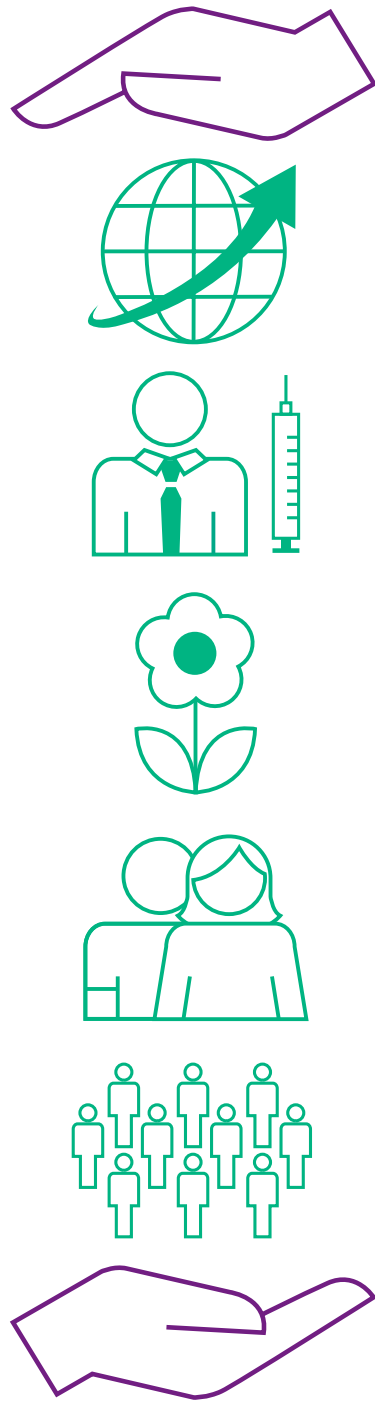




B. BRAUN | SUSTAINABILITY REPORT | 2018



# FOREWORD

Dear Reader,



At B. Braun, we bring sustainability to life in a variety of ways. In this report, we faced the challenge of presenting the facts from the past three years in order to provide insight into our sustainable action.

Our sustainability-related activities aim to support the regions where we operate, while satisfying the local conditions and necessities.

In line with "Sharing Expertise", we place a high value on transparency. Accordingly, we have expanded the reporting and are also increasingly standardizing it internationally. We will even go a step further in the future and have our sustainability data analyzed by an independent auditing company.

This report considers the essential data of our national subsidiaries with the largest staff, which represents 84% of the overall workforce. In our examples, however, we also show initiatives from smaller companies.

The diversity of ideas from our employees in 64 countries around the world and the resulting economic, ecological and social measures are expressly sought after. All of them together pursue one vision: to protect and improve the health of people around the world.

I wish you informative and inspired reading.

Prof. Dr. Heinz-Walter Große  
Chairman of the Management Board

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## IMPRINT

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14 reporting countries cover  
**84%**  
 of the total B. Braun workforce



Our portfolio comprises  
**18**  
 therapy fields and indication areas



In  
**2013**  
 the "B. Braun for Safety" project began

We invested  
**1,285**  
 € million in 2017

SUSTAINABILITY IN THE FAMILY-OWNED B. BRAUN GROUP | We are convinced that sustainable thinking strengthens our company, encourages growth, and makes an essential contribution to remaining an independent family-owned business in the future. Sustainable action promotes collaboration with colleagues, strengthens relationships with customers, partners and society, and creates added value as a result. Economical, ecological and social.

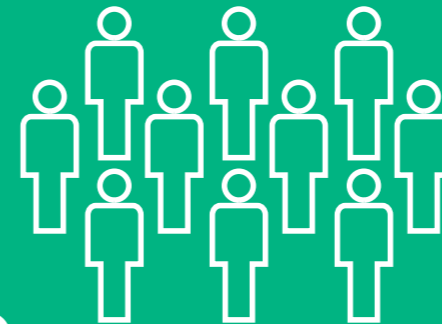
Within two years we reduced the use of plastic film by

**12.1%**



**86%**  
 of our waste can be recycled

**1,534**  
 young people completed their training with B. Braun in 2017



**239**  
 social projects were promoted by B. Braun in 2017

Our headcount since 2015 has grown by  
**10.5%**



The projects benefited  
**59,000**  
 children and young people

For 179 years, it has been one goal above all that has driven B. Braun every day: protecting and improving the health of people - and today, we do that all around the world. In addition to innovation and efficiency, sustainability is one of the company's core values. Above it stands the promise of sharing our knowledge and skills in constructive dialog with customers and partners - our promise of Sharing Expertise.

For example, we address topics and challenges in the healthcare industry together with medical specialists, doctors, patients, hospital managers and health officials in order to increase treatment quality and patient safety, as well as to optimize economic operations. To do so, we develop innovative solutions and guiding standards that meet the growing requirements of the healthcare market and efficiently improve internal and external processes.

B. Braun's employees also live out this promise in their daily work, by actively seeking out new forms of communication and cooperation and finding the best possible solutions through collaboration. Sustainability is therefore not an end in itself for us; it forms the foundation of what we do: we are convinced that a sustainably operating company, which accepts responsibility for present and future generations, can also grow in the future.

# FOR ME, SUSTAINABILITY MEANS



» MARIA LAURA MURIAS, ARGENTINA  
WORKED AT B. BRAUN SINCE 2012

For me, sustainability is a kind of long-term thinking, and each of our actions influences it. My contribution is handling resources responsibly, not only in my workplace, but also at home. For example, I try to recycle as much paper as possible, to reuse things and to pay attention to how much energy I use. These little things have a positive influence and also show my daughter how easy it is to respect the environment.

» GHAZAL SAJID, PAKISTAN  
WORKED AT B. BRAUN SINCE 2013

I live in a country that is trying to cope with a growing energy crisis. Power outages frequently occur in the city in which I live; therefore, sustainability is just not a "good idea", it's a necessity. For me, sustainability is primarily resource management. We ensure that we only use energy-efficient equipment and insulate our walls and roofs to protect ourselves from the heat and to save energy.

I teach my children the idea of paying attention to resources, for example, not to let equipment run unnecessarily or to switch off the light and air conditioning when they leave a room. My daughter also already has a clear idea about recycling.

Sustainability is therefore a kind of lifestyle for us, as we are aware and value our resources. I then automatically take this attitude with me to work.



» JULIA JERGER, UNITED ARAB EMIRATES  
WORKED AT B. BRAUN SINCE 2013

For me, sustainability means the obligation to minimize our ecological footprint and to maintain our environment for future generations. I live in Dubai, a city which by itself stands for an enormous waste of energy. That does not make it easier to live a sustainable lifestyle.

It is a city in which a great deal of money is invested in renewable energy, and at the same time, I am given a new plastic bag for each individual food item that I buy in the supermarket. As I believe that each and every one of us can make a difference, I always take my fabric shopping bag with me when I go shopping in order to avoid plastic bags.

In the company we try to use our resources carefully and therefore only use packaging materials provided to us by the headquarters in Melsungen. In almost 3½ years we didn't have to buy our own supplies.



» AUGIE LEDWABA, SOUTH AFRICA  
WORKED AT B. BRAUN SINCE 2017



For me, sustainability means the continuous growth of B. Braun through research and development, so that we secure future growth and offer sustainable jobs. This includes continuing to develop employees and products, opening up new markets and acquiring new customers. We must continue to learn from and work with each other in line with our philosophy of "Sharing Expertise", so that we act sustainably.



RAÚL LAVÍN, CHILE  
WORKED AT B. BRAUN SINCE 2016

We understand sustainability to be the way of acting entrepreneurially while at the same time, respecting and protecting our environment, society, customers, patients and co-workers.

In Santiago, in our introductory events, we point out the company's values. In the production department a team checks how we can minimize product waste, packaging materials and transport routes. Likewise, we use forklift trucks in our logistics center.

In addition, we are committed to social facilities in the region: Within the past two years we have increased our support for the Edudown Foundation, which offers children with Down's syndrome educational and social help, to make it easier for them to live in society.



CATHERINE BAUTISTA, PHILIPPINES  
WORKED AT B. BRAUN SINCE 1987

For me, sustainability is simply the many small things that I can do each and every day to make our world a better place. For me it is a good added benefit that through actively practicing sustainability, I can also strengthen friendships with my co-workers. For example, each day, like many of my co-workers, I bring my breakfast to work in washable containers. We then share home-made food and great conversations.

I also formed a carpool with other co-workers who live in my area. This way we ensure that there are fewer cars on the roads. Talking and laughing during the journey is of course far more fun together. With such simple measures, we can reduce waste and pollution in the long term. I hope that more people would integrate sustainable actions into their everyday lives, so that we can continue to safeguard our world for future generations.



ADRIÁN CONTRERAS, MEXICO  
WORKED AT B. BRAUN SINCE 2010

For me, sustainability means balance. Balance with my environment and the society in which we live. The balance between what we receive from our families, friends, neighbors, colleagues, partners and, of course, our customers, and what we give back. Sustainability is equilibrium; the point at which we can live together in harmony. At B. Braun we search for the equilibrium in which we can continue to protect and improve the health of people and, at the same time, understand that we are only one part of an independent social, cultural and economic system. In my work I pay a lot of attention to the natural, economic and personnel resources we use. I apply this way of thinking in my everyday life.



SEBASTIAN DE LAZZERO, ROMANIA  
WORKED AT B. BRAUN SINCE 2015



Sustainability is that which I pass on to my children. By that I mean adapting their attitude towards the environment and ensuring my children grow up in a green environment also. Working sustainably means that my colleagues and I ensure that we print less to reduce waste and pay attention to our water and energy consumption.

At home, I ensure that my family lives in a green environment and that my children are aware of the value of home-grown strawberries or raspberries. I also teach them how to dispose of waste correctly and to use various equipment efficiently.



#### Africa is coming!

Akofa Bart-Plange and Sheila Cristina Simbine were 2017 participants in the "Afrika kommt!" (Africa is coming!) initiative. This makes them two of the seven young people from sub-Saharan Africa who took advantage of the opportunity to work for B. Braun. The "Afrika kommt!" initiative was founded in 2008 under the patronage of former Federal President Horst Köhler; many companies subsequently joined the initiative. 19 DAX and family-owned companies now offer young adults from Africa the opportunity for an eight-month internship in a German company, as well as intensive language courses and management training. Following her internship at headquarters in Melsungen, Akofa helped to open up new markets for B. Braun in West Africa; Sheila now works as a consultant for B. Braun in Kenya and Tanzania.

## SUSTAINABLE CORPORATE MANAGEMENT

### OUR COMPANY

B. Braun stands for innovation, efficiency and sustainability. These values make us what we are – a future-oriented, reliable and conscientious company. Our self-image is comprised of long-term economic success as well as the acceptance of ecological and social responsibility. We always have our goal in mind: improving and protecting the health of people.

B. Braun is one of the leading manufacturers of medical technology and pharmaceutical products worldwide, as well as a provider of medical services. In 2017, the company employed more than 61,000 workers in 64 countries, achieving sales of € 6.79 billion. Once again, we were able to achieve our growth goal of five to seven percent annually (figure 1). All regions increased their sales and contributed equally to this success (figure 3).

G4-56  
(GRI G4, Global Reporting Initiative Standard; overview and explanation in appendix, page 77)

G4-9

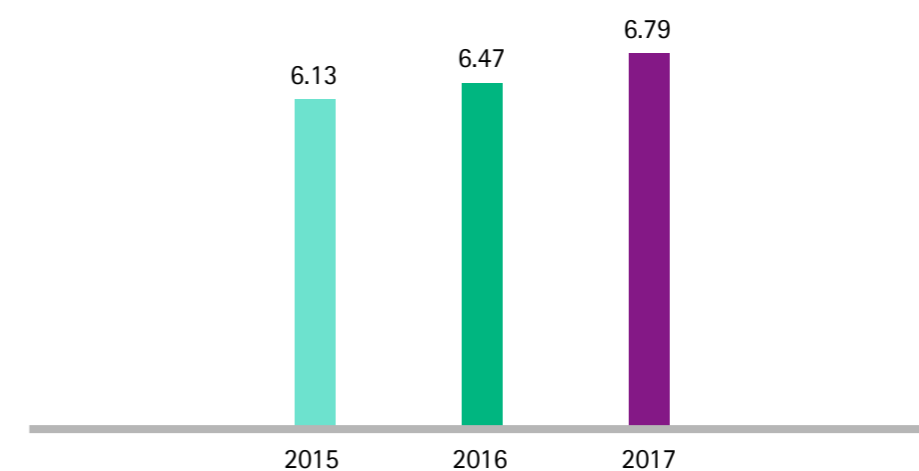


Figure 1

Sales development  
(in € billion)

The B. Braun product range comprises a total of 5,000 products, 95 percent of which are manufactured by the company. We consider ourselves to be a system partner and bundle our offering into 18 therapy fields and indication areas (figure 2).



Material aspect:  
Custom tailored  
therapy systems  
(result from the B.Braun  
materiality analysis;  
overview of all material aspects  
named in the  
report on page 23)

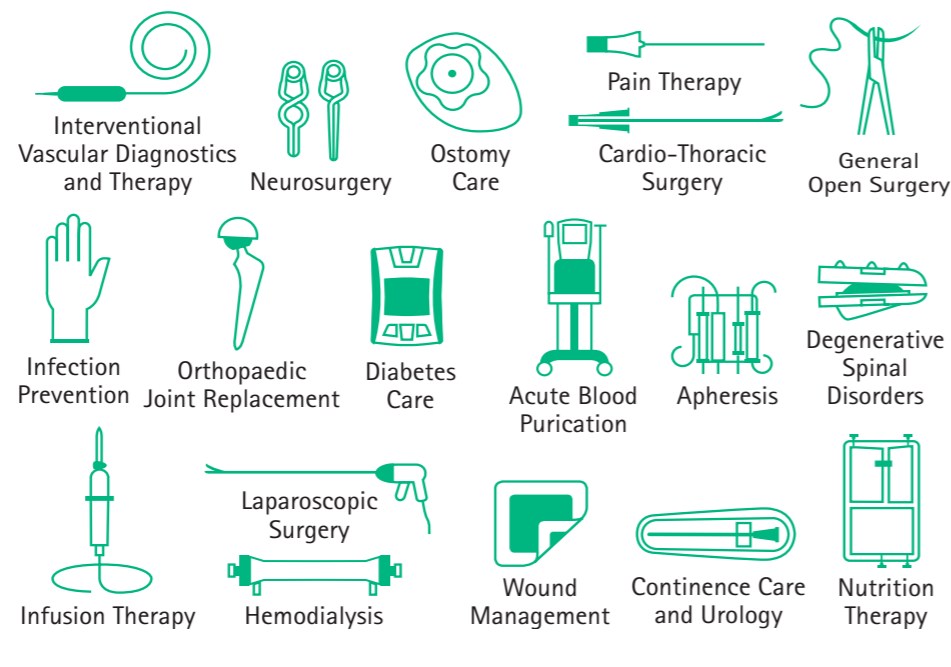
G4-8

Material aspect:  
High quality  
healthcare

We want to serve our clients in the best possible, most comprehensive way. Added value for our clients is created through the synergies of multiple B.Braun products and services. For example, we develop effective solutions for hospitals, doctors' practices, pharmacies, care and rescue services and for domestic care, as well as guiding standards for the health-care field in general. These include products for infusion, nutrition and pain therapy, infusion pumps and systems, surgical instruments, suture materials, hip and knee implants, dialysis equipment and accessories, and ostomy and wound care products. With our services and consulting offerings, we improve processes in hospitals, renal care centers and doctors' practices and make procedures safer and more efficient. In addition, B.Braun helps patients and their family members to prepare for in-home care.

Figure 2

18 B.Braun therapy fields and indication areas



G4-4

The 18 therapy fields and indication areas are collaboratively supported by four divisions of the company:

- B.Braun Hospital Care is the first choice for products and services which offer the best possible care for patients in the fields of infusion therapy, nutrition therapy and pain therapy.
- B.Braun Aesculap is the expert in all treatment concepts for surgery, orthopedics and interventional vascular medicine.
- B.Braun Out Patient Market focuses on meeting the needs of patients with chronic diseases outside the hospital setting. The focus here is on the five therapy fields of hygiene, diabetes, continence care and urology, ostomy and wound management.

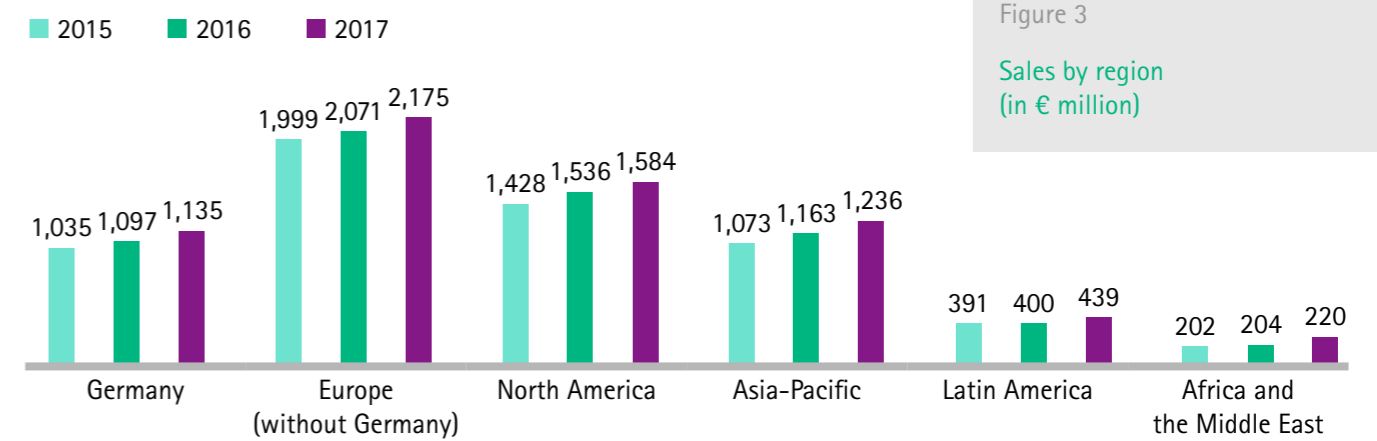


Figure 3  
Sales by region  
(in € million)

- B.Braun's Avitum division is one of the world's leading providers of products and services for people with chronic and acute kidney failure. As a system partner in dialysis, B.Braun Avitum is active in the three therapy fields of hemodialysis, acute dialysis and apheresis.

