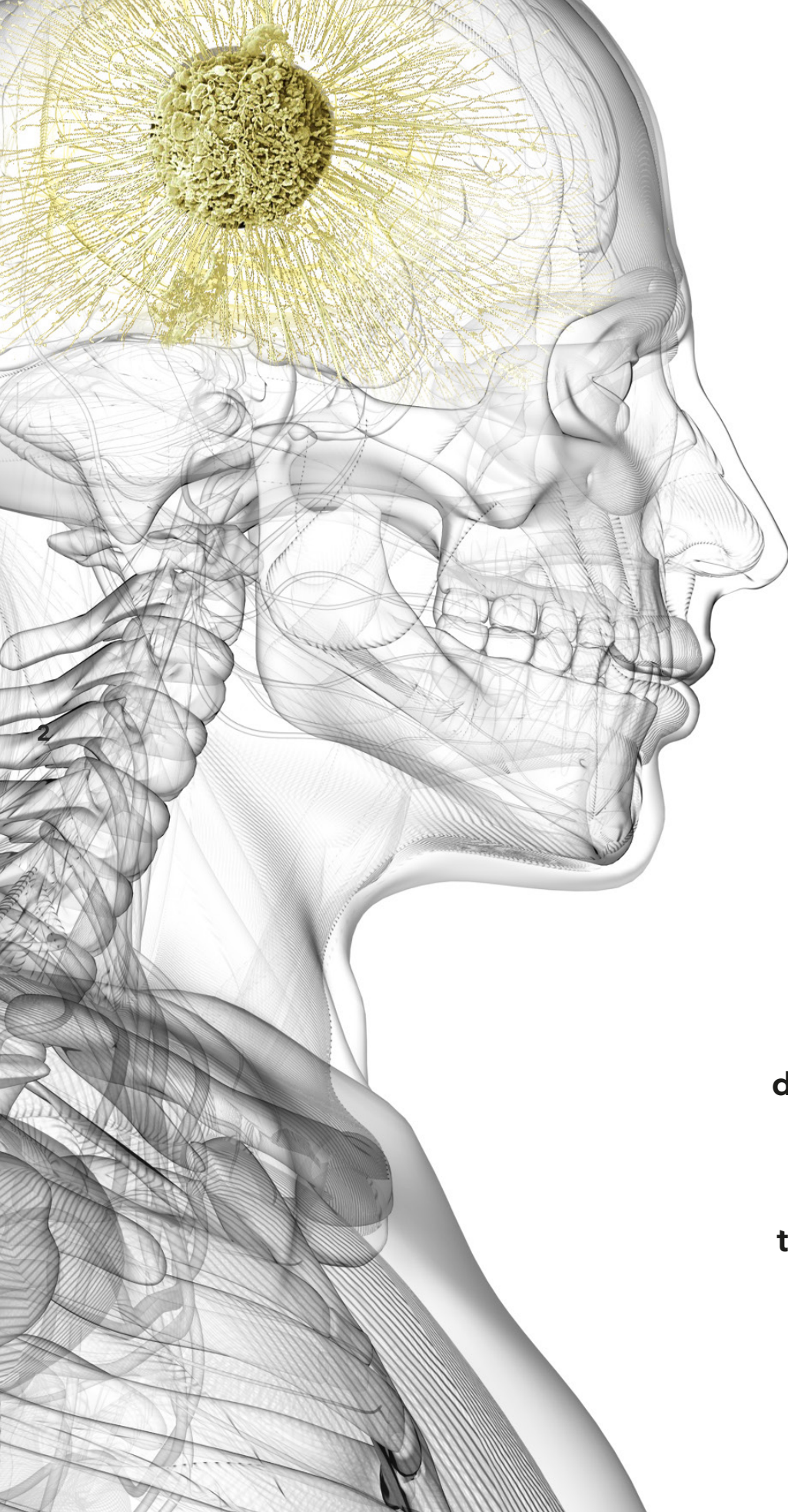




# GRÜNENTHAL RESPONSIBILITY 2022/2023



# **CORPORATE PROFILE**

**Grünenthal is a global leader in pain management and related diseases. We have a long track record of bringing innovative treatments to patients worldwide. As a fully integrated pharmaceutical company we cover the entire value chain – from drug research and development to commercialisation of portfolios with both growth products and established brands. We operate in accordance with the highest ethical and regulatory standards, and we focus our efforts on our vision of a World Free of Pain.**

**6** Letter from  
the CEO

**8** Grünenthal's Corporate  
Responsibility Programme

**28** Compliance, Ethics &  
Transparency

**42** Patient – The people we  
serve

**60** People – Our employees,  
partners and communities

**76** Planet – The environment  
we depend on

## About this Report

### GRI 2-1, GRI 2-3, GRI 2-4, GRI 2-5

In selecting the content of this second Grünenthal Responsibility Report, we were guided by the general principles of sustainability reporting of completeness, materiality and stakeholder engagement. Grünenthal has reported in accordance with the GRI Standards for the period 01-01-2022 to 31-12-2022. The GRI indicators are marked at the relevant text sections. This report was published in April 2023 and is planned to be published annually. There have been no restatements compared with the year before. We are committed to the 10 principles of the UN Global Compact. The GRI Content Index therefore also

indicates which GRI indicators simultaneously cover one or more of the UN Global Compact principles.

Deloitte GmbH Wirtschaftsprüfungsgesellschaft conducted a voluntary, limited assurance engagement on the data for the fiscal year 2022. As greenhouse gas emissions for 2022 are not yet available, the 2021 figures are in the scope of the audit. Sections containing audited data in this report are indicated by a line on the left side of the text. With the exception of greenhouse gas emissions, 2021 figures are not in the scope of the limited assurance audit for 2022. Unless otherwise indicated, the statements in this report refer to the scope of consolidation as stated in the consolidated financial statements of Grünenthal Pharma GmbH & Co. Kommanditgesellschaft.

## Our Ambitions

The Global Reporting Initiative is an internationally recognized and probably the most widely used reporting standard for Responsibility/Sustainability reporting. It provides strict requirements for transparent metrics and KPIs to set clear ambitions and measure progress. We are committed to driving our Responsibility Programme in a measurable and auditable way, so we have chosen the ambitious reporting standards and the voluntary external audit.

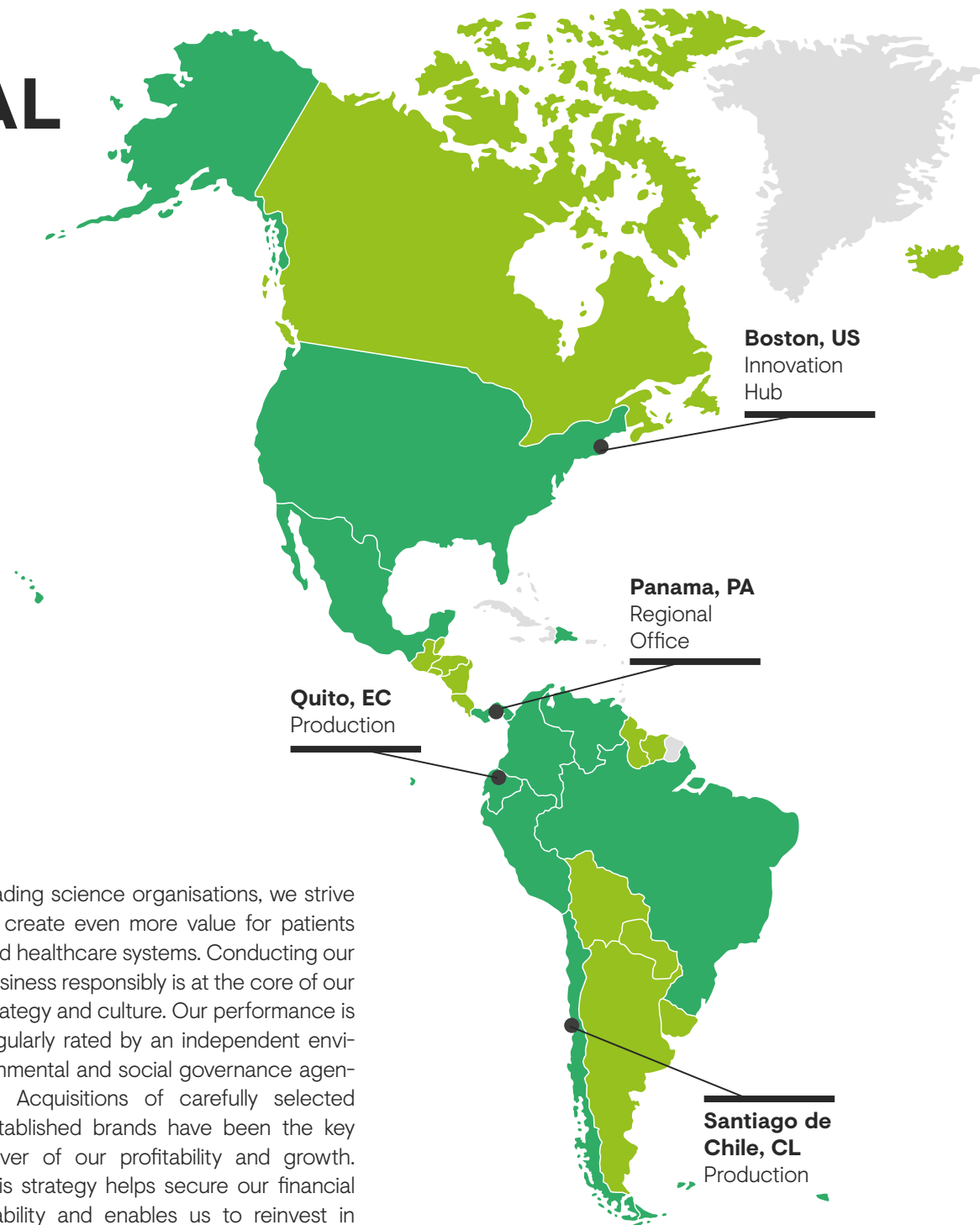
# THE GRÜNENTHAL WORLD

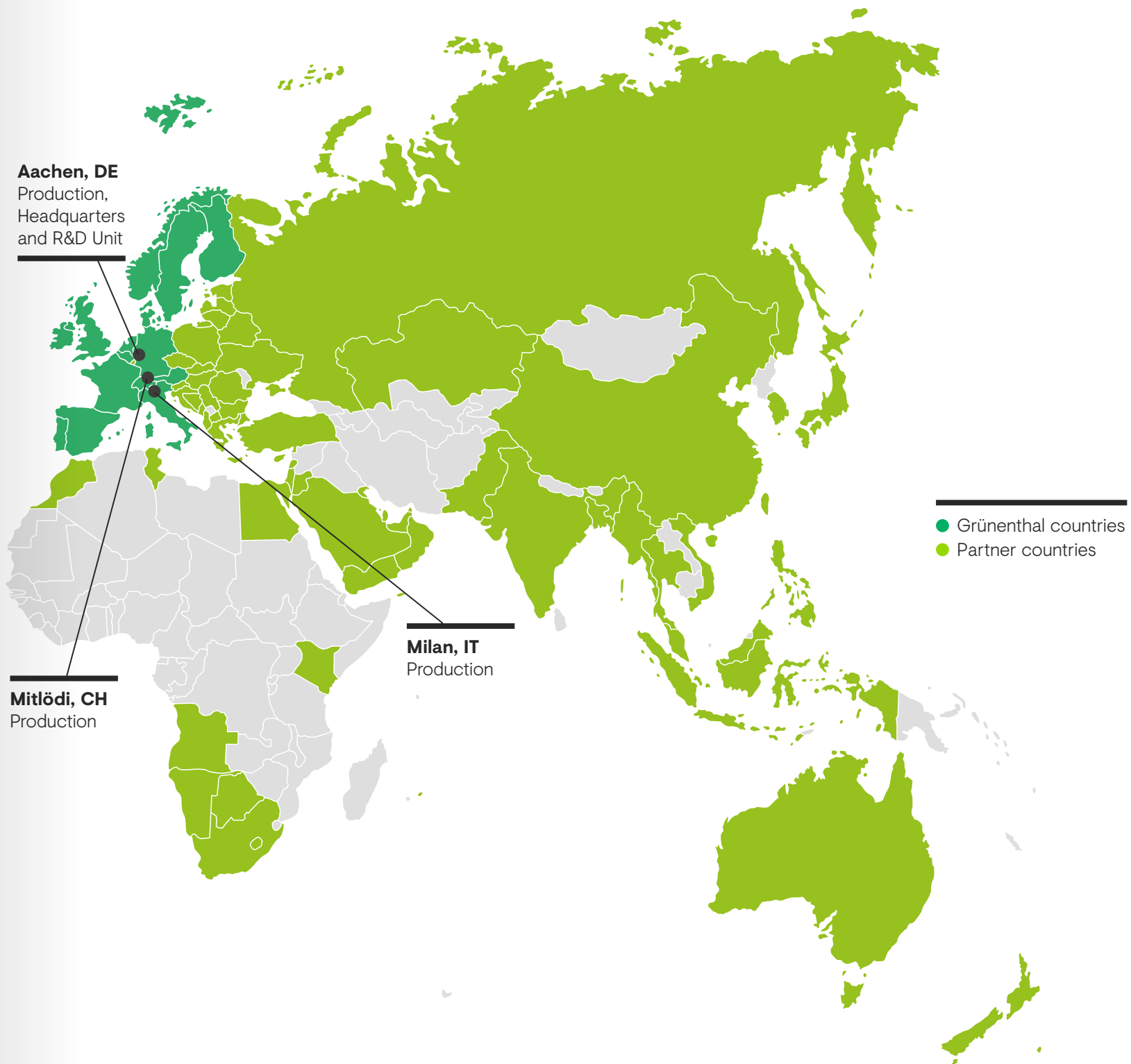
**GRI 2-1, GRI 2-2, GRI 2-6**

Grünenthal is a global company headquartered in Aachen, Germany. It has affiliates in 28 countries across Europe, Latin America and the US. Patients and customers benefit from Grünenthal products in around 100 countries worldwide.

Pain, especially chronic pain, represents a significant burden for people and society. Its alleviation remains a significant unmet medical need. Grünenthal is the leading pharmaceutical company focused on pain therapies and research. We are committed to transforming the future of pain management within the highest ethical and regulatory standards. As a family-owned company, we have been in the business of developing breakthrough medicines for patients for more than 75 years. Over the past five decades, we have focused on developing, manufacturing and commercialising innovative products for the pain market. From research to distribution, we have capabilities across the full value chain and aim to strengthen our pain leadership by developing highly innovative, non-opioid therapies. In partnership with

leading science organisations, we strive to create even more value for patients and healthcare systems. Conducting our business responsibly is at the core of our strategy and culture. Our performance is regularly rated by an independent environmental and social governance agency. Acquisitions of carefully selected established brands have been the key driver of our profitability and growth. This strategy helps secure our financial stability and enables us to reinvest in pain research.





# LETTER FROM THE CEO

## GRI 2-22

As a global leader in pain management, our purpose at Grünenthal is to improve lives. Each day, our teams worldwide work to make our vision of a World Free of Pain a reality. Conducting our business responsibly is a core part of our strategy and culture, and we aspire to have a net positive impact on the societies we operate in.

6

## Dear Partners,

Our long-standing commitment to Corporate Responsibility is closely tied to our culture and embedded within our strategy. In 2022, we took decisive steps to implement our comprehensive Corporate Responsibility Programme. This programme is built on four modules: Fields of Action, Ethical Framework, ESG Risk Management, and Corporate Governance.

Our Fields of Action ensure we create a maximum positive impact on healthcare, our communities, and the environment. Key initiatives revolve around the topic clusters PATIENT, PEOPLE and PLANET. Material topics with specific ambitions and KPIs have been identified for each field. We want our commitment to Environmental, Social and Governance (ESG) to be a valuable and sustainable contribution to society.

In the 2022 reporting period, we re-assessed all important strategic and operational topics within our company and its environment. This involved analysing both their impact on Grünenthal's business activities ('financial materiality') and the impact of Grünenthal's business activities on sustainability topics ('impact materiality'), known collectively as the double materiality concept.

To gain a holistic view, we analysed the identified topics regarding their relevance in our value chain. Our annual Responsibility Reports demonstrate our transparency and document our progress. We report according to the Global Reporting Initiative (GRI) standards and subject our reporting to external auditing. Our efforts were recognized by an ESG rating that ranked Grünenthal in the top 3% for our pharmaceutical subindustry<sup>1</sup>, with an even stronger rating compared with the previous year.

As a United Nations Global Compact (UNGC) member, we formally commit to the values of the world's largest initiative for responsible corporate governance. We are committed to the 10 universal UNGC principles in human rights, labour standards, environment and climate, and corruption prevention. In addition, we support the achievement of the Sustainable Development Goals (SDGs).

We believe a sustainable future can only become a reality when the important stakeholders work together. This is why we maintain the dialogue with our partners and employees to challenge our efforts and adjust our targets.



7

We continue to make great strides to positively impact the communities and the environment we operate in. From sustainable water management to reducing our energy consumption: Grünenthal does its part to reduce its footprint on our surroundings. We also regularly partner with NGO's, for example, when providing disaster relief or supporting research around the world. Grünenthal continues its successful journey towards an even more sustainable future for all.

**Gabriel Baertschi**  
Chief Executive Officer

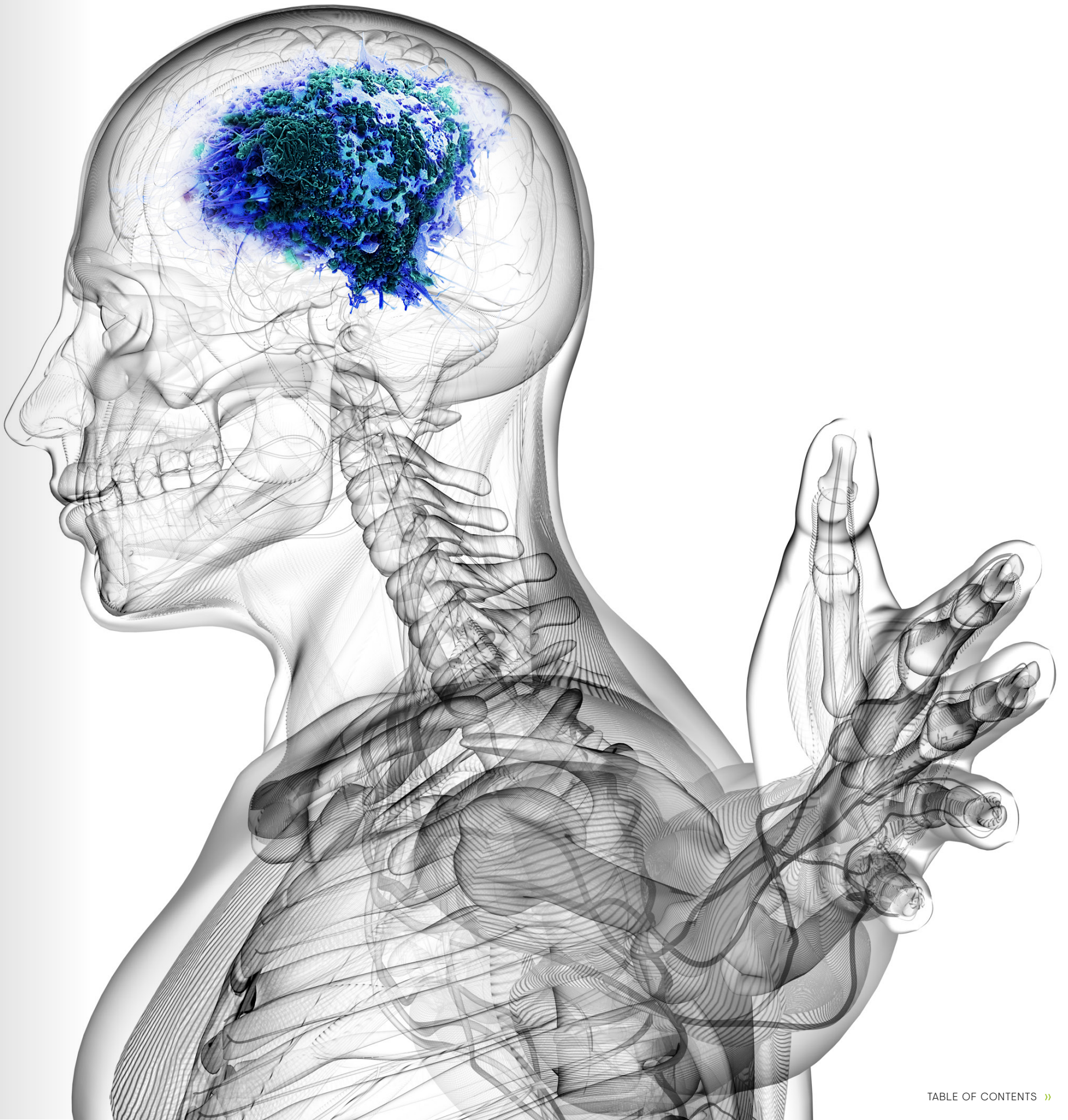
“ Grünenthal aims to maximise its beneficial effect on employees, partners and society – while reducing the environmental footprint of our business activities.

**Gabriel Baertschi**  
Chief Executive Officer

<sup>1</sup> Sustainability. The Pharmaceuticals industry comprises three subindustries: Pharmaceuticals, Biotechnology and Laboratory Equipment and Services.

# GRÜNENTHAL'S CORPORATE RESPONSIBILITY PROGRAMME





# GRÜNENTHAL'S CORPORATE RESPONSIBILITY PROGRAMME

Corporate Responsibility is at the core of our business strategy and our culture. We want to create a net positive impact for patients, employees, partners and wider society. And we want to reduce the negative impact of our operations on the environment.

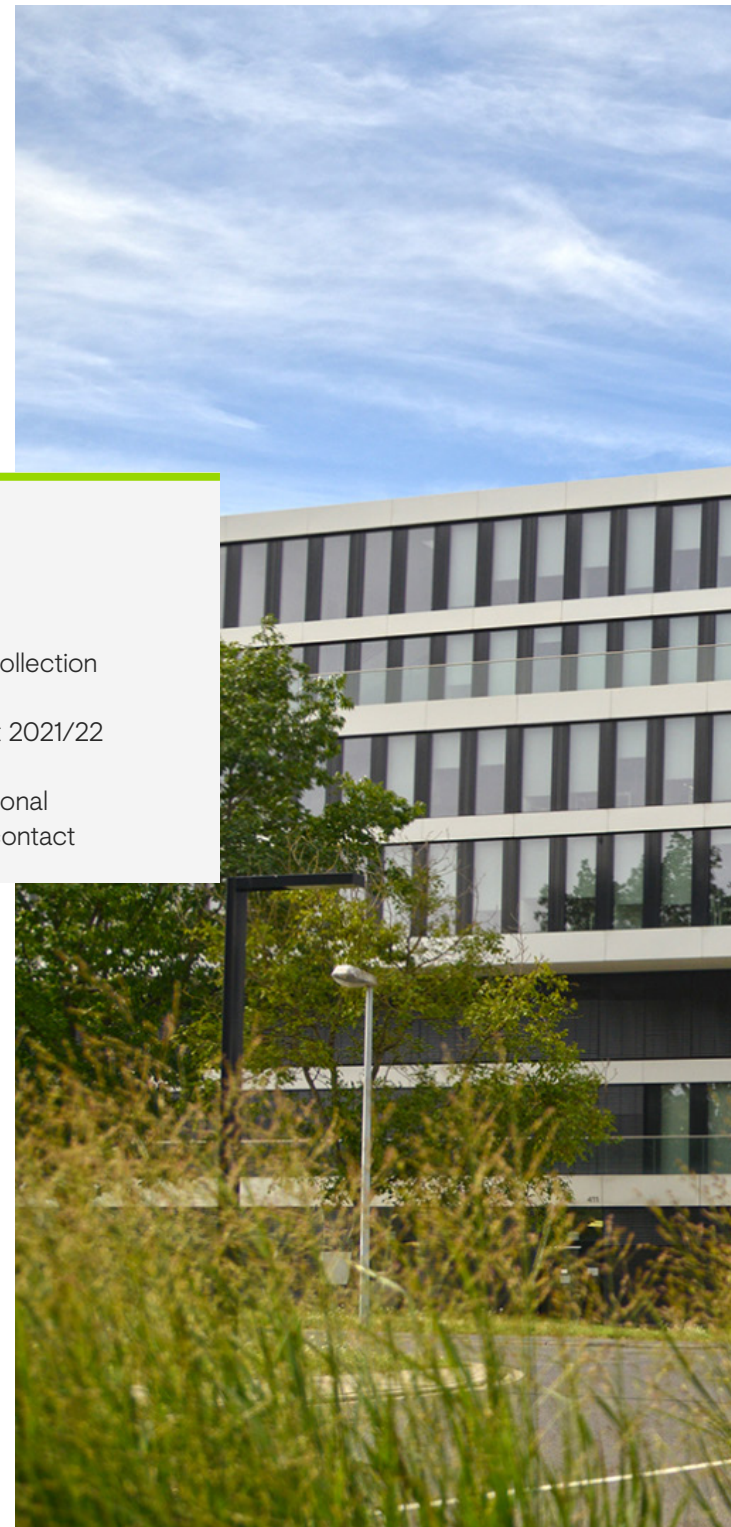
To make this happen, we have established a holistic corporate responsibility programme (the 'Corporate Responsibility Programme') which includes impact initiatives with ambitious goals.

Our responsibility and sustainability reporting is drawn up in line with the latest Global Reporting Initiative (GRI) Standards (2021) and the 10 principles of the United Nations Global Compact (UNGC), of which the Grünenthal Group became a member in 2021.

In addition, our performance is regularly assessed by independent rating agencies according to environmental, social and governance (ESG) criteria.

## What we achieved in 2022:

- Improved ESG risk rating through permanent gap filling
- Established a regular cycle of data collection and reporting
- Ambitions from Responsibility Report 2021/22 'on track'
- Established a dedicated cross-functional ESG Lead Team as a clear point of contact





Our Corporate Responsibility Programme is embedded in our Strategy



## The four Modules of our Corporate Responsibility Programme

---



### Fields of Action

Our Fields of Action are focused on **compliance, ethics and transparency**, the **patients** we serve, the **people** with whom we work and the **planet** we depend on. We have created internal capacity to define and organise the necessary tasks, set ourselves ambitious targets and established key performance indicators ('KPI') to measure progress for each of these fields of action.



### Ethical Framework

Our strict ethical framework provides us with guidance in areas that are lacking clear legal regulations. Examples include our bioethics and our data ethics frameworks (see chapter 'Compliance, Ethics and Transparency').



### ESG Risk Management

Managing risks is an essential aspect of acting responsibly as a corporation. Potential risks in this area can be clustered into the established sustainability categories: environmental, social and governance – or 'ESG'. Our performance in ESG risk management is reflected in an external rating by Sustainalytics. In 2022, Grünenthal was placed in the top 3% of the global pharmaceuticals subindustry – a segment that is inherently characterised by higher ESG risk. This puts our company just outside the low-risk category and ahead of our key peers. The rating agency Sustainalytics assessed Grünenthal as having a medium ESG risk overall and managing our ESG risks in a strong way. We continually review our ESG risks and look for targeted opportunities for improvement. The results of the rating also form a basis for defining our material topics, goals and measures.



### ESG Governance

Our comprehensive corporate governance system ensures that we constantly conduct our business in ways which align with our belief in decent entrepreneurship. We have further strengthened our sustainability governance by introducing a responsibility board (the 'Responsibility Board'). It drives the ongoing implementation and further development of our Corporate Responsibility Programme.

