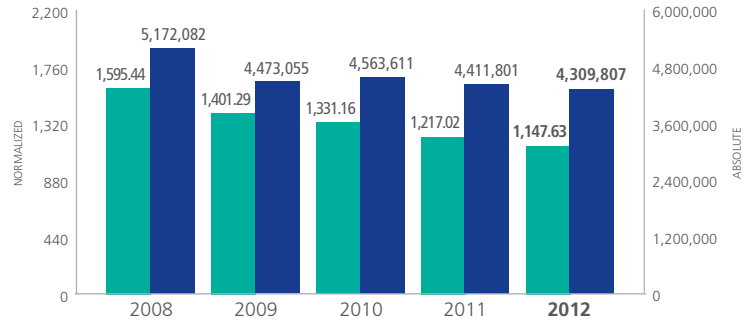
Energy Consumption (gigajoules)



■ NORMALIZED: GIGAJOULES PER \$MILLION COST OF PRODUCTS SOLD
 ■ ABSOLUTE



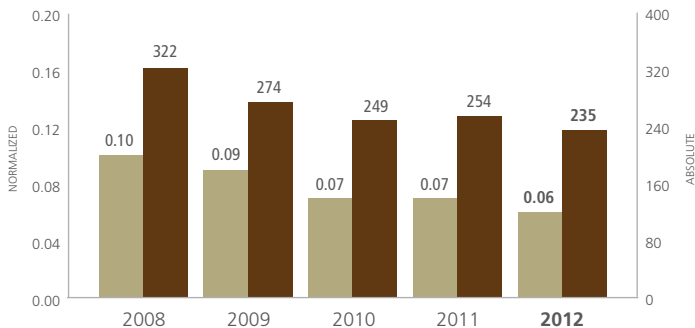
Water Consumption (cubic meters)



■ NORMALIZED: CUBIC METERS PER \$MILLION COST OF PRODUCTS SOLD
 ■ ABSOLUTE



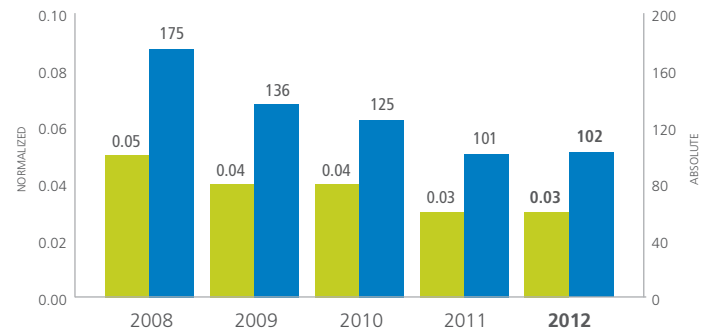
Ozone Depleting Substance Emissions (metric tons)



■ NORMALIZED: METRIC TONS PER \$MILLION COST OF PRODUCTS SOLD
 ■ ABSOLUTE



Volatile Organic Compound (VOC) Emissions (metric tons)



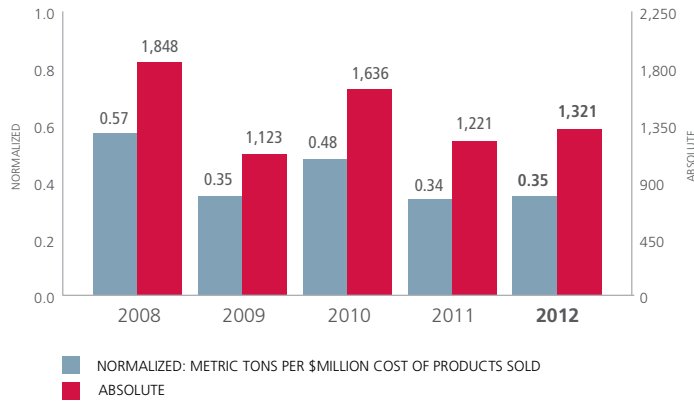
■ NORMALIZED: METRIC TONS PER \$MILLION COST OF PRODUCTS SOLD
 ■ ABSOLUTE

2008 baselines have been restated for all environmental performance metrics, due to divestiture of BD Biosciences – Discovery Labware and improved quality checks in data collection.