As a continuing education forum, the Aesculap Academy is oriented toward medical specialists and everyone who is professionally committed to people's health. Lecturers and participants are supported in continually expanding, deepening and sharing their knowledge by a diverse course selection. Every year, about 80,000 participants around the world take advantage of the continuing education offering from the Aesculap Academy. Its therapy-specific and application-specific courses are based on innovative and interdisciplinary course concepts that are implemented in all countries to meet high quality standards. The Aesculap Academy has increasingly established itself as a strategic partner for hospitals and their simulation centers and successfully works together with renowned national medical societies.

Material aspect:  
User trainings

In addition to operations at the headquarters in Melsungen, Germany, B.Braun Melsungen AG also takes on central functions for the entire corporate Group. In addition to leading the Group, these particularly include Group accounting and controlling, international human resources, purchasing, IT, logistics, the legal and tax department, corporate communications, the Group treasury and the Group Compliance Office. The company, which is not publicly traded, is completely family-owned.

G4-3  
G4-5

The Management Board, Supervisory Board and General Assembly represent the corporate bodies. With their steering function and respective department leadership responsibilities, the seven board members, together with the employees, bear responsibility for the company's success. The Supervisory Board consists of 16 members, half of whom are selected by the company's shareholders and the other half of whom are elected by the employees. Committees have been established to support the work of

G4-7  
G4-34

the Supervisory Board: The Personnel Committee, for example, is responsible for such matters as the Management Board members' employment contracts and compensation. The Audit Committee monitors the internal controls systems, the integrated compliance management system, accounting processes, and financial statement audits.

Material aspect:  
Compliance

B. Braun is the only family-owned company among the 20 largest manufacturers of medical devices worldwide. And our goal is to stay a private and independent family-owned corporation in the future. The Braun family has made a long-term commitment to achieving this goal: Prof. Dr. h. c. Ludwig Georg Braun, who managed the company for 34 years, has served as Chairman of the Supervisory Board since 2011. Barbara Braun-Lüdicke has been a Supervisory Board member since 1992. The sixth generation of the founding family has leading positions at various locations.

Material aspect:  
Independent  
family-owned business

As a family company, entrepreneurial independence and economic success are inseparably linked with sustainability for B. Braun. Together with the ecological dimension and the social dimension, the economic dimension forms our integrated corporate social responsibility approach, and thus the foundation for future-oriented action, which protects the interests of present and upcoming generations.

Material aspect:  
Corporate culture

"Growing together" is the guiding principle of our 2020 corporate strategy, which designates system partnership, profitability and collaboration as its most important goals. These goals are pursued in all divisions and regions and supported by centralized units and departments. Collaboration within the company and with patients, users and suppliers is characterized by transparency, trust and recognition. For us, growing together also means enabling future investments with our own profitability and thereby securing our long-term existence (figure 4). These include investments in a variety of areas:

Material aspect:  
Sharing Expertise

- Our research and development activities include all of the company's 18 therapy fields. Over the past years, the expenditures in this area were continually increased in order to secure the long-term future of the company: the main focus of research and development activities at B. Braun is increasing patient and user safety and improving processes in the medical field, such as in the hospital and in nursing.
- Centers of Excellence (CoE) bundle research, development, production and approval for specific therapy fields. The individual departments are in close communication with each other, such as at the CoE "Infection Control" in Sempach, Switzerland (example box 1). Key CoEs are also located in Melsungen (Germany), Tuttlingen (Germany), Boulogne (France), Penang (Malaysia), Rubí (Spain) and Allentown (USA). This decentralized structure enables both a rapid response to market changes and the exchange of know-how within a short period of time.
- The expansion of know-how and technologies is closely linked to the expansion of our locations. Financial resources continually flow into new construction and existing production facilities, new products and procedures. In Romania, we are planning a new site for production, research and development, and goods distribution. In addition, we will continue investing in the sites located in Germany and in our large sites in Malaysia, Spain, Hungary and the USA.
- With targeted acquisitions, we have been able to secure additional know-how and market share in strategically important business fields. For example, our network of renal care centers has continued to grow through acquisitions; we now serve more than 29,000 patients worldwide in our 360 dialysis facilities. In South Africa, we also acquired a production plant for infusion and disinfection solutions in 2016. By purchasing shares in a manufacturer of films in Italy, we were able to expand and improve the production of bags for infusion solutions in 2017.
- Project work with start-up companies offers great opportunities not only to B. Braun, but also to the entrepreneurs: our Accelerator program offers specially tailored support to selected start-ups in the form of know-how, market access and financing. Start-ups can also utilize the inspiring project spaces and workshops of "werk\_39" in Tuttlingen. The goal is to test the most promising ideas for customer demand and technical feasibility at an early stage, in order to develop viable solutions.

Material aspect:  
Product quality and safety

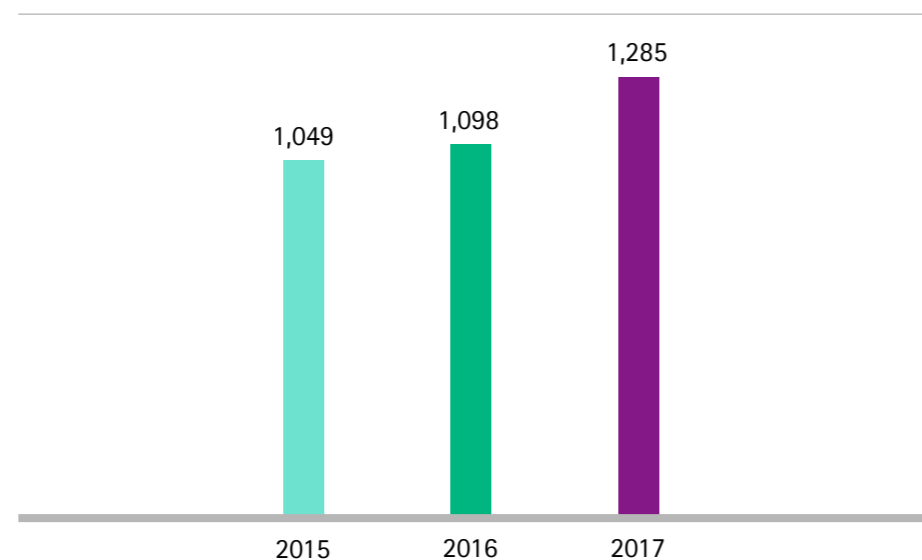
Material aspect:  
Innovation

G4-13

Material aspect:  
Innovation

Figure 4

Investments in financial assets  
and research and development  
(in € million)





1 | Certificate for  
Center of Excellence in Switzerland

EXPERTS IN HYGIENE  
AND CLIMATE PROTECTION



At the Center of Excellence (CoE) Infection Control in Sempach, Switzerland, B.Braun Medical AG bundles its expertise in the areas of hygiene and wound treatment. The 150 employees here work closely together with the departments of Research and Development, Production and Approval in order to provide products for hospitals, doctors' practices and home care. Innovative new developments and improvements are precisely tailored to the needs of patients and medical personnel. Sustainability and the protection of natural resources are important topics for the

CoE. For that reason, the Sempach location, which has been certified according to ISO 14001 since 1999, continuously works on optimizing its CO<sub>2</sub> balance, energy and water consumption per ton of produced product. For example, we have reduced our CO<sub>2</sub> emissions by 13 percent since 2011, despite constant growth – an effective contribution in connection with voluntary self-commitment and participation in the program of the Energy Agency of the Swiss Private Sector EnAW.

- B. Braun invests in various start-up funds, such as the High-Tech Gründerfonds (HTGF), which provides venture capital to promising technology companies. This investment gave rise to B. Braun's partnership with WeSustain, a provider of software for corporate sustainability management. WeSustain was one of the first HTGF projects B. Braun supported, and today serves our company as a global interface for the collection of all of the information and data upon which this sustainability report is based.

SUSTAINABILITY IN THE VALUE-ADDED PROCESS

"Sharing Expertise" is our promise to share, effectively use and consistently expand know-how and proficiency in medicine and healthcare in dialog with our partners. Management, its staff departments and our employees around the world have committed themselves to this promise.

At B. Braun, added value is a constantly renewing cycle. The various corporate activities shown in figure 5 each make their own contribution to corporate success.

Specifically, the core activities are:

- Procurement at B. Braun has a globally balanced and locally anchored supplier network that is characterized by many years of collaboration, as well as mutual trust and open communication. We select only those suppliers and logistics service providers that meet energy management, compliance and other quality criteria.

Material aspect:  
Sharing Expertise

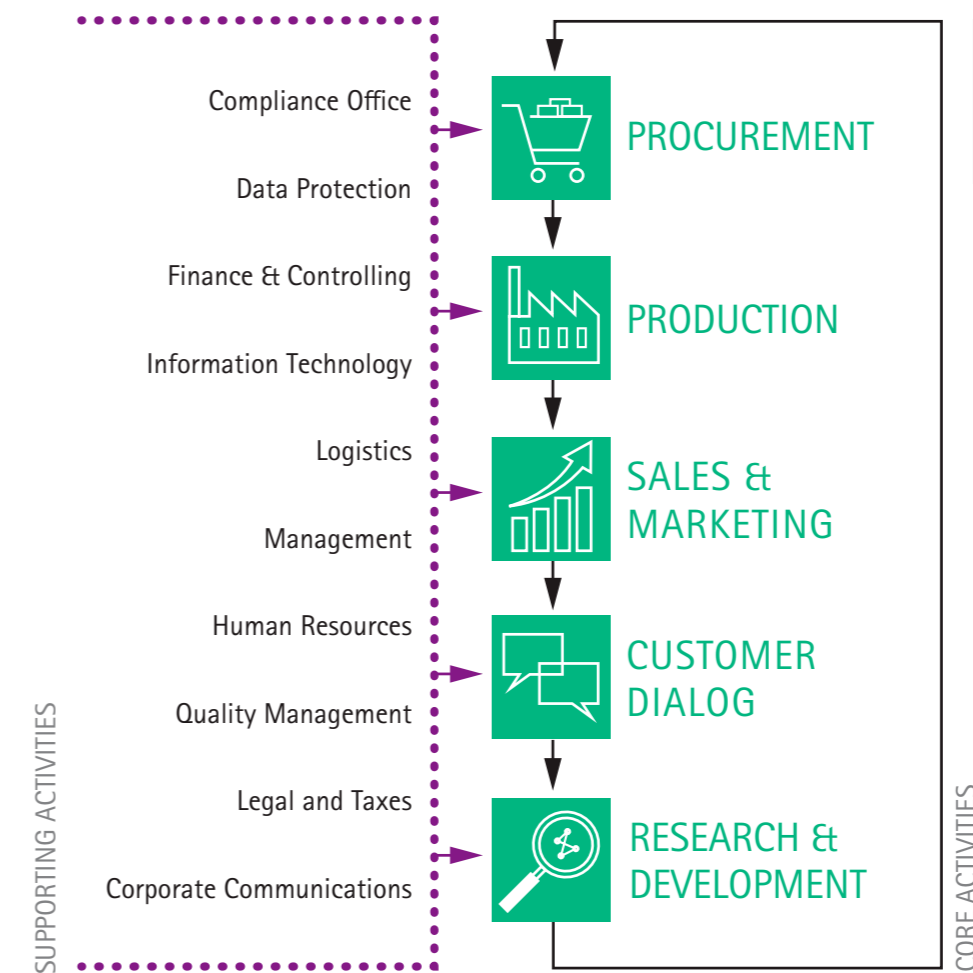


Figure 5  
B. Braun added value cycle

## 2 | B. Braun Austria

## SUPERBLY ORGANIZED

B. Braun Austria has been recognized by Quality Austria as an "Excellent Company in Austria." Since 2015, the B. Braun subsidiary has focused on the criteria model of the European Foundation for Quality Management (EFQM), with an eye on the strategic goals for 2020. The model provides a good overview of all functions and outcomes of an organization. In contrast to the ISO system, it additionally scrutinizes the individual processes. This makes for a good way to assess internal processes, to identify potential – and to have it all evaluated by a neutral external party, Quality Austria.

Following intensive preparations, B. Braun Austria was quickly included in the group of 18 "Excellent Companies of Austria" in 2017. The jury witnessed strengths in initiative, commitment and transparency in particular. The good

morale in the company and the employees' high level of motivation were also part of the positive evaluation. "The route to excellence is a marathon, not a sprint," says Manfred Mahrle, one of the two Managing Directors of B. Braun Austria. "It affects the entire company and is carried and supported by the entire management of our organization. The sustainability of outcomes and the will to deliberately question established processes are particularly important to us, as well as active communication on all levels."

B. Braun Austria is not the first organization in the corporation to use this approach. B. Braun Avitum Hungary was already evaluated according to EFQM in 2007 and, ten years later, is a permanent component of the internationally excellent company, with numerous quality awards, both nationally and internationally. B. Braun Austria has also set this goal for itself.



- Production: The particular requirements of the healthcare market make careful production with process-related inspection loops and accompanying compliance with national and international regulations on product registration, production validation and product safety indispensable.
- Marketing and sales: Behaving with integrity in competition is a foundation of the marketing of our products and services. That's why we promote and carry out fair, legal and free competition.
- Customer dialog: "Sharing Expertise" is at the center of our added value cycle. In continuous dialog with the users of our products and services, we acquire new insights and integrate them into the development of innovative solutions.
- Research and development: We aim to continually increase quality and safety in the healthcare sector with our solutions. Our particular expertise is increasing the user friendliness of existing therapies and minimizing risks.

Our supporting corporate activities are also geared towards sustainability. For example, management embraces the principles of responsible corporate and employee leadership and considers compliance with the applicable laws in a respective country to be the minimum requirement and starting point for constant improvement of working conditions. Information technology supports the digitalization of collaboration, processes, products and services, creating future-oriented values for B. Braun. The department of Finance and Controlling ensures well-balanced financial management, in the manner of the "honorable businessman." Corporate communication provides authentic information about B. Braun, providing for transparency regarding the development of the company, for example with this sustainability report. All activities combine into an increased process quality in the company, as the example of B. Braun in Austria shows (example box 2).

Material aspect:  
Compliance with  
human rights

## REPORTING BASED ON GRI INDICATORS

G4-29 This publication is B.Braun's second sustainability report, following the first in 2015. In addition to standardized specifications according to the G4 guidelines of the Global Reporting Initiative, this report contains best practice examples which illustrate B. Braun's sustainable activity. The data in this report covers the years 2015, 2016 and 2017.

G4-28 Over the past three years, we have expanded our international reporting system further and assessed selected GR-G4 indicators. The GRI indicator abbreviations are noted at the corresponding locations in the report and explained in an indicator index in the appendix. We primarily report from the countries in which at least 1,000 B.Braun workers are employed. At the end of 2017, this applied to 14 countries, in which approximately 84 percent of all employees worked. With this report, we can already document and illustrate (table 1) nearly complete sustainability indicators from eleven of these 14 countries. For the future, we plan to obtain consistent data from more and more locations around the world, in order to utilize it in our strategic and operational business.

G4-23

G4-6

Table 1

Countries with largest workforce (12/31/2017)  
G4-6

Country	Employees	Percentage share	Core reporting country
Germany	15,415	25.0	■
Malaysia	7,985	13.0	■
USA	7,074	11.5	■
Poland	2,721	4.4	■
Spain	2,690	4.4	■
Russia	2,594	4.2	
India	2,301	3.7	■
China	2,063	3.3	■
Hungary	2,022	3.3	■
France	2,008	3.3	■
Brazil	1,450	2.4	
Vietnam	1,207	2.0	■
Great Britain	1,186	1.9	■
Switzerland	1,033	1.7	
<b>Total</b>	<b>51,749</b>	<b>84.0</b>	
Other countries	9,834	16.0	
<b>B. Braun Group</b>	<b>61,583</b>	<b>100.0</b>	

The newly introduced data management system WeSustain makes our activities even more transparent. Using this system, we can efficiently and consistently capture and process sustainability information worldwide. The B. Braun departments involved benefit from the central management of international numbers and the numerous monitoring possibilities of non-financial indicators.

A materiality analysis performed in 2015 on the basis of an online survey identified the sustainability aspects that are particularly relevant for our stakeholders. With a scientific model and the B. Braun 2020 corporate strategy, we first defined internal and external groups representing clients, employees, partners and societal agents (table 2). We then prioritized them, so that we incorporated more clients into the analysis than some societal , for example, because they have greater influence on B. Braun development.

G4-25

G4-26

Internal	External		
Employees	Clients	Suppliers & Partners	Society
Senior managers	Doctors in the hospital	Suppliers	Politics
CSR experts	Physicians in private practice	Logistics service providers	Media
Product managers	Nursing staff	Industrial partners	Regions
Marketing & Sales	Patient Groups	Supervisory Authorities	Science & education institutions
Research & Development	Purchasers in the hospital	Trade unions	
Technical and commercial employees	Renal care centers		

Table 2

B. Braun stakeholders

G4-24

By integrating our stakeholders into the materiality analysis, we can more specifically address their needs, increasing the informative value of this sustainability report. In addition, we fulfill a key requirement of the GRI. The classification as "material" must be made in a traceable manner or must have been confirmed. Here, material means that reports should particularly contain all aspects that are significant to the sustainable development of a company.



**G4-18** Such aspects comprise economic, ecological and societal effects, even if they only have a long-term influence on the company.