## Dialogue with our Stakeholders

### GRI 2-29

We operate in a dynamic environment with a large number of diverse stakeholder groups whose demands vary widely. We aim to be a reliable and trustworthy partner to attract talent and fulfill the expectations of our investors and shareholders by being a good corporate citizen with strong ethics. Therefore, it is important for us to engage all our stakeholders in a continuous dialogue. As part of our materiality analysis 2021, we have identified five core stakeholder groups that have an especially strong influence on Grünenthal, or for whom our impact is particularly significant. These stakeholder groups were validated in the 2022 materiality analysis:

### Customers

Our customers can be divided into two subgroups, namely B2B customers (such as wholesalers, pharmacies and retailers) and end consumers (patients). Both groups are directly affected by our activities. From outreach via our patient engagement, we know that end consumers rightly expect our products to meet high quality and safety standards and to be accessible. These same aspects are also important for our B2B customers, as they are indirectly affected by the quality and safety as well as by the accessibility, availability and reputation of our products.

## Employees

Our employees at Grünenthal benefit directly from opportunities for growth and development that we can offer them. Our goal is to maximise these opportunities while providing a safe place to work. At the same time, the successful implementation of our Responsible Business Programme depends largely on the ability and willingness of our employees to understand, comply with and support this programme. Our corporate responsibility engagement is key for attracting and maintaining talents at Grünenthal. In line with this motivation, we are improving the discourse with our employees and have conducted an employee survey which we will do repeatedly, from which we can gather feedback and reflect on their input.

### Investors

Grünenthal's actions and operations ultimately affect our financial performance and are therefore relevant for our debt investors. This is particularly true for our approach to ESG risk management, as our related performance presents opportunities as well as risks that have a mid- and long-term impact on financial performance.

From engaging with them directly, through debt investor calls and in other ways, we gather more intelligence and for example know debt investors will themselves consider sustainability factors in their investment decisions and may even be required to do so under applicable laws, regulations or investment guidelines.

## Suppliers

We are embedded in and depend on global supply chains to manufacture our products. Grünenthal's actions and performance have a direct impact on other businesses in our supply chain. At the same time, our suppliers and their decisions and dependencies have a direct impact on us. We are very aware of our responsibility regarding the organisations in our value chain and maintain a continuous dialogue with them. We also have dedicated working groups and impact initiatives in place to collaborate with and improve environmental, social and governance aspects in our supply chain.

### Peers

As an important member of the pharmaceutical industry, we want to set a benchmark for quality, reliability and safety. Together with our partners and peers, we want to have a positive influence on the entire sector and increase the overall sustainability performance of the pharmaceutical industry.

We are in an ongoing dialogue with our core stakeholders and jointly analyse potential impacts, requirements, opportunities and risks in the context of responsible and sustainable business decisions. As part of our materiality analysis, we have included our main stakeholders in the development of our material topics. Thanks to recurring supervisory dialogue and regular touchpoints with our executive business team on the topic, the incorporation of stakeholder engagement in Grünenthal's Responsibility Programme is ensured.

## Membership Associations

### GRI 2-28

In addition to maintaining an ongoing dialogue with our stakeholders, we are involved in many industry and sector associations. These include:

- Akademie für ärztliche Fortbildung
- Arbeitsgemeinschaft für Pharmazeutische Verfahrenstechnik e. V. (APV)
- Berufsverband der Ärzte und Psychologischen Psychotherapeuten in der Schmerz- und Palliativmedizin in Deutschland e.V. (BVSD)
- BioRiver Life Science im Rheinland e.V.
- Bundesverband Managed Care e.V.
- Clinical Data Interchange Standards Consortium (CDISC)
- Deutsche Gesellschaft für Palliativmedizin e.V.
- Deutsche Gesellschaft für Regulatory Affairs e.V. (DGRA)
- Deutsche Gesellschaft für Schmerzmedizin e.V. (DGS)
- Deutsche Public Relations Gesellschaft e.V.
- Deutsche Schmerzgesellschaft e.V.
- Deutsche Schmerzliga e.V.
- Deutsches Institut für Compliance e.V. (DICO)
- Deutschsprachige SAP Anwendergruppe e.V. (DSAG)
- digitalHUB Aachen e.V.
- European Federation of Pharmaceutical Industries and Associations (EFPIA)
- European Pharmaceutical Market Research Association (EphMRA)
- Eversana Life Science Services, LLC
- Gesellschaft Deutscher Chemiker e.V. (GDCh)
- Gesellschaft zur Förderung des Unternehmer- nachwuchses e.V. (BBUG)
- Health Care Bayern e.V.
- Interdisziplinäre Gesellschaft für orthopädische/ unfallchirurgische und allgemeine Schmerztherapie e.V. (IGOST)
- International Federation of Pharmaceutical Manufacturers & Associations (IFPMA)
- International Society for Pharmaceutical Engineering, Inc. (ISPE)
- International Trademark Association (INTA)
- Interpat Association – The biopharmaceutical Intellectual Property think tank
- Lernendes Energieeffizienznetzwerk RheinEnergie AG
- Max-Planck-Gesellschaft
- Deutsche Gesellschaft für Personalführung e.V. (DGFP)
- Navitas Life Sciences Ltd.
- Patentrechtliche Arbeitskreise
- Paul-Ehrlich-Institut (Federal Institute for Vaccines and Biomedicines)
- Pharmaceutical Users Software Exchange (PhUSE)
- Pharma.be
- SecurMed UK
- Stifterverband Für Die Deutsche Wissenschaft e.V.
- The Data Warehousing Institute Germany e.V. (tdwi)
- United Nations Global Compact
- Verband der chemischen Industrie e.V.
- Verband Deutscher Treasurer e.V.
- Verband Forschender Arzneimittelhersteller e.V. (vfa)
- Vereniging Innovatieve Geneesmiddelen (The Dutch Association Innovative Medicines)





ity

## ESG Management Approaches and Materiality Analysis

### GRI 3-1, GRI 3-3

The development of our responsibility and sustainability activities has emerged through dialogue, analysis of our impact on people and nature, and analysis of actual and potential ESG impacts on our business.

### Procedure for the Materiality Analysis

In the 2022 reporting period, we not only put the results of last year's materiality analysis under scrutiny, we also re-conducted the materiality analysis based on the 'double materiality' concept. While material topics in 2021 were determined primarily by their impact (economic, environmental and social impacts of Grünenthal's business) and the external (stakeholder) relevance, we re-assessed all the important strategic and operational topics within Grünenthal and its environment in 2022. Mirroring the findings in a central materiality

workshop and strategic analysis phase, the 'double materiality' of topics was assessed. This meant analysing both (i) their impact on Grünenthal's business activities ('financial materiality') and (ii) the impact of Grünenthal's business activities on the sustainability topics ('impact materiality').

As with last year's process, the Corporate Executive Board and the Advisory Board were also involved in the final definition and understanding of the material topics 2022. Stakeholder input gained from our recurring dialogue was also considered.

Importantly, to gain a holistic understanding of the topics' impact and our impact on the topics, we analysed the identified topics regarding their relevance in our value chain. This way, we were able to identify at which points in the value creation process topics are relevant, and who in or outside Grünenthal may be affected or should be involved or considered when setting goals and designing measures for the respective material topics.

## Material Topics

### GRI 3-2

In our materiality analysis, we reviewed all the important topics grouped in our four fields of action (see infographic below). As for the reporting period 2022, the four fields of action are:

- **Compliance, Ethics and Transparency**
- **Patient**
- **People**
- **Planet**

These form the framework of our responsibility and sustainability activities. It is essential to our business to ensure high **Compliance, Ethics and Transparency** standards. They are the foundation of our business and shape our everyday operations.

The **Patient** field of action concerns the solutions and achievements for the users of our products. The main topics in this field of action are directly related to innovation, to how we market our existing products, and to awareness and access to pain medication.

The **People** field of action includes key topics related to our employees, such as their health and level of engagement, as well as our diversity as an organisation and our attractiveness to potential employees.

The action area **Planet** encompasses all the topics related to the environmental impact of our business activities, the responsible use of resources and our influence on the climate.

## Our 12 Material Topics within four Fields of Action

### PATIENT

- Responsible Use of Pain Medication
- Product Governance & Safety
- Responsible Innovation
- Awareness & Accessibility



### PEOPLE

- Human Capital Fairness
- Employee Engagement
- Equality, Diversity & Inclusion
- Attractive Employer

### COMPLIANCE, ETHICS & TRANSPARENCY

- Compliance, Ethics & Transparency Excellence

### PLANET

- Environmental Excellence Strategy
- Responsible Use of Resources
- Our Impact on Climate

Fields of Action

**COMPLIANCE, ETHICS & TRANSPARENCY**



**PATIENT**



**PEOPLE**



**PLANET**



Material Topics and Descriptions

• **Compliance, Ethics & Transparency Excellence**

*Aiming for excellence in the areas of compliance, ethics and transparency is at the core of our daily business. We operate at high ethical standards and continuously strive for excellence*

• **Responsible Use of Pain Medication**

*Our approach to the responsible use of pain medication is based on three pillars which form the foundation of our business relationships. They centre on strict governance, close involvement of our business partners, and education about pain medication for healthcare professionals and patients*

• **Product Governance & Safety**

*Our products are made to manage pain. Striving to ensure the safety of our products and the highest product standards is essential*

• **Responsible Innovation**

*Even today, there are still types of pain that cannot be adequately treated. Through our R&D, we contribute to providing for people with as yet unmet needs*

• **Awareness & Accessibility**

*Raising awareness and enabling access to pain medication is a core topic to us. We need to make people understand that pain is a disease in its own right and give those who suffer from it access to appropriate medicines to treat their condition. We strive to raise awareness and accessibility via various initiatives that are combined in one holistic Awareness & Accessibility platform that further boosts our ability to reach our goals*

• **Human Capital Fairness**

*Healthy employees and safe working conditions are the basis for our success. To achieve this, we rely on comprehensive health measures and the highest safety standards*

• **Employee Engagement**

*Fostering a high-performance culture and living our Values & Behaviours is the key to our success. This is why we invest in regularly requesting feedback from our employees to help us constantly improve*

• **Equality, Diversity & Inclusion**

*We stand for diversity, equality and inclusion. We want to increase diversity and equality at Grünenthal and become a role model and inclusive workplace*

• **Attractive Employer**

*We want to create the best possible conditions for our employees in their working and personal environment. We therefore offer rich and varied roles, opportunities for growth and an extensive range of benefits*

• **Environmental Excellence Strategy**

*Our goal is to further promote environmental sustainability. We achieve this by continually developing our environmental sustainability strategy based on our impact initiative Driving Environmental Sustainability*

• **Responsible Use of Resources**

*Responsible use of resources is essential for us and our stakeholders to limit our impact on the environment. We focus in particular on our consumption of energy and water and our handling of production waste*

• **Our Impact on Climate**

*We want to better understand our impact on climate change and want to take action to reduce it. We therefore calculate our corporate carbon footprint and set ourselves firm targets for future CO<sub>2</sub> reductions*

## Materiality Matrix

When analysing the impacts as well as the risks and opportunities associated with all topics determined, it was the 12 Material Topics, already reported for the period 2021, that scored highest in materiality in 2022 again, for the following reasons:

- **Compliance, Ethics & Transparency** Excellence in the respective field of action provides the licence to operate for Grünenthal, and has the greatest effects on the costs and barriers to market entry, and corporate reputation. Financial materiality is therefore high. This topic also has great social impact materiality, as it influences the global development of fair and transparent access to pharmaceutical products.
- In the **Patient** field of action, both Awareness & Accessibility and Responsible Use of Pain Medication are scored as highly financially material due to the effects on safeguarding company positioning and reputation ('A World Free of Pain'), market sales volumes, and efficiency effects by focusing and clustering measures and also involving the cost of incurred measures. The impact materiality is also highest, due to the direct effects on efficient healthcare resources through better and faster treatments, and a social impact through improvements in the overall health situation. In this Patient field of action, Responsible Innovation also ranks as a material topic. In the financial materiality

dimension, Responsible Innovation affects the speed of development cycles and can contribute to broader patient sales bases with potential positive reputation effects. Materiality impact is highest due to the topic's effect on broader patient phenotyping.

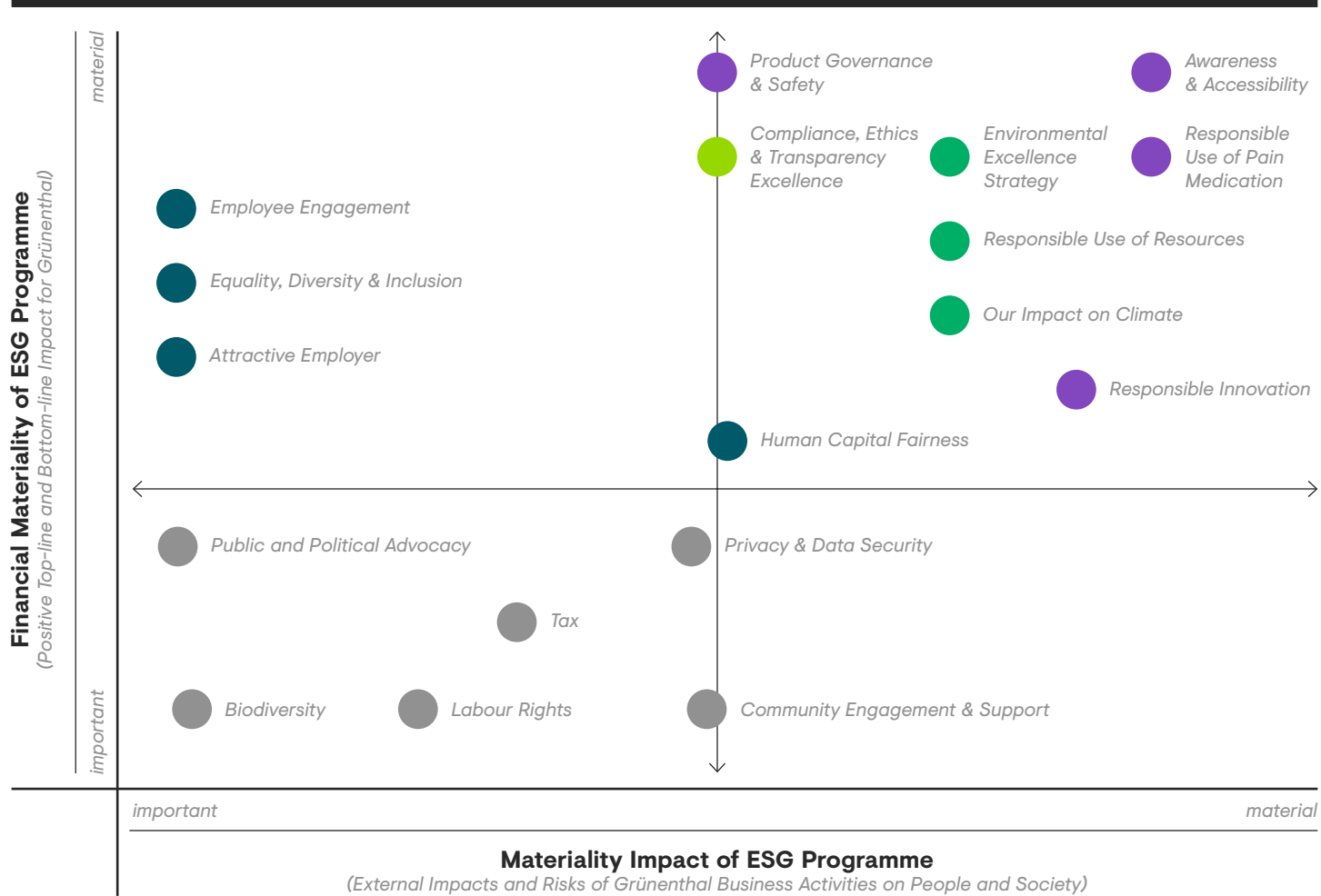
- In the **People** field of action, the financial materiality for four topics is high: Employee Engagement; Equality, Diversity & Inclusion; Attractive Employer; and Human Capital Fairness. These material topics all have direct effects on personnel costs, productivity rates, personnel retention rates, recruiting costs, size of employee base, and employer reputation. In the case of Human Capital Fairness, the materiality impact is also high due to a general social contribution impact on employment conditions.

- In the **Planet** field of action, the three material topics are Environmental Excellence Strategy, Responsible Use of Resources, and Our Impact on Climate. They influence access to capital and its cost, and ongoing capital expenditures especially for energy sourcing, environmental risk mitigation and access to energy; it all defines the financial materiality of these topics. Additionally, the impact on environmental prosperity affects the materiality impact of these topics.

When mapped according to the relevance of their respective financial and impact materiality, Grünenthal Material Topics 2022 creates the following matrix.



Grünenthal Double Materiality Matrix

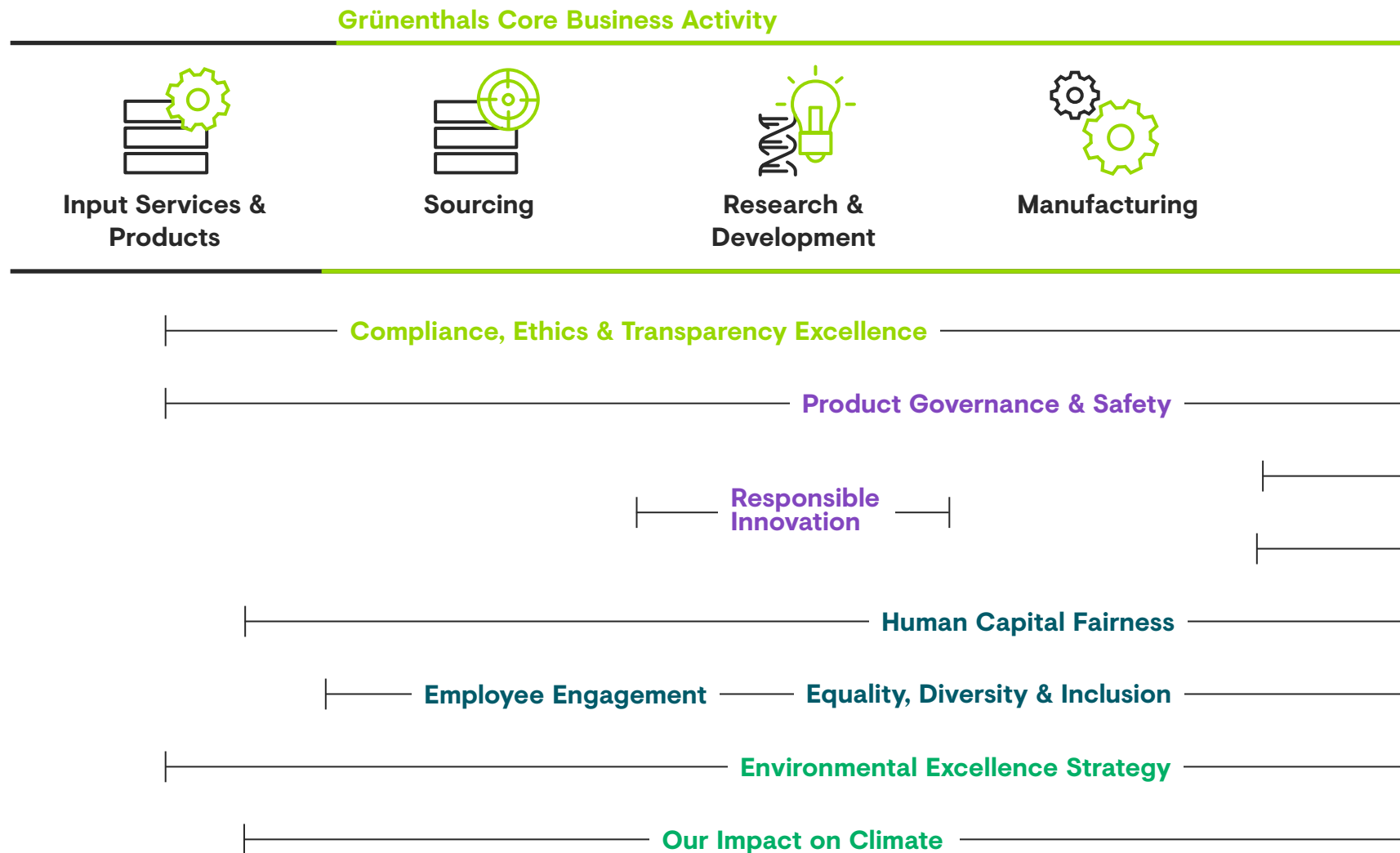


Grünenthal's material topics within our Fields of Actions:

- Compliance, Ethics & Transparency
- Patient
- People
- Planet

In addition to this, we have mapped the Grünenthal Material Topics 2022 according to their relevance within the Grünenthal Value Creation Process as shown below.

### Grünenthal Value Creation Process and Mapped Span of Material Topics





**Market Access &  
Product Governance**



**Commercial-  
isation**



**Product  
Distribution**



**Customer Use**

**Responsible Use of Pain Medication**

**Awareness & Accessibility**

**Attractive Employer**

**Responsible Use of Resources**

## Sustainable Development Goals

We want to continuously improve and optimise our ESG performance. To achieve this, we have set ambitious targets for each of our material responsibility topics. These targets can be found in this report on the opening pages for each relevant chapter.

## Grünenthal's Contribution to the SDGs

In 2015, the United Nations adopted Sustainable Development Goals (SDG) as a 'blueprint to achieve a better and more sustainable future for all'. The SDGs are a call to action to end poverty and inequality, protect the planet, and ensure that all people enjoy health, justice and prosperity.

As a leading pharmaceutical company, we are committed to supporting the SDGs in line with our business strategy. We particularly contribute to SDG 3, which aims at ensuring healthy lives and promoting wellbeing for all.



### SDG 3: Good Health and Wellbeing

Pain is a huge burden for patients, their families and society as a whole. As a leader in pain management, we help to educate patients and healthcare

professionals on how to use pain medication responsibly, while ensuring the best possible impact for the patient. We also raise awareness and increase accessibility to available treatments, while developing new medication for unmet medical needs to improve patient quality of life worldwide.

Through our business operations and ongoing activities, we also make essential contributions to the following SDGs:



### SDG 8: Decent Work and Economic Growth

People thrive best in a healthy environment, so we care for the wellbeing of everyone who works at Grünenthal. We have established an inspiring place to work and develop, in an open and inclusive atmosphere, with fair employment practices. In 2022, we were certified as a Great Place to Work® at 24 entities in 19 countries, including our headquarters and all our production sites. We aim to maintain high levels of engagement at Grünenthal by providing a working environment in which all our employees feel valued, respected and empowered to reach their full potential and bring great ideas to the table.



### SDG 9: Industry, Innovation and Infrastructure

We need solutions that address huge unmet needs in pain management. This is why a large part of our revenue is re-invested into R&D each year, and well above industry average. Through our funding programmes such as the EF-IC-Grünenthal Grant and the Brain, Mind and Pain 'Patient-Centred Innovation Grant' (BMP Grant), we support scientists in carrying out innovative clinical pain research. We have filed 200 priority patent applications in the last 10 years. On top of this, we leverage modern technologies to improve outcomes for patients. We are, for example, using machine learning based on anonymised human data to increase understanding of disease and to improve the design of clinical trials.



### SDG 12: Responsible Consumption and Production

We conduct our business responsibly, which means legally, ethically, respectfully and sustainably. This approach covers everything we do, from selecting suppliers and how we treat our



employees to production conditions and marketing and sales practices. Our dedicated responsibility initiatives, such as our zero waste to landfill programme, energy and water efficiency programmes and consumption targets help us focus our efforts to contribute to the achievement of SDG 12.



### SDG 13: Climate Action

To reduce the environmental impact of our business, we have established several initiatives to ensure we use resources more sustainably, avoid waste in our operations wherever possible, and switch to renewable and low-carbon energy. To foster a more strategic approach, we have carried out a full environmental impact assessment and greenhouse gas (GHG) inventory for all our activities. On this basis, we are building a roadmap to becoming more sustainable in our business operations. We have set ourselves the goal of achieving net zero emissions for our own sites and our direct emissions by 2030. With our goal to work with our key suppliers to achieve a commitment to use 100% renewable power and implement an energy reduction standard by 2030, we hope to raise awareness, educate, and inspire our supply chain to follow our commitments.

### Embedding Sustainability in the Organisational Structure

**GRI 2-12, GRI 2-13, GRI 2-14, GRI 2-17**

To develop a strong corporate responsibility governance structure, we have established a responsibility board (the 'Responsibility Board') for a consistent Grünenthal-wide and localised implementation, enforcement and monitoring of our Corporate Responsibility Programme. The Board is chaired by the Chief Responsibility Officer. The Responsibility Board ensures close alignment with the Corporate Executive Board and communication to all employees and stakeholders.

#### Members of the Responsibility Board

- Chief Responsibility Officer (Chair)
- Head of Global Human Resources
- Head of Corporate Strategy
- Head of Global Communication
- Head of Research
- Head of Drug Safety and Qualified Person Responsible for Pharmacovigilance (QPPV)
- Head of Manufacturing Latin America & API and Global Manufacturing Operations
- Head of Latin America
- Head of Commercial Controlling
- Head of Global Portfolio Commercialisation
- Commercial Responsibility & Business Ethics Officer

The Responsibility Board reports directly to the Corporate Executive Board in regular reporting and coordination updates, and at any other time if needed. The Corporate Executive Board is therefore in constant exchange with the Responsibility Board and is permanently involved in the development, adoption and updating of all relevant strategies, policies and goals regarding sustainability at Grünenthal.

In addition, the Advisory Board (Beirat) is regularly informed by the Chief Responsibility Officer about the situation, plans and progress of the Corporate Responsibility Programme.

Our Responsibility Programme's continuous improvement and development is the key duty of the Responsibility Board. It serves as a decision-making body and sounding board for all questions, issues, matters and targets related to Corporate Responsibility at Grünenthal, and organises all the necessary structures throughout the Grünenthal Group to ensure stable sustainability governance.

The Responsibility Board also manages and fosters continual dialogue with external and internal stakeholders, sets ambitious sustainability targets and ensures transparent reporting.

In this context, the Responsibility Board actively promotes the advancement of collective knowledge, skills, and experience of the Corporate Executive Board and the Advisory Board on sustainable development.

## Governance Structures

**GRI 2-1, GRI 2-9, GRI 2-11**

### The Ultimate Parent Company of the Grünenthal Group

The ultimate parent company (Grünenthal Pharma GmbH & Co. KG) of the Grünenthal Group is a limited partnership (Kommanditgesellschaft) incorporated under the laws of Germany, with a limited liability company (Gesellschaft mit beschränkter Haftung) as general partner incorporated under the laws of the Principality of Liechtenstein, and which has its corporate seat in Aachen, Germany (the 'Ultimate Parent Company'). It wholly owns Grünenthal GmbH. The Ultimate Parent Company serves as a holding company, while Grünenthal GmbH is the entity that is active in the pharmaceutical business.

### Grünenthal GmbH

Grünenthal GmbH is a limited liability company (Gesellschaft mit beschränkter Haftung) organised and existing under the laws of Germany and has its corporate seat in Aachen, Germany (the 'GmbH'). The GmbH was incorporated in 1946 under the name Chemie Grünenthal GmbH.

### Dual Governance Structure

Both the Ultimate Parent Company and the GmbH have a dual management system characterised by a separation of personnel between the management and supervisory bodies, as further explained below.