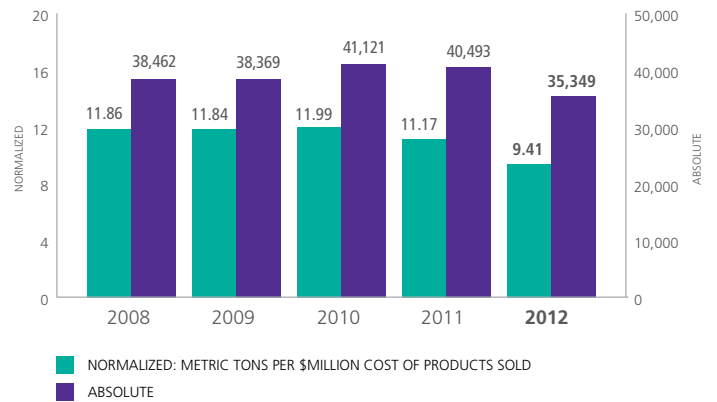
Performance



Hazardous Waste Disposed
(metric tons)



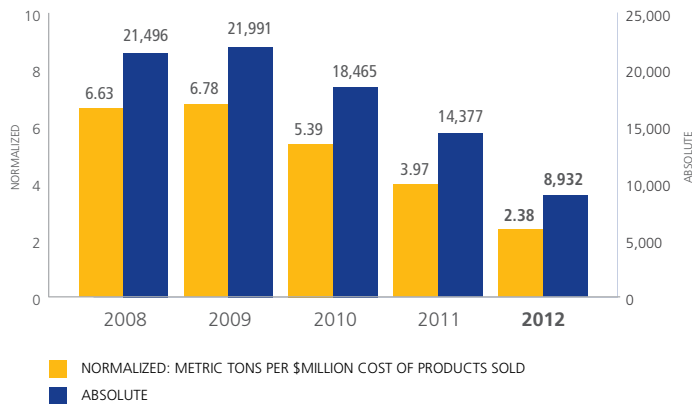
Non-hazardous Waste Generation
(metric tons)



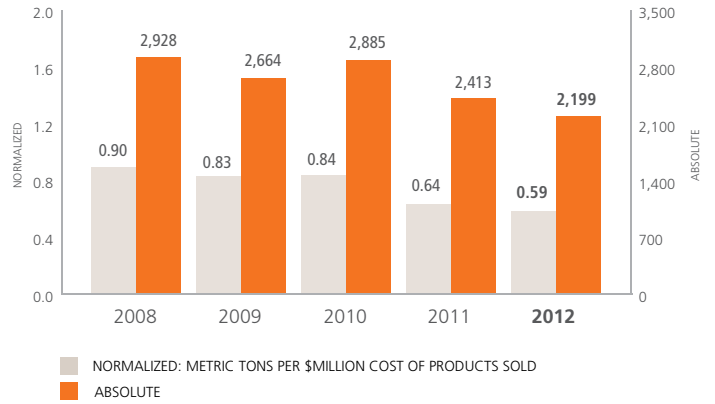
Includes total generation of non-hazardous wastes that are landfilled, incinerated or recycled.