72 potential material aspects formed the starting point of the analysis. They were compiled from the GRI guidelines, sector recommendations for the healthcare field and materiality analysis of direct competitors, specialized literature and from the company's own corporate strategy. This selection was limited in a multi-stage process to 37 aspects in a focus group with employees from sustainability-related departments. The second step involved 40 representatives from all stakeholders evaluating the aspects in an online survey with respect to their relevance for the sustainable development of the company. In doing so, they not only estimated the importance of the individual aspects, but were also able to substantiate their evaluation.

The evaluation resulted in a total of 15 relevant sustainability aspects that were assessed as relevant by the survey participants. These are shown in the matrix in figure 6. The following aspects were evaluated to be particularly crucial to sustainable corporate development both by internal as well as external stakeholders: product quality and safety, patent protection, compliance with human rights, legal compliance and Sharing Expertise – the brand and performance promise of B. Braun.

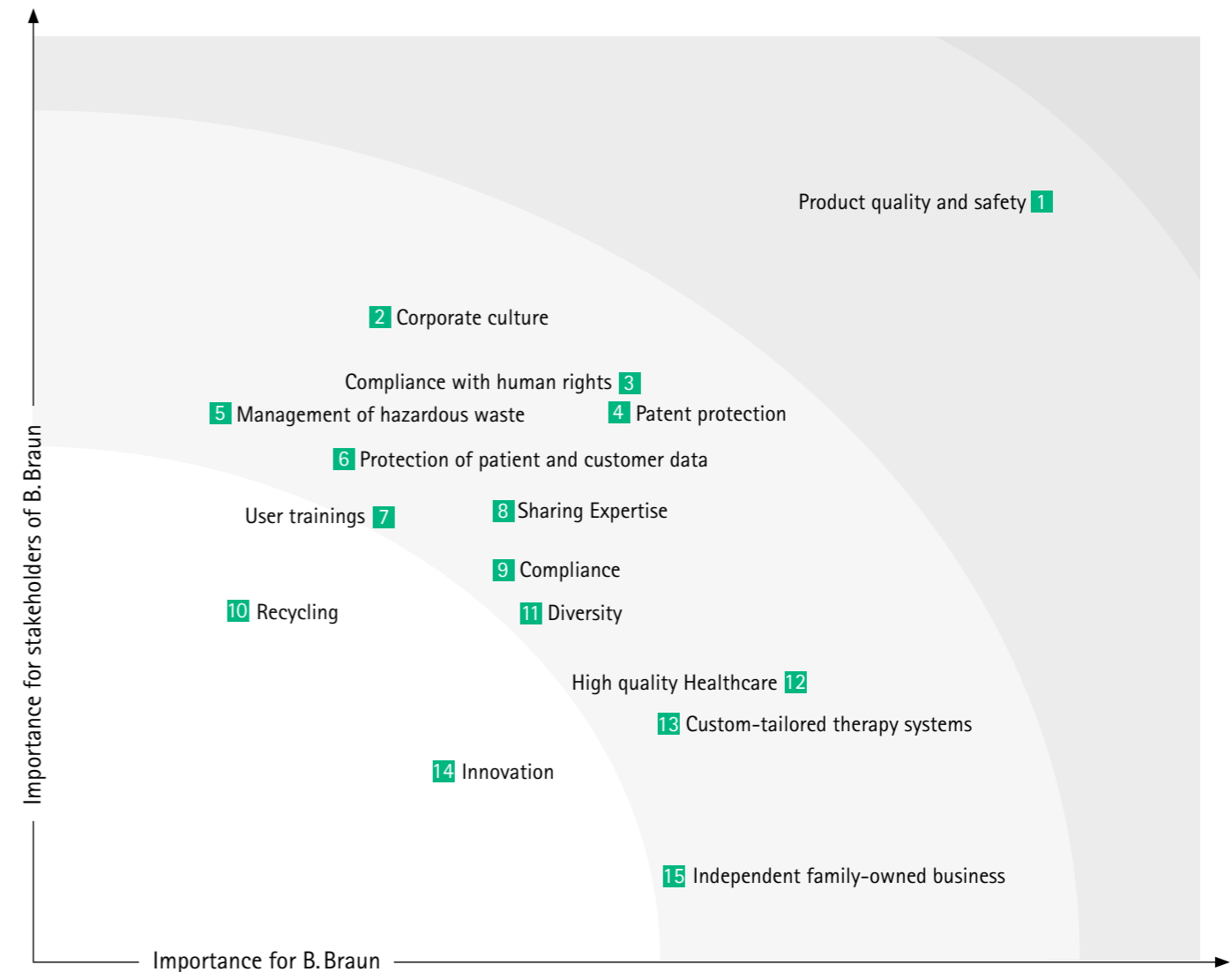
We have expanded the scope of the report on these topics where it was possible to do so based on the data and information available. The corresponding locations are marked with the addition "Aspect from the materiality analysis." We plan to repeat the materiality analysis at regular intervals, ensuring the informative value of the sustainability reporting.

**G4-19**

Figure 6  
Most relevant sustainability aspects according to materiality analysis

G4-27

- 1 | Product quality and safety**  
Safe, compatible and intuitively operable products in accordance with the daily needs of doctors, nurses and patients. Quality controls, unique identification, security during transport and storage and in IT systems.
- 2 | Corporate culture**  
The company and its employees as a community of values, based on the history as a family-owned business.
- 3 | Compliance with human rights**  
In all B. Braun companies worldwide.
- 4 | Patent protection**  
Protection of intellectual property for sustainable corporate growth and the pursuing of unsafe product counterfeiting in order to maintain the B. Braun promise of quality.
- 5 | Management of hazardous waste**  
Prevention or reutilization of hazardous and toxic substances, safe disposal of burdened residual materials.
- 6 | Protection of patient and customer data**  
Security in the digitalization and networking of medicine: capturing of data only when justified and with consent; storage and processing in secure systems.
- 7 | User trainings**  
Training for clients for secure applications and gentle therapies with B. Braun products and services.
- 8 | Sharing Expertise**  
Continuous, constructive dialog with purchase decision makers, doctors, nurses, patients and scientists.
- 9 | Compliance**  
Maintaining and monitoring of correct and reliable action and fair competition.
- 10 | Recycling**  
Prevention of waste, reuse and further utilization of raw materials and production waste.
- 11 | Diversity**  
Promotion of diversity at B. Braun and integration of all employees, opposing discrimination of all kinds.
- 12 | High quality healthcare**  
Support of safe, high quality and affordable healthcare in all countries of the world.
- 13 | Custom-tailored therapy systems**  
Providing products and services in accordance with individual requirements in individual therapy fields from a single source.
- 14 | Innovation**  
Research and development with high ethical standards for sustainable products, services and products.
- 15 | Independent family-owned business**  
Independent further development, investments from our own resources with a high ratio of equity capital.





## OUR RESPONSIBILITY TO CLIENTS AND PRODUCTS

### SAFETY MEANS PROTECTION FROM RISKS

Doctors, nursing staff, pharmacists and patients – they are all part of B. Braun's target groups and have different needs and requirements. A deep understanding of this fundamentally drives our actions and is reflected in our system solutions. B. Braun's products and services are thus the outcome of the expertise of the entire company.

Our portfolio for medical care is constantly growing. B. Braun makes a significant contribution toward protecting and improving people's health around the world. In doing so, safety is a priority. In addition to partnership, process optimization and progress, it characterizes successful collaboration with our clients. Safety has a variety of facets:

- **Product safety:** Consistent and intuitive product design and reliable functions support users in their daily work.
- **Patient safety:** B. Braun's products help to prevent risks and complications. Thereby increase opportunities for recovery and can shorten hospital stays.
- **User safety:** Products and services from B. Braun reduce risks and ensure the protection of users from injuries and contact with active substances or pathogens.
- **Process safety:** B. Braun products and services improve processes and routines by reducing and simplifying work steps in the application, thereby saving costs.

We consider the various facets of safety holistically and work on comprehensive solutions. This way, we improve processes and increase safety for users and patients. In the end, this also means financial added value for medical institutions.

Material aspect: Product quality and safety

Material aspect: Sharing Expertise

### Medical technology that touches the heart

Several years ago, Yasar Bolat had a heart attack. It was soon clear that he would need a bypass operation. During the consultation at the university hospital in Freiburg, Germany, the doctor asked about his employer and his work: Bolat had worked for a total of 37 years in clamp production at the B. Braun subsidiary Aesculap AG in Tuttlingen. Upon hearing that, the doctor left the room and returned with five cardiac clamps. "You mean like these?" he asked. With an expert's eye, Bolat considered the clamps, took one in his hand and replied, "I made these!" – "And they will be used to operate on you tomorrow," the doctor said.

The risks include microbial contamination, particle contamination, stab and cut injuries, DEHP exposure, medication incompatibilities, medication errors, air embolisms and chemical contamination.

G4-PR1

Through a holistic approach along the entire development process – from the initial idea to being used in the patient's home or as part of the daily hospital routine – we identify possible risks of therapies in dialog with medical specialists and patients. We evaluate them and develop prevention strategies in order to increase treatment quality and safety. With structured risk management, we reduce risks and improve safety in the healthcare field.

This is demonstrated in concrete terms by the example of infusion therapy in the hospital. Medical specialists and patients are subject to various risks, the effects of which can have wide-ranging consequences (figure 7).

There are also potential risks to the user and patient in the surgical area. B.Braun has developed advanced safety solutions here: Aesculap® Safety Scalpels which have a high cutting quality thanks to specially hardened steel and are equipped with a blade guard that offers the best possible protection against cutting injuries. The third generation of our 3D camera system for endoscopic laparoscopy, EinsteinVision®, uses a special camera algorithm that improves the operator's view during laparoscopic work, thereby increasing patient safety. With SteriSCAN, Aesculap provides on-site analysis of the sterile equipment cycle, on the basis of which action recommendations for safe processing of medical products are made.

Material aspects: High quality healthcare, product quality and safety

Figure 7

Protection from risks in infusion therapy

MEDICATION ERROR

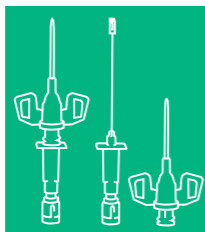
Medication errors in hospitals occur frequently on average, every patient is exposed to one medication error per day<sup>1</sup>



B.Braun produces infusion pumps which calculate the maximum dose and are supported by the alarm management software Space OneView. The software is computer-aided and offers a central overview of all B.Braun infusion pumps connected.

CUT AND STAB INJURIES

80.000 nurses come down with HBV, HCV and HIV in consequence of an injury<sup>3</sup>

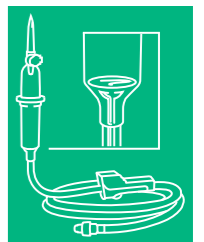


B.Braun is working against this threat by producing cannulas like Introcan Safety® and Venofix Safety® that both possess an integrated security mechanism which releases itself.

AIR EMBOLISM

2 to 3 ml air supply into the blood circulation can end deadly<sup>2</sup>

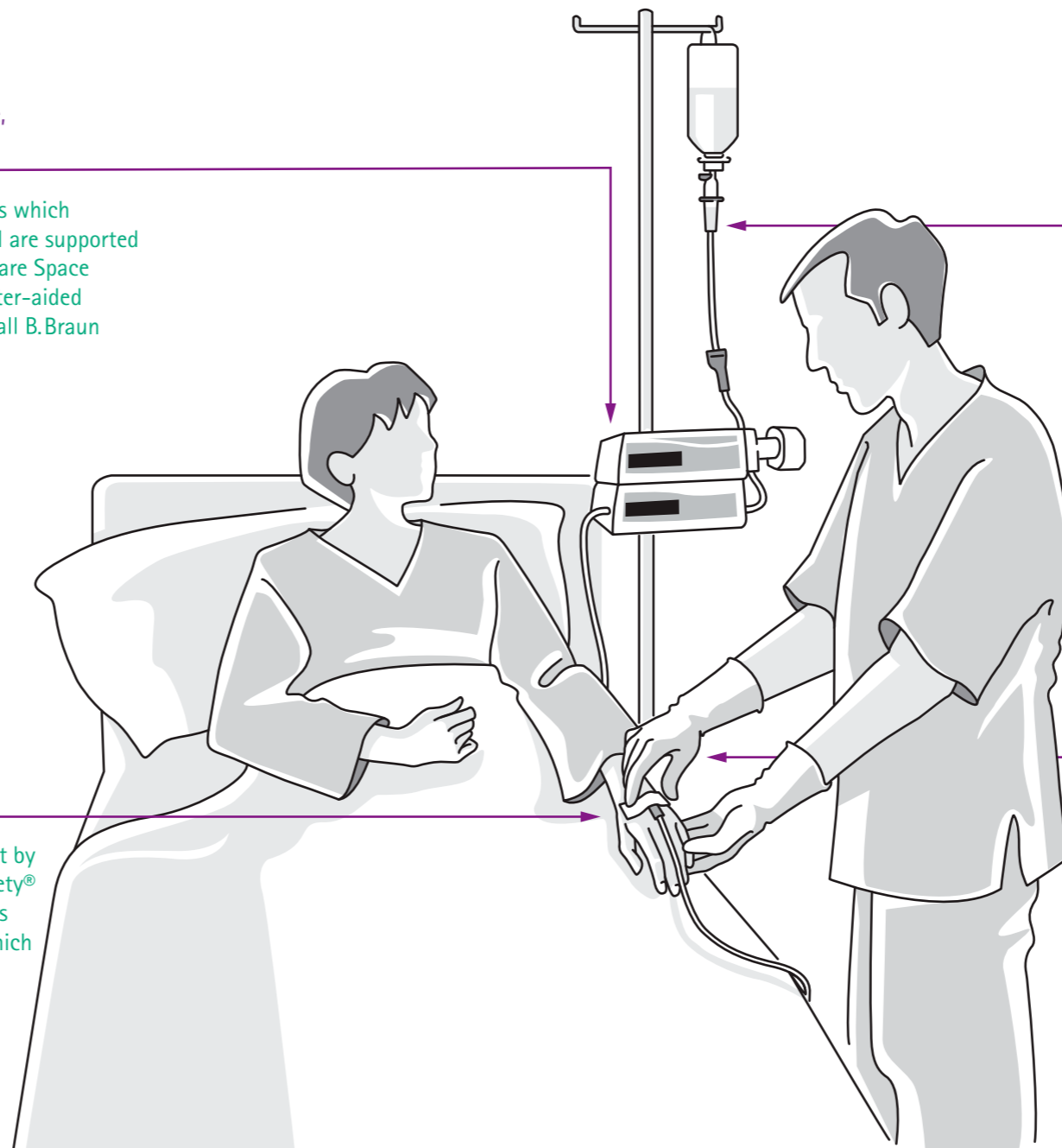
With the AirStop membrane B.Braun prevents the intrusion of air into the blood circulation in different infusion systems. An alarm function in case of air supply offers additional safety.



MICROBIAL INFECTION

16 million people die from health-care-associated infections per year<sup>4</sup>

B.Braun produces preventive products for hand hygiene, which together with other measures help to reduce infections.



<sup>1</sup> Wu, A. W., Pronovost, P., Morlock, L. (2006): ICU incident reporting systems. J Crit Care, 17(2), 86-94.  
<sup>2</sup> Cowley, E. (2000): Assessing and preventing medication errors in home care. Home Health Care Consultant, 7(3), 33-40.  
<sup>3</sup> Ho, Anthony M.-H. (1999): Is emergency thoracotomy always the most appropriate immediate intervention for systemic air embolism after lung trauma? CHEST, 116(1), 234-237.  
<sup>4</sup> Prüss-Ustün, A., Rapiti, E., Hutin, Y. (2005): Estimation of the global burden of disease attributable to contaminated sharps injuries among health-care workers. Am J Ind Med, 48(6), 482-90.  
<sup>4</sup> TEDx Talks (3.3.2016): Adapt to adopt. TEDxPlaceDesNations. Retrieved on 1.7.2018 from https://www.youtube.com/watch?v=5tgH0uTqqcE.



## 3 | Digitalization in the hospital

## SMARTER SYSTEMS

The daily hospital routine of the future is digital. This is already demonstrated today by the B. Braun system solutions PN 360 for parenteral nutrition and AutoCOMPLETE in infusion therapy. As holistic concepts with hardware and software, they ensure security and efficiency for a simple workflow. PN 360 enables the precise dosage of macro and micro quantities with an automatic assembly of components in accordance with the patient and symptoms. AutoCOMPLETE supports nursing staff in selecting the type and quantity of infusion, and in the further course of the application. This occurs, for example, through documentation and analysis of the medication data and an alert function for mobile devices. Both systems are supplemented by a bar code



scanning function, with which the patient, medication or nutrition solution and the corresponding pump can be identified. The digital solution opens up possibilities for simplifying processes in the hospital so that nursing staff only have to verify the necessary information and can control multiple work steps centrally by using the system.

Material aspect:  
Custom-tailored  
therapy systems

The goal of nutrition therapy is to maintain or improve the nutritional state of the patient and to prevent malnutrition and nutrient deficits. Our software tool, EasyComp, particularly supports hospital pharmacists in compiling individual nutrition components at the correct ratios. Digital systems also support safety in other processes of nutrition therapy (example box 3).

Material aspect:  
Product quality and safety

Patient safety plays a significant role in the area of dialysis treatments which usually occur multiple times during the week, for several hours. That's why the strictest regulations are applied in our renal care centers, covering both hygiene and quality assurance. With an online-based, centrally networked reporting system, we document every side effect and each medically relevant occurrence, which are then evaluated by a team of experts.

In the past years, we have developed trainings on risk prevention, continuing informational material and digital communications platforms. Our online platform on the topic of safety is directed toward specialists in patient care and provides an overview of typical risks of infusion therapy, among other things. Our analyses of client satisfaction also contain questions regarding safety-related topics such as the handling of B. Braun products. The results provide us with impulses for the continued development of our products and services.