## The Advisory Board

Both the Ultimate Parent Company and the operational GmbH have an advisory board (Beirat) in place. The limited partners of the Ultimate Parent Company (the 'Shareholders') and the shareholders of the GmbH, respectively, elect the members of their relevant advisory board (Beirat). The members of the advisory board of the Ultimate Parent Company and the advisory board of the operational GmbH (the 'Advisory Board') have to be identical.

The Advisory Board appoints the GmbH's managing directors (Geschäftsführer), who form the Corporate Executive Board (the 'Corporate Executive Board'), and advises and controls the Corporate Executive Board. The managing directors (Geschäftsführer) regularly report to the Advisory Board on the financial situation of the Group, and on matters relating to the business situation of the Group, the management's plans, important occurrences and matters, and on the Group's performance. The Advisory Board approves the measures of the Corporate Executive Board if required by the Articles of Association of the GmbH and the partnership agreement of the Ultimate Parent Company. For example, certain significant actions, including acquisitions, material licence deals and material investments or fundamental strategic matters of the Group, where they lie outside the usual course of business, require the approval of the Advisory Board.

The Advisory Board has an audit committee (Prüfungsausschuss) and a personnel committee (Personalausschuss). It may establish any other committee if it decides to do so.

The members of the Advisory Board consist of five external voting members (the 'Voting Members') and four consulting/non-voting members (the 'Non-Voting Members'). One Voting Member of the Advisory Board is female and the other four Voting Members are male. Three of the Non-Voting Members are female and the other Non-Voting Member is male. The Voting Members comprise members with long-standing experience in senior positions from relevant industries such as pharmaceuticals, consumer goods, advertising, legal, human resources and auditing. The Non-Voting Members are Shareholders or family members of the Shareholders.

### Election of the Advisory Board Members

**GRI 2-10**

The limited partners of the Ultimate Parent Company (the 'Shareholders') and the shareholder of the GmbH, respectively, elect the members of their relevant advisory board (Beirat). In accordance with the partnership agreement of the Ultimate Parent Company, the members of the advisory board of the Ultimate Parent Company and the advisory board of the operational GmbH (the 'Advisory Board') have to be identical. The Voting Members of the Advisory Board are elected by a simple majority. For the election of persons who are shareholders, a majority of two thirds is required.

## The Corporate Executive Board

As a limited liability company, the GmbH is managed by its managing directors (Geschäftsführer), who are appointed by the Advisory Board and who together form the Corporate Executive Board. According to the Articles of Association of the GmbH, if only one managing director has been appointed, he or she shall represent the GmbH alone. If more than one managing director has been appointed, the issuer shall be represented by two managing directors jointly or by one managing director and one authorised representative (Prokurist) jointly. The managing directors (Geschäftsführer) regularly report to the Advisory Board as described in above section, 'The Advisory Board'. There is regular reporting on economic, environmental and social issues as well as on ESG Risk Management.

## Performance Evaluation and Remuneration Determination of highest Governance Body

### GRI 2-18, GRI 2-19, GRI 2-20

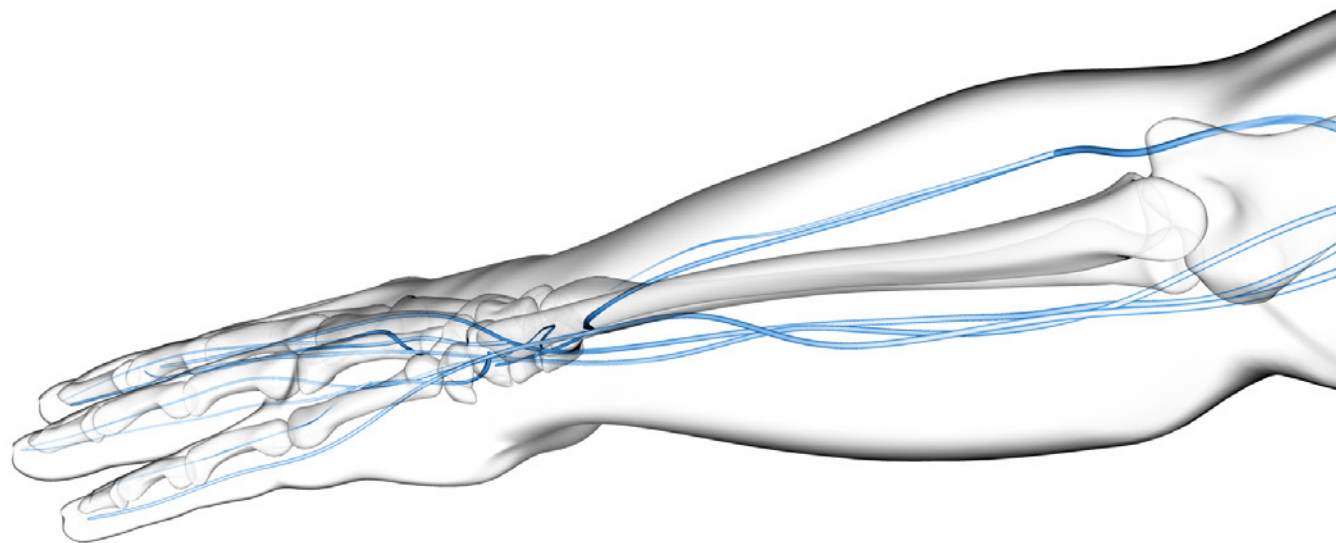
The Advisory Board has a personnel committee (Personalausschuss). This committee is responsible for preparing the resolutions of the Advisory Board on the appointment and dismissal of the members of the Corporate Executive Board, and resolutions on the conclusion, amendment and termination of their employment contracts. The personnel committee is made up of three members of the Advisory Board and external members. The external members of the Personnel Committee have

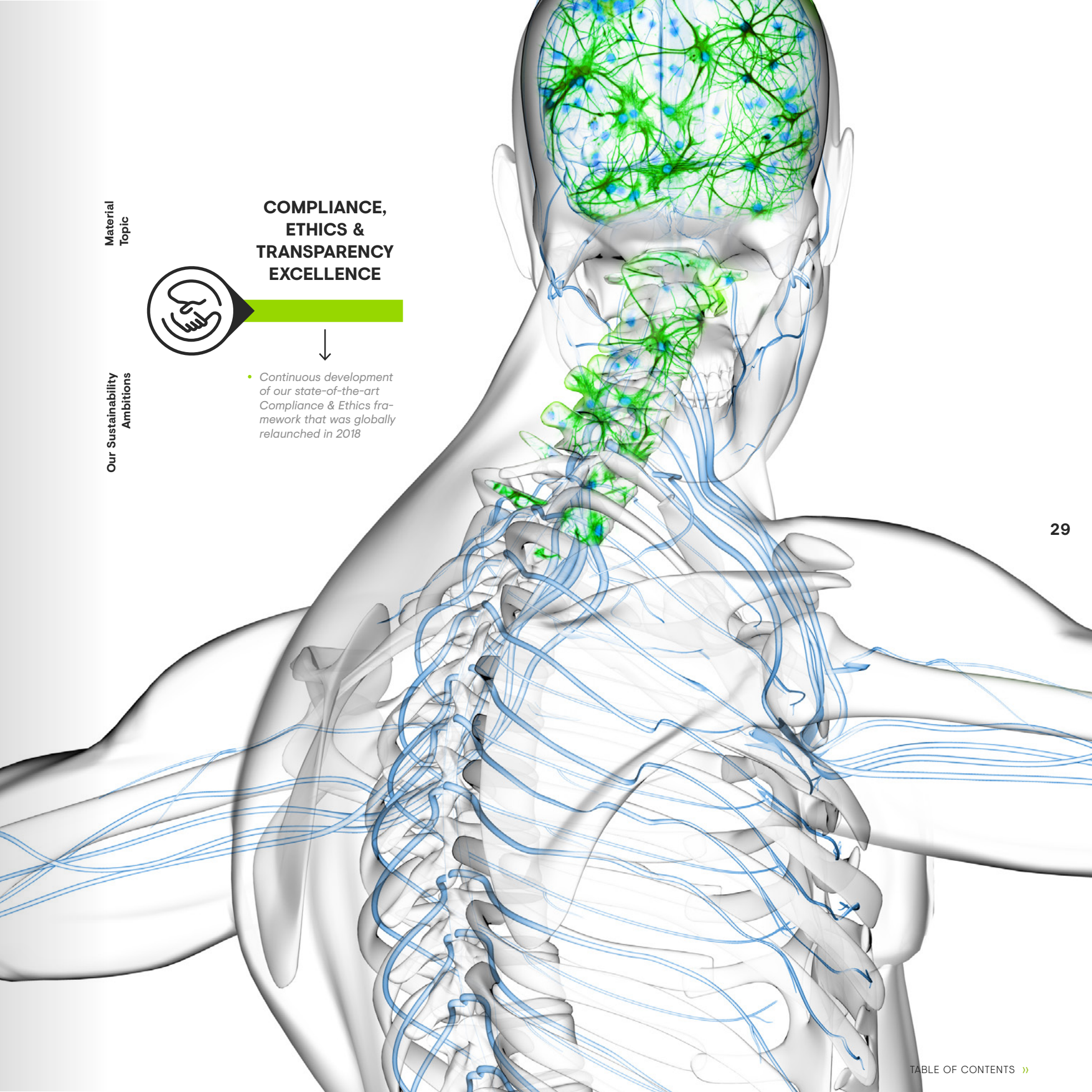
long-standing experience in senior positions from relevant industries such as legal, human resources and auditing.

According to the Company's bylaws, our Corporate Executive Board members' terms of office can be up to five years. Re-appointments are possible. Our Advisory Board has adopted the custom of appointing Corporate Executive Board members for a maximum of three years for the first term.

The objectives of the Corporate Executive Board members reflect the measures of success according to the company objectives, such as pipeline progress, profit and revenue, debt payback and organisational development. The remuneration elements include both a fixed and variable part. All elements are benchmarked against the market median for peers in the EU pharma industry (for example turnover, number of employees, R&D) and are based on advice from external experts. The variable part of the remuneration is based on enterprise value creation, annual profitability and individual targets related to organisational objectives (according to company scorecard KPIs).

# COMPLIANCE, ETHICS & TRANSPARENCY





Material  
Topic

**COMPLIANCE,  
ETHICS &  
TRANSPARENCY  
EXCELLENCE**



- *Continuous development of our state-of-the-art Compliance & Ethics framework that was globally relaunched in 2018*

Our Sustainability  
Ambitions

# COMPLIANCE, ETHICS & TRANSPARENCY

**We see it** as our fundamental responsibility to act with integrity and maintain the highest ethical standards in everything we do. Our aim is to build trust and give confidence to patients, employees, partners and the communities we serve. Our Compliance & Ethics framework provides a clear governance and structure for our actions and is built around our Code of Conduct.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

For us, Compliance, Ethics & Transparency go hand in hand, build on each other and are deeply anchored in our culture. This is why excellence in this area is a material topic for us:

## COMPLIANCE, ETHICS & TRANSPARENCY

**Maintaining excellence** in the areas of compliance, ethics and transparency is at the core of our daily business operations. We aim to operate at high ethical standards and continually strive to do better.

### Compliance

Our Compliance Organisation is an integral part of our daily business. Dedicated Compliance Officers serve on decision-making bodies across the organisation. Their independence is maintained through a direct reporting line to the Chief Responsibility Officer, who reports to the Corporate Executive Board and to the Advisory Board.

A continual dialogue at Grünenthal brings our global Compliance & Ethics framework to life. This includes face-to-face training and workshops, remote and on-demand training as well as day-to-day consulting. We manage our business partners based on internal analysis

and risk-rating and require them to act lawfully and with integrity in line with this framework. An Ethics Helpline Tool is accessible 24/7 to both our employees and external parties to raise questions, concerns or doubts.

By having a robust Compliance & Ethics framework that is integrated into Grünenthal's business processes, we ensure that risks are identified and managed to avoid negative impact to the company and its stakeholders.

### Our global Compliance Management System

**GRI 2-15, GRI 2-16, GRI 2-23, GRI 2-24, GRI 2-25, GRI 2-26**

Grünenthal has established a comprehensive global Compliance Management System comprising Compliance, Business Ethics and Opioid Liability Risk Management.

The Compliance & Ethics framework is comprehensive, based on a Code of Conduct and includes a set of compliance policies with a focus on our key risk areas (see box). It relies on

group-wide processes including obtaining approvals before engaging with the healthcare organisations or healthcare professionals, reviewing promotional and non-promotional content, and reporting non-compliance. Features are continually added to keep the Compliance Management System up to date and in line with regulatory, political and social developments.

### Our global Compliance Policies on

- Ethics Helpline
- Anti-Corruption
- Business Partners
- Healthcare Interactions
- Patient Interactions
- Promotion & Marketing
- Research & Development
- Data Protection
- Fair Competition
- Dawn Raid
- Code of Conduct for Business Partners
- Anti Money Laundering
- Foreign Trade
- Trade Secrets

### Dedicated Compliance Organisation

Grünenthal's dedicated 'Compliance Organisation' consists of a Chief Responsibility Officer, a team of Compliance Officers as well as local Compliance contacts. The Compliance Organisation is the central actor within the global Compliance Management System. It is responsible for advising and training our colleagues and our

business partners worldwide and for conducting investigations into alleged compliance violations.

The Chief Responsibility Officer reports on a regular basis and as needed to the Corporate Executive Board and the Advisory Board, providing detailed updates on training, healthcare interactions, audits, current developments and the status of reported alleged compliance incidents, as well as critical concerns. Both Boards are active decision-makers in issuing strategic directions regarding the Compliance Management System.

At regional and local level, regular reporting and consulting on Compliance topics is ensured via the Compliance Officers who are part of the regional and local leadership teams.

Ethics Committees are established as needed to decide on measures to be taken after a reported compliance incident has been investigated. Regional and local Ethics Committees take decisions about regional and local Compliance incidents, whereas the Global Ethics Committee is in charge of all Compliance incidents that have a major impact, such as the involvement of senior management and systemic or impactful Compliance violations.

### Code of Conduct and Key Compliance Policies

Our Code of Conduct is the centre-piece of our Compliance Management System. It lays out our high standards in legal, ethical and responsible business conduct, including topics such as conflicts of interest, anti-corruption, human

rights and data privacy. These basic principles on how we run our business operations are detailed in our global Compliance Policies. Our business partners are handled according to our Business Partner Policy and may be required to sign our Code of Conduct for Business Partners.

Our Code of Conduct and our Code of Conduct for Business Partners are publicly accessible.

[www.grunenthal.com/en/responsibility/compliance-ethics-and-transparency](http://www.grunenthal.com/en/responsibility/compliance-ethics-and-transparency)

In addition to this Compliance & Ethics framework, we have established a comprehensive Opioid Responsibility Framework (see 'Our Approach to the Responsible Use of Pain Medication' in chapter 'PATIENT – THE PEOPLE WE SERVE') to mitigate risks related to our product portfolio.

## Communication and Training

All new employees receive standardised online training on our Code of Conduct and on our Compliance & Ethics framework in general. Furthermore, on an annual basis, the Corporate Executive Board approves a training matrix that contains mandatory Compliance training courses for all our employees. These courses are target-groups specific and cover key topics such as 'Healthcare Interactions', 'Data Privacy', 'Business Partner Compliance' and 'Use of Social Media'. Additionally, there is training on topics that are identified as locally relevant such as local code requirements. The Compliance Policies and all relevant training materials are available in several languages, including English, German, Spanish, French, Italian and Portuguese.

To meet changing requirements, we are continually developing new training courses and updating existing ones. Our current portfolio consists of various training formats (see box).

Concrete figures on the two main training courses related to Compliance, Ethical Behaviour and Anti-corruption – Code of Conduct/Corporate Responsibility/Conflict of Interest (CCC) eLearning and Healthcare Interactions (HCI) training – can be found in the section 'Ethical Business within Grünenthal and its Supply Chain'. Training figures for our Opioid Responsibility Framework are reported in the 'PATIENT – THE PEOPLE WE SERVE' chapter in the section 'Our Approach to the Responsible Use of Pain Medication'.

## Our regular Compliance Training Sessions:

### CCC eLearning:

- Code of Conduct/Corporate Responsibility/Conflict of Interest

### Face-to-Face:

- Anti Money Laundering
- Behaviour in case of a Dawn Raid
- Business Partner Compliance
- Case Handling
- Compliance/Opioid Responsibility@Commercial Partners
- Compliance & Ethics in Procurement
- Consent Management & Omnichannel Model
- Corporate Digital Responsibility
- Data Privacy
- ESG / Corporate Responsibility Programme
- Foreign Trade Compliance
- Healthcare Interactions (HCI)
- Onboarding Compliance Training
- Opioid Responsibility
- Promotional and non-Promotional Content Creation and Management
- Responsible Use of Chat Platforms
- Supply Chain Act
- Third Party Due Diligence
- Trade Secrets

## Our Whistleblowing Process and Disciplinary Measures

Our employees are expected to report any behaviour that is not in line with our Code of Conduct, our Compliance Policies, local laws and regulations, or professional or industrial guidelines and directives. Such reports can also be made anonymously. Several reporting options are available for employees, and some are also open for external stakeholders such as business partners and local communities:

1. Speaking to a manager,
2. Contacting HR, the legal department, the works council or the Compliance Organisation,
3. Using the Ethics Helpline, a web-based whistleblowing system complemented by a telephone hotline and available 24/ 7 in seven languages. Employees or external stakeholders can seek advice and raise concerns personally or anonymously.

Reported incidents will be investigated discreetly and neutrally by the Compliance Organisation, in accordance with applicable data protection laws. Depending on the allegations, Global Compliance will decide whether the Corporate Executive Board and/or the Advisory Board are to be informed. Both Boards are informed about all Compliance investigations in the course of the regular reporting. Other departments will be involved where appropriate. The responsible local or global Ethics Committee decides on the appropriate disciplinary and other measures once an investigation has been concluded. Employees who raise reasonable concerns



in good faith will be protected, and retaliation against such employees is treated as a Compliance violation. There were no critical concerns during the reporting period.

### Compliance Audits

Compliance audits are regularly conducted by the Internal Audit department, with detailed audit plans being approved by the Corporate Executive Board and by the Advisory Board for the upcoming audit period. In addition, the Internal Audit team also conducts audits as required in case of suspected irregularities that do not fall within the scope of a possible Compliance violation. Furthermore, the Internal Audit team prepares so-called spot checks on a variety of Compliance topics. These spot checks are conducted as self-assessments on the implementation of various Compliance measures (such as training, documentation of Business Partner checks, approvals of donations) by the respective Compliance Officers.

### Compliance with Laws and Regulations

**GRI 2-27, GRI 416-2**

In the reporting year, there was no significant case of non-compliance with laws and regulations.

### Ethical Business within Grünenthal and its Supply Chain

We are committed to conducting business in a legal, ethical and responsible manner. We have a strict Anti-Corruption

Policy, clear Social Supplier Standards and a state-of-the-art framework for Corporate Digital Responsibility.

### Anti-Corruption

**GRI 205-1, GRI 205-2, GRI 205-3, GRI 206-1**

Our Anti-Corruption Policy, our Health-care Interaction Policy and our Patient Interaction Policy govern how to interact with external stakeholders such as suppliers, doctors, patients and consultants in a fully transparent and appropriate way. Clear examples illustrate to our employees how to avoid even the appearance of improper influence both when they are on the 'giving' and also the 'receiving' end. Our global policies are complemented by local implementation rules, contract templates for standard transactions and a fair market value tool to avoid overcompensation. We provide a clear framework of rules, approval requirements, documentation tools, training and personal advice. This ensures a consistent and effective operationalisation of our anti-corruption and anti-bribery policies in all our activities, no matter if simple or highly complex.

At regular intervals, Compliance audits are carried out by the Internal Audit department to assess the corruption risks of our individual entities. Besides the regular risk assessments, there were four site assessments in the reporting year. No significant corruption risks were identified.

### Third Party Due Diligence Assessments

Grünenthal has implemented a comprehensive Third Party Due Diligence process to ensure that risks related to Compliance and Business Ethics among our business partners can be avoided or managed appropriately. Business partners undergo Compliance screening on a risk-based basis.

Of the total number of active Business Partners in the reporting year, 40 were

classified as High-Risk after a thorough Business Partner Compliance assessment performed in 2022 or in the preceding years. In addition, three Third Parties were classified as 'No-Go' Business Partners in 2022.

Based on the individual risk level determined in our Third Party Due Diligence process, suppliers and sales-side business partners such as distributors are required to sign our Code of Conduct for Business Partners (BPCoC). This obliges our business partners to

follow our own Code of Conduct principles and grants us audit and termination rights in case of non-compliance. When contracting with medical business partners such as doctors or university hospitals, we use standardised contract templates that enable us to require them to comply with the principles of our Code of Conduct and our Healthcare Interaction Policy.

### Third Party Due Diligence Metrics

#### PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)

2019 – 2022

Number of active business partners<sup>1</sup> in 2022 and that underwent a Third Party Due Diligence Assessment and breakdown by risk level

Total assessments: **3,943**  
with the following breakdown:  
Low risk: **3,268 (83 %)**  
Medium risk: **635 (16 %)**  
High risk: **40 (1%)**

Number of business partners that were considered a 'No-Go' in 2022

**3**

A large majority of the business partners contracted by Grünenthal in 2022, therefore considered active business partners, were classified as low risk (more than 80%). Mitigating measures were put in place for medium and high risk business partners. In 2022, Grünenthal decided not to enter into a business relationship with three business partners based on compliance and/or reputational reasons.

### Monitoring Corruption

No confirmed cases of corruption were identified at the Grünenthal Group itself either in the reporting year 2022 or in the previous year<sup>2</sup>. Furthermore, there were no legal actions pending or completed during the reporting period or the previous year<sup>2</sup> regarding anti-competitive behaviour and violations of anti-trust and monopoly legislation in which the organisation has been identified as a participant.

### Training in Anti-Corruption

Our comprehensive Anti-Corruption framework as described above is regularly communicated to our employees and to our Executive and Advisory Board members.

All employees and the Corporate Executive Board team receive anti-corruption training via our newly launched eLearning with modules on Code of Conduct, Conflict of Interest and Corporate Responsibility ('CCC eLearning'), and via our target-specific Healthcare

Interactions Training ('HCI Training').

The CCC eLearning must be completed by every employee. All employees had to take the course at its launch; for new employees it is part of the onboarding process.

Our HCI Training covers Anti-Corruption and Anti-Bribery in the healthcare sector specifically. All employees who interact with healthcare professionals, healthcare organisations and/or patients receive this training regularly as these interactions bear the highest corruption risks in the context of

Grünenthal's business. Employees with high exposure to healthcare professionals must complete the training annually. The CCC eLearning must be completed by all our employees except production employees. The CCC eLearning has replaced the former Code of Conduct

eLearning and was launched in August 2022 in headquarters and the German-speaking core markets (DACH region – Germany, Austria, Switzerland), and was rolled out in all other Grünenthal regions except US in September 2022. In the US, the CCC eLearning was

rolled out in October 2022. **The completion rate of this target group was 96% at the end of 2022 and 100% by end of February 2023.** New employees are continually added to the course and trained as part of the onboarding process.

### Number of Employees in the relevant Target Groups receiving Training in 2021 and 2022

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	2022	2021 <sup>2</sup>
<b>eLearning</b>	Code of Conduct, Conflict of Interest and Corporate Responsibility ('CCC') eLearning (initial rollout) <sup>3</sup> Module 1 (Corporate Responsibility): <b>3,241</b> Module 2 (Code of Conduct): <b>3,252</b> Module 3 (Conflict of Interest): <b>3,235</b>	Code of Conduct eLearning (new employees, refreshers and carry over)      <b>415</b>
<b>HCI-Training (coverage of specific target group, by region):</b>		
Germany, Austria, Switzerland and Headquarters:	100 % (268/268)	100 % (256/256)
Portugal and Spain:	99 % (199/201)	99 % (208/211)
Italy:	100 % (116/116)	100 % (199/199)
France <sup>4</sup> and Benelux:	100 % (79/79)	100 % (110/110)
UK, Ireland and the Nordics:	100 % (65/65)	100 % (78/78)
Latin America:	97 % (689/710)	99 % (679/688)
US:	100 % (22/22)	100 % (67/67)

We were able to significantly increase the number of employees receiving compliance related training. HCI Training coverage of the relevant target group exceeded 95 % in all regions, safeguarding the relevant awareness of compliance issues at Grünenthal.

<sup>1</sup> Active Business Partners refers to all creditors and debtors that had financial transactions with Grünenthal in the reporting year.

<sup>2</sup> 2021 figures are not in the scope of the limited assurance audit for 2022

<sup>3</sup> Methodology: We have disregarded all 'inactive' employees, regardless if they did or did not complete any of the modules. We have disregarded employees assigned via 'GRT-All' job code, that was initially attributed by mistake, regardless if they did or did not complete any of the modules. The employees have received the training via other job codes later on. We have considered as 'completed' those who have completed all three modules.

The slight difference in the total number of trainees per module is a result of the system we used in headquarters, where employees had the choice between a German and English version and some started courses in both languages, but completed them only in one.

<sup>4</sup> The training materials used in France differed from the global training slide-deck due to local requirements. Nevertheless, they do capture all relevant anti-corruption aspects and cover the scope of the global training.

### Social Supplier Standards

Through the implementation of a rigorous governance process, we want to meet or exceed the required social standards throughout our business operations and supply chain. In particular, we are in the process of implementing a comprehensive Responsible Sourcing Programme to meet all the requirements of the German Supply Chain Act (Lieferkettensorgfaltspflichtengesetz). This imposes significant due diligence obligations on companies in

Germany to ensure that human rights and environmental standards, such as child labour, occupational health and emissions of hazardous substances, are adhered to throughout the entire supply chain.

Furthermore, we continued our intense training and communication campaign and we made all internal arrangements to appoint a Human Rights and Environmental Officer in 2023, who will be responsible for monitoring all related activities at Grünenthal.

### Statement on Human Rights according to § 6 paragraph 2 of the Act on Corporate Due Diligence Obligations in Supply Chains (Lieferkettensorgfaltspflichtengesetz – LkSG)

To minimise the risk of being in business with parties that do not respect human rights and environmental standards, we proactively screen and manage our supply chain with a whole range of measures that are integrated in our operational business processes globally. Based on risk factors such as the category of the supplier, these are: suppliers of finished products or of goods necessary to produce Grünenthal products; suppliers of labour-intensive services necessary to produce or deliver Grünenthal products; suppliers of goods or services that are necessary for R&D activities, except consultancy services; and suppliers that are established in a country with developing environment/human rights standards. We carry out specific ESG Third Party Due Diligences with a focus on human rights aspects and environmental standards.

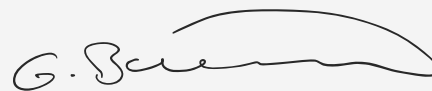
Risk evaluation is carried out jointly with the business, while mitigation measures are driven by Procurement in cooperation with the suppliers. Our suppliers have access

to our whistleblowing system 'Ethics Helpline', and are encouraged to raise any concerns they may have.

Human rights are an integral part of our comprehensive Compliance & Ethics framework, and are embedded in our training, control and remediation mechanisms. There is a clear expectation towards our suppliers and employees to proactively watch for, flag and mitigate any risks in the human rights and environmental area. This is a task that can only be achieved if everyone in our ecosystem contributes.

### Member of UN Global Compact

We are committed to respecting and promoting human rights. Grünenthal does not accept harassment or any form of discrimination on grounds such as gender, race, nationality, age, religion, sexual orientation, physical appearance, social origin, disability, union membership or family status.



**Gabriel Baertschi**  
Chief Executive Officer

## Data Security, Protection and Ethics

We handle all personal data responsibly. Data security, data protection and data ethics build on each other.