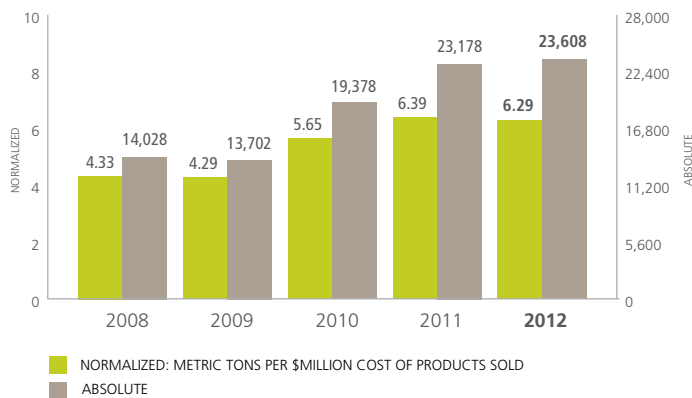
Non-hazardous Waste Disposal – Landfilled
(metric tons)



Non-hazardous Waste Disposal – Incinerated
(metric tons)



Non-hazardous Waste Disposal – Recycled
(metric tons)



2008 baselines have been restated for all environmental performance metrics, due to divestiture of BD Biosciences – Discovery Labware and improved quality checks in data collection.

Awards, Recognitions and Affiliations



CORPORATE SUSTAINABILITY

- Dow Jones Sustainability North American Index, since 2005
- Dow Jones Sustainability World Index, since 2006
- FTSE4Good Index, since 2003
- New Jersey State Governor's Jefferson Award
- World's Most Admired Companies — *FORTUNE*
- World's Most Ethical Companies — Ethisphere® Institute, since inaugural year in 2007

ENVIRONMENT, HEALTH AND SAFETY

- Green Rankings Top 50 — *Newsweek*
- Champion for Change Environmental Excellence Award — Practice Greenhealth
- Gold Award — Health Promotion Board of Singapore
- Nebraska Industrial Council on Environment — Environmental Program Recognition
- South Carolina Chamber of Commerce — Safety Program Recognition
- U.S. EPA Energy Star® Challenge for Industry, Achiever Status — Five BD sites

- U.S. EPA Green Power Partnership Member — 2012 Leadership Club
- U.S. EPA SmartWay® Transport Partner — Member
- WindMade — Pioneer Company

INNOVATION

- World's Most Innovative Companies — *Forbes*
- New Jersey Technology Council — Public Company of the Year
- New Jersey Inventors Hall of Fame — Corporate Award

EMPLOYER OF CHOICE

- Best Employers for Healthy Lifestyles — U.S. National Business Group on Health
- Best Employers™ South Africa — Corporate Research Foundation Institute
- Best Places to Work in New Jersey — *NJBIZ*
- CEO Cancer Gold Standard™ Accreditation — CEO Roundtable on Cancer
- Employer of Choice for Women in Australia — Equal Opportunity for Women in the Workplace

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Global Reporting Initiative (GRI 3.1) Index

This index provides information on BD's application of the Global Reporting Initiative (GRI) G3.1 Guidelines in this report.

STRATEGY AND ANALYSIS

	GRI GUIDELINE	LOCATION
1.1	Core Statement from the most senior decision maker of the organization about the relevance of sustainability to the organization and its strategy.	A Letter to Our Stakeholders
1.2	Core Description of key impacts, risks and opportunities.	10-K A Letter to Our Stakeholders Sustainability: An Essential Element of BD

PROFILE

2.1	Core Name of reporting organization.	BD (Becton, Dickinson and Company)
2.2	Core Primary brands, products and/or services.	About BD
2.3	Core Operational structure of the organization including main divisions, operating companies, subsidiaries and joint ventures.	About BD 10-K
2.4	Core Location of organization's headquarters.	About BD
2.5	Core Number of countries where organization operates and names of countries with either major operations or that are specifically relevant to the sustainability issues covered in the report.	About BD 10-K
2.6	Core Nature of ownership and legal form.	10-K
2.7	Markets served (including geographic breakdown, sectors served and types of customers/beneficiaries).	About BD 10-K
2.8	Scale of the reporting organization, including: <ul style="list-style-type: none"> • Number of employees • Net sales • Total capitalization broken down in terms of debt and equity; and • Quantity of products or services provided 	About BD Performance 10-K
2.9	Significant changes during the reporting period regarding size, structure or ownership, including: <ul style="list-style-type: none"> • Location of, or changes in operations, including facility operations, closings and expansions • Changes in the share capital structure and other capital formation, maintenance and alteration operations 	About This Report Protecting and Preserving the Environment 10-K
2.10	Awards received in the reporting period.	2012 Awards, Recognitions and Affiliations