Material aspect:  
User trainings

[www.bbraunforsafety.com](http://www.bbraunforsafety.com)

G4-PR5

## 4 | Training program in Vietnam

## KNOW-HOW PROTECTS AGAINST NEEDLESTICK INJURIES

Reducing potential risks is an important part of developing new solutions. Needlestick injuries are still among the greatest health risks for patients and medical personnel worldwide. For example, there is a six to 30 percent risk of becoming infected with the Hepatitis-B virus in the case of a needlestick injury and a three to ten percent risk for a Hepatitis-C infection. In many countries, such as Vietnam, standards for safe infusion therapy are insufficient or have not yet been established.

In the summer of 2014 B. Braun Vietnam began a three year training program in intravenous therapy. Its partners are the German Society

for International Collaboration (GIZ) under the authority of the Federal Ministry for Economic Cooperation and Development (BMZ) as well as the Administration of Medical Services (AMS), an authority of the Vietnamese Ministry of Health. The goal of this Public Private Partnership (PPP) Program is to prevent needlestick injuries and to ensure fast-paced recovery in patients. Via the Aesculap Academy it's planned to have finished 51 courses in which 2,250 nurses will be comprehensively trained. The training is an important component of the B. Braun strategy of protecting the health of medical specialists and patients.



G4-16 With the "B. Braun for Safety" project, which was launched in 2013, we have intensified our partnerships with a variety of organizations and associations. That includes cooperation with the "European Association of Hospital Managers," the umbrella organization for hospital managers in Europe. Through joint projects, we increase awareness of risks and contribute to safe and high quality patient care over the long-term. In connection with the Private Organization for Patient Safety (POPS) of the World Health Organization (WHO), we advocate for improvements to hand hygiene. As a result, we can reduce therapy-related infections and increase awareness of the importance of hand hygiene around the world. In addition, we have successfully cooperated for many years with the GIZ and the health ministries of various nations in order to reduce risks (example box 4).

Table 3  
Award-winning  
product design

Year	Product	Category	Award
2015	ERGOPERIO	Dental instrument line for periodontics	Industry Forum Design Award
2015	Venofix® Safety	Venipuncture instruments with safety mechanism	German Design Award
2016	Cyto-Set®	Closed infusion system for needleless preparation and application of cytostatic drugs	German Design Award
2016	ELAN 4	Motor systems for neurosurgery and spinal column surgery	Industry Forum Design Award
2016	Introcan Safety® 3	Safety winged infusion set	German Design Award
2016	Omnitest® 5	Blood sugar meter	Good Design Award
2017	3D EinsteinVision®3.0 and 2D SmartVue® camera heads	Camera heads for endoscopic laparoscopy	Red Dot Award
2017	Cyto-Set®	Closed infusion system for needleless preparation and application of cytostatic drugs	Industry Forum Design Award
2017	Introcan Safety® 3	Safety winged infusion set	Industry Forum Design Award
2017	Venofix® Safety	Venipuncture instruments with safety mechanism	Industry Forum Design Award

B. Braun is actively working in the industry associations BVMed (Bundesverband Medizintechnologie e.V.) and MedTech Europe on new medical standards and rules, including on the topic of safety. B. Braun board member Dr. Meinrad Luga is Chairman of the BVMed Management Board and works as a member of the MedTech Europe Executive Committee.

[www.bvmed.de](http://www.bvmed.de)  
[www.medtecheurope.org](http://www.medtecheurope.org)

#### AWARD-WINNING PRODUCT DESIGN

As part of our client and product responsibility, we continually improve the design of our products and packaging: easily visible color codes harmonize and symbolize the size of the product or indicate the material it is made of. Special labels with clear, differentiating colors and shapes facilitate the dosage of medications and provide for more noticeability, which is particularly important when it comes to critical substances. Multiple awards in the field of product design confirm our work.

Year	Product	Category
2015	Cyto-Set®	Closed infusion system for needleless preparation and application of cytostatic drugs
2016	Diveen®	Medical product for improved continence control in women
2017	3D EinsteinVision®3.0	Camera heads for endoscopic laparoscopy with three-dimensional depth perception

Table 4

Winner of the internal B. Braun  
Innovation Award

In 2015, 2016 and 2017, we won renowned Design Awards with our products: the Industry Forum Design Award, the German Design Award, the Red Dot Award and the Good Design Award (table 3). Internally, B. Braun recognizes exceptional ideas which facilitate the handling of products and enable safe and efficient therapy with the annual Innovation Award for "Best Product Design" (table 4).

Material aspect:  
Innovation

#### QUALITY WITHOUT COMPROMISES

Quality management is a multi-stage process which follows international material and product standards at B. Braun – from development to production to application of our medications and medical products. In addition, there are standards for quality systems, environmental protection and occupational safety, which are monitored at B. Braun in an integrated management system. New or modified legal requirements and standards are implemented as part of department-wide projects and are integrated into the system.

**G4-PR2** B.Braun ensures that national and international requirements for the quality of products and services are upheld in the healthcare field. With our web-based quality management system, we ensure that all locations in the production network operate according to the same principles and meet the regulatory requirements of the target markets (example box 5).

5 | New plant for injection solutions in Indonesia  
**RULES FOR SAFETY AND QUALITY**

We use "Good Manufacturing Practice" (GMP) guidelines when constructing and operating new plants in order to create safe products and reliable quality for our clients worldwide. This policy includes standards for drug manufacturing facilities. The European Commission and the Food and Drug Administration (FDA) in the US are collaborating on drawing up this policy and its constantly being revised. The GMP's quality criteria include specifications for premises, production processes and contents, hygiene and controls, storage and transport as well as employee qualifications.

B.Braun built a new large-volume injection plant for the Indonesian market in Karawang, West Java. Since 2017, up to 200 employees have been working at this new location, which is operated according to GMP standards, and was approved by Indonesian Food and Drug Administration in January, 2018. A GMP-compliant quality management system monitors compliance with all requirements. In addition to the GMP guidelines, B.Braun fulfills extensive requirements for environmental protection, accessibility, fire protection, energy efficiency and recycling.



Country of production	Selected national rules that will be bundled in the MDSAP in the future			
	Japan	Brazil	Canada	USA
Germany	■	■	■	■
Malaysia	■	■	■	■
USA				■
Hungary	■	■	■	■
France		■	■	■
Brazil		■		
Vietnam	■		■	
Switzerland	■	■	■	■

Table 5:  
 Country-specific certifications in quality management

On the basis of national guidelines for quality assurance, regulatory authorities created the "Medical Device Single Audit Program" (MDSAP), which pursues a globally uniform certification of quality management in medical technology. Table 5 provides an overview of important national guidelines in Japan, Brazil, USA and Canada and which B.Braun companies meet them as exporters of medical products. B.Braun already extensively meets the future requirements of the MDSAP today. We also meet the criteria of ISO 9001 and ISO 13485, which describe a quality management system for development, manufacturing and sales of medical products (table 6).

The new European Medical Device Regulation went into force in May 2017 and replaces the previous guidelines for medical products. The new regulations have an effect on numerous corporate departments: for example, the scope of validation and qualification processes grows, the technical documentation becomes more complex, and the requirements for market monitoring increase. At B.Braun, the regulation will be implemented by May 2020.

Despite high quality standards and prevention measures, a product can be faulty or be used incorrectly. We respond to complaints appropriately and quickly and are also a reliable partner in case of complaint. Complaints are received by our local sales organizations and coordinated centrally at the B.Braun headquarters in Melsungen. From Melsungen, trials are arranged at the affected production locations, then our experts develop viable solutions on site.

[www.fda.gov/MedicalDevices/InternationalPrograms/MDSAP-Pilot/default.htm](http://www.fda.gov/MedicalDevices/InternationalPrograms/MDSAP-Pilot/default.htm)

[www.iso.org/iso-9001-quality-management.html](http://www.iso.org/iso-9001-quality-management.html)

[www.iso.org/iso-13485-medical-devices.html](http://www.iso.org/iso-13485-medical-devices.html)

G4-PR6



Material aspect:  
Protection of patient and  
client data

#### DATA PRIVACY PROTECTS PEOPLE

Our Data Privacy staff department ensures compliance with legal regulations and internal guidelines; it is supported by Data Privacy Coordinators in all corporate departments. The department organizes routine employee training sessions, provides advice in connection with the drafting of contracts or marketing activities and offers extensive information on data protection. Communication regarding current developments in the field of data privacy occurs at regular events. There are about 30 contact partners across Europe who represent the topic of data privacy in their nations and are in constant communication with the Data Privacy staff department, so that communication across national borders is ensured.

Table 6:

ISO certifications in  
quality management

Country	ISO 13485	ISO 9001
Germany	■	■
Malaysia	■	
USA	■	
Spain		■
Russia		■
India	■	■
Hungary	■	
France	■	■
Brazil	■	■
Vietnam	■	■
Switzerland	■	■

The requirements of the General Data Protection Regulation (GDPR), which came into effect in May 2018, unify the rules for processing personal information. Companies may only process personal information if the requirements of the GDPR are met. If processing is based on the consent of the affected person, for example, it must additionally be ensured that the responsible party is always able to verify the consent of the affected parties. With the new Data Protection Regulation, employees, partners, clients and third parties always have the right to view, modify and delete their saved information ("right to be forgotten"). The contents and

the process of data processing should be made accessible to the affected parties in a transparent manner. In case of violations, the burden of proof is reversed; companies must verify in the future that they have implemented all specifications.

B. Braun has worked continuously for more than ten years developing the data privacy organization. This includes the introduction of global data privacy management software for documenting all legally required and data privacy-related processes, as well as standardized documents. Clear and comprehensible training, e-learning modules, articles on the Internet and informative brochures on the GDPR support our employees with relevant information that makes the complex subject matter accessible.

#### SECURITY IN THE DIGITAL REALITY

Digitalization and networking are advancing into more and more fields: Every third person has one or more smartphones with which they regularly access social networks, cloud services, etc., leaving behind a digital footprint. Experts expect that at least 50 billion devices will be connected to the Internet in 2020: refrigerators, air conditioners, heating systems, cars, fitness armbands – even infusion pumps and automated production plants. The increased networking results in potential risks to individuals, but also to hospitals and production facilities of industrial companies.

Legislators are responding to these developments with new legal regulations. These particularly include the German IT Security Act, which obligates operators of critical infrastructures such as electricity, water utilities and food producers to implement appropriate security measures. As a manufacturer of medical devices and medications, B. Braun's departments fall within this classification and must demonstrate appropriate security measures by 2019.

We created the role of Chief Information Security Office (CISO) at B. Braun in 2018. The CISO has the responsibility of coordinating all activities and measures for information security. This includes establishing an Information Security Management System (ISMS) in accordance with the international standard ISO/IEC 27001. This will determine the protection needs of information and information-processing institutions, systematically determine the risks they are subjected to and select, implement and maintain appropriate safety measures. The system will extend across the entire B. Braun Group and comprise all relevant aspects of information security, such as IT emergency planning, cybersecurity or employee training.

Material aspect:  
Protection of patient and client  
data

<https://www.iso.org/isoiec-27001-information-security.html>



# OUR RESPONSIBILITY TO THE ENVIRONMENT

## ENVIRONMENTAL MANAGEMENT AND SUSTAINABLE BUILDINGS

Our environment faces growing challenges: climate change, resource scarcity and an increasing global population. As a globally operating company, B. Braun has the responsibility to utilize resources in a sustainable and responsible manner. This includes the use of alternative and renewable energies as well as the construction and maintenance of environmentally friendly buildings.

Everything we do when it comes to the environment always starts with statutory regulations. When considering future generations, it goes without saying that we must do considerably more and continually re-evaluate our contributions. We use modern building technologies and utilize daylight in our industrial facilities for natural, energy-efficient illumination of workstations. With our own initiatives and voluntary certifications, as well as sustainable construction methods, we accept additional responsibility for the environment (example box 6).

In 2016, the Management Board and the European Workers' Council of the B. Braun Group agreed upon common rules for environmental protection. All European subsidiaries of the B. Braun Group are committed to unified standards which exceed the statutory regulations in the respective countries. In this way, we achieve comparable systems for operational environmental protection across Europe.

The binding certifications for all European B. Braun subsidiaries include ISO 14001 Environmental Management and ISO 50001 Energy Management. Even outside of Europe, numerous countries have already certified some of their locations according to these and other environmental and energy management systems (table 7). Additional locations are to follow in the coming years. In addition, the European agreement defines standards for all future construction and renovation. This will utilize resources conservatively and establish energy efficient technology.

Material aspect:  
Corporate culture

[www.iso.org/iso-14001-environmental-management.html](http://www.iso.org/iso-14001-environmental-management.html)

[www.iso.org/iso-50001-energy-management.html](http://www.iso.org/iso-50001-energy-management.html)

### Protective trees

The region around Tongliao, Mongolia, has been over-farmed and as a result is plagued by frequent sandstorms. Settlements have been destroyed, which is why their inhabitants move to the surrounding cities. B. Braun Avitum China is supporting the non-governmental organization Shanghai Roots & Shoots "One Million Trees" project, which has already planted over one million trees with the help of companies and associations. B. Braun has sponsored the planting of 31,500 trees. The trees should stop erosion and make farming possible again. Local farmers support the project by taking care of the trees and planting their own seeds in the fields for additional nutrients during the development phase.

6 | Energy-efficient buildings in Brazil, Germany & Spain

MORE SPACE FOR SUSTAINABILITY



A state-of-the-art B.Braun logistics center opened in 2015 in the Guaxindiba district in São Gonçalo, Rio de Janeiro. It is one of the largest distribution centers for pharmaceutical products in Brazil and has been awarded the LEED Gold Standard Certificate (Leadership in Energy and Environmental Design) – an international quality label for sustainable construction recognized in 143 countries. In 2016, the project also received the FIRJAN Environmental Action Award in the "Greenhouse Effects and Energy Efficiency Management" category. The building's special architecture uses sunlight efficiently and allows it to be ventilated naturally. Energy consumption in the logistics center was thereby reduced 40 percent, outside by 35 percent.

In 2016, B.Braun also commissioned a new high bay warehouse module for the goods distribution center in the PfiEFFwiesen plant at its main location in Melsungen. The expansion made space for around 70,000 pallets in the

overall plant, which are automatically stored and retrieved. B.Braun consistently pursued the goal of sustainability when designing the building. The facade of the building was designed with panels of recyclable aluminum. A new, complex ventilation system allows for passive cooling without air conditioning. Between 2011 and 2016, the B.Braun production facility in Rubí, Spain, was improved expanding the size of the Lean Infusion Factory Technology Plant (LIFT), which automatically manufactures infusion solutions. A large triple-glazed facade allows natural solar light to be used for most of the day while avoiding energy losses by isolating the offices from the outside. Similarly, the temperature and ventilation are automatically controlled and the air conditioner uses a centralized control to manage its operation energetically at each moment according to the needs. Solar panels on the building's roof provide enough electricity for the offices.

Country	ISO 50001	ISO 14001
Germany	■	■
Malaysia		■
Spain	■	■
Russia		■
Hungary	■	□
France		■
Vietnam		■
Great Britain		■
Switzerland	■	■

Table 7  
Certifications in environmental and quality management

■ available  
□ planned

Examples from Germany and Spain show how important it is to regularly inspect conduits and grids, as well as heating and cooling technology. In 2015 and 2016, we were able to reduce energy-intensive leaks in compressed air lines in Melsungen, saving more than 25,000 kilowatt-hours of electricity per year. In 2016, we reduced the energy we consume through heating and cooling processes in the Spanish plant Jaén by modernizing the technical facilities.

PRODUCTION, PROCUREMENT AND LOGISTICS

Production managers and environmental protection specialists work together to develop targets that continually improve our resource efficiency and our raw material cycles. Through the systematic monitoring of energy flows, we achieve savings and reduce environmental impacts.

Environmental aspects already play an important role during development, particularly when it comes to the manufacturing of single-use products. At the first step many products for infusion therapy and stoma care were therefore subjected to a life cycle analysis. Based on multiple criteria, we examined the effects a product has on the environment, from production to disposal. The climate footprint, the consumption of fossil fuels and the pollution load were also analyzed. This reflects which hazardous substances are released over the life cycle. The potential improvements flow into the further development of our products.

Wherever possible, we source goods from the respective region in order to process them further directly on site, and rely on a predominantly locally organized supply chain. Our target is to strengthen the economic areas in which we operate. This allows us to shorten transport routes, save costs, protect the environment and strengthen the regional economy. Water, plastic granulates, minerals, nutrients and metals are the most important primary raw materials for the manufacturing of our products. Our production volume has risen continuously over recent years. Raw material

G4-16

As part of the "Chemie3" initiative, we are engaging with partners from the chemicals industry to link economic success with social justice and ecological compatibility. The initiative is supported by the Verband der Chemischen Industrie (Association for the Chemical Industry - VCI), the Industriegewerkschaft Bergbau, Chemie, Energie (Industrial Union for Mining, Chemicals and Energy - IG BCE) and the Bundesarbeitsgeberverband Chemie (Federal Employer's Association for the Chemicals Industry - BAVC).



Table 8

Purchased volume of raw materials (in tons)

Raw materials	2015	2016	2017	Δ 2015–2017
Plastic granulates (PS, SB, ABS, PE, PP, PVC)	62,848	65,411	68,863	+9.6%
Minerals and nutrients (Salts, amino acids, proteins, carbohydrate compounds)	39,100	45,068	48,627	+24.4%
Metals	3,791	4,134	4,127	+8.9%

consumption has increased accordingly. In 2017, approximately 9.6 percent more plastic granulate was processed in the core reporting countries than in 2015, 24.4 percent more minerals and nutrients and 8.9 percent more metals (table 8). We make it our responsibility to repeatedly examine our production processes with respect to efficiency and sustainability and to modify them in order to keep the increase in necessary raw materials as low as possible in the case of further growth.