We have strict global policies aimed at maximising data security. These cover all aspects of IT security and cyber security. We ensure that all data is protected as well as possible through appropriate technical and organisational measures. The technical dimension of this protection is owned by the Global IT department, operating in close cooperation with our Global Data Protection Team.

Furthermore, by means of a sound set of legal instruments, we ensure that all personal data is handled according to General Data Protection Regulation (GDPR) standards wherever applicable. We have an internal Global Data Protection Officer who is supported by a

global network of internal and external Data Protection Officers and Data Protection Coordinators. Our Data Protection framework covers any business operation, spanning from the processing of highly sensitive clinical trial data from trial subjects to daily standard transactions such as answering data subject requests. All of the above-mentioned principles are laid out in our Global Data Protection Policy. Beyond complying with the legal requirements relating to handling data, we also act responsibly, which means in line with our high ethical standards. To provide clear guidance for our employees about data ethics, we have created our Corporate Digital Responsibility framework.

## Corporate Digital Responsibility

Our Corporate Digital Responsibility framework translates the values and ethical principles set out in our Code

of Conduct to our digital activities. It enables us to take control of our digital footprint by defining a positive digital reputation and it safeguards profound data governance.

The core document is our Digital Ethics Charter, which sets a gold standard for how we behave when using digital channels. The charter is operationalised via various guidance documents and toolboxes that we are developing in dedicated cross-functional working groups. Examples of such guidance include the responsible use of machine learning in research activities, transparent consent management and responsible use of social listening. In 2022, we developed and finalised a training campaign on the basis of digital ethics and digital literacy that will be rolled out in 2023.

## Key Achievements in 2022 and Plan for 2023 – Digital Ethics at Grünenthal

### Achievements in 2022

- **Finalisation of** nearly all working group **deliverables**
- **Training** on finalised deliverables already **planned**
- **Decision proposals and endorsements** were presented to the DigiCom
- Creation of a **new working group on Grünenthal websites**
- Definition of three operational pillars: **(1) Digital Outreach; (2) Communication & training; (3) Analytics**

### 2023 Plan

- **Strengthen governance** process
- Roll out pending/planned **training**
- Set up **new working groups**
- Consolidate a **digital community at Grünenthal**
- **Enhance measurability** across the three pillars: Digital Outreach, Analytics, Communication & Training

## Digital Ethics Training Campaign

It is very important for our office-based employees to be well informed on the various topics in Digital Ethics. In 2023 we are planning training on digital topics such as the use of Social Media, our Consent Management Center and Digital Literacy on Websites. This training is held by virtual classrooms or videos as part of our Learning Management System and is mandatory for the respective target groups. In 2022 we have already successfully completed an employee training session on Remote Interactions as part of our new governance process.

The training on Digital Literacy on Websites, which is expected to take place in the first semester of 2023, explains the key concepts of dealing with websites in an easy language. It highlights the importance of enhancing our digital outreach, preserving our digital footprint and ensuring information security. It will be launched in seven languages and be mandatory for all office-based employees globally.

We currently have around 200 active websites globally. A new governance process for setting up, maintaining or deactivating websites was designed in 2022 and it is currently being rolled-out globally. This process helps to ensure that only websites that are in line with our Digital Ethics Framework remain active.

For more information, see:  
[www.grunenthal.com/en/responsibility/compliance-ethics-and-transparency#ethicalbusiness](http://www.grunenthal.com/en/responsibility/compliance-ethics-and-transparency#ethicalbusiness)

## Our Digital Ethics Charter – We live Digital Ethics

- Human beings keep oversight and accountability of our digital activities.
- Safety and security are embedded in all our digital activities as cornerstones to protect our values.
- We can explain all our digital activities.
- Our digital activities do not cause bias or discrimination.
- Digital ethics are engrained in our decision-making processes.
- We only undertake digital activities that are in line with this Charter.

To steer our Digital Responsibility efforts, we have a specific governance structure, including a Digital Ethics Steering Committee, that consists of senior management and is chaired by the Chief Responsibility Officer. The Digital Ethics Steering Committee helps to identify new use cases in our ever-evolving digital business operations, facilitates efficient operationalisation of our Digital Ethics Charter and aligns with the Corporate Executive Board on an ongoing basis.





## Bioethical Framework for Research

The Grünenthal R&D organisation is committed to the highest bioethical standards in its preclinical research activities. A Bioethical Framework for Research was established in December 2021 to set out the principles, processes and governance to support three key areas of preclinical activities:

1. **Animal Welfare:** helping to ensure that all animal research is conducted to the highest international standards, follows all applicable laws and regulations, and that animal use is considered within the Replacement, Reduction and Refinement principles.<sup>1</sup>
2. **Human Biology Samples:** helping to ensure that human samples used for research are consented for use, adhere to all applicable laws and regulations, and that donor privacy is protected.
3. **Emerging Technologies:** helping to ensure that the allowed preclinical use of new and advanced biological and technological methodologies (for example genetic engineering, stem cells, nanotechnology) is defined, follows applicable laws and regulations, and additionally considers their potential wider societal and environment impacts.

Governance of the framework is executed through the Bioethics Steering Committee (BSC), which reports to the Executive Board through its Chair, who is the Chief Scientific Officer. The oversight of Emerging Technologies is directly managed by the BSC. Two working groups, reporting to the BSC, are each responsible for Animal Welfare and Human Biological Samples.

During 2022, the entire Research Organisation (around 100 members) received training on the Bioethical Framework, the working groups met at least monthly and reviewed more than 110 work requests, and the BSC met quarterly to review implementation progress and to support working group activities.

The promotion of bioethical research has encouraged innovation through investment in new technologies and tools such as the developments of computational approaches to improve the prediction of drug toxicology, and in-vitro cellular models that mimic human pain circuitry. Together these areas complement and support Grünenthal's aim to develop safe and effective treatments for pain.

<sup>1</sup> The 3Rs principle [https://www.bfr.bund.de/en/3r\\_principle-194147.html](https://www.bfr.bund.de/en/3r_principle-194147.html)

## Transparency

For Grünenthal, being fully transparent is a crucial success factor in earning the trust of our stakeholders. We meet our transparency requirements in three key areas:

### Clinical Trials Transparency

We share clinical information that is necessary for conducting legitimate research, serving patient safety and improving public health. We have publicly committed to the Principles for Responsible Clinical Trial Data Sharing that were issued in January 2014 by the European Federation of Pharmaceutical Industries and Associations (EFPIA) and the Pharmaceutical Research and Manufacturers of America (PhRMA). More information on Clinical Trials is published on Grünenthal's corporate website:

[www.grunenthal.com/en/research-and-development/clinical-trials](http://www.grunenthal.com/en/research-and-development/clinical-trials)

### EFPIA Disclosure Code and Disclosure of Transfer of Values

We are member of the European Federation of Pharmaceutical Industries and Associations (EFPIA) and support the EFPIA Disclosure Code. We are committed to publishing information about our collaboration with healthcare professionals and healthcare organisations to demonstrate that we interact with these stakeholders in an ethical and transparent way.

All interactions and transfers of value are disclosed in line with either the EFPIA Disclosure (Transparency) Code, local pharmaceutical codes or national legislation implemented by organisations such as healthcare authorities.

More information is published on Grünenthal's corporate website:

[www.grunenthal.com/en/responsibility/compliance-ethics-and-transparency/efpia-disclosure](http://www.grunenthal.com/en/responsibility/compliance-ethics-and-transparency/efpia-disclosure)

### Tax Transparency

Good corporate governance and compliance is of highest priority at Grünenthal, and also shapes the attitude we take in managing our tax affairs globally.

## Good corporate governance and compliance shapes the attitude we take in managing our tax affairs globally

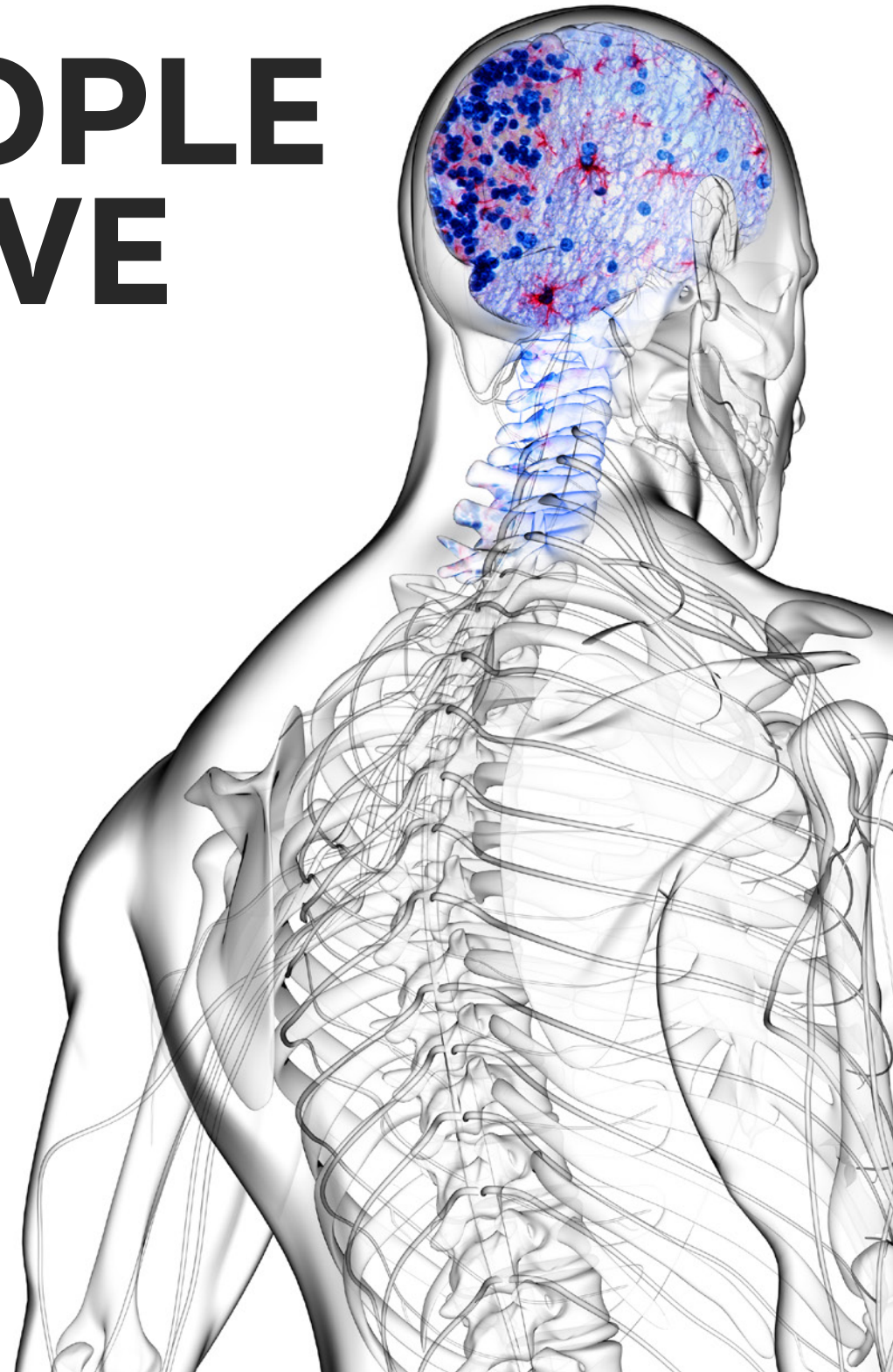
We consider good governance of our tax affairs to be an ongoing and evolving process in a continuously fast-moving global tax landscape. Grünenthal acts in compliance with local and international tax regulations and is guided by relevant international standards such as the OECD Guidelines, BEPS Reports and BEPS action plans. This means:

- We are committed to comply with the spirit as well as the letter of the law.
- We aim to pay the right amount of tax in compliance with all relevant local and international tax laws and regulations and do not tolerate any form of profit shifting, tax fraud or facilitation of tax evasion.
- We are committed to align our tax contribution with the value we create in the countries we operate in.
- As a good corporate citizen, Grünenthal considers taxes and duties as an important part of its social responsibility.
- We are committed to ensuring that Grünenthal's tax affairs are responsibly managed, and that we are consistently recognised by all our stakeholders as a responsible and reliable taxpayer.
- In the event that applicable laws and regulations are subject to interpretation, we seek appropriate assurance regarding the position taken either through consulting with advisers or through advance rulings or pricing agreements with the relevant tax authorities.
- Grünenthal aims to achieve and maintain respectful relationships with the tax authorities, and we are committed to transparent and constructive relationships with all relevant authorities.





# PATIENT – THE PEOPLE WE SERVE





## RESPONSIBLE USE OF PAIN MEDICATION

- Continuous development and improvement of Grünenthal's leading opioid responsibility framework (the 'Opioid Responsibility Framework')
- Continuous expansion of the network of Business Partners committed to the Opioid Responsibility Framework for Business Partners
- Further expansion of the CHANGE PAIN™ (CP) hub, 'CP Responsibly', featuring Grünenthal and independent Responsible Use of Pain Medication educational resources
- Postponed launch of an educational expert forum on Responsible Use of Pain Medication in Latin America from the end of 2022 to end of 2024 (with a pilot to bridge until then), to be recognised as the platform for Responsible Use of Pain Medication by international healthcare professionals (HCP) by the end of 2026<sup>1</sup>

## AWARENESS & ACCESSIBILITY

- Increase the focus, reach and impact of our global and local Awareness & Accessibility activities by aligning them strategically under one global platform
- By having a clear strategy regarding governance, transparency and accountability, we ensure that our Awareness & Accessibility initiatives have a lasting impact on patients' lives
- Use the global network to collaborate with external partners to identify best leverage opportunities for our unique expertise to have a lasting impact on improving pain management

## RESPONSIBLE INNOVATION

- Reduce cycle time and resources required for de novo candidate discovery through machine learning (ML) (baseline 18 months; goal in 2025, 14 months)
- Improve clinical trial design through ML-based patient phenotyping (baseline 0 trials; goal in 2025, 2 trials)
- Improve understanding of treatment effect in clinical studies and post-approval, through objective measurement of mobility and sleep (baseline 1 study; goal in 2025, 2 studies)

## PRODUCT GOVERNANCE & SAFETY

- 97% of 'on-time' submissions to authorities globally for individual Case Safety Reports (ICSR)
- Maintain or exceed the current level of recognised compliance with global pharmacovigilance standards
- 100% compliance with the International Conference on Harmonisation-Good Clinical Practice (ICH-GCP) standards and other applicable ethical standards

<sup>1</sup> We are currently shifting towards being more customer centric across the organisation. We are embedding set-up of the Expert Forum in the change process and are therefore delaying its go-live.

# PATIENT – THE PEOPLE WE SERVE

**Having access** to appropriate pain treatment is a basic human right. Chronic pain, in particular, is a common, complex and distressing problem whose impact on patients, caregivers and societies continues to be underestimated. It frequently presents as a result of a disease or an injury. However, it is not merely an accompanying symptom, but rather a disease in its own right. Access to pain management at the end stage of a person's life is another cornerstone in preserving human dignity.

Chronic pain and palliative care are two areas in which adequate education, societal awareness and accessibility to appropriate treatment still need to be increased – no matter where in the world. As a leader in pain management, we help to educate healthcare professionals (HCP) and patients on how to use these medicines responsibly. We also raise awareness about pain and its impact on patients, families and society and increase accessibility to current treatments while developing new medicines for unmet medical needs. Grünenthal's focus on the patient is also the core of our sustainability work with four material topics, all following our vision of a World Free of Pain:

## RESPONSIBLE USE OF PAIN MEDICATION

**Our approach** to the Responsible Use of Pain Medication is built on three pillars that form the basis of our business relationships: strict governance, close involvement of our business partners and education on pain medication for HCPs and patients.

## AWARENESS & ACCESSIBILITY

**Raising awareness** and enabling access to pain medication is a core focus area for us. Our goal is to ensure that pain is acknowledged as a disease in its own right, and therefore to ensure access to appropriate medicine to treat pain. We strive to raise awareness and accessibility via various initiatives that we bundle and boost in one holistic Awareness & Accessibility platform.

The platform is established via three pillars: A global governance structure, globally aligned content and formats,

and a communication and training based roll-out plan.

The global governance structure is based on a Global Awareness & Accessibility Working Group that interacts with all relevant decision bodies such as the Executive Board Team, the Commercial Leadership Team and the Corporate Responsibility Board to make strategic and operational decisions on the programme. Furthermore, the Working Group produces content and formats, rolls out initiatives and supports affiliates in implementing the Awareness & Accessibility activities locally.

We streamlined five different categories of Awareness & Accessibility activities and are launching aligned content in orchestrated initiatives in 2023. This launch is executed via a communication and training based roadshow that we will conduct in each of our regional clusters for further cascading. Grünenthal's five Awareness & Accessibility (A&A) activity categories:

- A&A Awareness Initiatives
- A&A Grants & Donations
- A&A Medical Education
- A&A Patient Programmes
- A&A Studies & Data Generation

## RESPONSIBLE INNOVATION

**Despite many years** of research, there is still pain that cannot be adequately treated. With our R&D, we contribute to the elimination of such unmet needs.

## PRODUCT GOVERNANCE & SAFETY

**Our products** are made to manage pain. Safe products and the highest product standards are essential.

### Our Vision – A World Free of Pain

Pain is a major burden for patients and society. According to scientific studies, more than 1.5 billion individuals suffer from chronic pain – which is almost one in five people worldwide<sup>1</sup>. The rapidly ageing population in developing countries is considered a factor that will increase the number of patients with chronic pain worldwide.<sup>2</sup>

As an example, the worldwide prevalence of acute and chronic lower back pain alone increased by 13.5% between 2010 and 2019.<sup>3</sup> Chronic pain affects the quality of life of many people. It is likely that most people know someone who suffers from chronic pain and while there are many approved treatments for chronic pain, finding the right treatment – one that balances efficacy (how well

the treatment works) with the side effects – remains a challenge.

If all other options are exhausted, patients may be offered strong opioids. While these can greatly improve patients' quality of life, they require appropriate regular monitoring and a minimum effective dose approach. We are actively engaged in gaining a holistic view across the value chain to provide all patients with the best possible treatment.

Addressing unmet medical needs in the treatment of all types of pain, and finding and developing new treatment options for breaking the pain cycle, is what drives us in our daily work at Grünenthal.

### Our Approach to the Responsible Use of Pain Medication

#### GRI 3-3

Developing and delivering medicines and solutions that address patients' needs and have the potential to improve their quality of life are our core objectives. Responsible use of pain medication is particularly important to us: it is fundamental that patients receive appropriate pain management, carefully weighing the benefits and risks of the available options.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics'). Among the wide range of pain treatments, one

option available to HCPs and their patients remains the use of opioid analgesics. As a manufacturer of effective analgesics, including opioids, we are committed to explore and endorse measures that minimise the risk of inappropriate and illegitimate use of prescription opioids – while striving to ensure that individual patients with a clear need for opioid-based pain relief are not denied access.

Our approach to the Responsible Use of Pain Medication has three pillars:

- **First pillar:**

A comprehensive Governance Structure for Responsible Opioid Usage

- **Second Pillar:**

The Commitment of our Business Partners

- **Third Pillar:**

Education on Responsible Use of Pain Medication, with our dedicated Impact Initiative

With these three pillars, we build a comprehensive Opioid Responsibility Framework that regulates our internal processes and at the same time involves our business partners effectively. In addition, we make considerable use of educational measures to inform about pain management and pain treatment. Together, we want to achieve personalised education on responsible use of pain medication, especially for HCPs to improve their patients' outcomes.

<sup>1</sup> Treede RD, et al. Pain. 2015 Jun;156(6):1003-1007

<sup>2</sup> Ali A, Arif A, Bhan C, et al. (September 13, 2018) Managing Chronic Pain in the Elderly: An Overview of the Recent Therapeutic Advancements; Cureus 10(9): e3293. DOI 10.7759/cureus.3293

<sup>3</sup> Global Health Metric Low back Pain; Lancet; Vol 396; Oct 17 2020: 168-169

### First pillar: A comprehensive Governance Structure for Responsible Opioid Usage

To anchor our stance on the responsible usage of opioids in terms of governance, the Responsible Opioids Usage Board is set up at senior management as well as at the regional and local level to support the Corporate Executive Board in the continual development of Grünenthal's ethical strategy related to opioids. It acts as a sounding board and escalation body for opioid-related projects as well as carrying out supervision of the local implementation of responsible opioid usage programmes. The Responsible Opioid Usage Board has developed a dedicated framework to ensure streamlined implementation of its programme.

### Our Opioid Responsibility Framework

- **Our Opioid Charter**

Grünenthal pledges not to support the off-label, inappropriate or non-medical use of analgesics, stating that the products are developed, commercialised and distributed in line with highest ethical and scientific standards, according to the Code and industry standards. Our Opioid Charter (The Grünenthal charter on the responsible medical use of opioid analgesics in pain patients) underpins Grünenthal's position on the responsible medical use of opioid analgesics in pain patients. Recognising the increasing pressure on social and healthcare systems caused by the illegitimate use of opioid analgesics, Grünenthal is committed to developing safer opioid and non-opioid analgesics and to reducing the risks of

non-medical use of its products to the greatest degree possible

A public version of the Opioid Charter is available online.

[www.grunenthal.com/en/about-us/products/opioid-products-for-the-treatment-of-pain](http://www.grunenthal.com/en/about-us/products/opioid-products-for-the-treatment-of-pain)

- **Our Opioid Communication Guidance**

The Opioid Communication Guidance lays down principles for promotional content, with a focus on ethical responsibility in relation to opioid usage. It explains what language and imagery can be used in promotional materials, presentations and publications to ensure comprehensive and fact-based contextualisation.

- **Our Opioid Statement**

Our Opioid Statement is a one-pager that highlights general considerations for the management of pain with any medication that contains an opioid mechanism of action including the risk-benefit profile of opioid analgesics. We use this statement in all opioid related promotional materials, including presentation slides, and video recordings of webinars, to clarify our position for all our stakeholders. The statement has been translated into six languages, covering our relevant target groups worldwide.

### Implementation of our Opioid Responsibility Framework

We have initiated several measures to implement our Opioid Responsibility

Framework: organisational measures have been put in place; targeted training has been conducted; and a risk-based approach to business partners has been established. Grünenthal has also critically reviewed its involvement in public initiatives and partnerships regarding opioids.

Additionally, we have established a strong review process for all new opioid related material, activities, partnerships and initiatives. All core and key documents with opioid related content, especially those for external use, now need to be reviewed by the ROU Board (Responsible Use of Opioids Board).

To raise Group-wide awareness regarding the responsible use of opioids and foster compliance with the guidelines of the Opioid Responsibility Framework, targeted training for all relevant employees has been and will be conducted annually, with training material translated and adapted for the respective jurisdictions. Furthermore, training on this issue has been integrated into the regular training schedule.

Our goal is the continual development and improvement of Grünenthal's leading Opioid Responsibility Framework.

### Number of Employees receiving (Refresher) Training on Grünenthal’s Opioid Responsibility Framework

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	ABSOLUTE NUMBER 2022	ABSOLUTE NUMBER 2021 <sup>1</sup>
Number of employees that received face-to-face training on Grünenthal’s responsible use of opioid-based medicines in the year	1,462	1,559

1,462 employees received the mandatory (refresher) training on Grünenthal’s Opioid Responsibility Framework in 2022.

#### Second Pillar: The Commitment of our Business Partners

We also commit our partners to the responsible use of our products through the Opioid Responsibility Framework for Business Partners.

We are classifying our commercial Business Partners into three different tiers according to their respective risk level. The risk factors used for this

classification include the types of products (for example opioid or psychotropic products), the Business Partner’s background and environment, and details of manufacturing and registration and the activities to be performed by the Business Partner.

Depending on the assigned risk level, mitigating measures could be applied such as specific contract clauses, monitoring and audit activities, compliance training and site visits.

### Opioid Responsibility Framework for Business Partners Communication and Commitment

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	% IN 2022 <sup>1</sup>	% IN 2021 <sup>2</sup>
Commercial Business Partners to which Grünenthal’s Responsible Opioid Usage Framework was communicated	100	100
Commercial Business Partners who formally committed to Grünenthal’s Responsible Opioid Usage Framework	78	79
Commercial Business Partners trained by Grünenthal on Grünenthal’s Compliance and Responsible Opioid Usage Frameworks	47	29

<sup>1</sup> Accumulated figures (i.e., 2021 and 2022)

<sup>2</sup> 2021 figures are not in the scope of the limited assurance audit for 2022

By actively communicating the risk level matrix and encouraging communication with our commercial Business Partners, we want to ensure the continual expansion of our network of partners committed to our Opioid Responsibility Framework for Business Partners. Until 2022 the Framework was communicated to 100% of the relevant commercial Business Partners<sup>1</sup> (2021: 100%), and 78% (2021: 79%) have formally committed to the Framework. Our target is to continually expand the network.

This means we have communicated the framework to all relevant commercial

Business Partners and most of them have already committed to using it. In addition, 47% of the commercial Business Partners have requested and received voluntary, in-depth training from Grünenthal.

Furthermore, we aim to ensure compliance with the Opioid Communication Business Partner Guidance by regularly reviewing relevant communications and documents.

### Clear Processes ensure Business Partners' Compliance with the Opioid Responsibility Framework

	<b>CONTRACT MANUFACTURING ORGANISATION CLIENT</b>	<b>DISTRIBUTOR 2<sup>ND</sup> CATEGORY</b>	<b>DISTRIBUTOR 3<sup>RD</sup> CATEGORY</b>
	<i>Commercial Partner that sells its own products partially/totally manufactured by Grünenthal, under a contract manufacturing agreement.</i>	<i>Commercial Partner that resells Grünenthal's products not including opioid containing products. Commercial Partner performs promotional activities.</i>	<i>Commercial Partner that resells Grünenthal's products including opioid containing products and/or non-opioid containing products of which Grünenthal is the Market Authorisation Holder. Commercial Partner performs promotional activities.</i>
Grünenthal Policies	✗ only best practice sharing	✓ equivalent standards	✓ equivalent standards
Compliance Training	✗ n/a	! ad hoc	✓ annual plan
Materials	✗ n/a	✓ review	✓ review
Transfer of Values	✗ n/a	✗ n/a	✓ pre-review
Monitoring	✗ n/a	! ad hoc	✓ annual plan
Auditing	✗ n/a	! ad hoc	! ad hoc
Termination Rights	✗ no additional rights	✓ additional rights	✓ additional rights

<sup>1</sup> Business Partners managed by Headquarters



### Third pillar: Education on Responsible Use of Pain Medication, with our dedicated Impact Initiative

Providing transparent education on the risks and benefits of pain medication is central for us in doing business responsibly. At Grünenthal, we have a long-standing tradition of educating HCPs on pain management to deepen understanding of patients' needs, on the one hand, and of the risks and benefits of pain medication, on the other. Therefore, Education on Responsible Use of Pain Medication as one of our Patient Impact Initiatives puts an even stronger focus on the topic.

### We educate HCPs and Patients in Pain Treatment and Pain Management with our CHANGE PAIN™ Initiative

Patients in pain need access to appropriate pain management, specifically selected for their individual situation and

needs. Physicians need to prescribe pain medications after careful consideration of the benefits and risks, and evaluate all available treatment options. Without proper HCP education on the responsible use of pain medications, there might be a higher risk of inappropriate use, including misuse, abuse and diversion, as well as the risk of addiction.