REPORT PARAMETERS

3.1	Reporting period for information provided.	About This Report
3.2	Date of most recent previous report.	About This Report
3.3	Reporting cycle.	About This Report
3.4	Contact point for questions regarding the report or its contents.	About This Report BD Sustainability Website

GRI GUIDELINE		LOCATION
REPORT SCOPE AND BOUNDARY		
3.5	Process for defining report content, including: <ul style="list-style-type: none"> Determining materiality Prioritizing topics within the report Identifying stakeholders the organization expects to use the report 	Sustainability: An Essential Element of BD Stakeholder Engagement
3.6	Boundary of the report.	About This Report
3.7	State any specific limitations on the scope or boundary of the report.	About This Report
3.8	Basis for reporting on joint ventures, subsidiaries, leased facilities, outsourced operations and other entities that can significantly affect comparability from period to period and/or between organizations.	About This Report
3.9	Data measurement techniques and the bases of calculations, including assumptions and techniques underlying estimations applied to the compilation of the indicators and other information in the report.	About This Report Protecting and Preserving the Environment Performance
3.10	Explanation of the effect of any re-statements of information provided in earlier reports, and the reasons for such re-statement.	About BD Protecting and Preserving the Environment Performance
3.11	Significant changes from previous reporting periods in the scope, boundary or measurement methods applied in the report.	About BD Protecting and Preserving the Environment Performance
GRI CONTENT INDEX		
3.12	Table identifying the location of the standard disclosures in the report.	This Index
ASSURANCE		
3.13	Policy and current practice with regard to seeking external assurance for the report. If not included in the assurance report accompanying the Sustainability Report, explain the scope and basis of any external assurance provided. Also explain the relationship between the reporting organization and the assurance provider.	BD does not currently seek external assurance for Sustainability reporting.
GOVERNANCE, COMMITMENTS AND ENGAGEMENT		
GOVERNANCE		
4.1	Governance structure of the organization, including committees under the highest governance body responsible for specific tasks, such as setting strategy or organizational oversight.	Guiding our Business with Good Governance and Ethics
4.2	Indicate whether the Chair of the highest governance body is also an executive officer (and if so, their function within the organization's management and the reasons for this arrangement).	BD Corporate Governance
4.3	For organizations that have a unitary board structure, state the number of members of the highest governance body that are independent and/or non-executive members.	Guiding our Business with Good Governance and Ethics
4.4	Mechanisms for stakeholders and employees to provide recommendations or direction to the highest governance body.	BD Corporate Governance Stakeholder Engagement
4.5	Linkage between compensation for members of the highest governance body, senior managers and executives (including departure arrangements) and the organization's performance (including social and environmental performance).	Executive Compensation
4.6	Processes in place for the highest governance body to ensure conflicts of interest are avoided.	BD Code of Conduct
4.7	Process for determining the qualifications and expertise of the members of the highest governance body for guiding the organization's strategy on economic, environmental and social topics.	BD Corporate Governance

	GRI GUIDELINE	LOCATION
4.8	Internally developed statements of mission or values, codes of conduct and principles relevant to economic, environmental and social performance, and the status of their implementation.	A Letter to Our Stakeholders Sustainability: An Essential Element of BD Guiding our Business with Good Governance and Ethics
4.9	Procedures of the highest governance body for overseeing the organization's identification and management of economic, environmental and social performance, including relevant risks and opportunities, and adherence or compliance with internationally agreed standards, codes of conduct and principles.	Guiding our Business with Good Governance and Ethics Sustainability Governance
4.10	Processes for evaluating the highest governance body's own performance, particularly with respect to economic, environmental and social performance.	BD Corporate Governance Guiding our Business with Good Governance and Ethics