G4-EN1

G4-EN2

Material aspect:  
Recycling

As a manufacturer of medical and pharmaceutical products, we are subject to strict regulations, which does not permit the use of secondary raw materials thus consequently reducing the amount of recyclable waste materials. We use environmentally friendly materials whenever possible in our packaging. For example, B. Braun uses cardboard that consists of up to 85 percent recycled paper. Its use has increased accordingly by 12.4 percent from 2015 to 2017.

Table 9

Purchased volume of packaging material

Packaging	2015	2016	2017	Δ 2015–2017
Corrugated paper board (in mil. units)	117	124	131	+12.4%
Film (in mil. linear meters)	220	222	193	-12.1%
Paper (in mil. linear meters)	91	93	87	-4.4%

Country	2017	Country	2017
Germany	77.1	Hungary	53.5
Malaysia	62.0	France	80.7
USA	93.0	Brazil	77.7
Poland	56.6	Vietnam	53.0
Spain	76.2	Great Britain	96.8
Russia	87.0	Switzerland	52.0
India	71.9	Indonesia	98.5
China	87.8	Japan	93.6

Table 10

Ratio of national purchasing volume spent in the respective country (in percent)

This allowed us to reduce consumption of packaging film by 12.1 percent and packaging material paper by 4.4 percent in the core reporting countries (table 9). Independent processing and reuse of cardboard and the related reduction of packaging waste protects natural resources and saves on replacement expenses and disposal costs for B. Braun.

When selecting our suppliers, we ensure that they fulfill general standards for sustainability and quality, are open to innovation and guarantee reliable delivery. The B. Braun national subsidiaries with the highest purchasing volume spend a majority of that volume in the respective country of production (table 10). The national purchasing volume varies between 52 and 98.5 percent, which is influenced by the size, location and accessible raw materials of the countries. In China, Great Britain, Indonesia, Japan, Russia and the USA, we achieved a rate of more than 85 percent.

Environmentally friendly operation in B. Braun's distribution logistics is characterized by three standards: optimal design of transport routes with maximized cargo space utilization via energy efficient means of transport. In order to prevent environmentally unfriendly empty runs, return transports are increasingly being linked with a portion of our procurement transports. The calculated number of ton kilometers increased slightly between 2015 and 2017 (table 11). This is explained by the increased global demand for our products.

Sustainability aspects are a decisive part of the requirements profile when selecting our logistics service providers. For example, all logistic providers used in Germany use vehicles meeting the EURO 5 exhaust standard or higher, and declare their willingness to act in an environmentally friendly way along the transport chain. Our logistics partners must be aware of their carbon dioxide emissions, use modern drive technologies and maintain environmental management systems.

G4-EN32

G4-EC9

G4-EN30

Table 11

Ton kilometers  
(in mil.)

2015	2016	2017	Δ 2015–2017
1,118	1,108	1,152	+3%

**ENERGY AND EMISSIONS**

G4-EN3

B. Braun's overall energy consumption rose by approximately nine percent in the core reporting countries from 2015 to 2017; in the same period, sales from productions in these countries rose by approximately twelve percent, adjusted for currency. Through efficient energy management, we were able to grow without our energy consumption increasing to the same degree.

The ratio of renewable energies rose by two percent during the reporting period. We consider renewable energy to include biomass, solar, hydro and wind power. While the increase in non-renewable energies equaled six percent, we were able to increase the use of renewable energy by 23 percent (table 12).

Table 12

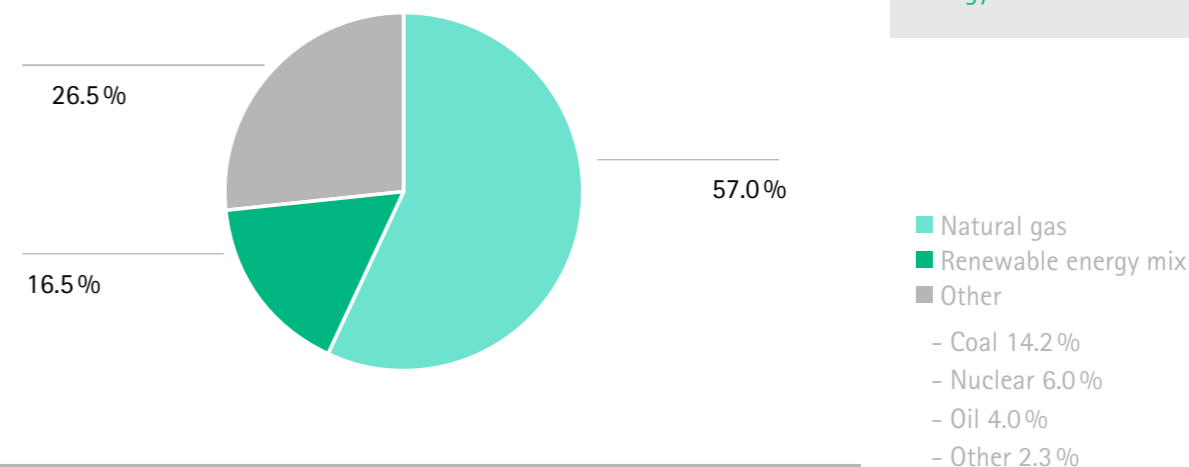
Total energy consumption  
by form of energy  
(in gigawatt hours)

Form of energy	2015	2016	2017	Δ 2015–2017
<b>Renewable energy mix</b>	<b>175</b>	<b>215</b>	<b>216</b>	<b>+23%</b>
<b>Non-renewable energies</b>	<b>1,028</b>	<b>1,063</b>	<b>1,093</b>	<b>+6%</b>
Natural gas	714	734	747	
Coal	180	182	186	
Nuclear	73	76	79	
Oil	37	40	53	
Other	23	31	30	
<b>Total energy consumption</b>	<b>1,202</b>	<b>1,278</b>	<b>1,309</b>	<b>+9%</b>

When it comes to non-renewable energy, we use the most climate-neutral resources possible. Therefore, we primarily use natural gas for power generation (figure 8).

Figure 8

Energy ratios 2017



In 2017, we covered more than 20 percent of our energy demands from our locations in France and Vietnam with renewable energy sources; in Germany, the ratio was 33 percent (table 13). In addition, B. Braun has increasingly relied on the operation of wood-fired power plants in recent years, which are operated with biomass from the region. In addition to climate-neutral green electricity, which can cover the energy demands of 10,000 households, district heat and steam are additionally generated for the B. Braun production.

B. Braun's carbon dioxide emissions have risen by approximately seven percent in the core reporting countries between 2015 and 2017 (table 14). Through the increased use of climate-neutral energies, our emissions values rose less than our overall energy demand. With the establishment of our reporting system, we can consistently document emissions values, which allows us to recognize savings potential at an early stage.

Thanks to improvements to our web conference technology, we have been able to reduce business travel thereby saving time, costs and emissions. When travel occurred in recent years, we increasingly relied on more environmentally friendly means of transport, such as rail, instead of air travel.

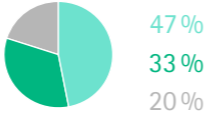
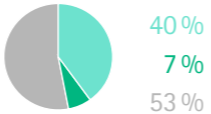
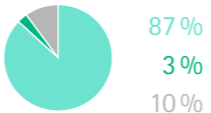
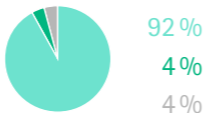
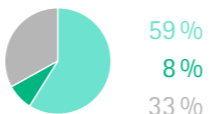
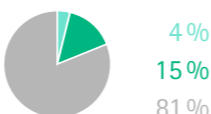
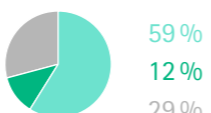
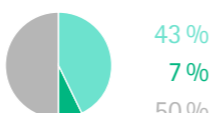
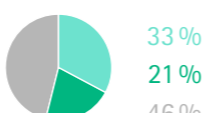
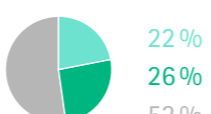
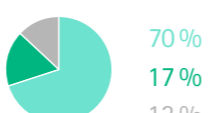
G4-EN16

Table 13

Demand for natural gas and renewable energy per country (in gigawatt hours)<sup>1</sup>

■ Natural gas ■ Renewable energy mix ■ Other<sup>2</sup>

<sup>1</sup> Conversion factors: Bayerisches Landesamt für Umwelt (LfU)  
<sup>2</sup> Other= oil, coal, nuclear energy, other

		2015	2016	2017	Energy allocation of the country
Germany	Natural gas	235.4	223.7	225.7	
	Renewable energy mix	123.0	161.5	161.5	
	<b>Total consumption</b>	<b>454.1</b>	<b>472.7</b>	<b>483.8</b>	
Malaysia	Natural gas	60.0	60.0	74.8	
	Renewable energy mix	10.0	12.3	12.5	
	<b>Total consumption</b>	<b>138.0</b>	<b>175.1</b>	<b>186.8</b>	
USA	Natural gas	299.2	309.4	298.2	
	Renewable energy mix	15.1	13.6	10.3	
	<b>Total consumption</b>	<b>364.7</b>	<b>364.3</b>	<b>341.4</b>	
Poland	Natural gas	19.4	20.5	23.0	
	Renewable energy mix	1.3	1.3	1.0	
	<b>Total consumption</b>	<b>23.1</b>	<b>24.7</b>	<b>25.1</b>	
Spain	Natural gas	62.1	76.8	78.5	
	Renewable energy mix	9.7	9.5	10.1	
	<b>Total consumption</b>	<b>110.5</b>	<b>127.1</b>	<b>132.0</b>	
India	Natural gas	0.6	0.6	0.8	
	Renewable energy mix	2.4	2.4	3.4	
	<b>Total consumption</b>	<b>16.0</b>	<b>16.1</b>	<b>22.7</b>	
China	Natural gas	12.8	16.7	18.5	
	Renewable energy mix	2.8	3.8	3.6	
	<b>Total consumption</b>	<b>22.6</b>	<b>30.2</b>	<b>31.4</b>	
Hungary	Natural gas	7.8	8.1	9.0	
	Renewable energy mix	1.4	1.5	1.5	
	<b>Total consumption</b>	<b>19.0</b>	<b>20.5</b>	<b>21.1</b>	
France	Natural gas	10.1	10.7	10.6	
	Renewable energy mix	5.3	6.4	6.9	
	<b>Total consumption</b>	<b>30.7</b>	<b>31.9</b>	<b>32.5</b>	
Vietnam	Natural gas	4.7	4.9	5.3	
	Renewable energy mix	5.9	5.8	6.3	
	<b>Total consumption</b>	<b>22.7</b>	<b>21.8</b>	<b>24.0</b>	
Great Britain	Natural gas	2.0	2.2	2.1	
	Renewable energy mix	0.6	0.6	0.5	
	<b>Total consumption</b>	<b>3.0</b>	<b>3.2</b>	<b>3.0</b>	

Emissions producing locations	2015	2016	2017	Δ 2015–2017
CO <sub>2</sub> emissions	542	561	581	+7%

<sup>1</sup> Conversion factors: Bayerisches Landesamt für Umwelt (LfU). Values include direct and indirect CO<sub>2</sub> emissions (direct emissions = created directly at the site of energy conversion; indirect emissions = created by the production of the fuel)

**WATER MANAGEMENT**

Water is one of the most important resources for our products and their production. B. Braun's water consumption increased by 24.9 percent in the reporting period (table 15). There was a strong increase in water consumption in India and China due to the expansion of productions for infusion solutions and nutrition solutions. Due to fluctuations in production volume, water intake varies in our core reporting countries from year to year.

Country	2015	2016	2017	Δ 2015–2017
Germany	1,083.4	1,178.7	1,247.8	
Malaysia	996.8	972.0	1,132.9	
USA	1,427.7	1,569.7	1,557.1	
Poland	43.7	46.2	54.1	
Spain	450.4	486.0	493.5	
India	118.6	139.9	683.1	
China	118.7	142.5	191.8	
Hungary	111.5	110.1	107.4	
France	33.2	33.7	32.5	
Vietnam	130.6	128.1	136.3	
Great Britain	2.7	2.8	3.9	
<b>Total</b>	<b>4,517</b>	<b>4,810</b>	<b>5,640</b>	<b>+24.9%</b>

For the most part, we obtain this water from public companies and private supplies. At individual locations, B. Braun operates its own deep wells and uses precipitation water to a lesser extent. We continually analyze our water consumption data. Data from the Water Risk Filter of the WWF and the Water Risk Atlas of the World Resources Institute shows the regions where there is a water shortage and is incorporated into the evaluation.

Table 14

Carbon dioxide emissions (in kilo tons)<sup>1</sup>

G4-EN8

Table 15

Water consumption (in thousands of cubic meters)<sup>1</sup>

<sup>1</sup> Water consumption was determined with water meters, water utility measurements and calculations.



Using our newly launched reporting system, we can identify the locations at which we must pay particular attention to our water intake.

In 2017, B. Braun returned approximately 60 percent of its water intake to the respective water systems in the core reporting countries (detailed waste water data table 16). In production, water is drawn directly into our products, such as in the case of infusion and nutrition solutions. In addition, large volumes evaporate through the cooling of production lines.

Waste water disposal is an important part of our production cycle. B. Braun prevents groundwater contamination and responsibly handles the raw material of water, as a waste water disposal example in Germany shows (example box 7).

Table 16

Waste water  
(in thousands of cubic meters)<sup>1</sup>

Country	2015	2016	2017	Δ 2015-2017
Germany	752.8	804.7	873.0	
Malaysia <sup>2</sup>	618.0	612.4	747.7	
USA	1,054.8	1,108.6	966.9	
Poland	42.3	41.1	49.5	
Spain	287.0	341.6	372.1	
India	18.2	18.8	38.1	
China	9.5	11.4	45.0	
Hungary	111.5	110.1	107.4	
France	15.6	17.8	18.2	
Vietnam	104.5	102.4	109.1	
Great Britain	1.7	2.1	3.7	
<b>Total</b>	<b>3,016</b>	<b>3,171</b>	<b>3,331</b>	<b>+10.4%</b>

<sup>1</sup> Water consumption was determined with water meters, water utility invoices and calculations.

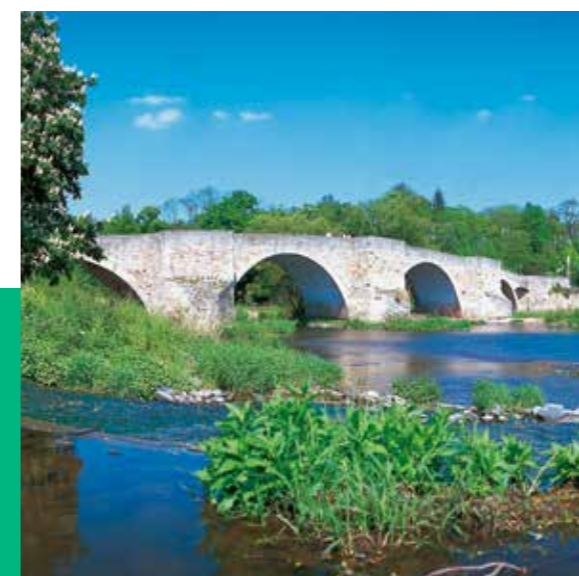
<sup>2</sup> estimated value: waste water data calculated based on comparable B. Braun productions.

**WASTE MANAGEMENT**

G4-EN23

Within the B. Braun added value cycle, twelve percent more waste was created in our plants in the core reporting countries in 2017 than in 2015. This increase is comparable to that of production sales, which was also approximately 12 percent: more waste was created in the commissioning of new productions in the reporting period than we expected during the ongoing operation.

Waste is differentiated into hazardous (that is, environmentally and health hazardous) and non-hazardous substances. In 2017, the ratio of hazardous waste at B. Braun equaled 18 percent; the non-hazardous waste equaled 82 percent (table 17).



7 | Disposal of infusion containers and infusion solutions

**THE RIGHT COLOR FOR A CLEAN ENVIRONMENT**

Clean water is a crucial raw material for production at B. Braun. Accordingly, we make protecting groundwater a particularly high priority. Liquid medications and medical devices with organic compounds are a hazard to groundwater. Waste water disposal is a central aspect of our production chain, which is continually examined. To ensure that every container, every substance and all waste water is disposed of properly, employees must always have the strict waste regulations in mind. For that reason, B. Braun developed a concept in which the disposal classes for infusion, injection and rinsing solutions and the waste water produced during manufacturing are identified by different colors. For example, solutions are differentiated into those containing active substances and those without, those containing fats and those containing zinc, and the corresponding disposal route is clearly specified. Containers (Ecoflac Plus, glass bottles, bags, Ecotainer) which accumulate in production and in the lab, among others, are collected in specially sealed transport containers and disposed of later.

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We are aware of the special responsibility of handling dangerous waste: for example, wherever possible, we replace hazardous substances in the production process and undertake a variety of safety precautions for their processing, storage and transport. Our employees receive corresponding training on hazardous substances and the prevention of contamination. No release incidents with hazardous effects are known to us from the B. Braun core reporting countries for the reporting period.

Material aspect:  
Management of hazardous waste

8 | Regranulation of polyethylene

NEW TECHNOLOGY, LESS WASTE

Producing as little waste as possible in the production of our products is part of B. Braun's global sustainability strategy. A new method in the production of Ecoflac bottles in our Leading Infusion Factory Europe plant enables the reuse of polyethylene residues. When starting up the production systems and later in the production chain, residues of the plastic granulates are created which are not reusable in this form. For that reason, B. Braun developed a special method that recycles - regranulates - the polyethylene residues, making them usable again as raw materials for production. Regranulate and new granulate can be mixed at a ratio of 30:70 without influencing the quality of the final product. Developed by the Pharmaceutical Center of Excellence in Melsungen, this new technology has now been established in France, Malaysia and Spain. The method increases cost-efficient production of Ecoflac containers and simultaneously fulfills



one of our environmental targets - reducing raw material waste. In 2017, an approximate total of 17 tons of polyethylene was recycled every day for the production of new infusion containers at our plants in Germany, France, Malaysia and Spain.