In 2009 we established our CHANGE PAIN™ initiative in 12 European countries. The initiative is endorsed by the European Pain Federation EFIC and Pain Alliance Europe (PAE). The initiative's mission is to improve patient outcomes by improving pain management through appropriate research, communication and education.

Regarding education, the purpose of the CHANGE PAIN™ initiative is to provide education to healthcare professionals. The goal is to build up know-how on responsible use of pain medicines among healthcare professionals for improved patient outcomes, thereby reducing

risks related to misuse of medication, and creating trust among patients and healthcare professionals.

Through the initiative, many tools have been developed to make doctors' daily practice easier, either by completing web-based learning modules or by attending workshops across Europe.

In 2022 we reached 51,784 healthcare professionals through educational events (2021: 1,687) and 591,425 visitors through our educational websites (2021: 92,109). This was part of our effort to educate the healthcare sector about pain management and improve patient outcomes from pain treatment by providing practical tools for pain therapy building on communication and education.

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	ABSOLUTE NUMBER 2022	ABSOLUTE NUMBER 2021 <sup>2</sup>
People impacted by our 'CHANGE PAIN™ Responsibly' Hub, including the number of:		
(i) educational event participants (virtual and physical)	50,786	1,687
(ii) website visitors in the year	580,968	92,109
Healthcare professionals who received in-person communication about Grünenthal's Responsible Use of Opioid-based Medicines	171,849	145,980

<sup>2</sup> 2021 figures are not in the scope of the limited assurance audit for 2022



Our next goal together with CHANGE PAIN™ is the further expansion of the ‘CHANGE PAIN™ Responsibly’ Hub. The CHANGE PAIN™ Hub serves as an externally recognised source for credible, balanced and non-promotional educational resources. Furthermore, the Expert Forum will enable healthcare professionals to discuss their challenges related to the Responsible Use of Pain Medication with experts. Our goal is to launch the Expert Forum by the end of 2024.<sup>1</sup> Lastly, we are providing grants for independent external Continuing Medical Education (CME) accredited modules that will complement the Global Hub and the Expert Forum.

## The CHANGE PAIN™ Journey of Grünenthal



Meeting patient needs through impactful pain medicine education



Coming up next



<sup>1</sup> We are currently shifting towards being more customer centric across the organisation. We are embedding set-up of the Expert Forum in the change process and are therefore delaying its go-live.

## Awareness & Accessibility

### GRI 3-3

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	ABSOLUTE NUMBER 2022	ABSOLUTE NUMBER 2021 <sup>1</sup>
Medical educational (non-promotional and non-branded) events performed or supported by Grünenthal in the year	111	130
Of which in Europe	57	93
Of which in the US	3	6
Of which in Latin America	51	31
Healthcare professionals supported by Grünenthal to participate in medical educational events (non-promotional and non-branded) in the year.	8,549	12,461
Of which in Europe	6,630	7,548
Of which in the US	52	57
Of which in Latin America	1,867	4,856
Patient Support Programmes in the year <sup>2</sup>	17	13
Projects with Patient Organisations in the year <sup>3</sup>	53	30
Total value invested by Grünenthal on Awareness & Accessibility initiatives in the year (in EUR)	4.4 million	No consolidated information available

Our mission is to improve lives by making pain management accessible and by raising awareness of pain as a disease. Two areas of special importance for us are access to adequate treatment of chronic pain and availability of palliative care. The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter

'ESG Management Approaches and Materiality Analysis, Material Topics').

In 2022, we strengthened our patient centricity and focused on Patient Support Programmes and Projects with Patient Organisations. Our efforts were separated from line business and received particular attention as a separate initiative. Significant resources were invested to raise awareness and to focus efforts on this topic.

## Total Value invested by Grünenthal on Awareness & Accessibility Initiatives in the Year (in EUR)<sup>4</sup>

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	NUMBER 2022
<b>Investments by region<sup>4</sup></b>	
Europe	2,010,759
Headquarters	893,302
US	706,502
Latin America	526,130
Corporate Centre	300,000
<b>Investments by category<sup>4</sup></b>	
Medical Education	1,831,511
Grants and Donations	645,677
Awareness Initiatives	624,250
Patient Programmes	288,947
Study and Data Generation	39,806

No categorisation done in US

As part of the Awareness & Accessibility platform, in 2022 we introduced a process that provides transparency about total value invested in Awareness & Accessibility initiatives across all countries in globally aligned categories. We are monitoring our Awareness & Accessibility initiatives quarterly and use for example the Commercial Leadership Team as a monitoring body regarding our ambitions in this area.

Due to country-specific management related to Covid regulation, the number of educational events shows differing trends when comparing 2021 with 2022 data. We are confident, however, that our effort to increase patient centricity will soon prove effective and will translate into significantly more patient support programmes and projects with patient organisations.

<sup>1</sup> 2021 figures are not in the scope of the limited assurance audit for 2022

<sup>2</sup> Our Grünenthal Patient Support Programmes (PSP) help patients either directly or via healthcare professionals (HCPs) by increasing disease awareness and enable them to access the most appropriate treatment possible and attain optimal treatment outcomes.

<sup>3</sup> The projects can be either led by patient organizations and sponsored by Grünenthal or co-created with them with the goal to raise disease awareness or to provide education and support to patients to better manage their condition (for example patient surveys, disease awareness campaigns, tools and materials for patients).

<sup>4</sup> No consolidated information available

## What we aim for

“ Initiatives of **non-promotional character** and strict public benefits, aiming...



...with strong focus on pain and palliative care.

### US Patient Assistance Programme

In the US, we are launching our first Patient Assistance Programme in 2023. It will provide eligible uninsured patients who suffer from Diabetic Peripheral Neuropathy or Postherpetic Neuralgia with access to our non-opioid cutaneous system Qutenza™. This will ensure effective pain relief for patients who would not otherwise be able to benefit from this treatment.

### Awareness Measures in Latin America

Grünenthal is committed to being part of the solution to the need for knowledge and proper pain management in Latin America. We joined efforts to generate disease awareness with the endorsement of 22 local pain associations, to promote proper assessment, diagnosis and treatment of chronic pain in the region. In 2023, we will also support initiatives such as Evaluálo, a collaboration of Grünenthal Latin America and the Latin America Federation of Associations for the Study of Pain (FEDELAT).

The generation of data to better understand the impact of chronic pain in Latin America has been another way Grünenthal has contributed. Specifically, we supported research on the prevalence of chronic pain, burden of the disease and cost analysis of chronic musculoskeletal pain in Chile, Colombia, Ecuador and Peru.

Considering the important role of the media in educating the population on health issues, Grünenthal Latin America conducted the third edition of the Latin American Chronic Pain Workshop for Journalists in partnership with FEDELAT and the Stanford Center for Health Education. It brought together reporters from 34 of the most important media organisations in Latin America. Similarly, discussion spaces have been promoted on the impact of chronic pain and possible solutions, in multi-stakeholder forums held in Colombia, Ecuador and Mexico, with the participation of medical societies and authorities, and in alliance with high-impact media.

### Ensuring Access to Medication and Palliative Care

We want to continue improving access to medication in situations of low availability to appropriate treatment options to manage pain for all patients in need.

We strive to contribute to access to medication where it is most needed: we have concluded a cooperation agreement with a non-governmental organisation to support its humanitarian efforts to deliver medication for people in crisis regions.

Another of our initiatives is a training programme in Colombia to empower pharmacy employees to handle opioid prescriptions in line with local laws and patient needs. Furthermore, we expand access to palliative care with various initiatives.

### **The Grünenthal Foundation for Palliative Care**

We have a long-standing commitment to preserving dignity and quality of life at the end stage of people's lives. The Grünenthal Foundation for Palliative Care was set up in 1998 to promote science and research in this field, and to support progress in the care of people with severe or terminal diseases in Europe as well as in Latin America. The Foundation has facilitated the creation of the Department of Palliative Medicine at Aachen University Hospital.

### **With our foundations we promote science and research in the field of Palliative Care**

It also promotes improvements in palliative care across Latin America, where only one-third of countries have a specific law related to this field and only half have a national care plan or recognise palliative care as a medical specialty.

In Peru, our work has been supporting a master's degree in Palliative Medicine and Pain Management at the Universidad Nacional Mayor de San Marcos since 2018. This is the country's first academic programme within this field,

and two professors were specifically trained to lead the course. 66 professionals have now graduated and are creating palliative care units across Peru. With Grünenthal's support, the Latin American Palliative Care Association (ALCP) held events for the medical community and journalists to raise awareness about the importance of palliative care – as well as the considerable work that is needed to improve quality of life for patients in this region.

### **Grünenthal Foundation Spain**

The Grünenthal Foundation in Spain is a non-profit organisation that seeks to improve quality of life for people suffering from pain in this country. It was founded in 2000 and focuses on three areas: developing knowledge, training patients and their families, and working with public bodies to design and implement health strategies. Through its support for the creation of Spain's only chair of childhood pain, at the Rovira i Virgili University, it has helped boost research in chronic childhood pain.

### **Grünenthal Foundation Portugal**

The Grünenthal Foundation in Portugal's primary purpose is to actively contribute to better pain treatment for the country's population. In line with this mission, it has developed a range of initiatives that promote training and research while also supporting the exchange of scientific knowledge. Since it was founded in 2001, the foundation has contributed to more than 50 investigational projects related to pain and its physiopathology in Portugal.

### **Raising Awareness – The Societal Impact of Pain platform**

SOCIETAL IMPACT OF PAIN (SIP) is a multi-stakeholder partnership led by the European Pain Federation and Pain Alliance Europe, and Grünenthal is one of the main sponsors. The partnership aims to raise awareness about pain and encourage changes to pain policies by providing opportunities for discussion among healthcare professionals, pain advocacy groups, politicians, healthcare insurance providers, representatives of health authorities, regulators and budget holders.

SIP is endorsed by more than 310 European and national patient and healthcare organisations, and collaborates with organisations from other disease areas to advocate for improved management of pain, for example in cancer and rheumatology.

[www.sip-platform.eu](http://www.sip-platform.eu)

## Responsible Innovation – R&D for Unmet Pain Needs

### GRI 3-3

The development of breakthrough pain treatments and appropriate management mechanisms is what drives us at Grünenthal. Chronic pain is a disease

and is one of the most common medical complaints, but despite its prevalence, many individuals still suffer from unrelied pain and reduced quality of life. There is a huge unmet medical need for improved pain management, but there are gaps in disease understanding including pain targets, biomarkers and patient phenotypes.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

### PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)

**2022**

Reduce cycle time and resources required for new candidate discovery through machine learning.

First models used in projects – Na<sub>v</sub>1.8 ongoing, TRPA1 to start in 2023 from Start Lead Optimisation

Improve clinical trial design through ML-based patient phenotyping.

First models developed according to plan for Osteoarthritis and Neuropathic Pain

Improve understanding of treatment effect in clinical studies and post-approval, through objective measurement of mobility and sleep.

Analysis of digital data from the three projects (Qutenza™, Bio2Treat and Mobilize-D) is ongoing; first results available for Bio2Treat

## Our Impact Initiative: R&D for Unmet Pain Needs

With our innovations we want to address unmet pain in underserved populations through better use of human data. We therefore established the Impact Initiative R&D for Unmet Pain Needs to build data-driven human disease understanding along the R&D value chain and to enhance our ability to create truly novel medicines for patients in need.

To contribute to this, we have set ourselves the goal of reducing the cycle time and resources required for new candidate discovery through Machine Learning (ML). We will use data science to identify patterns in existing data sets and develop algorithms to discover

new potential drugs. We aim to shorten cycle times to producing candidate molecule ready for pre-clinical testing from 18 months to 14 months by 2025. In the reporting year the first models were used in projects (Na<sub>v</sub>1.8 ongoing, TRPA1 to start in 2023 from Start Lead Optimisation).

Furthermore, we want to improve clinical trial design through ML-based patient phenotyping. Our goal is to have conducted two such trials using this methodology by 2025. We have developed first models according to plan for Osteoarthritis (OA) and Neuropathic Pain (NP) phenotyping. By improving our understanding of the treatment effect of analgesics, we plan to further support patients on their journey to better manage their pain. We plan to

use objective digital measurements of patient mobility and sleep to improve the understanding of treatments in clinical studies and post-approval. Our goal is to implement objective mobility and sleep measures in at least one clinical and one post-approval study in chronic pain by 2025 (baseline 1 study). There have been first analyses of digital data from three target projects (Qutenza™, Bio2Treat and Mobilize-D). There are first results available for Bio2Treat, but the analysis is still ongoing.



### Promotion of Pain Research

Innovation requires the fostering of research to support early-career scientists and clinicians. Through grants of up to EUR 110,000 provided by Grünenthal and the European Pain Federation EFIC every two years, we support young scientists early in their career in carrying out innovative clinical pain research. Research grants are intended for clinical and human experimental pain research, including innovative educational initiatives aimed at improving diagnosis and treatment of pain. Since the foundation

of the EFIC-Grünenthal Grant in 2004, around EUR 1.8 million has been awarded to fund 70 innovative research projects in more than 14 countries.

In addition, to drive patient-centric innovation in chronic pain and neurological disorders and award patient centric and scientifically robust innovation, we support the Brain, Mind, and Pain Patient-Centred Innovation Grant, which awards EUR 60,000 every two years to research proposals to encourage patient-centred innovation that leads to improvements in the life conditions of pain patients.



## Product Governance & Safety

### GRI 3-3, GRI 416-1

Product quality and safety are particularly important in the pharmaceutical industry. We place the highest demands on the quality and safety of our products and processes and apply intensive risk management and control strategies along all steps of our production.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

The pharmaceutical industry is extensively regulated by the EU and national authorities worldwide to ensure that medicinal products are effective and safe to use. Various pieces of legislation set high standards for the content, quality, distribution and promotion of our products, as well as for routine matters such as working conditions. Due to the high product quality and safety standards and the close monitoring in the pharmaceutical industry, Grünenthal is not committed to any additional voluntary codes in the context of product safety.

Our product range includes mature, off-patent medicines that have a long market history and safety record, innovative medicines that are patent-protected and grant us exclusivity to manufacture and market them, as well as developmental products. Our products marketed in the EU focus on pain therapies. Our business includes the following regulated activities: research and development of medicinal products, marketing authorisation, manufacturing, wholesale distribution and supply, pharmacovigilance, and product promotion. Each of these activities is subject to strict regulatory frameworks worldwide.

### We place the highest demands on the quality and safety of our products and processes

The regulations that apply also include provisions on quality development, safety and efficacy requirements, risk minimisation activities, labelling (including warnings), approval, manufacturing, distribution, promotion, pricing and reimbursement, marketing, and post-marketing surveillance of medicines. These high standards and strong

control mechanisms are designed in a way that risks arising from our products are as low and well managed as possible. In addition, we have a seamless quality management system to ensure the highest quality and product safety along our production processes. Here, too, we strive to meet the highest standards to ensure patient safety. To target the best and most timely detection of new risks or new aspects of known risks related to the use of our substances, including risk minimisation measures in line with industry standards and international/national regulations, we have a high-quality pharmacovigilance system established.

**Product Governance & Safety Measures**

<b>PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)</b>	<b>RESULTS IN 2022</b>	<b>RESULTS IN 2021<sup>1</sup></b>
Number of employees at Headquarters who completed Pharmacovigilance training via eLearning in the last cycle of 12 months	952 of 1,018 employees	27 of 1,018 employees
Percentage of Individual Case Safety Reports performed for Health Authorities within due time	Europe: 98.5 % Latin America: 98.5 %	Europe: 97.9 % Latin America: 88.4 %
Number of external Quality Certifications held by Grünenthal’s manufacturing plants	Total: 18 Germany (3) Italy (5) Switzerland (2) Chile (4) Ecuador (4)	Total: 17 Germany (3) Italy (5) Switzerland (2) Chile (3) Ecuador (4)

The last completed cycle of Pharmacovigilance training via eLearning was rolled out to a target population of 1,018 employees in December 2021. In December 2021, 27 employees successfully completed the training and in 2022, 952 employees successfully completed the training, reaching a completion rate of 96.2% by the end of Nov 2022.



<sup>1</sup> 2021 figures are not in the scope of the limited assurance audit for 2022

# PEOPLE – OUR EMPLOYEES, PARTNERS AND COMMUNITIES

60





## HUMAN CAPITAL FAIRNESS

- Assurance of 100 % alignment with relevant Human Resource ('HR') regulations, health and safety standards and the freedom of association

## EQUALITY, DIVERSITY & INCLUSION

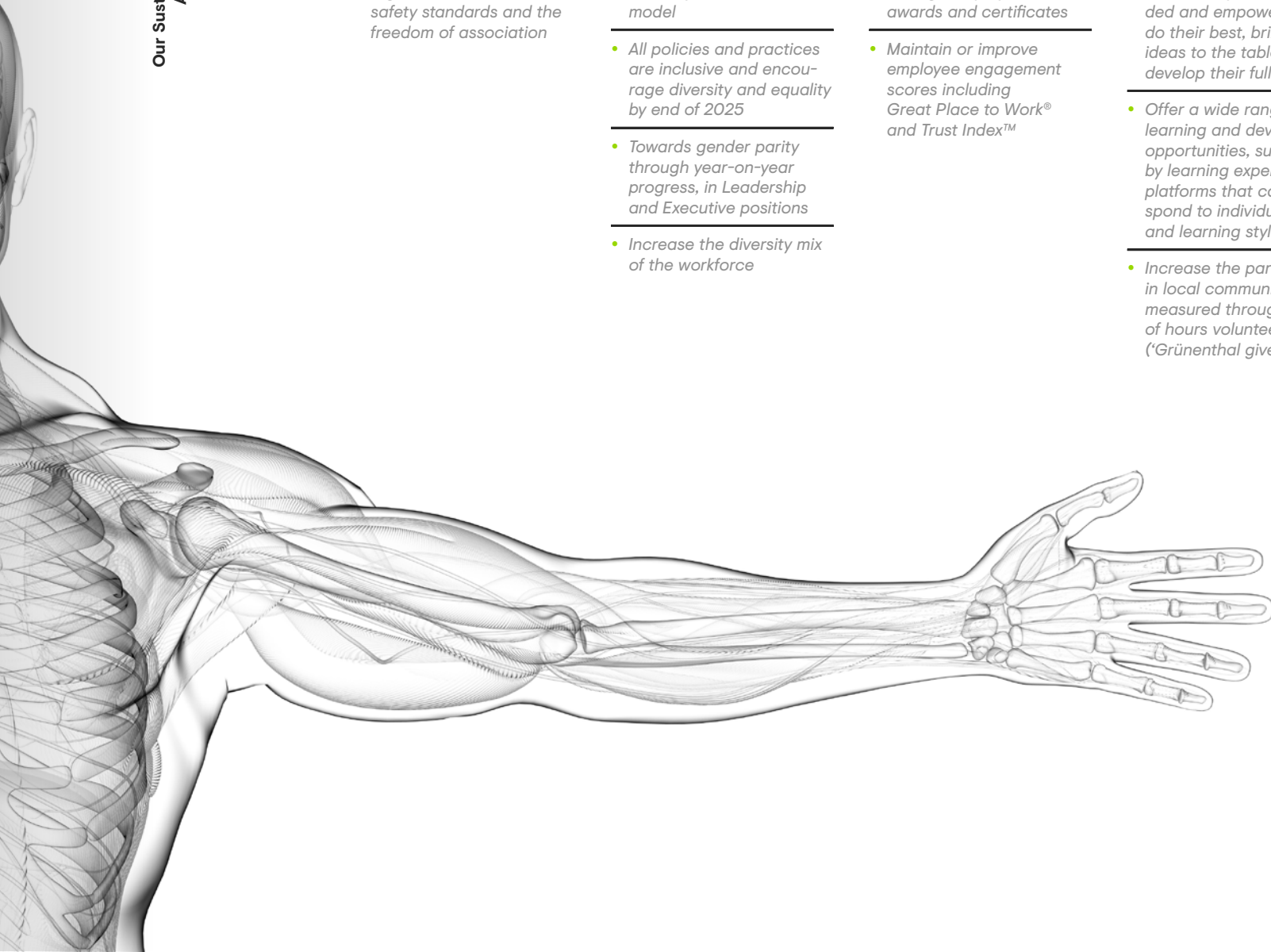
- Offer a workplace that mirrors the diversity of society and is an Equality, Diversity & Inclusion role model
- All policies and practices are inclusive and encourage diversity and equality by end of 2025
- Towards gender parity through year-on-year progress, in Leadership and Executive positions
- Increase the diversity mix of the workforce

## ATTRACTIVE EMPLOYER

- Grünenthal is globally recognised as an attractive employer through employer awards and certificates
- Maintain or improve employee engagement scores including Great Place to Work® and Trust Index™

## EMPLOYEE ENGAGEMENT

- Constantly improving a working environment in which all employees feel valued, respected, included and empowered to do their best, bring great ideas to the table and develop their full potential
- Offer a wide range of learning and development opportunities, supported by learning experience platforms that can respond to individual needs and learning styles
- Increase the participation in local community events measured through number of hours volunteered ('Grünenthal gives')



# PEOPLE – OUR EMPLOYEES, PARTNERS AND COMMUNITIES

**How can we** have a positive impact on the lives of the people we work with, our partners and wider society? To achieve this, Grünenthal drives a vibrant and high-performance culture guided by distinctive Values & Behaviours. We promote this culture, foster trust and promote diversity and inclusion through various initiatives. In addition, we strive to empower our employees to their best and look after their health and well-being, and we contribute to improving the quality of life for people and communities around us. As part of our materiality analysis, we have identified four topics as material in the area of ‘People’:

## HUMAN CAPITAL FAIRNESS

**Healthy employees** as well as safe working conditions are the basis for our success. To achieve this, we rely on comprehensive health measures and the highest safety standards.

## ATTRACTIVE EMPLOYER

**We want to create** the best possible conditions for our employees both in their professional and private lives. We therefore provide an environment where people can thrive in rich and varied roles, offer growth opportunities and an extensive range of benefits.

## EQUALITY, DIVERSITY & INCLUSION

**We stand up for diversity,** equality and inclusion. We want to increase diversity and equality in our company and equip leaders to role model an inclusive environment.

## EMPLOYEE ENGAGEMENT

**Fostering a high-performance** culture and living our Values & Behaviours is the key to our success. This is why we invest in regularly requesting feedback from our employees to continually improve.



## Our Employees GRI 2-7 (headcount)

DATA	2022	2021 <sup>1</sup>	2020 <sup>1</sup>
<b>Total number of employees</b>	<b>4,431</b>	<b>4,507</b>	<b>4,653</b>
Of which female	2,223	2,297	2,352
Of which male	2,208	2,210	2,201
<b>Breakdown by region</b>			
HQ&GSD <sup>2</sup> :	1,327	1,323	1,394
Europe:	1,277	1,283	1,305
Latin America:	1,641	1,733	1,767
USA:	185	168	87
Asia:	1	-	-
<b>Permanent employees</b>	<b>4,223</b>	<b>4,132</b>	<b>4,228</b>
Of which female	2,139	2,101	2,167
Of which male	2,084	2,031	2,061
<b>Breakdown by region</b>			
HQ&GSD <sup>2</sup> :	1,160	1,176	1,262
Europe:	1,241	1,150	1,189
Latin America:	1,636	1,638	1,690
USA:	185	168	87
Asia:	1	-	-
<b>Temporary employees</b>	<b>208</b>	<b>375</b>	<b>325</b>
Of which female	84	196	185
Of which male	124	179	140
<b>Breakdown by region</b>			
HQ&GSD <sup>2</sup> :	167	147	132
Europe:	36	133	116
Latin America:	5	95	77
USA:	0	0	0
Asia:	0	-	-



DATA	2022	2021 <sup>1</sup>	2020 <sup>1</sup>
<b>Full-time employees</b>	<b>4,161</b>	<b>4,220</b>	<b>4,259</b>
Of which female	1,977	2,034	2,075
Of which male	2,184	2,186	2,184
<b>Breakdown by region</b>			
HQ&GSD <sup>2</sup> :	1,124	1,114	1,181
Europe:	1,213	1,208	1,226
Latin America:	1,640	1,732	1,766
USA:	183	166	86
Asia:	1	-	-
<b>Part-time employees</b>	<b>270</b>	<b>287</b>	<b>294</b>
Of which female	246	263	277
Of which male	24	24	17
<b>Breakdown by region</b>			
HQ&GSD <sup>2</sup> :	203	209	213
Europe:	64	75	79
Latin America:	1	1	1
USA:	2	2	1
Asia:	0	-	-

## Human Capital Fairness

### GRI 3-3

Our employees are our greatest asset. Through their contribution every day, they are the foundation for our success. We believe that no company can

flourish without ensuring the health and wellbeing of its employees.

In striving to ensure health and wellbeing, we take a comprehensive approach, offering health and safety programmes as well as training across the countries we operate in. In this regard, we comply with the highest standards in the areas

of human resources management and occupational health and safety, and often go beyond legal requirements, for example with our comprehensive approach to zero work accidents.

<sup>1</sup> 2020 and 2021 figures are not in the scope of the limited assurance audit for 2022  
<sup>2</sup> Headquarters (HQ) & German Sales Division (GSD)

## Health and Wellbeing Initiatives

### GRI 403-3, GRI 403-6

Maintaining and improving mental and physical health is essential for everyone. We therefore provide our employees with regular training as well as health services and programmes, supporting physical, psychological and social health. Alongside these programmes, we also have company doctors and nurses present on several of our manufacturing sites. Their medical services include preventive occupational medical care, relevant occupational health examinations and vaccination programmes (including for Covid-19). Offerings and services can vary by location.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

## Occupational Health and Safety

### GRI 403-1, GRI 403-2, GRI 403-4, GRI 403-5, GRI 403-7, GRI 403-8, GRI 403-9

We have a clear goal concerning safety: VISION ZERO. Our goal is zero Lost Working Days due to accidents.

To this end, strengthening safety awareness is fundamental. At our manufacturing sites, for example, employees spend time every month observing the safety

behaviour of their colleagues and providing constructive feedback.

## ISO 45001 and EHS Policy – highest Standards

To maintain the highest safety standards and reach the goal of VISION ZERO, our occupational health and safety management systems at all of our manufacturing sites in Germany, Switzerland, Italy, Equador and Chile were certified according to the ISO 45001 standard.

In addition, we have implemented the 'Policy on Occupational, Safety, Health and Environmental Protection, and Energy' (EHS policy) at all our sites.

Among other things, it sets out obligations to comply with health protection and measures to actively improve occupational safety, and defines accountability and therefore creates a basis for a safe working culture. This EHS policy applies to all our employees and is also binding on our suppliers. To reach our employees in the best possible way and to ensure that the entire workforce is covered by the management system, the document is available in English, German, Italian and Spanish.

## Our exemplary comprehensive Health Services and Programmes at our Headquarters in Germany

### Physical health

- Various workshops and long-term courses, such as yoga, back ergonomics and active breaks
- Lectures and speeches on topics such as nutrition, sleep and other current health topics
- Cooperation with fitness studios to subsidise membership charges for employees
- Digital sports and health courses via Voiio, a corporate digital platform for private and family life

### Psychological and social health

- Offerings around mindfulness and resilience
- Healthy Leadership Life situation coaching
- Occupational Integration Management for the re-integration of employees after longer illness

### Our global EHS Network

All our manufacturing sites receive regular EHS audits and standardised risk assessments, to identify risks and find opportunities for improvement.

To ensure that our high standards are met in the best possible way, there are local EHS managers at all our manufacturing sites who act as contacts and sparring partners for the sites. They monitor safety and health regulations, check risks and evaluate potential for improvement with the employees.