COMMITMENTS TO EXTERNAL INITIATIVES

4.11	Explanation of whether and how the precautionary approach or principle is addressed by the organization.	The precautionary principle is addressed by the organization through its sustainability initiatives and the associated guidelines, management structures and policies, including: Materials Use
4.12	Externally developed economic, environmental and social charters, principles or other initiatives to which the organization subscribes or endorses.	Various, including: AdvaMed Code of Ethics on Interactions with Health Care Professionals WindMade™ Energy Star®
4.13	Members in associations and/or national/international advocacy organizations in which the organization: <ul style="list-style-type: none"> • Has positions in governance bodies • Participates in projects or committees • Provides substantive funding beyond routine membership dues • Views membership as strategic 	Various, including: Advanced Medical Technology Association (AdvaMed) Public-Private Partnerships MedTech Europe WindMade™

STAKEHOLDER ENGAGEMENT

4.14	List of stakeholder groups engaged by the organization E.g., communities, civil society, customers, shareholders and providers of capital, suppliers and employees, other workers and their trade unions.	Stakeholder Engagement
4.15	Basis for identification and selection of stakeholders with whom to engage. Includes process for defining stakeholder groups and for determining the groups with which to engage.	Stakeholder Engagement
4.16	Approaches to stakeholder engagement, including frequency of engagement by type and by stakeholder group. E.g., surveys, focus groups, community panels, corporate advisory panels, written communication, management/union structures and other vehicles. Say whether any engagement was undertaken specifically as part of the report preparation process.	Stakeholder Engagement
4.17	Key topics and concerns that have been raised through stakeholder engagement and how the organization has responded to those key topics and concerns, including through its reporting.	Stakeholder Engagement

PERFORMANCE: ECONOMIC

GRI GUIDELINE

LOCATION

DISCLOSURE ON MANAGEMENT APPROACH

		Provide a concise disclosure on the management approach items outlined below with reference to the following economic aspects: economic performance, market presence and indirect economic impacts.	About BD Guiding our Business with Good Governance and Ethics Sustainability: An Essential Element of BD
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ECONOMIC PERFORMANCE INDICATORS

ASPECT: ECONOMIC PERFORMANCE

EC1	Core	Direct economic value generated and distributed, including revenues, operating costs, employee compensation, donations and other community investments, retained earnings and payments to capital providers and governments.	Annual Report
EC2	Core	Financial implications and other risks and opportunities for the organization's activities due to climate change.	Position on Climate Change
EC3	Core	Coverage of the organization's defined benefit plan obligations.	Annual Report
EC4	Core	Significant financial assistance received from government.	10-K

ASPECT: MARKET PRESENCE

EC6	Core	Policy, practices and proportion of spending on locally based suppliers at significant locations of operation.	Supplier Diversity
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ASPECT: INDIRECT ECONOMIC IMPACTS

EC8	Core	Development and impact of infrastructure investments and services provided primarily for public benefit through commercial, in-kind or pro-bono engagement.	Strengthening Healthcare Infrastructures
EC9	Additional	Understanding and describing significant indirect economic impacts, including the extent of impacts.	Addressing Unmet Health Needs

PERFORMANCE: ENVIRONMENTAL

DISCLOSURE ON MANAGEMENT APPROACH

		Provide a concise disclosure on the management approach items outlined below with reference to the following environmental aspects: materials, energy, water, biodiversity, emissions, effluents and waste, products and services, compliance, transport and overall.	Protecting and Preserving the Environment
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ENVIRONMENTAL PERFORMANCE INDICATORS