Material aspect: Recycling

We recycle our waste for materials and heat - such as raw materials and thermal recovery - or dispose of them at the landfill. Through consistent sorting, we were able to return up to 86 percent of waste created during production to the economic cycles through recycling for materials or heat in 2017. This corresponds to an increase of two percent compared to 2015 and highlights our target of further increasing our rate of recycling (table 18).

Ratio of total waste 2017	Hazardous waste	2015	2016	2017	
82% Non-hazardous waste	Recycling for heat	1.4	1.5	1.8	
	Recycling for material	1.3	2.0	1.9	
	Landfill	2.0	2.0	3.5	
	<b>Total</b>	<b>4.8</b>	<b>5.5</b>	<b>7.2</b>	
	<b>Non-hazardous waste</b>				
	Recycling for heat	8.3	8.6	8.7	
	Recycling for material	19.5	23.7	23.0	
	Landfill	4.0	4.7	2.1	
	<b>Total</b>	<b>31.9</b>	<b>37.0</b>	<b>33.7</b>	
	<b>Total waste</b>				
18% Hazardous waste	<b>Total (hazardous and non-hazardous waste)</b>	<b>36.6</b>	<b>42.5</b>	<b>40.9</b>	

Table 17

Waste (in kilo tons)

	2015	2016	2017	Δ 2015-2017
Recycling <sup>1</sup> (hazardous and non-hazardous waste)	84%	84%	86%	+2%

Table 18

Recycling rate

<sup>1</sup> Recycled = recycled for heat and material

In particular, scrap medical-grade plastics from production are in some cases processed directly at our locations and reused. For example, we were able to recycle a total of about 17 tons of LDPE (polyethylene) for the production of infusion containers at our plants in Germany, Malaysia, Spain and France in 2017 (example box 8). We transfer all waste that cannot be recycled on site to disposal companies pre-sorted.





**The best of two worlds**

Rebecca Foxon is a B. Braun employee and mother. In 2006, she joined the company working as a full-time assistant. She married in 2013 and became pregnant a short time later with twins. She and her husband were happy and concerned at the same time. The question also arose as to how family and work could be reconciled. Rebecca's supervisor supported her and suggested that she work part-time during the final months of pregnancy. Her two boys, Jack and Jon, were born in October 2013. During the following twelve months of maternity leave, the family received partly company provided, partly legally mandated support until Rebecca decided to come back to work again part-time. The HR department and her supervisors helped her find a role within the company and she was promoted just recently.



# RESPONSIBILITY TO OUR EMPLOYEES

**EMPLOYMENT AND OPERATIONAL CO-DETERMINATION**

The know-how, passion and capabilities of our employees are crucial to the realization of our goals – and B. Braun's greatest strength. On December 31<sup>st</sup> 2017, the B. Braun Group employed 61,583 workers, 6.1 percent more than in the previous year. In comparison to 2015, the growth rate was 10.5 percent (figure 10). The primary reason for this increase is the continual expansion of our production. The Group also acquired and formed distribution companies and renal care centers. The overall head-count is increasing particularly strongly in Europe and the Asia Pacific region (figure 9).

G4-9

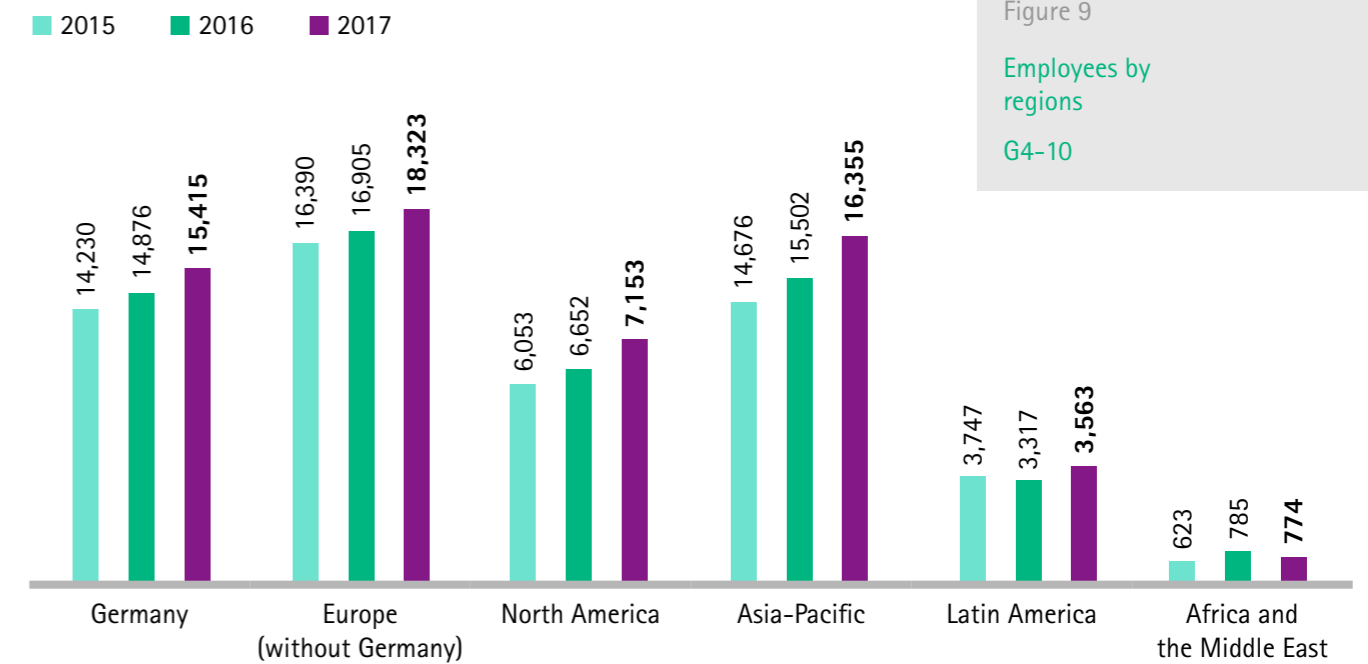
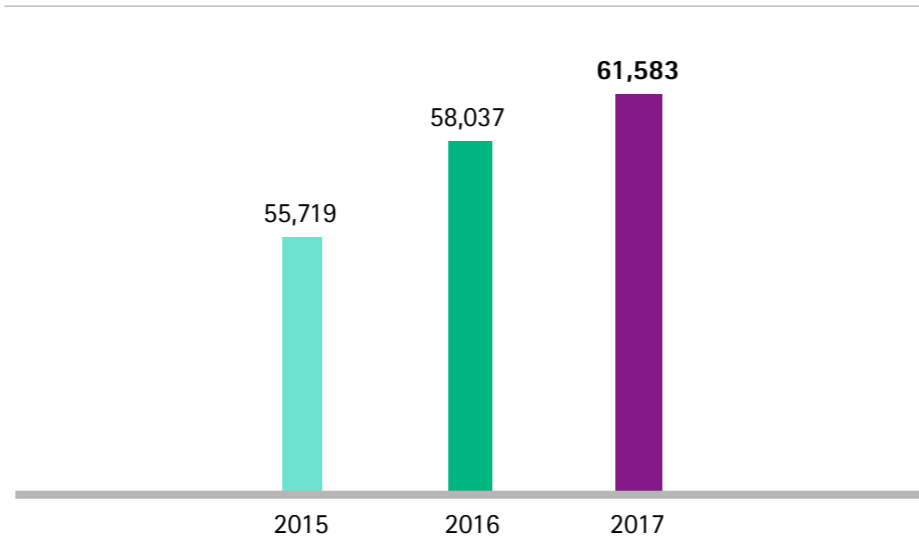


Figure 9  
Employees by regions  
G4-10



Figure 10

Number of employees worldwide



In a survey, 86 percent of employees indicated that they pursued their work with more motivation due to the communication in the B. Braun Group. In addition, 88 percent said that they identify with B. Braun and its corporate goals as a result. Our employees are correspondingly loyal to the company: in 2017, fluctuation in Germany was at the same low level as in previous years, at 1.6 percent. In the other core reporting countries, fluctuation was low in comparison to international employment statistics. On average, it was nine percent.

G4-LA1

G4-SO1

B. Braun ensures the rights of employees to freedom of association and collective bargaining. For us, that explicitly includes participation in employee representative committees and the agreement of employee contracts. In many countries, such as Germany, Malaysia, Poland, Brazil and Hungary, B. Braun has negotiated company agreements that secure the wages and working conditions of our employees. Furthermore, we know of no locations at which rights violations in the areas of freedom of association and collective bargaining have occurred. The cooperation between corporate management and employee representation in the B. Braun Group is characterized by a long tradition and mutual trust. 179 employee representatives participate on several committees for the interests of the workforce. Discussions and consultations, negotiations and collective measures ensure that the interests of employees and the company are balanced.

G4-HR4

G4-EC8

The most important outcome of the dialog in social partnership between corporate management, Workers' Councils and the trades represented in the company is the long-term securing of employment. Extensive commitments have been agreed upon in the German site continuation agreements since 2004. Among other things, the contracts include the exclusion of compulsory redundancies, the creation of training

positions, employee profit sharing, investment commitments and the preservation and creation of jobs at the German locations. Based on these contracts, we have created 4,850 new jobs at B. Braun in Germany since 2007. The current site continuation agreements in Melsungen, Tuttingen and Berlin run until the year 2020.

B. Braun's human resources management is internationally recognized and has won multiple awards in 2015, 2016 and 2017. The awards included recognitions in the categories of "Best Employer," "Best Workplace" and "Digital Transformation" (table 19).

Year	Awarding institution	Award	Location
2015	Investors in People	Investors in People (IiP) Gold	Great Britain
2016	WorkplaceDynamics, LLC	Top Workplaces 2016	Bethlehem, USA
2017	Aon Hewitt	Best Employer	Hungary
2017	Fachmedienhaus Vogel, _Mediate Group, Steinbeis-Hochschule	Digital Transformer of the Year	Germany
2017	Focus and Focus Money	Germany's Best Training Companies 2017	Germany
2017	Top Employer Institute	Top Employer	China

Table 19

Awards Human Resources Management

BALANCING WORK AND FAMILY LIFE

As a family-owned business, it is particularly important to us that employees can balance their family and work lives. B. Braun already provides family-friendly working hours at many national subsidiaries. In Germany, France, Great Britain, Poland, Russia, Switzerland and Spain, our employees can choose from multiple part-time offerings and simultaneously utilize flexi-time and working from home offices. In this way, we are offering more and more employees the foundation for an equitable work-life balance.

In the period from 2015 to 2017, 6,128 employees in the core reporting countries took parental leave (table 20). In Europe, our employees were able to temporarily reduce their work hours with B. Braun family-related part-time work, taking more time for their families. In Germany, France, Poland, Russia, Switzerland and Spain, 1,516 employees took advantage of B. Braun family-related part-time work during the reporting period (table 21).

G4-LA3

Table 20

Parental leave  
taken 2015-2017

G4-LA3

	Men	Women	Total
Germany	839	1,188	2,027
Malaysia	994	864	1,858
USA	55	59	114
Poland	178	346	524
Spain	159	182	341
India	0	24	24
China	70	218	288
Hungary	1	422	423
France	38	75	113
Vietnam	142	201	343
Great Britain	13	60	73
<b>Total</b>	<b>2,489</b>	<b>3,639</b>	<b>6,128</b>

Table 21

Family part-time  
taken 2015-2017

G4-LA3

	Men	Women	Total
Germany	55	912	967
Spain	6	235	241
Poland	0	84	84
France	4	94	98
Russia	17	29	46
Switzerland	9	71	80
<b>Total</b>	<b>91</b>	<b>1,425</b>	<b>1,516</b>

Since 2015, the German B. Braun locations of Melsungen, Tuttlingen, Berlin and Glandorf have been certified in connection with the "Work and Family" audit by the Hertie Foundation. This means that in addition to flexible work hours and flexible work locations, B. Braun also offers family-based financial and social services to employees. The seal is awarded with a validity of three years and last recognized B. Braun in 2016 for its family-conscious human resources management. Likewise in 2016, the B. Braun subsidiary Aesculap Chifa in Poland received the rating "Mother-friendly company" through a campaign of national newspapers and foundations.

## DIVERSITY AS THE KEY TO PROGRESS

At B. Braun, we trust that each individual is contributing to the company's success with their knowledge and capabilities. We value our employees in all of their variety regardless of their background, gender, education, ethnic origin, nationality, generation, age, way of working and thinking, religion, sexual orientation and know-how. We are certain that this recognition of diversity makes a crucial contribution to medical progress in rapidly transforming markets.

As part of our human resources development, we provide all people with the same opportunities for entry and advancement. Table 22 provides an overview of the diversity of our employees in 2017. The consistently high ratio of young employees is particularly welcome in consideration of the background of demographic developments in many industrialized nations. The proportion of men and women in the total workforce in the core reporting countries was nearly balanced in 2017, at a ratio of 53:47. In 2017, 3,407 female employees and 3,344 male employees were newly hired in these countries.

Material aspect:  
Diversity

G4-LA1

Table 22

Proportion of employees in the  
respective core reporting countries  
based on various diversity dimen-  
sions, 2017 (in percent)

	Age			Gender		Specialization field		Handicapped people
	up to 30	30-50	50 and up	Male	Female	Commercial	Technical	
Germany	22.8	50.2	27.1	63.1	36.9	48.5	51.5	6.6
Malaysia	41.8	50.8	7.4	40.1	59.9	14.3	85.7	n/a1
USA	17.3	41.5	41.3	56.4	43.6	51.3	48.7	0.6
Poland	31.0	50.0	19.0	58.5	41.5	25.1	74.9	2.8
Spain	18.5	64.0	17.6	49.1	50.9	56.4	43.6	1.8
India	45.0	52.0	3.0	77.7	22.3	77.9	22.1	n/a1
China	33.0	66.4	0.6	53.7	46.3	89.6	10.4	n/a1
Hungary	20.0	58.0	22.0	26.4	73.6	44.8	55.2	0.3
France	8.0	57.0	35.0	41.9	58.1	38.0	62.0	1.8
Vietnam	24.3	71.8	3.9	35.5	64.5	24.6	75.4	n/a1
Great Britain	19.0	58.0	23.0	43.6	56.4	75.0	25.0	n/a1
<b>Total proportion</b>	<b>22.8</b>	<b>54.5</b>	<b>22.6</b>	<b>53.3</b>	<b>46.7</b>	<b>44.1</b>	<b>55.9</b>	<b>2.7</b>

<sup>1</sup> Data not determinable

G4-LA13 Existing collective agreements stipulate that compensation is based on work performed and qualifications – this applies equally to men and women. We compensate our male and female employees fairly according to the aforementioned standards, regardless of gender or other personal characteristics. We consider a difference in compensation of men and women due to gender to be discrimination. We believe that diversity in management teams produces the best outcomes. That's why B. Braun pays particular attention to the equal participation of women and men in manage-

Table 23

## Genders in management positions

	2016				2017			
	Male		Female		Male		Female	
	Absolute number	Ratio	Absolute number	Ratio	Absolute number	Ratio	Absolute number	Ratio
<b>Management Board</b>	<b>6</b>	<b>75.0%</b>	<b>2</b>	<b>25.0%</b>	<b>5</b>	<b>71.4%</b>	<b>2</b>	<b>28.6%</b>
<b>Supervisory Board</b>	<b>12</b>	<b>75.0%</b>	<b>4</b>	<b>25.0%</b>	<b>12</b>	<b>75.0%</b>	<b>4</b>	<b>25.0%</b>
Germany <sup>1</sup>	97	89.8%	11	10.2%	50	87.7%	7	12.3%
Malaysia	139	66.5%	70	33.5%	153	67.4%	74	32.6%
USA	190	74.5%	65	25.5%	200	75.2%	66	24.8%
Poland	60	69.8%	26	30.2%	63	70.0%	27	30.0%
Spain	142	64.5%	78	35.5%	153	65.4%	81	34.6%
India	122	93.1%	9	6.9%	198	93.0%	15	7.0%
China	137	49.8%	138	50.2%	157	52.9%	140	47.1%
Hungary	29	71%	12	29%	18	66.7%	9	33.3%
France	62	48.4%	66	51.6%	89	56.3%	69	43.7%
Vietnam	31	59.6%	21	40.4%	28	56.0%	22	44.0%
Great Britain	43	61.4%	27	38.6%	40	59.7%	27	40.3%
<b>Total</b>	<b>1041</b>	<b>66.8%</b>	<b>517</b>	<b>33.2%</b>	<b>1126</b>	<b>68.6%</b>	<b>516</b>	<b>31.4%</b>

<sup>1</sup> Introduction of new definition of management positions of first and second level under the Management Board in 2015

G4-LA12 ment positions. The goal is to increase the number of women in the first management level after the Management Board to at least 20 percent by the end of June 2022. In order to further increase the proportion of female

senior managers in Germany, the German human resources departments, the Workers' Council and Corporate Communications launched the "Women in Management" project in March 2017. This intends to open up the path to the upper levels of management for female employees within the German locations. The project is accompanied by a comprehensive communications concept. In 2017, two of seven members of the Management Board were female; there were four women among the 16 members of the Supervisory Board last year. The proportion of women on these bodies was thus between 25 and 30 percent. In the other management positions of all core reporting countries, the proportion of women was 31 percent on average in 2017 (table 23).

The proportion of disabled employees in Germany, France, Poland, Spain, Hungary and the USA was 2.7 percent on average in 2017. In Germany, it was higher than in previous years, at 6.6 percent. In total, the number of disabled employees in the core reporting countries increased by 20 percent from 2015 to 2017. In 2017, B. Braun in Germany additionally awarded contracts to various sheltered workshops, amounting to € 2.5 million.