The local EHS managers report to the Global EHS unit at our head office in Aachen, Germany. The global unit is responsible for monitoring and guiding to ensure compliance with EHS regulations, and reports on progress and risks to the Corporate Executive Board at regular intervals.

The relevant sites have their own EHS committees, in which the local EHS contacts, employee representatives and the local management team are represented. In addition, meetings between the local EHS managers and the Global EHS team take place at least once a month.

Employees are regularly informed about progress, risks and innovations via global and local town hall meetings. They also have the opportunity to suggest improvements and point out risks.

### EHS Training Programmes

To create a prevention mindset, we take precautionary measures through intensive training sessions and regularly inform our employees about relevant safety issues. Depending on the exposure to risks, there are extensive, customised training programmes for all employees, adapted to local conditions. The scope of the training depends on the employee category: employees with specific responsibilities or higher exposure to risks receive more extensive training than, for example, office employees without direct contact with production processes. In addition to

regular general EHS training for all staff, for specific responsibilities training of standards includes:

- Site Governance & Assurance
- Contractor Management
- Work at Height
- Lock Out Tag Out
- Hot Work
- Electrical Safety
- Emergency Preparedness
- Confined Space Entry
- Hazardous Materials Handling
- Safety Behaviour
- Safe Operation of Trucks FLTs
- Machine Guarding

### Work-related Injuries and Fatalities GRI 403-9

	2022	2021
<b>Work-related fatalities</b>	0	0
<b>High-consequence work-related injuries (excluding fatalities)</b>	18	18
<b>Work-related injuries</b>	29	25



## Diversity drives Innovation – Equality, Diversity & Inclusion

GRI 3-3, GRI 405-1, GRI 406-1

Equality, diversity and inclusion is a business imperative embedded in our company Values & Behaviours. Grünenthal wants to provide a work environment where everyone feels respected, welcome and appreciated, irrespective of their identity.

### Empowering Diversity & Engagement

During 2022, we launched our first ever Diversity & Engagement strategy. It brings together existing local and global events and initiatives, ranging from our Pride talks through to local Diwali celebrations and graduate recruitment. By focusing on three pillars, the strategy provides a clear plan with global commitments to truly empower, inspire, support and engage all of our people, partners and communities. Each and every person is encouraged to support the initiatives personally – wherever they are based in our organisation and hierarchy. As part of this approach in 2022, we founded an LGBT+ community and increased support for mental health.

We empower our employees to have a positive impact on the results we achieve and on the lives of the patients we serve.

We do this by encouraging all of our employees to innovate in every possible way – whether by building our pipeline or implementing new ideas to drive performance along the value chain. (More information on cutting-edge science and technology can be found in our corporate Grünenthal Report.)

Indeed, innovation is one of the key enablers of our success. We are convinced that brilliant ideas leading to innovative solutions can only be generated when diverse teams and leaders, with a variety of different perspectives, capabilities, experiences and ideas, work together. This is why, at Grünenthal, we promote and encourage diversity in all our teams and strive to create a culture of inclusion where all our employees can unleash their full potential.

The thorough analysis of impact as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter ‘ESG Management Approaches and Materiality Analysis, Material Topics’).

### Impact initiative: Circle of Trust

Building on a strong foundation, we are committed to expanding our initiatives to foster a culture of trust among employees, partners and the community. To further strengthen this ‘Circle of Trust’, we have established a Diversity & Engagement Council in the reporting year. The Council defines strategic Diversity & Engagement goals linked to the Grünenthal business strategy and our cultural mission, govern associated initiatives and monitor impact and therefore strengthen Grünenthal as a

trusted corporate brand, an attractive employer and a great place to work.

Our ambitions are high:

- Maintain high levels of engagement at Grünenthal by providing a working environment in which all of our employees feel valued, respected and empowered to develop their full potential and bring great ideas to the table.
- Move towards a workplace that more closely mirrors the diversity of society; become a role model of diversity, inclusion and equality with policies and practices that are inclusive and encourage diversity.
- Be recognised as an attractive employer.
- Build a global framework that will enable our employees to continually drive our purpose externally by cooperating with partners who share our ambitions in ethics, human rights and diversity.

### Anti-Discrimination

To prevent discrimination – meaning the unfair treatment of individuals or groups of people based on certain characteristics – and to give all employees the opportunity to seek help should they feel they are victims of discrimination, the Ethics Helpline can be called by anyone in confidence. (For further information please refer to the chapter ‘Compliance, Ethics & Transparency’.)

As soon as a case is reported, our Compliance Organisation looks into the matter, following our standardised and state-of-the-art investigation process, in close cooperation with global and/or local HR. In the reporting year, as in 2021, no cases of discrimination were reported to the Ethics Helpline.

**Diversity (headcount)**

<b>DIVERSITY OF GOVERNANCE BODIES AND EMPLOYEES</b>	<b>2022</b>	<b>2021</b>	<b>2020</b>
<b>Corporate Executive Board and Advisory Board</b>			
Gender male:	88%	88%	88%
Gender female:	12%	12%	12%
Under 30 years old	0%	0%	0%
30 – 50 years old	75%	75%	75%
Over 50 years old	25%	25%	25%
<b>Percentage of employees in R&amp;D:</b>			
Gender male:	37%	37%	38%
Gender female:	63%	63%	62%
Under 30 years old	2%	2%	4%
30 – 50 years old	64%	64%	68%
Over 50 years old	34%	32%	28%
<b>Percentage of employees in Global Commercial:</b>			
Gender male:	44%	44%	43%
Gender female:	56%	56%	57%
Under 30 years old	4%	3%	4%
30 – 50 years old	58%	60%	63%
Over 50 years old	38%	37%	33%
<b>Percentage of employees in Global Operations:</b>			
Gender male:	58%	57%	55%
Gender female:	42%	43%	45%
Under 30 years old	13%	11%	12%
30 – 50 years old	55%	59%	59%
Over 50 years old	31%	30%	29%
<b>Percentage of employees in Corporate Functions:</b>			
Gender male:	47%	47%	47%
Gender female:	53%	53%	53%
Under 30 years old	19%	17%	18%
30 – 50 years old	57%	56%	55%
Over 50 years old	24%	27%	26%

## Attractive Employer

### GRI 3-3

As a global player in a fast-paced, ever-changing market environment, our business success is only made possible by our people. Their ambition, talent and commitment drive our efforts to strengthen our position as a cutting-edge pharmaceutical company.

It is our goal to maintain high levels of engagement with our workforce and to strengthen our company as a Great Place to Work®. We promote a vibrant, high-performance culture which is founded on a shared set of values. These guide our behaviours and decision-making – as individuals and as an organisation. More information on Grünenthal as a Great Place to Work® can be found in our corporate Grünenthal Report.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

### Flexible Working Models

Creating an atmosphere of mutual trust among our employees is particularly important to us. Even before the Covid-19 pandemic, we made it possible for our employees to work from home. Through our hybrid working model, SMARTWORK, which allows for a flexible arrangement of office work and work from home, we can offer a good work-life balance.

For working parents, balancing family life and career is a daily challenge. We

help by providing company childcare facilities at our headquarters with space for 70 children, with care in both English and German, and we offer childcare services at some of our other locations.

## We help balancing family life and career

### Our Remuneration Principles

#### GRI 2-30

We use a standardised and transparent global process for our remuneration approach. Job scope, market competitiveness and performance are the key elements of our remuneration philosophy.

The use of an established market-based job evaluation system aims to ensure internal and external equity with a consistent approach. All parts of the total remuneration package are based on local market practice. Through comprehensive benchmarking using leading data sources and expert industry advisors in each local market, we aim for competitiveness. Salary and benefits structures are regularly reviewed in view of the respective target groups and business needs.

Grünenthal offers a wide range of additional competitive monetary and non-monetary benefits including health-care and pension in the context of the local market. Benefits may include medical insurance, company car, fitness allowance as well as membership and service fees, training/education, additional holidays, special discounts and other support.





**Grünenthal – a Great Place to Work®**

	2022	2020 <sup>1</sup>	Since 2017 <sup>1</sup>
<b>Trust index</b>			
Global	76 %	76 %	+8 %
Europe	76 %	75 %	+2 %
Latin America	78 %	78 %	+1 %
Headquarters	70 %	70 %	+14 %
<b>Grünenthal is a Great Place to Work®</b>			
Global	81 %	81 %	+9 %
Europe	82 %	82 %	+4 %
Latin America	82 %	83 %	+ -0 %
Headquarters	73 %	76 %	+20 %

Our regular employee satisfaction surveys and leadership feedback surveys provide us with continual and actionable insights. Employees can also tell us anonymously what they think about our culture and leadership approach through our Great Place to Work® survey. It gives us a clear benchmark of where we stand and enables us to track our progress.

The 2022 results of the Great Place to Work® survey confirmed the positive trends seen in previous surveys. More than 3,500 of our employees shared

their feedback last year, which is a participation rate of 83 % (2020: 85 %)<sup>2</sup>.

With 81% of participants stating that Grünenthal is a great place to work, we were able to maintain our high rate from the year 2020 (81%)<sup>2</sup>.

This also resulted in Grünenthal being certified as a Great Place to Work® in 24 entities spread across 19 countries, including our headquarters and all of our manufacturing sites (more information can be found in our corporate Grünenthal Report).

<sup>1</sup> 2020 and since 2017 figures are not in the scope of the limited assurance audit for 2022  
<sup>2</sup> 2020 figures are not in the scope of the limited assurance audit for 2022

### 180-degree Pulse Check – Positive Feedback for Management

This positive trend is also reflected in our '180-degree Pulse Check'. To provide targeted leadership feedback for line and project managers on how they drive team performance and development and bring our Values & Behaviours to life, we annually conduct 180-degree Pulse Checks.

The 180-degree Pulse Check conducted in 2022 again confirmed the encouraging results seen in the first two runs in 2020 and 2021, as well as the results of our last Great Place to Work® survey. In the past few years, the results

show that we have made significant and, most importantly, sustainable progress on our cultural journey. The high participation rate (92%) of the 2022 Pulse Check again reflects the open feedback culture we want to promote.

#### Key Insights from the Results include:

- The vast majority of our employees confirmed that priorities are clear (93%) and that their manager keeps the team focused on results (90%).
- Most managers again got very positive feedback about the way they encourage cross-functional collaboration (91%).
- Last year's improvement related to micromanagement (+17 percentage points compared with 2020)<sup>1</sup> was maintained (82%).
- Most managers regularly provide feedback on performance and support for active development (81%). We will continue to focus on further strengthening our performance and development culture.
- Again, 88% of all responses confirmed that employees would recommend their manager to other colleagues.
- Over 50% of all feedback contained personal comments which add valuable insights.





**Employee Turnover GRI 401-1**

<b>NEW EMPLOYEE HIRES AND EMPLOYEE TURNOVER</b>	<b>2022</b>	<b>2021<sup>2</sup></b>	<b>2020<sup>2</sup></b>
<b>Total number and rate of new employee hires during the reporting period, by gender and region (headcount)<sup>3</sup></b>			
<b>total number</b>	<b>674</b>	520	440
Gender male:	362	273	210
Gender female:	312	247	230
<b>of which</b>			
Headquarters & German Sales Division:	194	88	110
Europe:	223	128	150
Latin America:	215	207	141
USA:	41	97	39
Asia:	1	0	0
<b>Total number and rate of employee turnover during the reporting period, by gender and region (headcount)<sup>4</sup></b>			
<b>total number</b>	<b>276</b>	<b>277</b>	<b>194</b>
Gender male:	134	114	95
Gender female:	142	163	99
<b>of which</b>			
Headquarters & German Sales Division:	65	72	56
Europe:	76	91	60
Latin America:	122	106	76
USA:	13	8	2
Asia:	0	0	0
<b>Total turnover rate</b>	<b>6.2%</b>	<b>6.1%</b>	<b>4.2%</b>

73

<sup>1</sup> 2020 figures are not in the scope of the limited assurance audit for 2022

<sup>2</sup> 2020 and 2021 figures are not in the scope of the limited assurance audit for 2022

<sup>3</sup> New hires (globally) and split by region as in Global HR Report: Germany (HQ/GSD), EU, LatAm, US; only employees who are hired for at least six months are taken into account

<sup>4</sup> Turnover (voluntary) globally

## Employee Engagement

### GRI 3-3

Working at Grünenthal is about living our values and contributing to evolve our company culture, every day. We think and act with the patient in mind, we acknowledge that people make the difference, and we team up to create

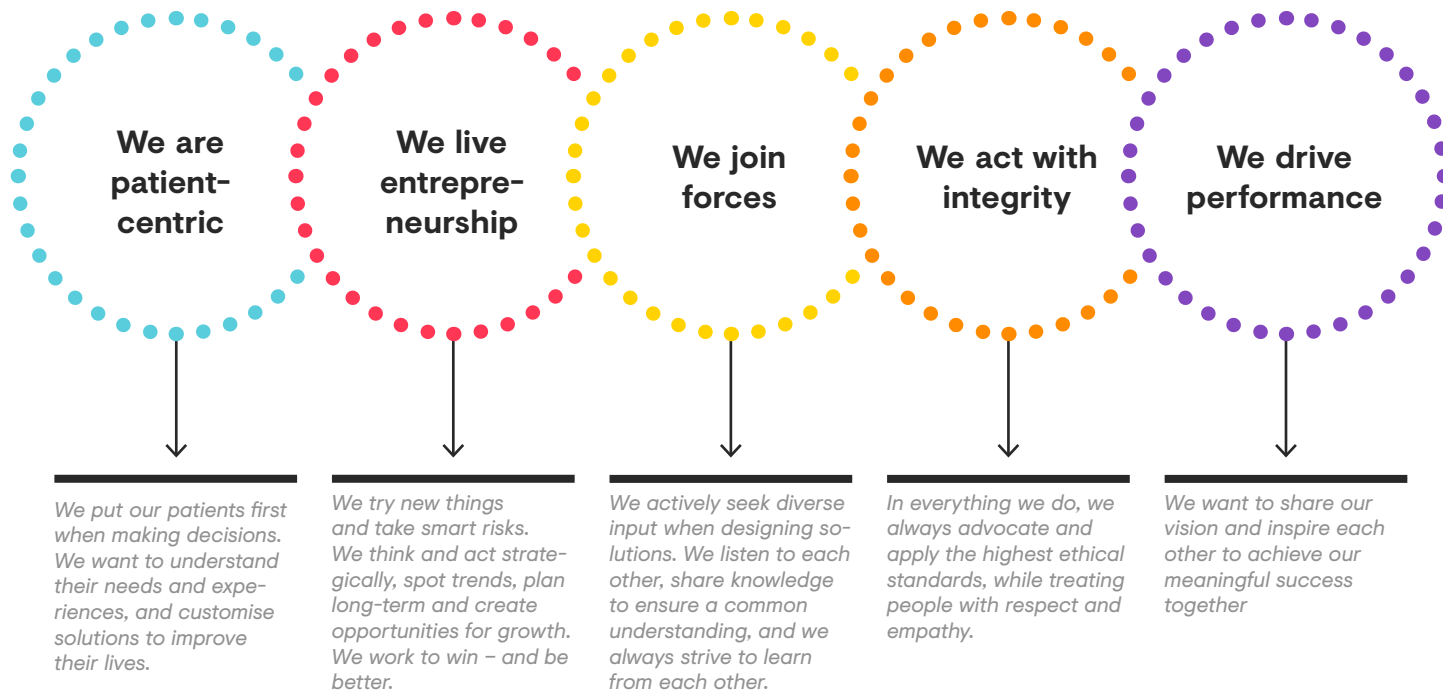
value. This is how we foster Employee Engagement.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

Five Values, supported by specific Behaviours, guide our decision-making and provide a clear indication of how we are expected to behave – as individuals and as an organisation.

Wherever Grünenthal has a presence or impact, we must live up to our company Values & Behaviours.

## Grünenthal Values & Behaviours



## Training and Career Development

### GRI 404-2, GRI 404-3

Each and every employee at Grünenthal is considered a talent and we actively

promote growth and individual development for all of them, with each employee having a personal development plan, including regular performance and career development reviews. We invest in our people and provide many different learning and growth opportunities, such

as taking on new challenges on the job, training, coaching and mentoring programmes. Our ambition as an organisation is to encourage our employees to unleash their full potential.

Each employee sits in the driver's seat of their own development – they own it.

We expect them to speak up, make proposals and discuss aspirations, development areas and actions with their managers.

Our leaders also have the responsibility to support the development of their team members by leveraging their strengths, identifying areas for improvement, and providing space and opportunities for

growth within their teams. It has to be the ambition of every leader to create a learning environment, applying the 70/20/10 learning model. This model states that 70% of learning happens on the job, 20% in interactions with others such as coworkers and managers, and only 10% of learning happens in off-the-job activities such as training.

To support the ‘off-the-job’ learning, we offer an extensive range of advanced training courses available through our Learning Management System and other learning platforms (more information can be found in our corporate Grünenthal Report).

## Corporate Citizenship

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	NUMBER OF INITIATIVES 2022
Number of Corporate Citizenship initiatives in:	
(i) ad-hoc disaster relief	<b>3 initiatives:</b> Financial donations to the Red Cross to support Ukraine and product donations through our partners Action Medeor and Uniklinikum Aachen
(ii) philanthropic activities	<b>5 initiatives:</b> Basic research activities at local Aachen University and support of playground at local kindergarden
(iii) healthcare support activities in the year	<b>5 initiatives:</b> Focus on support of palliative care, e.g. via palliative care foundation or a local Lions Club that supported a local hospice.

Improving the quality of life of people and communities beyond our core business is a key part of our Corporate Responsibility Programme. It is important to us to give back to society and let people share the success of our business. We have a long tradition of supporting projects and charities that have a positive impact.

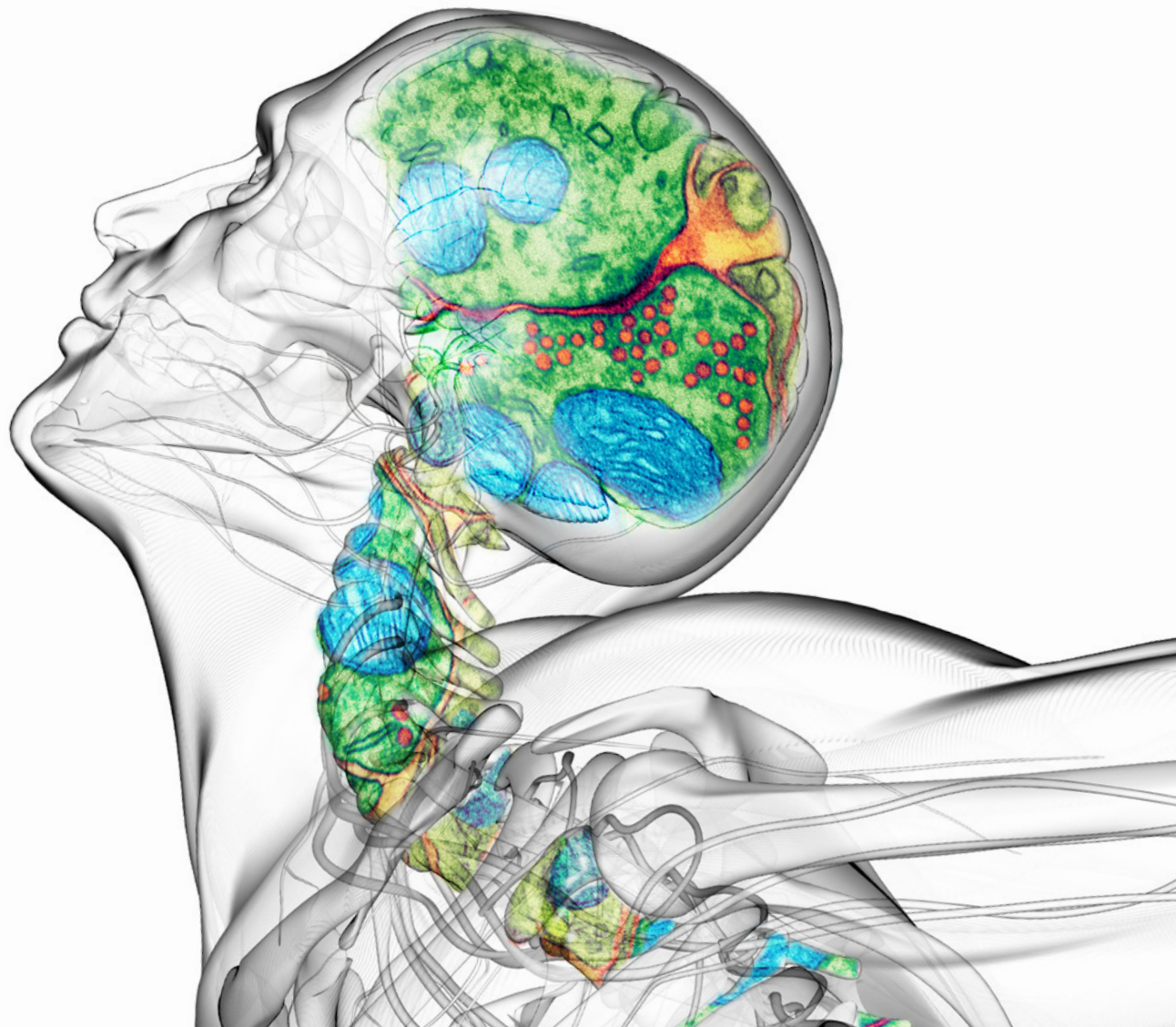
In addition to supporting local outreach activities through our Patient impact initiatives, which are closely linked to our

core business (see chapter ‘PATIENT – THE PEOPLE WE SERVE’), we also support other projects with donations.

In March 2022 we donated EUR 400,000 to the Red Cross to support humanitarian relief efforts in Ukraine and Eastern Europe. In addition, together with our partners Action Medeor and the University Hospital RWTH Aachen, we have provided urgently needed pain medication to the region.

# PLANET – THE ENVIRONMENT WE DEPEND ON

76



Material  
Topic



## ENVIRONMENTAL EXCELLENCE STRATEGY

- Based on the defined environmental strategy, Grünenthal is in the process of implementing the environmental initiatives according to its established roadmap to further develop the complete scope of Grünenthal's operations, supplier production and patient/after-use value chain of our products

## RESPONSIBLE USE OF RESOURCES

- Annual reduction of 3% in normalised energy consumption (kWh/produced units or volume per site)
- Annual reduction of 3% in normalised waste (tonnes/produced units or volume per site)
- Annual reduction of 3% CO<sub>2</sub> emission per site per year (CO<sub>2</sub>e/produced units or volume per site)
- Reduction of 2% in water consumption per year (m<sup>3</sup>/produced units or volume per site)
- We will work with our key suppliers to achieve a commitment to use 100% renewable power and implement an energy reduction standard by 2030

## OUR IMPACT ON CLIMATE

- We want to achieve net zero emissions in Scope 1 and 2 by 2030

Our Sustainability  
Ambitions



# PLANET – THE ENVIRONMENT WE DEPEND ON

**We are committed** to minimising negative environmental impacts of our global operations. To take sustainable action, we are constantly monitoring our performance and our practices. We aim to constantly improve and successfully adapt to new regulatory requirements. We have therefore devoted our efforts – jointly with our stakeholders such as employees, partners and customers – to reducing our carbon footprint, our resource and energy use, and our waste generation in our value chain. To create a meaningful impact and achieve our goals in a focused way, we have identified three major environmental areas of action in close dialogue with our stakeholders. We have determined their status as material topics to remain valid in light of the described double materiality assessment (financial and impact materiality, see chapter ‘Material ESG Topics’).

## ENVIRONMENTAL EXCELLENCE STRATEGY

**Our goal** is to further promote environmental sustainability. To manage this, we are continually working on our environmental sustainability strategy based on our impact initiative: Planet – Driving Environmental Sustainability.

## RESPONSIBLE USE OF RESOURCES

**Responsible use** of resources is essential for us and our stakeholders to limit our impact on the environment. In particular, we focus on our energy and water consumption and the handling of production waste.

## OUR IMPACT ON CLIMATE

**We want to better** understand our impact on climate change and take action to reduce it. We therefore calculate our corporate carbon footprint and set ourselves concrete targets for future CO<sub>2</sub> reductions.

## Environmental Excellence Strategy

### GRI 3-3

The world's limited resources are becoming increasingly depleted, and the environmental footprint of humankind is already more than the planet can sustain. This is why we take responsibility for our impact on the environment.

After conducting our double materiality analysis to assess the impacts, risks and opportunities related to our environmental footprint, we have identified this as a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

As a result, we have set up a comprehensive environmental management system including governance, processes and responsibilities that will drive progress towards achieving our ambitions in this field.

We follow leading international environmental standards. We collect and analyse data from our manufacturing sites to improve efficiency, reduce energy consumption and cut waste generation. We continue to implement a comprehensive environmental management system based on the ISO 14001:2015 standard, regulatory requirements, corporate environmental standards, the Sustainable Development Goals, the Greenhouse Gas Protocol and best international practices.

In addition, we continue to develop a robust environmental data management and monitoring system for waste, water, wastewater, energy, greenhouse gas (GHG) data from our manufacturing sites, and Scope 3 GHG emissions.

To push our excellence strategy further,

we have carried out a full environmental impact assessment and GHG inventory for our sites and across our entire value chain. We have also created a Planet Roadmap to achieve our ambitious goals. This Roadmap includes GHG emissions reductions, waste reduction and water saving projects, sustainable packaging, responsible sourcing, digitalisation and sustainable product design projects. In 2022, we developed a Climate Strategy to reduce our carbon footprint.

## Planet Governance

In 2022, we have improved our governance structure in respect of our planet topics.

The Planet Committee, attended by project leads for the Planet Roadmap and EHS Managers from global sites, meets monthly. Activities and project outcomes are reported to the Global Operations Board and the Corporate Responsibility Board.

On a more operational level, the EHS Team meets monthly to track performance against KPIs for Global Manufacturing sites with respect to energy, water and waste reduction as well as GHG.

## 2022 Achievements

An ongoing point of emphasis for improving our environmental performance and working towards achieving our ambitions relates to the development of critical Global Environmental Standards for our manufacturing sites. In 2022, we rolled out the 'Environmental Performance and Data Integrity' standard. With this standard, we emphasize the importance of the management and reporting requirements of all sustainability-related data and we will improve data integrity and reporting processes. Moreover, we launched wastewater projects to support Global Manufacturing sites and established targets for Predicted Environmental Concentration (PEC) and Predicted No-Effect Concentration (PNEC) for API produced by Grünenthal manufacturing sites. The projects are also intended to facilitate further investigation of pharmaceutical in the wastewater process combined with the identification of possible treatment technologies.

In 2022 we also reached out to our affiliate offices, working with them on setting environmental targets based on waste, energy and accident reporting.

“ This forum provides an opportunity to exchange best practices across our global sites, ensuring we work toward the achievement of our global ambitions such as net zero by 2030.

Forum attendee

## 2023 Outlook

As part of the implementation of our #Planet strategy, we continue to work across the organisation to deliver environmental initiatives in the areas of energy and CO<sub>2</sub>, waste and water reduction. These projects are tracked and managed within our Planet Roadmap. They cover the full scope of Grünenthal's operations at manufacturing sites.

## Impact Initiative: Driving Environmental Sustainability

We anchor our environmental excellence approach with the Planet Impact Initiative 'Driving environmental sustainability'. This Impact Initiative is our holistic approach to bundle all of Grünenthal's environmental initiatives, our suppliers' production and the value chain of our products for patients and after use.