ASPECT: ENERGY

EN3	Core	Direct energy consumption by primary energy source.	Performance
EN5	Additional	Energy saved due to conservation and efficiency improvements.	Energy Performance
EN6	Additional	Initiatives to provide energy-efficient or renewable energy based products and services, and reductions in energy requirements as a result of these initiatives.	Energy Performance
EN7	Additional	Initiatives to reduce indirect energy consumption and reductions achieved.	Energy Logistics Sustainable Procurement Performance

GRI GUIDELINE			LOCATION
ASPECT: WATER			
EN8	Core	Total water withdrawal by source.	Performance
ASPECT: EMISSIONS, EFFLUENTS AND WASTE			
EN16	Core	Total direct and indirect greenhouse gas emissions by weight.	Performance
EN17	Core	Other relevant indirect greenhouse gas emissions by weight.	Performance
EN18	Additional	Initiatives to reduce greenhouse gas emissions and reductions achieved.	Energy and Emissions
EN19	Core	Emissions of ozone-depleting substances by weight.	Performance
EN20	Core	NOx, SOx, and other significant air emissions by type and weight.	Performance
EN22	Core	Total weight of waste by type and disposal method.	Waste Performance
EN23	Core	Total number of significant spills.	No significant spills
ASPECT: PRODUCTS AND SERVICES			
EN26	Core	Initiatives to mitigate environmental impacts of products and services, and extent of impact mitigation.	Ensuring the Safety and Environmental Performance of Our Products
ASPECT: COMPLIANCE			
EN28	Core	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations.	No significant fines or sanctions for non-compliance with environmental laws and regulations.
EN29	Additional	Significant environmental impacts of transporting products and other goods and materials used for the organization's operations and transporting members of the workforce.	Logistics
ASPECT: OVERALL			
PERFORMANCE: LABOR PRACTICES AND DECENT WORK			
DISCLOSURE ON MANAGEMENT APPROACH			
		Provide a concise disclosure on the management approach items outlined below with reference to the following labor aspects; employment, labor/management relations, occupational health and safety, training and education and diversity and equal opportunity.	Making BD an Even Better Place to Work
LABOR PRACTICES AND DECENT WORK PERFORMANCE INDICATORS			
ASPECT: EMPLOYMENT			
LA1	Core	Total workforce by employment type, employment contract and region.	Making BD an Even Better Place to Work
ASPECT: LABOR/MANAGEMENT RELATIONS			
LA4	Core	Percentage of employees covered by collective bargaining agreements.	Human Rights
ASPECT: OCCUPATIONAL HEALTH AND SAFETY			
LA7	Core	Rates of injury, occupational diseases, lost days, absenteeism and number of work-related fatalities by region.	Health and Safety
LA8	Core	Education, training, counseling, prevention and risk-control programs in place to assist workforce members, their families or community members regarding serious diseases.	Wellness
ASPECT: TRAINING AND EDUCATION			
LA10	Core	Average hours of training per year per employee by employee category.	Learning and Leadership Development Ethics and Compliance Quality Management Systems and Training Managing Safety

GRI GUIDELINE			LOCATION
LA11	Additional	Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing their careers.	Learning and Leadership Development
LA12	Additional	Percentage of employees receiving regular performance and career development reviews.	Learning and Leadership Development

ASPECT: DIVERSITY AND EQUAL OPPORTUNITY

PERFORMANCE: HUMAN RIGHTS

DISCLOSURE ON MANAGEMENT APPROACH

		Provide a concise disclosure on the management approach items outlined below with reference to the following human rights: investment and procurement practices, non-discrimination, freedom of association and collective bargaining, abolition of child labor, prevention of forced and compulsory labor, complaints and grievance practices, security practices and indigenous rights.	Human Rights BD Code of Conduct
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HUMAN RIGHTS INDICATORS

ASPECT: INVESTMENT AND PROCUREMENT ACTIVITIES

HR3	Additional	Total hours of employee training on policies and procedures concerning aspects of human rights that are relevant to operations, including the percentage of employees that are trained.	Ethics and Compliance Human Rights
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ASPECT: NON-DISCRIMINATION