The internationality and mobility of employees are important components of B. Braun's culture. We actively promote networking and communication across national, international and cultural borders. Expatriate jobs, which are established for a duration from six months (project work/training) to a maximum of five years (organizational integration in the country of employment) play an important role in this. Employees collect new experiences, expand their skills and networks and make a contribution to the common understanding of values and a Group-wide, unified application of know-how. This global communication has great value for the participants, as it does for the competitiveness of our Group. After all, only when we understand and respect other cultural groups can we develop local markets further, market our products and services in a customer-focused manner and secure the future sustainability of the company. In the 2017 fiscal year, 114 employees worked at a location outside of their home country, just as in the previous year. In the future, we want to increase the number of expatriate workers even more. Germany, Malaysia and the USA were countries of focus, but Mexico and India are also stations for expatriate employees. New guidelines enable short term assignments, which support employees in balancing family and occupational responsibilities in connection with their stay abroad. These assignments last over three to six months. Stays abroad are also a component of training – as a result, we promote international engagement at an early stage.

G4-LA12

Material aspect:  
Sharing Expertise

G4-LA10



### AMBASSADORS FOR TRAINING

The qualifying of junior staff is a central component of our human resources strategy. B. Braun sees it as an opportunity to motivate young people with modern training concepts. We enable them to gain professional experience, often followed by direct hiring into a permanent employment relationship. With a total of 22 apprenticeship courses, from mechatronics engineer, IT specialist and chemical technician to export or industrial merchant to technical product designer, B. Braun offers a wide range.

G4-LA9

Table 24

Number of training graduates<sup>1</sup>

	2015	2016	2017	Total 2015–2017	Accepted 2015–2017
Germany	225	252	253	730	635
Malaysia	15	45	0	60	45
USA	1	1	0	2	1
Poland	48	42	37	127	122
Spain	73	58	69	200	0
Russia	5	7	0	12	0
Hungary	n/a <sup>2</sup>	6	7	13	n/a <sup>2</sup>
France	37	46	78	161	22
Brazil	59	21	54	134	n/a <sup>2</sup>
Vietnam	19	10	4	33	28
Great Britain	n/a <sup>2</sup>	6	6	12	6
Switzerland	6	8	36	50	n/a <sup>2</sup>
<b>Total</b>	<b>488</b>	<b>502</b>	<b>544</b>	<b>1,534</b>	<b>859</b>

<sup>1</sup> Training courses including dual training courses with vocational school

<sup>2</sup> Data not determinable

From 2015 to 2017, in the countries with more than 1,000 workers, 1,534 young people completed their training; 859 were hired (table 24). These particularly included many apprentices from Germany, Spain, France and Poland (example box 9). In addition to the classical vocational training, B. Braun offers a dual study program at many locations, as a link between vocational and academic education, with 14 study courses. 104 young people benefited from this program at the German branches in 2017.

G4-LA9

### 9 | International training at B. Braun

#### GOOD OPPORTUNITIES FOR APPRENTICES

Sound vocational training for young people is a core component of our personnel strategy. Demographic changes and skills shortages require attractive training programs, such as the ones offered at the production facilities in Nowy Tomyśl and Radzyn Podlaski near Aesculap Chifa in Poland, where we offer interesting elective courses and experiences abroad in Germany. The three-year vocational training is divided into two parts: Apprentices learn practical activities in the company of their mentors on the days that the trainees work at the company. The rest of the week, they attend vocational school. Electives in the field of "medical and veterinary instruments" and German courses are offered in addition to theoretical background courses.

Excellent performance is also specifically fostered and rewarded: In cooperation with the German Chamber of Commerce and Industry, Aesculap offers the five top apprentices the opportunity to participate in a one-year international program. At the Aesculap location in Tuttlingen, the apprentices can improve their German language skills on site and demonstrate their skills in a one-month internship and in a practical IHK exam. Aesculap Chifa's training courses give young people a chance to gain experience in an international company. By 2018, there will be a total of 151 apprentices in the two Polish locations Nowy Tomyśl and Radzyń.



10 | Dialysis training for nurses at B. Braun Avitum Hungary

### TARGETED TRAINING OF SKILLED WORKERS

B. Braun Avitum's goal is to find and retain motivated and qualified employees for the total of 18 dialysis centers by promoting individual personnel development. A one-year continuing education program is aimed at more than 300 nurses in the nephrological network; this program will enable them to develop their subject-specific competencies. During the seven theoretical and practical training sessions, the trainees learn what qualitative, individualized care looks like and how to prepare patients for transplantation.

By the end of 2017, one in five Avitum nurses had already completed the training program that started in cooperation with the Aesculap Academy. B. Braun Avitum in Hungary wants to use the new program to motivate skilled workers and promote their talents through sustainable investment. B. Braun Avitum Hungary was honored with the "Best Employer Award" in 2015, 2016 and 2017 because of the responsibility the company has assumed in funding these types of initiatives for its employees.



In addition, 664 interns worked for B. Braun in Germany alone; globally, they totaled 938. All of them get to know B. Braun and its therapy fields and give the company valuable insight. In order to obtain smart and motivated people for the company, B. Braun is constantly expanding worldwide and offering employment globally. B. Braun's training in the field of medical technology was recognized as the test winner with the Germany Test seal, "Germany's best training companies for 2017."

### EXPANDING EXPERTISE

Whether an engineer in Malaysia, a dialysis worker in Hungary or a senior manager in the USA – for our company, it is crucial that our employees acquire new know-how and are open to change (example box 10). That's why B. Braun accompanies the professional path of each individual with a wide range of training and continuing education options. In the reporting period, B. Braun employees in the core reporting countries had on average five continuing education days per year.

All training and development programs are provided under the umbrella of the B. Braun Business School and provide perspectives for all employee groups. 7,708 courses in connection with the B. Braun Business School took place worldwide during the reporting period and were attended by 60,776 employees.

An important part of B. Braun's continuing education strategy is a broad offering of technical and management training, so that everyone can achieve their potential. The basis for this is the "Global Curriculum," in which employees can train and develop their core competencies further. The core competencies include the striving for excellent performance, the commitment to cooperation, the delivery of best-in-class solutions and the acceptance of responsibility. Topics such as agile and digital work forms are part of the offering.

Together with the European School of Management and Technology, B. Braun has developed an Executive Development program, which trains international senior managers in the areas of corporate culture, markets, production, finances and controlling and strategic management, preparing them for future management responsibilities. Whenever possible, we prefer candidates from within the company for human resources succession on all levels, including up to the Management Board. Annual discussions regarding goals and outcomes, competencies, training, mobility and development are permanent components of employee management.

### PROTECTING THE HEALTH OF OUR EMPLOYEES

Protecting the health of people around the world is B. Braun's reason for existence – and this also includes our employees. B. Braun's employees work in a variety of professions and departments. That places a variety of requirements on company health and safety management. This not only relates to physical health but also mental health. For that reason, we have established comprehensive screening programs and protective measures, which reinforce the health awareness of employees in India, Malaysia, Peru and Spain, for example (example box 11).

G4-LA9

G4-LA10

G4-LA9

G4-LA11

G4-LA2

11 | B. Braun supports its employees' health

**FIGHTING STRESS, ADDICTION AND TOO MANY POUNDS**

B. Braun India is using a balanced health management program to promote a healthy lifestyle amongst its employees. Health checkups are conducted annually with sessions sharing advice on good health practices and work life balance. B. Braun India offers targeted measures across locations to relieve stress in its employees and provide a healthy and conducive working environment.

B. Braun Malaysia launched the "MyHealth" initiative in 2016. The goal is to raise employee awareness about good health and playing sports to maintain and improve their own fitness. The "Know Your Numbers" program also informs employees about their health status – such as their body mass index or body fat percentage.

B. Braun Peru has been organizing health fairs for its employees and their families since 2012. Due to growing demand, the fair has even been offered semi-annually since 2015. What's new is that the basic medical care is now offered around the clock in the Peruvian production



facilities. Occupational safety is also a big topic. A committee consisting of representatives from management and workers was established to ensure that the company's internal security policies are complied with.

B. Braun Spain is also committed to promoting the health of its employees: When an internal study found that 35 percent of Spanish production workers smoke, the health service launched a campaign to raise awareness about the dangers of addiction. "Today is the best moment" launched on World No Tobacco Day on May 31, 2016. The key component of this B. Braun campaign is the "Dejar de fumar" (quit smoking) app. The app explains health consequences, sends daily motivational messages and calculates money saved to distract workers from their "coffin nails."

In the case of an illness or accident, the best possible financial protection of the victim is also important in addition to medical care. In Germany, workers benefit from accident insurance. Similar circumstances apply for many other countries: in Great Britain and Spain, we offer our employees life and income insurance following the completion of a probationary period; in France, we assume a majority of the costs for individual health insurance. If an employee is affected by a longer term illness, the company supports them following their recovery with reintegration into the work-day routine. In 2017, the employees of Company Integration Management (BEM) held roughly 700 consultation discussions in Germany alone.

This is accompanied by an extensive prevention offering, with many programs for corporate health management. Everyday stresses can be countered with offerings such as strength and conditioning training after working hours or active breaks during the work day. This is expanded by free examinations and health checks, individual consults and anonymous surveys, which can identify health risks. With the slogan "Healthy companies - success factor of the future," the company was awarded the German Seal of Excellence of the BKK umbrella association in 2017 for its prevention offering.

Country	OHSAS 18001	Country	OHSAS 18001
Germany	■	Hungary	□
Malaysia	■	France	■
Spain	■	Brazil	■
Russia	■	Vietnam	■
India	□	Great Britain	■
China	□	Switzerland	■

G4-LA8

G4-LA5

Table 25  
OHSAS Certifications

■ available  
□ planned

**MAKING WORKPLACES SAFER**

In all departments of the company, occupational safety is achieved by example and through employees' willingness to accept responsibility. This includes that each individual is familiar with and implements occupational protection and safety guidelines and regularly participates in training. B. Braun's accident numbers have been consistently low for years: In 2017, there were 10.5 reportable occupational accidents per 1,000 full-time employees; in 2015, there were still 11.2.

G4-LA5

G4-LA6



**G4-LA8** All technical departments of the company must meet high statutory and regulatory requirements. These are expanded by B. Braun's own standards for health and occupational safety and monitored by regular internal audits. For example, many international B. Braun locations are certified according to the occupational safety management system OHSAS 18001 (table 25). The Melsungen location has also obtained the "Seal of Approval – Systematic Safety" (German: "Sicher mit System") mark from the BG RCI (statutory accident insurer for the commodities and chemicals industry). Select European B. Braun Renal care centers are certified under EN ISO 9001 and IEC/TR 62653 "Guideline for safe operation of medical devices used for hemodialysis treatments." Renal care centers qualified under these standards are authorized to use the "Good Dialysis Practice" certificate. Furthermore, B. Braun is a member of the German Chemical Industry Association (VCI) and follows its guidelines for "Responsible behavior," with the goal of independently improving health and environmental protection and safety.

**G4-HR9** The B. Braun Group understands its responsibility to uphold and promote human rights. For that reason, we observe the applicable core labor standards of the International Labor Organization (ILO). We guarantee good working conditions beyond the standard set by law and strictly reject any form of child labor, forced labor or other exploitation. In order to implement this transparently and with long-term effectiveness, we follow the National Action Plan for Economy and Human Rights (NAP) of the Federal Government. The objective of the Action Plan is clearly outlined: to collaboratively improve the human rights situation worldwide and to shape globalization in a socially conscious manner. B. Braun's quality management includes internal controls of work standards and conditions, as well as the informing of employees regarding relevant organizational changes in a timely manner.

Material aspect:  
Compliance with  
human rights

#### AGILE WORK IN "TASKS AND TEAMS"

Our collaboration is characterized by trust, transparency and recognition. It is the responsibility and part of the self-image of any employee to live out and exemplify the values and the mission statement of B. Braun, to translate guidelines into concrete action and to thereby implement the corporate strategy.

Rigid structures hamper the flexibility that is required for the organization to be able to adapt to changing conditions. Here, we rely on more

Material aspect:  
Corporate culture

agile forms of organizing work and of collaboration. In some departments, we already work according to the "tasks and teams" principle, with a horizontally networked communication and decision-making culture and a high level of self-responsibility and employee involvement: collaboration is not determined by hierarchies, but rather by roles and responsibilities. These are organized into groups instead of organizational charts; the goal is to assemble the best team for a project, regardless of department.

#### ACTING TRANSPARENTLY AND ETHICALLY

In order to monitor the many requirements for ethical corporate management, we have a global Compliance Management System. At its center are legal conformity, integrity and fairness. All B. Braun companies ensure that the compliance specifications are determined and implemented in a legally effective manner in accordance with the applicable rules. We want to ensure that all employees act according to consistent standards. For that reason, locally assigned Compliance Officers report on implementation and further development to the Group Compliance Office. The Compliance Officers are available to advise our employees: on the Intranet, B. Braun employees can see at a glance which Compliance Officer can help in their region when they need special support in individual cases. The network of Compliance Officers extends across all continents and currently comprises of 51 specialists.

Every B. Braun employee is committed to our "Code of Conduct," which has described rules of collaboration since 1996. With the last update in 2016, the standards of the ILO have received greater focus. The rules of the Code of Conduct apply to the entire B. Braun Group, on all hierarchical levels. Its components are Preventing Conflicts of Interest, Property and Information of the Company, Equal Opportunity and Fair Working Conditions, Environmental Protection, Occupational Safety, Prevention of Corruption, Fair Competition, Product Safety and Quality and Sharing Expertise.

We teach a majority of our employees about our Code of Conduct through classroom training and e-learning. Information about it is available on the Intranet and in paper form. In addition, our employees are regularly trained and advised on special compliance topics that go beyond the provisions of our Code of Conduct. All employees are obligated to report any violations or other infractions.

Material aspect:  
Compliance

[www.ilo.org](http://www.ilo.org)

Material aspect:  
Patent protection,  
compliance with human rights

G4-56

G4-S04

## 12 | Pension benefits at B. Braun France

### START THINKING ABOUT YOUR PENSION NOW

B. Braun France supports its employees in closing the pension gap during retirement with the Perco joint pension plan. Since 2008, the company has been offering attractive pension plans for employees who have been employed for at least three months at B. Braun, which, in addition to the employer-funded pension, also offers additional options for employee-funded retirement plans. Self-financing is possible, for example, through deferred compensation, profit sharing payment or by accruing



overtime. In 2016, the portfolio was revised again: Employees who have been employed at B. Braun for five or more years and employees who regularly contribute to retirement provision can look forward to additional support.

#### PREPARED FOR RETIREMENT

G4-EC3

As a company that has grown as a result of many generations of entrepreneurial thinking, we are aware of our social responsibility toward our employees. We want our employees and their families to be well taken care of – not only today, but also after their work life is over. That's why we support them beyond the legally required pension.

As of 12/31/2017, B. Braun formed provisions for pensions and similar obligations in the amount of approximately € 1.3 billion. In the core reporting countries, 57 percent of the currently active employees are entitled to an employer-financed pension scheme. Access to the B. Braun pension scheme is dependent on various factors. These include the duration of employment and the type of employment contract.

G4-EC3

Since 2007, we offer a modern pension plan for B. Braun Melsungen AG in Germany, called "Vorsorge Plus" ("Pension Plus"). In addition to an employer-financed pension, our employees have the possibility here to build their own pension through deferred compensation. Furthermore, the company offers various forms of employee-financed additional pension: from the collectively bargained pension to direct insurance to special investment models for non-tariff employees, every worker receives a type of pension that is attractive to them. In Germany, B. Braun currently has about 4,000 company pensioners, with a pension volume amounting to more than € 24 million per year. B. Braun also supports employer and employee-financed pensions in other core reporting countries (example box 12).

Company management and the Workers' Council have additionally collaborated to create the Part-Time 60Plus model, based on the "Working Life and Demographics" tariff contract for B. Braun Melsungen AG. The individual principles were formulated in a company agreement. Older employees – particularly those doing shift work – should be unburdened by the model and find a flexible transition into retirement. In this way, we want to secure the targeted transfer of many years of knowledge from experience to subsequent generations.

G4-LA10

The "Working Life and Demographics" tariff contract was negotiated between the Bundesarbeitgeberverband (Federal Employer's Association) and the Industriegewerkschaft Bergbau, Chemie und Energie (Industrial Union for Mining, Chemicals and Energy).

The Part-Time 60Plus model enables employees to reduce their working hours to 50 percent and normally to continue to be able to build on 80 percent of their gross wages. As of 2017, field service employees and non-tariff employees can also take advantage of Part-Time 60Plus. Financing is provided from a specially created demographics fund.

G4-LA10

G4-LA2





## OUR RESPONSIBILITY TO SOCIETY

### Chance for a better life

The El Pinar neighborhood is part of the socially vulnerable areas of the Spanish town of Rubí. The Compartir Association has made it its mission to give disadvantaged children and youth there the chance of a better future. Since 2005, B. Braun has an agreement with Compartir. The organization has been dedicating itself to helping around 90 children a year who often experience social exclusion due to their immigrant background. Compartir offers help with homework, recreational activities and a healthy diet; B. Braun helps with financial and material donation such as office equipment. B. Braun employees take part in monthly microdonations and for Christmas they donate toys, dental kits as well as food and hygiene solidarity baskets.

### EXEMPLARY COMMITMENT

As a family-owned business, B. Braun acts around the world as a "citizen of society." We consider this to mean that we act as a good citizen for society in the long term, beyond our actual business activities, and set an example for other companies. In 2017, we sponsored a total of 239 social projects in 36 countries (table 26).

The strategy for our societal engagement comprises of building upon and exchanging our know-how, the promotion of regions and the creation of prospects.

### EXPANDING KNOWLEDGE

On the occasion of the 175th anniversary of the company, at the headquarters of the B. Braun Group in Melsungen, B. Braun invested in the region and supported the renovation of the Melsungen public comprehensive school. After two years of planning and construction, the barrier-free school has enabled learning on an open and modern campus since 2016.