The elements of our comprehensive environmental impact initiative:

- Together with our employees and partners, we are increasing sustainability in our operations, procurement and products across the whole value chain.
- We are reducing CO<sub>2</sub> emissions, water consumption and waste generation from all our operations.
- By establishing projects to reduce packaging and minimise the end-of-life environmental impact of our products, we are taking responsibility for the impact of our products at the consumer and post-consumer stage.

## Environmental Impact Assessment (EIA)

As a basis for achieving our goals, defining the current situation and identifying potential for improvement, we conducted an environmental impact assessment (EIA) with an external partner. With this EIA, we identified the most important environmental impact areas for Grünenthal and its products.

To support the analysis, we follow the Future-Fit Business Benchmark methodology, which is based on the best available scientific evidence. The initial focus of the project is on the environmental side of sustainability, and so some adjustments were made to the framework. The results of the analysis are reflected in the following reporting on resource consumption and climate impact.

### Our environmental Goals

- Annual reduction of 3% in normalised energy consumption (kWh/produced units or volume per site)
- Annual reduction of 3% in normalised waste (tonnes/produced units or volume per site)
- Reduction of 2% in water consumption per year per site (m<sup>3</sup>/ produced units or volume per site)
- We will work with our key suppliers to achieve a commitment to use 100% renewable power and implement an energy reduction standard by 2030
- We want to achieve net zero emissions in Scope 1 and 2 by 2030
- Reduction of 3% CO<sub>2</sub> emission per site per year (CO<sub>2</sub>e/produced units or volume per site)



## Responsible Use of Resources

### GRI 3-3

Within our own operations we have a direct influence on responsible use of resources. While the EIA revealed that the impact of Grüenthal's own production is relatively small compared with the supplier and after-use phases, this is where we can directly contribute by setting and achieving ambitious targets.

During 2022 we have developed corporate environmental standards to have the same management approach for responsible use of key natural resources at our manufacturing sites. They are: waste management standard, wastewater management standard and water management standard.

In addition, lessons learned from minimising the impacts of our own operations can be used in setting requirements for suppliers and contract manufacturers.

Our focus in the area of sustainable operations is on energy and water consumption and on the reduction of waste. Overall, we aim to contribute to a reduction of our CO<sub>2</sub> emissions, which are elaborated under 'Our impact on Climate'.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

## Energy Consumption

Globally, energy consumption is the dominant contributor to climate change. According to the most recent report of the Intergovernmental Panel on Climate Change (IPCC), published in March 2023, more than 75% of global GHG emissions are caused by the energy sector, including industry, transport and buildings.<sup>1</sup> To minimise our emissions, we collect and regularly analyse data from our production sites so that we can continuously improve resource efficiency and reduce our energy consumption.

# 9.5%

reduction of energy consumption

### Total Energy Consumption<sup>2</sup> GRI 302-1

	2022 IN kWh <sup>3</sup>	2021 IN kWh <sup>4</sup>	CHANGE IN %
<b>Total energy consumption</b>	<b>115,514,172</b>	<b>127,628,001</b>	<b>-9.5 %</b>
of which from non-renewable sources	101,500,180	110,950,645	-8.5 %
of which from renewable sources	13,977,480	16,677,356	-16.2 %
Electric consumption	22,027,902	23,583,365	-6.6 %
Heating consumption (measured at one manufacturing site)	6,733,000	8,300,000	-19 %
Cooling consumption	validated values to be expected as soon as measurement equipment is available		
Steam consumption (measured at one manufacturing site)	7,156,000	8,500,000	-15.8 %

<sup>1</sup> Intergovernmental Panel on Climate Change (IPCC; March 21, 2023) Synthesis Report of the IPCC Sixth Assessment Report (AR6) – Summary for Policymakers. [https://report.ipcc.ch/ar6syr/pdf/IPCC\\_AR6\\_SYR\\_SPM.pdf](https://report.ipcc.ch/ar6syr/pdf/IPCC_AR6_SYR_SPM.pdf)

<sup>2</sup> The scope covers all our manufacturing sites in five locations (Aachen consists of Aachen Site and API Site) including the administrative buildings located on the campus. Affiliate offices are not included.

<sup>3</sup> 2022 figures for energy consumption are not in the scope of the limited assurance audit for 2022 as such, but in this case the figures have been audited because they serve as basis for the calculation of energy intensity, which is in scope of the limited assurance audit for 2022

<sup>4</sup> 2021 figures are not in scope but audited as they were used for calculation of GHG which was under limited assurance

## Energy Intensity

### GRI 302-3, GRI 302-4<sup>1</sup>, GRI 302-5

The Energy Intensity is measured differently at the various manufacturing sites.

- For sites producing Active Pharmaceutical Ingredients (API sites in Aachen and Mitlödi): kWh/tonnes
- For sites producing pharmaceutical goods (Aachen, Santiago and Quito): kWh/1,000 packs produced
- For sites producing multiple tablets (Origgio): kWh/1,000,000 tablets produced



## Energy Intensity and Reduction (Production Facilities<sup>2</sup>)

SITES	UNITS	ENERGY		
		2022	2021 <sup>3</sup>	Change in %
Aachen Site	(kWh/1,000 packs)	92	109	-15.4
API Site (Aachen)	(kWh/tonnes)	220,318	149,463	+47.4 <sup>4</sup>
API Site (Mitlödi)	(kWh/tonnes)	49,459	51,856	-4.6
Origgio Site	(kWh/1,000,000 tablets)	14,289	13,921	+2,64
Quito Site	(kWh/1,000 packs)	169	198	-14,65
Santiago Site	(kWh/1,000 packs)	374	253	+47.8 <sup>5</sup>

<sup>1</sup> This GRI standard is not in the scope of the limited assurance audit for 2022

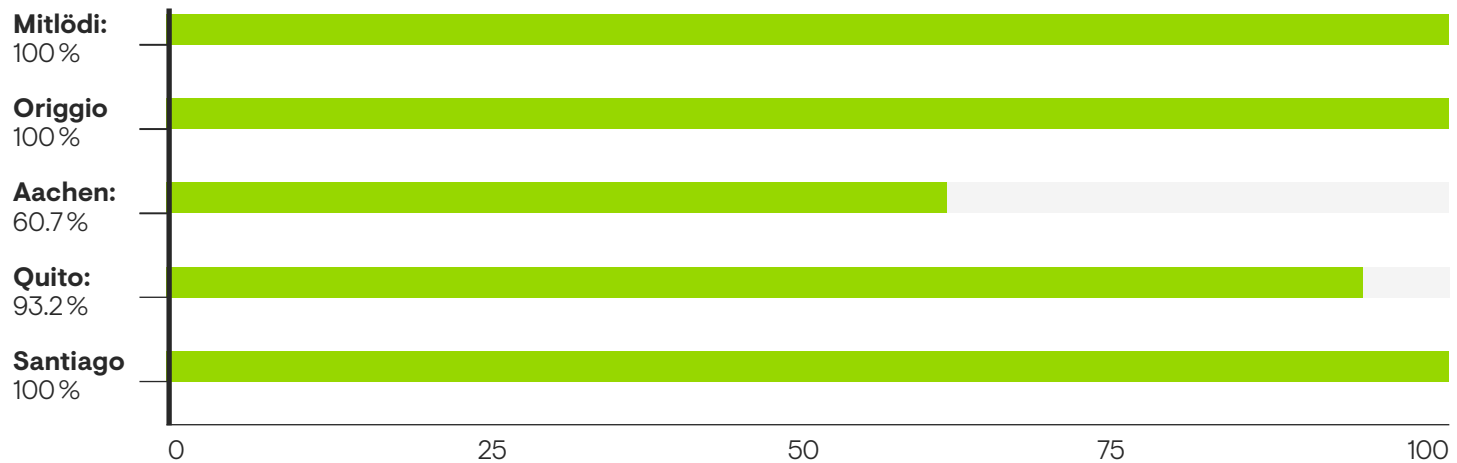
<sup>2</sup> Energy sources used in this calculation include electricity, gas and oil. The scope covers all our manufacturing sites in five locations (Aachen consists of Aachen Site and API Site) excluding the administrative buildings, campus and R&D facilities located on the campus. Affiliate offices are not included.

<sup>3</sup> 2021 figures are not in the scope of the limited assurance audit for 2022

<sup>4</sup> The Aachen API 2022 increase is due to the manufacturing process at the site. Due to a reduction in production volume and the type of product produced in 2022, where there was a higher liquid content which increased the weight, the energy intensity of the API product was higher per tonne.

<sup>5</sup> In 2022, there was a reduction of production volume by 40% at the Santiago site. Consequently, this affected the energy intensity for the site – reduced production combined with a residual energy baseload at the site.

**Renewable Electricity per Site as % of total Electricity purchased (2022)**



The largest global energy source at Grünenthal is currently gas, which is mainly used to generate electricity and heat. Overall, 101,500,180 kWh (2021: 110,950,645 kWh) of our energy consumption currently comes from non-renewable sources. 22,027,901 kWh (2021: 23,583,365 kWh) of our energy consumption comes from conventional electricity. This means a total reduction of 8.2% in energy consumption compared with the previous year.

The share of renewable energy is 13,977,479 kWh (2021: 16,677,356 kWh) in total and 12% of the total share of energy. In terms of energy consumption, reducing the impact on the environment by improving energy use is essential. To achieve our goal of net zero emissions in scope 1 and 2 by 2030, we need to reduce our energy consumption and increase the use of renewable energy.

**Green Energy Transition**

Our manufacturing sites in Mitlödi (Switzerland), Santiago (Chile) and Origgio (Italy) are using 100% renewable electricity.

Priority projects for the next years are heat pump projects and photovoltaic installations. In Origgio, the installation of solar panels has already been started.



## Targeted Measures to reduce Energy Consumption

Energy reduction measures were delivered through planet roadmap initiatives and projects. Key projects implemented in 2022 to decrease energy consumption included the installation of PV modules on the roof of our archive containers in Mitlödi, generating renewable electricity to use on our site as well providing shade to the roof area and reducing the temperature inside the containers to reduce air-conditioning requirements.

Our projects on energy efficiency in buildings focus on optimising cooling systems and heating, ventilation and air-conditioning systems in Aachen, Quito and Origgio.

In 2023 we will publish a corporate energy management standard to standardise the management approach and minimum processes requirements to be established to manage, optimise and minimise the use of energy in Grünenthal's manufacturing activities.

## Water Consumption

### GRI 303-1, GRI 303-2, GRI 303-4

In general, the production of medicines involves a relatively high intensity of water consumption. Water, being an increasingly valuable, limited resource, is therefore closely monitored at our manufacturing sites. We have also included water-related risks in our EIA.

### Water Consumption GRI 303-3, GRI 303-5

	UNITS	2022	2021	CHANGE IN %
<b>Aachen</b>				
Third-party water	megalitres	50.12	65.58	-23.6
<b>Quito</b>				
Groundwater	megalitres	29.78	28.77	+3.5
<b>Mittlödi</b>				
Third-party water	megalitres	4.63	4.7	-1.5
<b>Origgio<sup>1</sup></b>				
Third-party water	megalitres	66.45	60.3	+10.5
<b>Santiago</b>				
Third-party water	megalitres	37.16	45.16	-17.7
<b>Total water consumption</b>				
of which water consumption from areas with water stress (Santiago)	megalitres	N/A	45.16	N/A
of which water consumption from areas with water stress (Aachen and Origgio) - Progress on Level of Water Stress - 2021 Update   UN-Water (unwater.org) 2022	megalitres	116.56	N/A	N/A

<sup>1</sup> In 2022 the production of a new product and related increase in staff has increased the water volumes required. We are closely monitoring this and looking for alternative technologies to reduce consumption.

## Water Stress Risk Assessment shows Risks in some Areas

The term ‘water stress’ describes the ability to meet or not meet the demand for freshwater. The water stress concept incorporates both human and environmental factors. It is, compared with pure water scarcity, a more comprehensive and broader concept. Water stress considers several aspects, such as water availability, water quality, water accessibility or the existence of sufficient infrastructure and affordability of water. Both water use and withdrawal provide useful information and insights into relative water stress.

We are continually analysing the regions in which our production sites are located, and the risk for the sites in Switzerland and Ecuador were classified as ‘low’.

However, the water stress level for Germany, Santiago and Origgio are rated as ‘medium to high’ as according to Progress on Level of Water Stress – 2021 Update | UN-Water (unwater.org).

This fact-based, transparent monitoring enables us to identify possible measures to improve our water management at each site.

## Water Management at our Sites

The local EHS managers at the production sites are responsible for the monitoring of water consumption and wastewater. Overall, water consumption at Grüenthal was reduced by 8% in the reporting year compared with the previous year.

At our sites, water is drawn primarily from the public water supply. Our site in Chile has its own well to ensure water

supply. We are conscious of the difficult situation with a fully privatised water supply in Chile. We are therefore taking an active role as a responsible water consumer in our site’s local communities. Globally, we are continuously working to reduce our water consumption and have set ourselves internal targets.

## Water Discharge

Not only does water consumption play a decisive role, but also the discharge of wastewater. The production of pharmaceutical products generates pollutants that often cannot simply be discharged into the wastewater system and require special treatment.

In 2022 a global wastewater standard was rolled out. This set out guidance for the management of wastewater as

well as requirements of sampling and reporting wastewater quality against local discharge consent requirements. In 2023 we are undertaking a Pharmaceuticals in the Environment (ecotoxicity) assessment for sites to set additional global targets for waste water parameters.

Depending on the location, we have individual approaches for treatment and control before discharge into the municipal sewer system. Furthermore, each site has local discharge requirements. The details are recorded globally and made available at each site.

Special standards apply to those who manufacture Active Pharmaceutical Ingredient. Here, increased requirements apply to the measurement and reporting of active ingredient volume and effluent disposal.

### Example: Wastewater Treatment in Switzerland

For many years, our production site in Switzerland has needed to meet strict regulations for wastewater purity. A special process is used to purify wastewater from the chemical synthesis of active ingredients, for example. In this process, ultraviolet light is used to oxidise biologically active substances or other contaminants to form non-toxic, biodegradable substances. This makes it possible to legally dispose of wastewater via the municipal sewer system.

To demonstrate our compliance with wastewater purity regulations, each batch of processed wastewater is analysed and any contamination is balanced out. The local authorities had previously set limits for the volume of specific substances that could be discharged annually, and they set limits for weekly discharge volumes in 2022.

Our well-established processes for treating, analysing and monitoring wastewater ensure that our site meets the highest standards. We frequently go far beyond regulatory compliance – and achieve wastewater purity that is significantly better than official limits.

## Waste

### GRI 306-1, GRI 306-2

In our corporate activities, waste is generated in particular in production. The waste generated at our production sites also includes a larger amount of hazardous waste produced during the manufacture of pharmaceutical products. These are removed from our sites by registered waste companies and disposed of mainly by incineration, and in some cases with heat recovery. The EHS manager at each site manages the contracts with these specialist companies. Grünenthal has a normalised waste reduction target of 3% per year and a zero waste to landfill target.



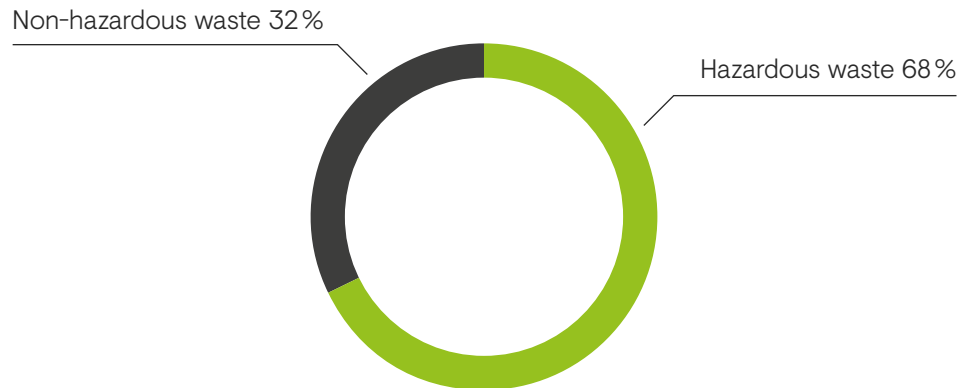
### Waste generated in tonnes GRI 306-3, GRI 306-4, GRI 306-5

	2022	2021	CHANGE IN %
<b>Waste generated in tonnes</b>	<b>6,280</b>	<b>6,687</b>	<b>-6.1</b>
of which hazardous waste	4,297	4,699	-8.6
of which incineration with energy production (1)	610	1,479	-58.8
of which incineration without energy production	3,146	3,474	-9.5
of which recycling	2,487	1,747	+42.4
of which landfill	0 <sup>1</sup>	0	N/A

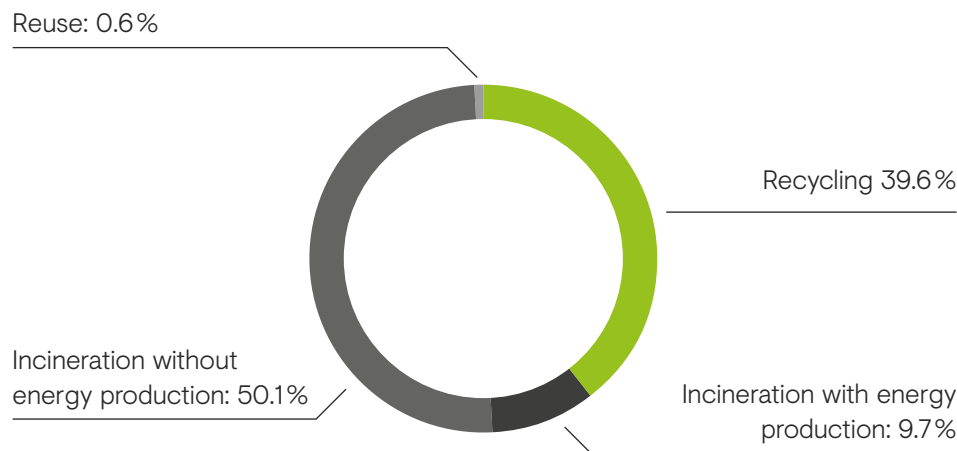
<sup>1</sup> 2.27 tonnes of insulation material was removed at Grünenthal Germany, not related to our manufacturing processes, and disposed of according to German KrWG – Kreislaufwirtschaftsgesetz (2012) as recommended by the local environmental agency. This is the only recommended disposal method for this type of material. The global manufacturing sites continue to operate with no landfill waste disposal.

## Waste Categorization

### Waste types (2022)



### Waste treatment (2022)



### Managing hazardous and non-hazardous Waste

The onsite operations teams collaborate with the onsite EHS manager on waste management. Waste data is provided to the EHS manager by waste suppliers. Reporting of waste data occurs monthly

in an EHS meeting and quarterly in a management review. Data is continuously managed in the EHS IT system and therefore made available to the EHS global team.

The local EHS manager at the operating sites is responsible for ensuring that waste is disposed of in accordance

with local requirements. The disposal of pharmaceutical waste (for incineration) is accompanied by a member of Grünenthal to ensure that the disposal complies with legal obligations. For example, a site employee accompanies the truck with hazardous waste until it arrives at the company that incinerates the products. The authorities perform an inspection for narcotics in both raw materials and finished products and for non-narcotics in finished products to verify that the quantity, batches and concentrations are correct.

In Mitlödi, Switzerland, Grünenthal only works with contractors that are listed in the national list of disposal companies (VEVA), and some of them are also ISO 14001 certified. We have an online tool for VEVA and a database where each legal disposal contractor is listed with the type of waste they are allowed to dispose. Each hazardous waste disposal is accompanied by a disposal certificate and also recorded in the database and all site disposal activities are submitted annually to the authorities locally via an online tool. Visits to the contractors also take place to ensure highest standards.

### Our Goal: optimise Waste Streams

As part of the Planet strategy, packaging and sustainability have been included within the main pillars from 2022 onwards, with the aim of increasing the proportion of recycled material and the recyclability of our packaged pharmaceutical products.

### Our Impact on Climate

**GRI 3-3<sup>1</sup>, GRI 305-1, GRI 305-2, GRI 305-3, GRI 305-4<sup>1</sup>, GRI 305-5**

Climate change is one of the most acute threats to humanity and requires intensive efforts from all of us. At Grünenthal, we want to contribute to reducing CO<sub>2</sub> emissions and become climate neutral in the medium to long term. As a first step, we have set ourselves the goal of achieving Net Zero Emissions for our own sites and our direct emissions by 2030. This means that we want to reduce our direct CO<sub>2</sub> emissions in Scope 1 and our indirect energy-related emissions in Scope 2 to such an extent that they are climate neutral. Scope 1 comprises mobile and stationary combustion and fugitive emissions and Scope 2 includes electricity used at our five global production sites and for car mobility.

The thorough analysis of impacts as well as the risks and opportunities associated with this topic as a part of our double materiality analysis has proven it to be a Material Topic (see chapter 'ESG Management Approaches and Materiality Analysis, Material Topics').

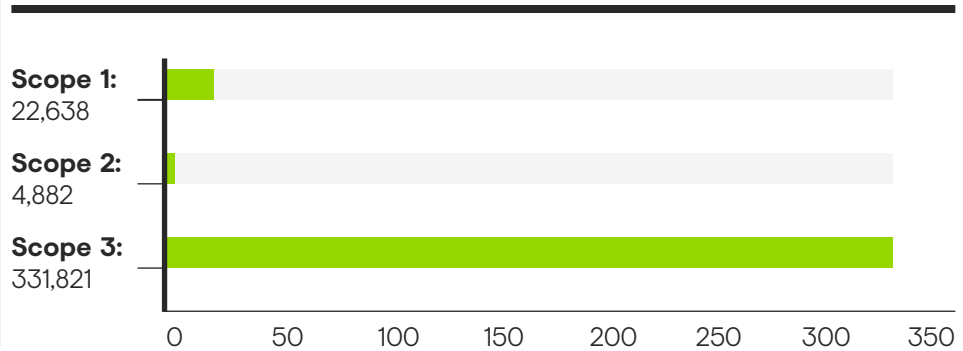
### Our Carbon Footprint

As part of our reporting in the Responsibility Report 2022, we updated our GHG inventory and disclose our latest CO<sub>2</sub> emissions data. In contrast to the overall methodology of reporting 2022 numbers, for GHG we cover the most recently available emissions from the fiscal year 2021. This is due to the fact that 2022 figures are collected by external providers, such as gas- or electricity providers, and were not yet available to us in time for this report.

The 2021 greenhouse gas inventory was again carried out and verified by Nordic Sustainability. All calculations have been made in line with the GHG Protocol Corporate Accounting and Reporting Standard, which provides

requirements and guidance for companies and other organizations preparing a corporate-level GHG emissions inventory. An 'operational control' methodology was selected to determine control. This is defined by the Science Based Targets when, a company accounts for 100% of the emissions from operations at which it has the full authority to introduce and implement operating policies. It does not account for any of the emissions from operations in which it owns an interest but does not have operational control. The baseline for 2020 was recalculated based on improved data quality for total number of sold products and associated downstream transportation. The updates for the baseline and the latest inventory for 2021 are shown below. This impacted the emissions related to Scope 3.

### CO<sub>2</sub> Emissions (tonnes of CO<sub>2</sub>e)



<sup>1</sup> This GRI standard is not in the scope of the limited assurance audit for 2022



Due to internal improvements and an increased maturity in Grünenthal's sustainability journey, several new data sources have been included. These are as follows;

- Refrigerant gasses
- Working from home emissions
- Several more office locations as well as moving several office emissions from Scope 3 to Scopes 1 and 2
- End of life treatment of sold products

4% of the data in category "purchased goods and services" were omitted. Purchased goods and services emissions were calculated based on spend data (including inflation).

The analysis of Scope 1 and 2 showed that emissions from our facilities and

the energy they require account for a share of close to 7% of our total greenhouse gas footprint, and cars in Grünenthal's fleet for less than 1%. The calculation focused on our five manufacturing sites worldwide and affiliate offices in 19 countries.

By reducing its energy consumption by more than 8.2% in gas and electricity due to investments in energy efficiency projects, lower production volumes (up to -40%) and the transition to more renewable energy at our production sites (for example Mitlödi (Switzerland), Santiago (Chile) and Origgio (Italy) started using renewable electricity), Grünenthal was able to reduce its CO<sub>2</sub> emissions in Scope 2 in 2021 by 60.76% compared with 2020. Also, the calculations for our greenhouse gas

emissions, applying the GHG Protocol methodology, show that total emissions in Scope 2 are significantly reduced when using market-based emissions as it incorporates the renewable electricity Grünenthal purchases and reflects the country-specific electricity grid mix improvements in reducing CO<sub>2</sub>.

To reduce our carbon footprint in Scope 1 and 2 even further, we want to continue to increase our share of renewable energy and greatly reduce our gas consumption. Our goal is to move away from gas towards full electrification and the sole purchase of renewable energy.



Breakdown of CO<sub>2</sub> Emissions

SCOPE AND SOURCE	2021 (t CO <sub>2</sub> e) <sup>1</sup>	2020 (t CO <sub>2</sub> e) <sup>2</sup>	2020 (t CO <sub>2</sub> e) <sup>2</sup>	CHANGE IN %
		<i>like-for-like 2020-2021<sup>3,4</sup></i>	<i>As reported in Responsibility Report 2021/22</i>	<i>like-for-like 2020-2021</i>
<b>Scope 1</b>	<b>22,638</b>	<b>22,102</b>	<b>22,102</b>	<b>2 %</b>
Mobile combustion	1,944	2,247	2,247	-13 %
Stationary combustion	19,305	19,855	19,855	-3 %
Refrigerant losses	1,389	-	n/a	n/a
<b>Scope 2</b>	<b>8,513</b>	<b>12,442</b>	<b>12,442</b>	<b>-32 %</b>
Electricity at sites (market based) <sup>5</sup>	4,882	Not reported in 2020	Not reported in 2020	-
Electricity at sites (location based) <sup>6</sup>	8,513	12,436	12,436	-32 %
Cars	0.13	6	6	-98 %
<b>Scope 3</b>	<b>331,821</b>	<b>340,586</b>	<b>435,015</b>	<b>-3 %</b>
Purchased goods and services & capital goods	279,999	301,609	316,870	-7 %
Fuel and energy	4,234	3,800	3,800	11 %
Upstream transportation	6,116	5,007	5,007	22 %
Waste from operations	216	279	279	-23 %
Business travel	1,099	1,153	1,153	-5 %
Employee commuting	2,761	765	765	261 %
Upstream leased assets	Included in Scope 1&2	1,426	1,426	n/a
Downstream transportation	34,741	26,546	105,714	31 %
Processing of sold products	n/a <sup>7</sup>	-	n/a	n/a
End of life	1,837	-	n/a	n/a
Downstream leased assets	Included in Scope 1&2	1	1	n/a
<b>Total CO<sub>2</sub>e emissions</b>	<b>362,972</b>	<b>375,130</b>	<b>469,559</b>	<b>-3 %</b>
Carbon intensity (Total CO <sub>2</sub> emission/number of full-time employees)	86.4	88.08	104.2	-2 %

For Scope 1 emissions (all direct emission from activities of an organisation or under their control) the following sub-sections are applicable to Grünenthal: mobile combustion; stationary combustion and fugitive emissions. Particularly relevant are refrigerant leaks which were calculated based on refrigerant volume and DEFRA 2021 refrigerant gas specific carbon factor. For fleet data, the extrapolation method was used based on 8 months of actual data.

comply with market-based reporting standards. Where data was unavailable (for example, no separate energy meter in Grünenthal offices in shared office buildings) an average based on the occupancy was used. This average utilised the Chartered Institute of Building Service Engineers (CISBE) industry averages. The appropriate average selected for Grünenthal was a standard air-conditioned office with

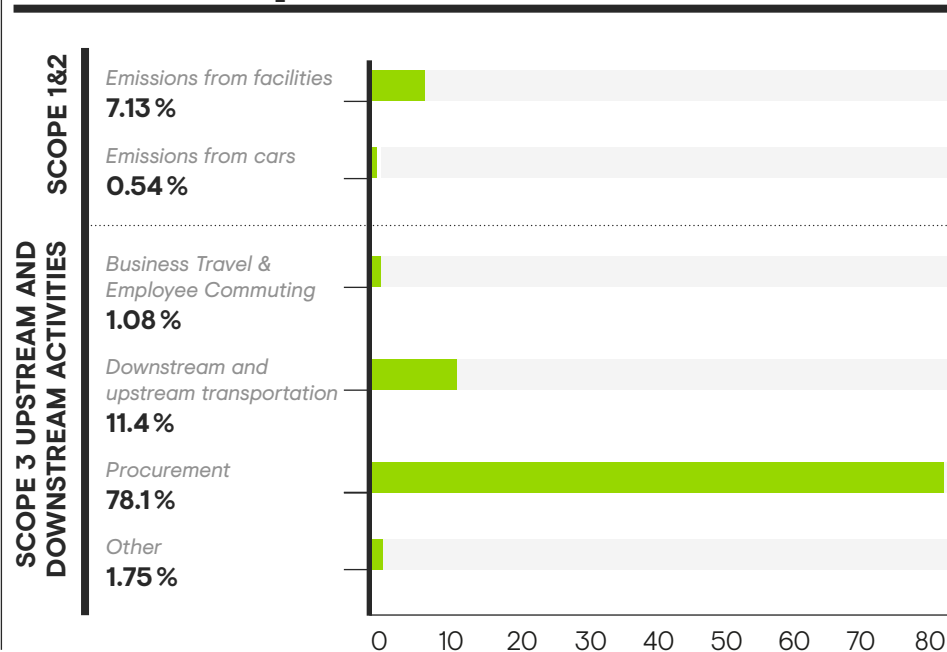
good practice electricity and fossil fuel use.