ASPECT: FREEDOM OF ASSOCIATION AND COLLECTIVE BARGAINING

HR5	Core	Operations identified in which the right to exercise freedom of association and collective bargaining may be at significant risk, and actions taken to support these rights.	Human Rights
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ASPECT: CHILD LABOR

HR6	Core	Operations identified as having a significant risk for incidents of child labor, and measures taken to contribute to the elimination of forced or compulsory labor.	Human Rights Sustainable Procurement
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ASPECT: FORCED AND COMPULSORY LABOR

HR7	Core	Operations identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of forced or compulsory labor.	Human Rights Sustainable Procurement
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PERFORMANCE: SOCIETY

DISCLOSURE ON MANAGEMENT APPROACH

		Provide a concise disclosure on the management approach items outlined below with reference to the following society aspects: community, corruption, public policy, anti-competitive behavior and compliance.	Public Policy Work Anti-Bribery and Anti-Corruption BD Code of Conduct Human Rights Addressing Unmet Health Needs
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SOCIETY PERFORMANCE INDICATORS

ASPECT: COMMUNITY

SO1	Core	Percentage of operations with implemented local community engagement, impact assessments and development programs.	Addressing Unmet Health Needs
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ASPECT: CORRUPTION

SO3	Core	Percentage of employees trained in organization's anti-corruption policies and procedures.	Anti-Bribery and Anti-Corruption BD Code of Conduct
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GRI GUIDELINE			LOCATION
ASPECT: PUBLIC POLICY			
SO5	Core	Public policy positions and participation in public policy development and lobbying.	Public Policy Work
SO6	Additional	Total value of financial and in-kind contributions to political parties, politicians and related institutions by country.	Political Contributions

PERFORMANCE: PRODUCT RESPONSIBILITY

DISCLOSURE ON MANAGEMENT APPROACH

		Provide a concise disclosure on the management approach items outlined below with reference to the following society aspects: customer health and safety, product and service labeling, marketing communications, customer privacy and compliance.	Ensuring the Safety and Environmental Performance of Our Products
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PRODUCT RESPONSIBILITY PERFORMANCE INDICATORS

ASPECT: CUSTOMER HEALTH AND SAFETY

PR1	Core	Life cycle stages in which health and safety impacts of products and services are assessed for improvement, and percentage of significant products and services categories subject to such procedures.	Product Life Cycle
PR2	Additional	Total number of incidents of non-compliance with regulations and voluntary codes concerning health and safety impacts of products and service during their life cycle, by type of outcomes.	Regulatory Affairs and Quality
PR3	Core	Type of product and service information required by procedures, and percentage of significant products and service subject to such information requirements.	Regulatory Affairs and Quality
PR4	Additional	Total number of incidents of non-compliance with regulations and voluntary codes concerning product and service information and labeling, by type of outcomes.	No instances of non-compliance Regulatory Affairs and Quality 10-K
PR5	Additional	Practices related to customer satisfaction, including results of surveys measuring customer satisfaction.	Customers Quality Management Systems and Training

ASPECT: MARKETING COMMUNICATIONS

PR6	Core	Programs for adherence to laws, standards and voluntary codes concerning marketing communications, including advertising, promotion and sponsorship.	Regulatory Affairs and Quality
PR7	Additional	Total number of incidents of non-compliance with regulations and voluntary codes concerning marketing communications, including advertising, promotion and sponsorship, by type of outcomes.	No instances of non-compliance Regulatory Affairs and Quality 10-K

ASPECT: COMPLIANCE

PR9	Core	Monetary value of significant fines for non-compliance with laws and regulations concerning the provision and use of products and services.	No material fines Regulatory Affairs and Quality 10-K
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1 Becton Drive
Franklin Lakes, NJ 07417
www.bd.com