The Otto-Hahn-Gymnasium school collaborated with the B. Braun subsidiary Aesculap to create the "Kinderuni" ("Children's University") at the Tuttlingen, Germany, location in 2008. In 2017, it opened its doors to young researchers for the 34th time already. Since its opening, many renowned speakers and professors have taken advantage of the opportunity to teach young people and children more about topics from science and society.

The "La Paellada" elementary school is right next to the B. Braun logistics center in Santa Oliva, Spain. The Fem Robótica project annually introduces more than 300 boys and girls to the technically complex subject of programming robots and gives them insight into the technology of the future.

Material aspect:  
Corporate culture

Expanding know-how: we want to share know-how in our projects, in alignment with our philosophy of "Sharing Expertise," and to develop new ideas with others.



Table 26

## B. Braun-supported social projects

Country	2015	2016	2017
Germany	62	68	86
Malaysia	6	10	7
USA	3	14	14
Poland	0	6	8
Spain	5	4	4
Russia	0	2	1
India	4	3	3
China	5	8	6
Hungary	18	18	19
France	6	6	8
Brazil	9	9	7
Vietnam	2	2	2
Great Britain	5	5	8
Switzerland	3	3	4
Other countries	49	74	62
<b>Total</b>	<b>177</b>	<b>232</b>	<b>239</b>

Since its inception in 2004, B. Braun has supported the 2-Way Center in Penang by funding the center's learning activities, adventure camps, and fees for a full-time specialist tutor. The center provides affordable learning assessment, consultation and education to underprivileged children with learning difficulties. We finance the specially trained teachers who accompany the 4 to 17-year-olds. B. Braun also supports the Penang International Science Fair, which attracts up to 50,000 visitors annually. Through exhibits and activities, B. Braun educates both young and adult visitors, and creates awareness on health and medical-related topics. In 2016 and 2017, B. Braun sponsored a series of Genetics workshops, conducted by a team of scientists from Germany, to expose Penang students of different age groups to the wonders of genetic science (see example box 13).

The young adults who B. Braun is preparing at the US location in Allentown, Pennsylvania for entry into professional life are a few steps ahead of the game. Also, together with the Catasauqua Area High School, we give first-hand tips and information on various occupations and application scenarios to 14 to 18 year old participants in a "Career Awareness Course." Our goal is to establish vocational preparation courses at other schools together with other employers in the region.

The B. Braun Foundation has supported the continuing education of nurses and doctors at hospitals in Germany for more than 50 years now. The Foundation awards stipends and arranges symposia and colloquia,

[www.bbraun-stiftung.de](http://www.bbraun-stiftung.de)

## 13 | Genetics Week in Malaysia

## GENETIC SCIENCE IS THE FUTURE

Using genetic engineering in biomedicine is an important field of research in medicine. For example, it helps insulin be produced to treat diabetes and helps researchers understand how cancer develops. "Genetics Week" has already taken place twice – in 2016 and 2017 – in Penang, Malaysia. B. Braun Malaysia and the Science Bridge Association from Kassel organized the action days at the Science Café Penang to inspire students to pursue careers in biomedicine and genetics.

How is the human genome constructed? And how can DNA be isolated? Scientists from the Universities of Kassel and Gießen gave answers to questions like these in workshops and experiments. "We hope that the workshops will leave a lasting impression and create an interest in science, so that a new generation of R&D talent can emerge in Malaysia," says Anna Maria Braun, B. Braun board member and president of B. Braun Asia Pacific.



Encouraging the next generation to pursue careers in scientific professions is important for both B. Braun and the "Science Bridge" association. "Science Bridge" is a cooperative project between the universities in Kassel and Gießen, which aims to build bridges between science, school and the public. The student and public laboratory, an initiative of the Department of Genetics of the University of Kassel, has been supporting schools with molecular biology labs since the 1990s. B. Braun and "Science Bridge" also participate in the Melsungen Children's and Youth Weeks.

such as the annual Kasseler Symposium for Doctors. B. Braun has donated to the Otto-Braun-Fund since 1989, which awards doctoral scholarships to young scientists and artists together with the University of Kassel, Germany. In addition, we cooperate with the North Hesse Society for Innovation (GINo) in Germany in patenting university inventions. B. Braun has been active in the "Wissensfabrik" ("Knowledge Factory") since 2013. The German initiative of 130 companies and foundations, working together with scientific partners, is developing innovative education projects in order to implement them throughout Germany in day nurseries and schools.

[www.wissensfabrik.de](http://www.wissensfabrik.de)

Strengthening regions: We support local initiatives in the regions where we operate. This is backed by our conviction to provide help precisely where we can be a strong partner in the region due to our presence.

#### STRENGTHENING REGIONS

The "B. Braun Children's and Youth Weeks" in Melsungen are an important regional project which took place in 2017 for the 10th time. Each year, B. Braun invites kindergartens and grade schools to experiment together and to motivate children at an early stage to become interested in the natural sciences and engineering. A total of 6,300 young boys and girls took part in 2015, 2016 and 2017. The "B. Braun Children's and Youth Weeks" were supported by teachers from the Melsungen comprehensive school, the Schülerforschungszentrum Nordhessen (North Hesse Student Research Center) and the University of Kassel.

B. Braun in France cooperates with the "Petits Princes" organization, which strives to provide carefree moments to sick children. We support the "Caresses d'un sourire" campaign – "the caresses of a smile" – at the University Hospital Dijon. Here children in the oncology ward receive weekly visits from therapy animals. This builds important relationships for the children and gives them a job that they are happy to be responsible for.

Health and sports are the focus of the "B. Healthy – B. Braun" project in the UK. There B. Braun employees organize alongside The Sheffield Sharks Basketball Team, dance and basketball training, nutrition workshops and school competitions. Most importantly, they serve as role models for the children explaining how important sports and a healthy lifestyle are. Since 2008, several thousand children eagerly anticipate the "B. Healthy – B. Braun" event each year.

The Children's Hospital Institute of Sports Medicine (CHISM) in Sydney, Australia, helps children who have limited ability due to injury or illness to exercise. Sports physicians work in this unique specialist clinic to give children with disabilities the opportunity to once again enjoy sports and exercise. B. Braun has been financially supporting the project; in addition, our employees donated toys, hold parties and worked with the children on site.

In 2017, 28 B. Braun teams participated in the "Via of the Lehigh Valley" marathon and running event in Pennsylvania, USA, which collects donations for children with disabilities. B. Braun employees were involved in the United Way project for people in need residing in the Lehigh Valley. They raised funds for two weeks, organized raffles and actively supported the "Big Brothers Big Sisters" charity golf tournament to benefit children in the area.

#### CREATING PROSPECTS

With the "B. Braun for Children" initiative, we have been improving the living conditions of children and young people since 2004. In 2017, we implemented 107 projects worldwide, which benefited more than 59,000 young people. The "B. Braun for Children" projects are tailored to the

Creating prospects: We continually identify projects that give disadvantaged people opportunities for a better life. Through personal and financial commitment and through in-kind donations, we make a long-term contribution – and acutely when necessary – to the self-help of victims.

14 | Medical deployment in the mountainous regions of Vietnam

#### B. BRAUN EMPLOYEES ARE INVOLVED IN AID PROJECTS

Many children in Vietnam still suffer from poor living conditions today and depend on the support of aid organizations. Especially children from ethnic minorities and those living in rural or mountainous areas rarely have access to medical care or education.

B. Braun employees in Vietnam support the Nu Cuoï organization to improve the living conditions of children in these regions. Our employees accompany the organization to the most remote villages of the northern mountain region twice a year, providing the local people with such essential items as medicine, blan-

kets and winter coats. They are also helping to set up a new school through donations.

One important and indispensable part of these visits is the medical check-up, which is largely carried out by voluntary B. Braun doctors. Conventional illnesses can be treated with the medicine that they bring in; in more complicated or more severe cases, members help transport patients to hospitals for further treatment. Our employees make an important contribution to the health of the local people not only through their own commitment but also through financial and material donations.



needs of children and young people and show them the way to live life independently. The respective national branches are free to decide their own specific projects and act independently, since they know and have experienced the local situation and can specifically control projects, such as the Nu Cuoï project in Vietnam (example box 14).



Other selected  
B. Braun-for-Children projects at  
<http://bbraun.info/children-en>

Since 2016, B. Braun employees at the largest German locations have been able to donate the "extra cents" amount of their monthly wages for "B. Braun for Children" projects. This raised more than € 33,000 in 2016 and 2017. With the money raised, the company supported eight of the many "B. Braun for Children" projects supported over the long term in Argentina, China, the Philippines, Spain, Sri Lanka and the Czech Republic.

As an example, we supported the Brazilian "Operation Smile" organization, which enables children with cleft lips and jaws to undergo surgery that is no longer performed free of charge by the public hospitals in Rio de Janeiro. B. Braun also supports the "Orphanage Outreach" project in the Philippines: We donated to the "House of St. Joseph" there, a home for homeless children that the Dominican sisters run.

B. Braun not only provides long-term aid, but also ad hoc, supporting immediate measures. Wherever aid organizations are deployed around the world, support from donations from the economy is indispensable. In 2015, for example, more than a million refugees came to European countries to seek refuge from war and persecution. After already providing immediate early financial aid for housing, in 2016 we established a wide range of collaborations for integration and sustainable support of people

(example box 15). Particularly in Asia, people have been confronted with the consequences of natural catastrophes in recent years. B. Braun supports immediate measures and promotes the reconstruction of destroyed regions by working with local aid organizations. In 2015, floods plunged the east coast of Malaysia into weeks of chaos. We were able to quickly deliver urgently needed medical products to the affected regions of Kelantan and Trengganu. The local staff also launched a charitable donation through the Malaysian Red Crescent Society.

When earthquakes in Nepal killed 7,900 people and caused catastrophic damage the same year, B. Braun employees donated to the Global Care organization; the company matched the donated total. The money was used for the reconstruction and furnishing of the Janakalyan Higher Secondary School in Srinathkot, in central Nepal. The school was inaugurated in May of 2018. The children also received new school uniforms and school bags. In 2016, the Vietnamese provinces of Quang Binh and Hà Tĩnh suffered severe rainfalls, which damaged or destroyed more than 12,000 houses. B. Braun employees in Vietnam donated money and transferred it directly to the affected families.

## 15 | B. Braun for Refugees

### START-UP SUPPORT FOR A NEW LIFE

Kimaz Ali was born and raised in Syria. In 2015, at the age of 17, he came to Germany as a refugee, seeking asylum from war and persecution. B. Braun offers support here, and looks to the future: in 2015, Kimaz took part in the PerspektivePLUS initiative program, which aims to improve young people's readiness for training and integration. In 2016, he completed the entry qualification at B. Braun Avitum and was able to begin an apprenticeship as a machine and plant operator in the same year. In 2018, he completed his training and now works in production.

Since 2015, the B. Braun Management Board and our employees have donated more than € 100,000 to the "B. Braun for Refugees" relief campaign. In doing so, the company supports projects for integrating refugees into our community and the labor market. The goal of all of these projects is to give refugees a positive outlook in their new home and to connect people.

In Melsungen, for example, the B. Braun Vocational Training department, the Association for a Sustainable Melsungen, the city integration office and the Radko Stöckl Vocational School started the "Initiative for the Professional Orientation of Refugees." In collaboration with the Radko Stöckl Vocational School in Melsungen, the B. Braun Vocational Training department of B. Braun Melsungen AG developed the "Professional Qualification in Technology for

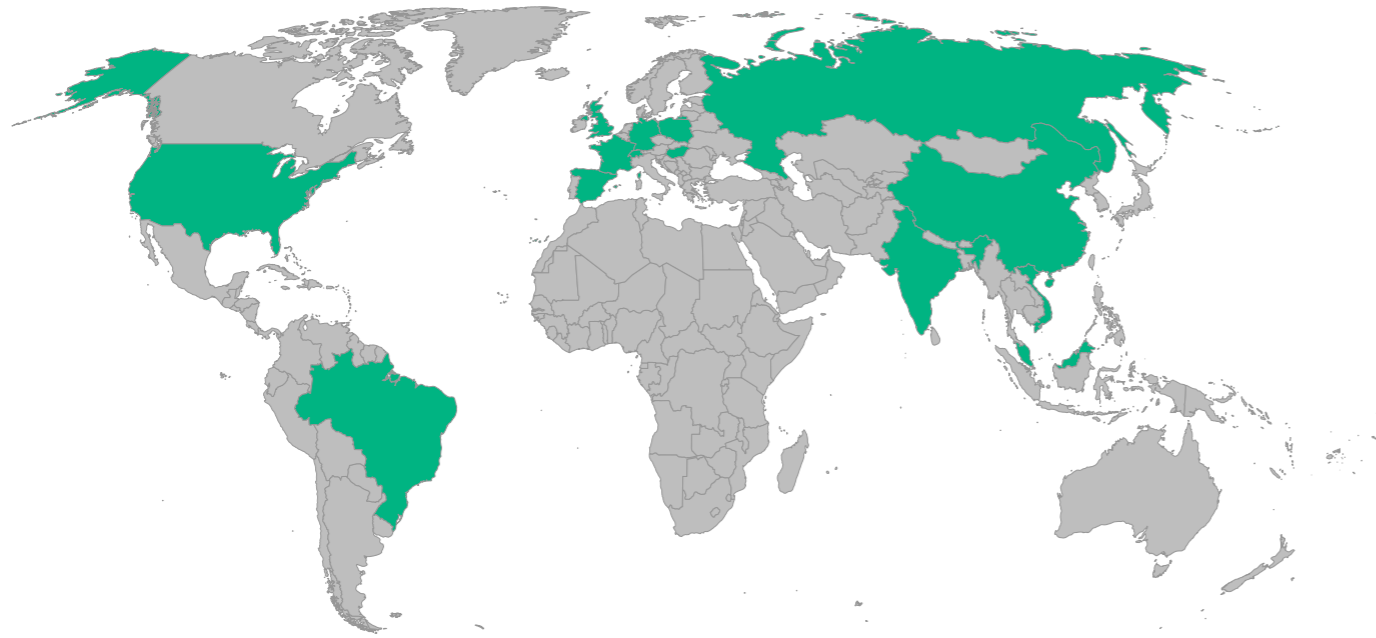
Refugees" (QuaTeF) pilot project. Here, refugees are prepared for the demands of the labor market in internships at B. Braun, in school and with specialized language instruction.

B. Braun Aesculap at the Tuttlingen location trains young refugees to be machine and plant operators. With the money collected for the "B. Braun for Refugees" relief campaign, we also support the social work of "Mutpol – Das Leben lernen," ("Mutpol – Learning how to live") a youth welfare association initiative in Tuttlingen. Another portion of the donations goes to the Berlin branch of the Workers' Samaritan Federation to provide medical care to refugees. And, in Radeberg, we support the "Radeberger Land hilft" alliance, which works in the region to integrate people through employment, sport and meetings.





# REPORTING LOCATIONS



CRC <sup>1</sup>	Country	Locations	CRC <sup>1</sup>	Country	Locations
■	Germany	Bad Arolsen Berggießhübel Berlin Glandorf Melsungen Radeberg Reutlingen Suhl Tuttlingen	■	China	Suzhou Zibo
■	Malaysia	Penang Petaling Jaya	■	Hungary	Budapest Renal care center Gyöngyös
■	USA	Allentown, PA Bethlehem, PA Irvine, CA	■	France	Boulogne-Billancourt Chasseneuil Chaumont Gradignan Ludres Nogent Saint-Jean-de-Luz Sarlat
■	Poland	Nowy Tomyśl		Brazil	
■	Spain	Jaén Madrid Rubi Santa Oliva	■	Vietnam	Hanoi
	Russia		■	Great Britain	Sheffield
■	India	Bhiwadi Chengalpet Hyderabad: Production		Switzerland	

<sup>1</sup>Core reporting country

# GRI INDEX

**84 percent**  
conformity with core aspects  
according to GRI and  
materiality analysis

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This report contains standard indicators from the GRI guidelines on sustainability reporting. The table provides an overview of the GRI core aspects indicated in the report.

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# MILESTONES OF RESPONSIBILITY



**1839** | Julius Wilhelm Braun acquires the Rosen-Apotheke in Melsungen. Today, B. Braun is a globally operating, family-owned business in the sixth generation.



**1963** | First broadly established voluntary commitment of employees with the founding of the B. Braun company sports group.

**1981** | First awarding of the B. Braun prize for supporting qualified junior staff in healthcare.



**1995** | With the Aesculap Academy, a continuing education forum for medical specialists is created that is represented in 40 countries today.



**2003** | B. Braun creates the "Perspektive Plus" initiative in order to make it easier for young people without an apprenticeship to enter working life.

**2007** | With "Vorsorge Plus" ("Pension Plus"), B. Braun offers its employees the basic coverage of company pension.



**2015** | The first B. Braun sustainability report is published; for consistent data collection, we have introduced a monitoring system on which the current sustainability report is based.

**1919** | B. Braun establishes the pension fund for employees of the company, with 50,000 Reichsmarks.

**1923** | B. Braun establishes the Betriebskrankenkasse (company health insurance fund - BKK).



**1966** | The B. Braun Foundation is created to support the training and continuing education of doctors and nurses.



**1989** | B. Braun forms a staff department for environmental protection.

The company founds the Otto-Braun Fund for awarding doctoral stipends.

Program for balancing work and family is started.



**1996** | B. Braun Melsungen AG becomes the first European medical-pharmaceutical company to be certified according to the Eco Audit.

**2004** | The "B. Braun for Children" initiative is founded.



**2011** | B. Braun creates energy efficient and modern logistics centers and production facilities around the world with climate-friendly construction methods.



**2012** | With the "Code of Conduct," B. Braun introduces a global behavioral code that defines ethical behavior for all B. Braun employees.