- Electricity used by cars  
Grünenthal has utilised electric vehicles for some of its owned fleet. These have been captured in Scope 2 as the electricity to charge them is taken directly from Grünenthal operated facilities.

For Scope 2 emissions (indirect emissions often from electricity purchased and used directly by the organisation) the following sub-categories are applicable to Grünenthal:

- Electricity used on site  
Grünenthal directly controls facilities around the world. All manufacturing sites and affiliate offices provided total electricity usage over the year as well as the percentage of renewable electricity provided by their utility provider. To comply with the location-based reporting, these total usages have been multiplied by country specific electricity carbon factors, where possible, and the next best factor where the data was lacking. Further calculations including the percentage of renewables have been calculated to

### Breakdown of CO<sub>2</sub> Emissions



1 In contrast to the overall methodology of reporting 2022 numbers, for GHG we cover the most recently available emissions from the fiscal year 2021. This is due to the fact that 2022 figures are collected by external providers, such as gas- or electricity providers, and were not yet available to us in time for this report  
 2 2020 figures are not in the scope of the limited assurance audit for 2022  
 3 The baseline for 2020 was recalculated based on improved data quality for total number of sold products and associated downstream transportation.  
 4 Due to a change in the methodology applied by our external provider, in this column we are displaying the 2020 figures as calculated on the basis of the 2021 methodology to allow for a comparison with the 2021 figures which were only available to us based on the new methodology.  
 5 The location-based method uses the average emission intensity of the grids in which the electricity consumption takes place ([https://ghgprotocol.org/sites/default/files/Scope2\\_ExecSum\\_Final.pdf](https://ghgprotocol.org/sites/default/files/Scope2_ExecSum_Final.pdf))  
 6 The market-based method reflects the emissions of electricity that a company has chosen to use based on their electricity contracts. It allows to calculate emissions using provider-specific factors from the electric utilities' providers ([https://ghgprotocol.org/sites/default/files/Scope2\\_ExecSum\\_Final.pdf](https://ghgprotocol.org/sites/default/files/Scope2_ExecSum_Final.pdf))  
 7 Excluded from Inventory -Grünenthal produces a huge variety of intermediate products. Due to their many applications and the structuring of data, the associated GHG emissions cannot be tracked in at this stage.

The indirect emissions from upstream and downstream activities within the value chain in our current calculation of Scope 3 amount to 78 % from procured goods and services ('Procurement'). Within the procurement emissions category the main influencing factors are:

- Manufacturing and third-party supply (37%);
- Packaging material and production materials (25%).

As the purchase of products and services ("Procurement") is the largest contributor to overall CO<sub>2</sub> emissions, it is an essential part of our strategy to achieve greater supplier involvement. This includes developing a supplier selection policy to identify suppliers with a better carbon footprint. In addition, we want to encourage innovation in our suppliers' business models that contribute to CO<sub>2</sub> savings. See the section below for details regarding our newly launched

Responsible Sourcing Programme.

The greenhouse gas inventory revealed that user pick-up accounts for the second largest share of emissions. This category describes the journey that product users make from their home to pharmacies or hospitals to receive the product. The influence and relevance for Grünenthal on this distribution channel category is very limited. We are currently taking an observing role on the developments of consumer distribution channel strategies in the relevant markets.

In the current state of our Scope 3 calculations, inbound and outbound transportation account only for about 11.4% of the total carbon footprint, including the so-called 'Last Mile Distribution' (LMD). This means the transport of our products from the inventory-storage facilities to our customers, often being wholesalers, hospitals or other facilities.

In last year's report, we were not yet

able to include LMD into our calculation, but had indicated that doing so would have a significant impact.

Our external logistics providers provided the data and consolidation of purchased upstream transportation and distribution services currently in scope. They provided a detailed breakdown of their trips as well as the methodology chosen to calculate GHG emissions. Calculations are made using the GLEX Framework, which allows using both distance- and fuel-based reporting.

Around 1% of the total emissions in Scope 3 arise from waste from operations and end of life treatment of sold products. All business travel, including hotel night stays, and all different modes of transportation as well as the commute of employees result in approximately 1% of the greenhouse gas emissions.

## Trees for our Planet

PERFORMANCE INDICATOR (GRÜNENTHAL DEFINED METRICS)	ABSOLUTE NUMBER 2022	ABSOLUTE NUMBER 2021
Number of trees planted as part of Grünenthal's #TreesForOurPlanet campaign	11,130	10,033

In 2021 Grünenthal celebrated its 75<sup>th</sup> anniversary and to commemorate this event we began our #TreesForOurPlanet campaign. In 2021 we had the target to plant 7,500 trees and through multiple global team events were able to beat this target and planted over 10,000 trees. This project will be continued over the years ahead. We therefore aim to yearly increase the number of trees we

plant and invite our employees to join to increase our effort. We also ensure that species have been selected to ensure they enhance the local biodiversity and guidance is provided from forestry experts. Although trees absorb carbon dioxide, helping with the defence against climate change, the planting of these trees are not calculated as a carbon offsetting project for Grünenthal.



## My Green Lab Certification

In December 2022, Grünenthal's Research labs at the company's headquarters in Aachen received My Green Lab® certifications after a comprehensive assessment of current practices such as cold storage, lab infrastructure, employee awareness and sustainable purchasing practices. My Green Lab is a non-profit organisation whose programme is recognised by the United Nations Race to Zero campaign as a critical measure of progress towards a zero-carbon future. It is considered the gold standard for laboratory sustainability best practices worldwide.



## Sustainable Procurement

As our Corporate Carbon Footprint shows, the biggest negative impacts of our business activities can be found in our supply chain. Therefore, in 2022 a Responsible Sourcing Programme was initiated with the objective to ensure the Grünenthal Environment, Social and Governance standards with our relevant suppliers and set the environment ambitions in terms of renewable energy with our strategic suppliers. We have a network of more than 10,000 suppliers and around 82% of the total spend is located in North America and Europe (direct suppliers).

The Responsible Sourcing Programme (RSP) will increase transparency and help create a positive ESG impact in our supply chain and connected local communities. More generally, it is our tool to contribute to the 1.5°C goal of the Paris Climate Agreement, meet increased regulatory requirements such as the German Supply Chain Act, and foster Grünenthal's attractiveness to our stakeholders, such as investors.

The Programme has two impact areas along Grünenthal's upstream value chain. Environmentally, it will help reduce net GHG emissions by building a strong collaboration with our strategic suppliers to work on the transition to renewable energy, waste reduction

and improving water usage standards. Regarding social and governance impacts, the RSP will enforce fair working conditions and avoid forced labour in our supply chain, improve tolerance and foster diversity.

Grünenthal's Code of Conduct for Business Partners is the DNA for the Responsible Sourcing Programme. It defines Responsible Sourcing Principles, which stress value beyond savings in supply chain decisions, improve suppliers' ESG data transparency, foster a development and collaboration mindset among suppliers, and leverage the industry ecosystem to drive change.

The operational execution of responsible sourcing at Grünenthal is a six-step cycle. First, the responsible sourcing principles are fully integrated in our procurement process and decision-making. Next, suppliers' ESG risks and impacts are assessed and targets defined jointly. Their compliance is then verified, for example via audits and self-assessments, or public sources. In an effort to help our suppliers become more responsible along with us, collaboration and innovation with our suppliers is a key focus. Their ESG progress is assessed and the best performers rewarded. As last step, we will analyse and report on the progress of the Responsible Sourcing Programme.



## Responsible Sourcing Programme



Our RSP is a work in progress. In 2022, a new ESG TPDD assessing the Environment, Social and Governance impact of our suppliers was launched and applied to new suppliers. We also identified 282 suppliers in high-risk countries with spend above EUR 50,000 a year (around 3% of total suppliers). A data verification through a self-questionnaire and the results of the ESG TPDD will be implemented in 2023. Further, in 2023

we will train internal stakeholders, and start assessing our suppliers, to identify the key suppliers in terms of ESG and their most pressing risk and impact areas. In 2024, the focus will be on collaborating and finding solutions to improve their ESG capabilities, as well as monitoring their progress. This process will be started with the other suppliers in the following year.

## Sustainable Products and Packaging

At Grünenthal, while we ensure our packaging provides necessary protection and safety for the drug and to the patients, we carefully monitor carbon footprint and GHG emissions of our packaging to minimise negative environmental impact. In the first instance, we have established a sustainable packaging strategy which explores and drives progress toward a circular system for packaging across primary, secondary and tertiary packaging and delivers improvement throughout the packaging value chain. We explore and implement opportunities of recyclable packaging systems for various dosage forms according to sustainability packaging guidelines. At our Aachen site, for example, we have successfully implemented high content of recycled material in the secondary packaging. We are also proud to commit to a long-term strategy for sustainable packaging which will benefit both people and planet.

# AUDIT OPINION

## Limited assurance report of the independent practitioner regarding the corporate responsibility reporting

To Grünenthal Pharma GmbH & Co. KG, Aachen/Germany

### Engagement

As requested, we have performed a limited assurance engagement on selected indicators in the corporate responsibility report 2022 that were marked with a line on the left side in the report for the period from January 1 to December 31, 2022 (further “CR report”/“CR reporting”) of Grünenthal Pharma GmbH & Co. KG, Aachen/Germany (“the Company”).

We do not express a conclusion on the information that is marked as excluded, external sources of documentation, interviews or expert opinions stated in the sustainability reporting.

## Responsibilities of the Executive Directors

The executive directors of the Company are responsible for the preparation of the CR report in accordance with the principles stated in the Sustainability Reporting Standards of the Global Reporting Initiative (hereafter referred to as “GRI Principles”).

These responsibilities of the executive directors include the selection and application of appropriate methods for CR reporting and the use of assumptions and estimates for individual disclosures which are reasonable under the given circumstances. In addition, the executive directors are responsible for such internal control as they have determined necessary to enable the preparation of a CR report that is free from material misstatement, whether due to fraud or error.

## Responsibilities of the Independent Practitioner

Our responsibility is to express a conclusion on selected indicators in the CR report based on our work performed within our limited assurance engagement.

Our audit firm applies the Quality Assurance Standard: Quality Assurance Requirements in Audit Practices (IDW QS 1) promulgated by the Institut der Wirtschaftsprüfer (IDW). We have fulfilled the professional responsibilities in accordance with the German Public Auditor Act (WPO) and the Professional Code of Conduct for German Public Auditors and Sworn Auditors (BS WP/vBP) including the requirements on independence.

We conducted our work in accordance with the International Standard on Assurance Engagements 3000 (Revised): Assurance Engagements Other than Audits or Reviews of Historical Financial Information (ISAE 3000 (Revised)), developed and approved by the IAASB. This Standard requires that we plan and perform the assurance engagement so that we can conclude



with limited assurance whether matters have come to our attention to cause us to believe that the selected indicators in the corporate responsibility report of Grünenthal Pharma GmbH & Co. KG for the period from January 1 to December 31, 2022, has not been prepared, in all material respects, in accordance with the GRI Principles. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement; consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. The choice of assurance work is subject to the practitioner's professional judgment.

Within the scope of our limited assurance engagement, we notably performed, among others, the following procedures and other work:

- Gaining an understanding of the structure of the sustainability organization, and of the stakeholders' engagement
- Inquiries of relevant personnel involved in the preparation of the CR report about the preparation process and about the internal control relating to this process
- Identification of potential risks of material misstatement concerning the information in the corporate responsibility report
- Analytical evaluation of the information in the CR report
- Comparison of disclosures with corresponding data in the consolidated financial statements, the annual

financial statements and the combined management report Assessment of the presentation of the information

- Assessment of the presentation of the information

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion.

### Practitioner's conclusion

Based on the work performed and the evidence obtained, nothing has come to our attention that causes us to believe that the selected indicators in the corporate responsibility report of Grünenthal Pharma GmbH & Co. KG for the period from January 1 to December 31, 2022, has not been prepared, in all material respects, in accordance with the GRI Principles.

We do not express a conclusion on the information that is marked as excluded, external sources of documentation, interviews or expert opinions stated in the sustainability reporting.

### Restriction of Use

We issue this report as stipulated in the engagement letter agreed with Grünenthal Pharma GmbH & Co. KG. We are liable solely to Grünenthal Pharma GmbH & Co. KG, Aachen/Germany, and our liability is governed by the engagement letter agreed with the Company as well as the "General Engagement Terms for Wirtschaftsprüfer und Wirtschaftsprüfungsgesellschaften (German Public Auditors and Public Audit Firms)" (IDW-AAB) in the version

dated January 1, 2017. We draw attention to the fact that the assurance engagement was performed for the purposes of Grünenthal Pharma GmbH & Co. KG and the report is solely designed for informing Grünenthal Pharma GmbH & Co. KG about the findings of the assurance engagement. Therefore, it may not be suitable for another than the aforementioned purpose. Hence, this report should not be used by third parties as a basis for any (asset) decision. We are responsible solely to the Company. However, we do not accept or assume any responsibility to third parties. Our conclusion was not modified in this respect.

Cologne/Germany, April 21, 2023

### Deloitte GmbH

Wirtschaftsprüfungsgesellschaft

Sebastian Dingel      ppa. Arne Vilmar

# GRI CONTENT INDEX

Statement of use	Grünenthal has reported in accordance with the GRI standards for the period 01.01.2022 – 31.12.2022
GRI 1 used	GRI 1: Foundation 2021
Applicable GRI Sector Standard(s)	Not applicable

GRI STANDARD	DISCLOSURE	PAGE	COMMENTS	UN GLOBAL COMPACT PRINCIPLES
<b>General Disclosures 2021</b>				
<b>GRI 2:</b> General Disclosures 2021	2-1 Organizational details	3, 4, 26		
	2-2 Entities included in the organization's sustainability reporting	4		
	2-3 Reporting period, frequency and contact point	3		
	2-4 Restatements of information	3		
	2-5 External assurance	3		
	2-6 Activities, value chain and other business relationships	4		
	2-7 Employees	64		
	2-8 Workers who are not employees	-	No disclosure as there is no consolidated data available. The hiring of freelancers, consultants, etc. is not centralised.	
	2-9 Governance structure and composition	26		
	2-10 Nomination and selection of the highest governance body	26		
	2-11 Chair of the highest governance body	26		
	2-12 Role of the highest governance body in overseeing the management of impacts	25		

<b>GRI STANDARD</b>	<b>DISCLOSURE</b>	<b>PAGE</b>	<b>COMMENTS</b>	<b>UN GLOBAL COMPACT PRINCIPLES</b>
	2-13 Delegation of responsibility for managing impacts	25		
	2-14 Role of the highest governance body in sustainability reporting	25		
	2-15 Conflicts of interest	30		
	2-16 Communication of critical concerns	30		
	2-17 Collective knowledge of the highest governance body	25		
	2-18 Evaluation of the performance of the highest governance body	27		
	2-19 Remuneration policies	27		
	2-20 Process to determine remuneration	27		
	2-21 Annual total compensation ratio	-	No disclosure as no consolidated data is available.	
	2-22 Statement on sustainable development strategy	6		
	2-23 Policy commitments	30		
	2-24 Embedding policy commitments	30		
	2-25 Processes to remediate negative impacts	30		
	2-26 Mechanisms for seeking advice and raising concerns	30		
	2-27 Compliance with laws and regulations	33		
	2-28 Membership associations	15		
	2-29 Approach to stakeholder engagement	14		
	2-30 Collective bargaining agreements		There are no collective bargaining agreements at Grünenthal. For detailed information on our remuneration policies, please see p. 70	

<b>GRI STANDARD</b>	<b>DISCLOSURE</b>	<b>PAGE</b>	<b>COMMENTS</b>	<b>UN GLOBAL COMPACT PRINCIPLES</b>
<b>Material topics</b>				
<b>GRI 3:</b> Material Topics 2021	3-1 Process to determine material topics	17		
	3-2 List of material topics	18		
<b>Material topic: Compliance, Ethics &amp; Transparency Excellence</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	30		1, 2, 3, 4, 5, 10
<b>GRI 205:</b> Anti-corruption	205-1 Operations assessed for risks related to corruption	33		
	205-2 Communication and training about anti-corruption policies and procedures	33		
	205-3 Confirmed incidents of corruption and actions taken	33		
<b>GRI 206:</b> Anti-Competitive Behavior	206-1 Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	33		
<b>Material topic: Responsible Use of Pain Medication</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	45	Own disclosure	
<b>Material topic: Product Governance &amp; Safety</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	58		
<b>GRI 416:</b> Customer Health & Safety	416-1 Assessment of the health and safety impacts of product and service categories	58		
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	33		
<b>Material topic: Responsible Innovation</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	56	Own disclosure	

<b>GRI STANDARD</b>	<b>DISCLOSURE</b>	<b>PAGE</b>	<b>COMMENTS</b>	<b>UN GLOBAL COMPACT PRINCIPLES</b>
<b>Material topic: Awareness &amp; Accessibility</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	52	Own disclosure	
<b>Material topic: Human Capital Fairness</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	65		
<b>GRI 403:</b> Occupational Health and Safety	403-1 Occupational health and safety management system	66		
	403-2 Hazard identification, risk assessment, and incident investigation	66		
	403-3 Occupational health services	66		
	403-4 Worker participation, consultation, and communication on occupational health and safety	66		
	403-5 Worker training on occupational health and safety	66		
	403-6 Promotion of worker health	66		
	403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	66		
	403-8 Workers covered by an occupational health and safety management system	66		
	403-9 Work-related injuries	67		
<b>Material topic: Employee Engagement</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	74		
<b>GRI 401:</b> Employment	401-1 New employee hires and employee turnover	73		
<b>GRI 404:</b> Training and Education	404-2 Programs for upgrading employee skills and transition assistance programs	74, 75		

<b>GRI STANDARD</b>	<b>DISCLOSURE</b>	<b>PAGE</b>	<b>COMMENTS</b>	<b>UN GLOBAL COMPACT PRINCIPLES</b>
	404-3 Percentage of employees receiving regular performance and career development reviews	74, 75		
<b>Material topic: Equality, Diversity &amp; Inclusion</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	68		6
<b>GRI 405:</b> Diversity and Equal opportunity	405-1 Diversity of governance bodies and employees	68		
<b>GRI 406:</b> Non-Discrimination	406-1 Incidents of discrimination and corrective actions taken	68		
<b>Material topic: Attractive Employer</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	70	Own disclosure	
<b>Material topic: Environmental Excellence Strategy</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	79	Own disclosure	7, 8, 9
<b>Material topic: Responsible Use of Resources</b>				
<b>GRI 3:</b> Material Topics 2021	3-3 Management of material topics	81		
<b>GRI 302:</b> Energy	302-1 Energy consumption within the organization	81		
	302-3 Energy intensity	82		
	302-4 Reduction of energy consumption	82		
	302-5 Reductions in energy requirements of products and services	82		
<b>GRI 303:</b> Water and Effluents	303-1 Interactions with water as a shared resource	84		
	303-2 Management of water discharge-related impacts	84		
	303-3 Water withdrawal	84		
	303-4 Water discharge	84		

<b>GRI STANDARD</b>	<b>DISCLOSURE</b>	<b>PAGE</b>	<b>COMMENTS</b>	<b>UN GLOBAL COMPACT PRINCIPLES</b>
	303-5 Water consumption	84		
<b>GRI 306: Waste</b>	306-1 Waste generation and significant waste-related impacts	86		
	306-2 Management of significant waste-related impacts	86		
	306-3 Waste generated	86		
	306-4 Waste diverted from disposal	86		
	306-5 Waste directed to disposal	86		
<b>Material topic: Our Impact on Climate</b>				
<b>GRI 3: Material Topics 2021</b>	3-3 Management of material topics	88		7
<b>GRI 305: Emissions</b>	305-1 Direct (Scope 1) GHG emissions	88		
	305-2 Energy indirect (Scope 2) GHG emissions	88		
	305-3 Other indirect (Scope 3) GHG emissions	88		
	305-4 GHG emissions intensity	88		
	305-5 Reduction of GHG emissions	88		
	305-6 Emissions of ozone-depleting substances (ODS)	-	The emission of ozone-depleting substances is not significant at Grüenthal.	
	305-7 Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	-	The emission of NOX and SOX is not significant at Grüenthal.	

## Copyright

Page 50: © Petra Eich

Page 70/71: © Petra Eich

Page 83: © Wolfgang Zwanzger – stock.adobe.com.

Page 89: © sarayut\_sy – stock.adobe.com.

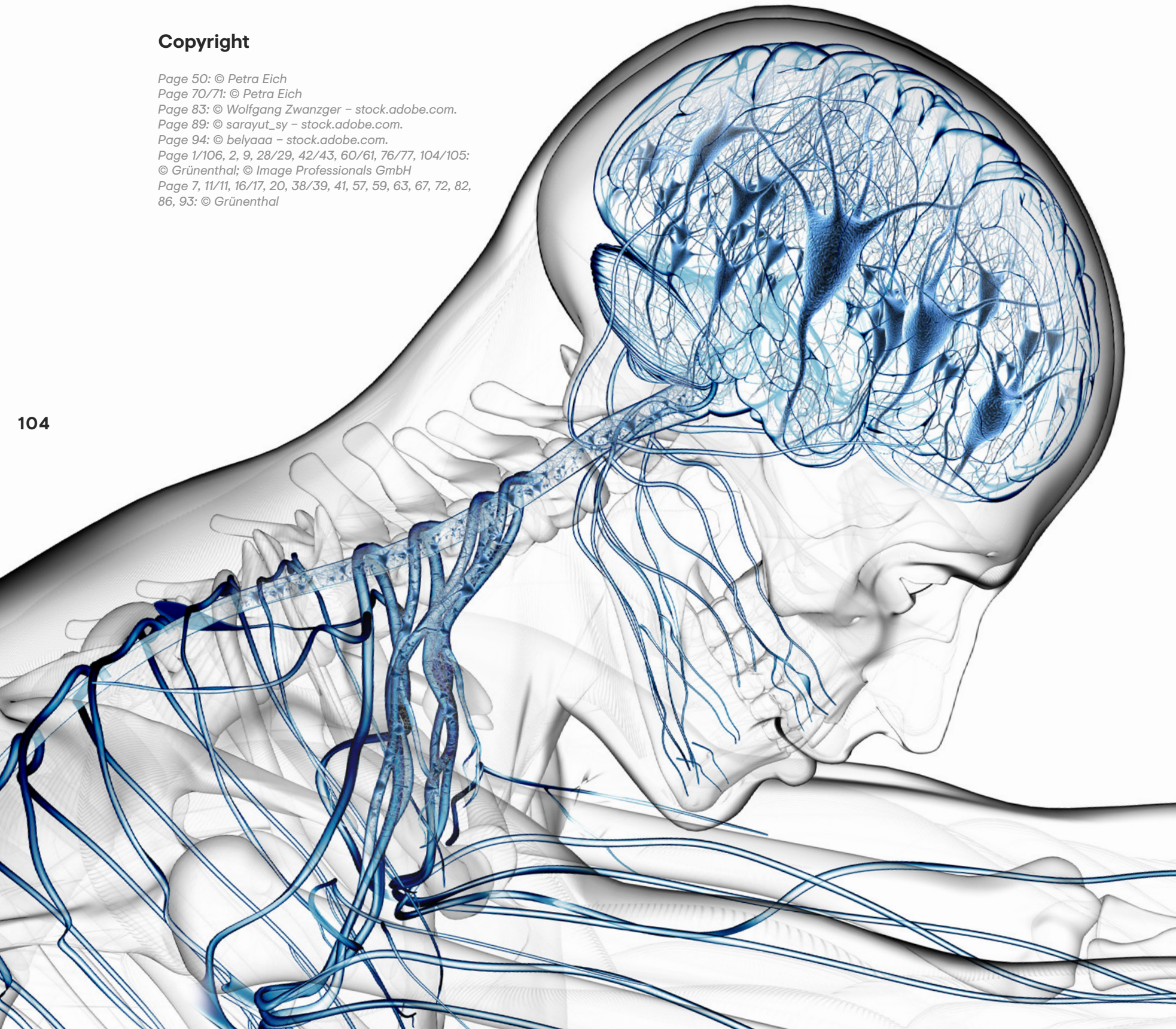
Page 94: © belyaaa – stock.adobe.com.

Page 1/106, 2, 9, 28/29, 42/43, 60/61, 76/77, 104/105:

© Grünenthal; © Image Professionals GmbH

Page 7, 11/11, 16/17, 20, 38/39, 41, 57, 59, 63, 67, 72, 82,

86, 93: © Grünenthal





# IMPRINT

## Contact

Prof. Dr. Cordula Meckenstock  
Chief Responsibility Officer  
E-Mail: [esg@grunenthal.com](mailto:esg@grunenthal.com)

## Publisher

### Grünenthal Pharma GmbH & Co. KG

Zieglerstraße 6  
52078 Aachen  
Germany  
Phone: +49 241 569 0  
E-Mail: [info@grunenthal.com](mailto:info@grunenthal.com)  
[www.grunenthal.com](http://www.grunenthal.com)

105

## ESG consulting, editing and communication

SILVESTER GROUP, Hamburg  
[www.silvestergroup.com](http://www.silvestergroup.com)

## Design

tom'tom creatives, Aachen  
[www.tomtom-creatives.de](http://www.tomtom-creatives.de)



For more information, please visit  
[www.grunenthal.com](http://www.grunenthal.com)

[www.linkedin.com/company/gruenenthal](http://www.linkedin.com/company/gruenenthal)  
[www.instagram.com/grunenthal/](http://www.instagram.com/grunenthal/)

