

We report on the effectiveness of our material nonfinancial topics by monitoring key performance indicators (KPI). This overview contains both audited and non-audited data. Audited KPIs are taken from the Annual Report 2022. Additional non-audited KPIs are provided in our Sustainability Report as well as on our corporate website. This overview is currently only available in English.

Fresenius Group Annual Report 2022

Fresenius Group Sustainability Report 2022

### 1. Quality

1.1 Patients treated	2022	2021	2020	2019	2018
in dialysis centers	344,687	345,425	346,553	345,096	333,331
in hospitals and outpatient centers of					
Fresenius Helios	24,361,372	22,567,138	20,189,521	20,962,664	18,639,511
in Helios' facilities in Germany in Helios' facilities in Spain and Latin	5,508,108	5,444,546	5,151,717	5,566,613	5,321,445
America	18,853,264	17,122,592	15,037,804	15,396,051	13,318,066

1.2 Healthcare facilities	2022	2021	2020	2019	2018
Dialysis centers worldwide	4,116	4,171	4,092	3,994	3,928
Acute care clinics	145	146	141	134	130
thereof Germany	87	90	89	83	83
thereof Spain and Latin America	58	56	52	51	47

1.3 Number of Beds					
(Acute care)	2022	2021	2020	2019	2018
Clinics Germany	29,786	29,955	29,451	28,380	28,802
Clinics Spain and Latin America	8,259	8,174	7,936	7,288	7,019

1.4 Quality Commitment <sup>1</sup>	2022	2021	2020	2019	2018
Coverage by external quality management					
standard	100%	n.a.	n.a.	n.a.	n.a.
thereof ISO 9001 coverage	61%	n.a.	n.a.	n.a.	n.a.
Internal standard or policy	100%	n.a.	n.a.	n.a.	n.a.
Regulatory requirement					
(e.g. national law)	100%	n.a.	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>1</sup> Coverage within the business segments depends on the applicability of standards or policies; focus on operations and hospitals

1.5 Quality Management in					
Patient Care	2022	2021	2020	2019	2018
Fresenius Medical Care					
Global hospitalization rate per patient in					
days	10.6	10.7	n.a.	n.a.	n.a.
Net Promoter Score (NPS)	71	71	67	n.a.	n.a.



	2022	2021	2020	2019	2018
Fresenius Helios, Germany					
Average length of stay	5.8	5.7	5.7	5.8	5.9
G-IQI targets achieved	87.0%	86.8%	88.4%	87.7%	87.7%
Peer Reviews	9	7	8	60	55
Patient safety events recorded	54	85	105	n.a.	n.a.
Allegations of treatment errors (justified					
or unjustified)	828	768	958	1,082	1,051
Average treatment errors per 1,000					
patients <sup>1</sup>	0.8	0.8	0.9	0.9	0.9
CIRS reports (Critical Incident Reporting					
System)	737	576	485	n.a.	n.a.
Fresenius Helios, Spain					
Net Promoter Score, Spain	56	50	54	55	n.a.
Total Reports (NPS), Spain	652,269	534,930	361,800	426,061	n.a.
Peer Reviews	4	4	2	8	n.a.
Patient Safety Incidents	11,299	8,508	4,897	4,350	n.a.

<sup>&</sup>lt;sup>1</sup> Average allegation of treatment error (justified or unjustified) per 1,000 patients; incl. all specialties and all stages of treatment, from patient information, diagnostics, surgery, and therapy and to aftercare.

1.6 Quality Management in	2022	2021	2020	2019	2018
Fresenius Medical Care					
Audit Score <sup>1</sup>	0.3	0.1	0.2	0.2	0.3
Certification audits performed at					
production sites	>50	>50	>60	n.a.	n.a.
Fresenius Kabi					
Audit and inspection score <sup>2</sup>	2.3	1.9	1.3	1.5	1.8
Internal audits	45	58	42	60	>70
External audits and inspections	87	94	59	64	>90

<sup>&</sup>lt;sup>1</sup> FME: The audit score measures performance in certification audits and indicates the ratio of major and critical findings to the number of external audits.

## 2. Innovation and Digitalization

2.1 Research and Development	2022	2021	2020	2019	2018
<b>R&amp;D expenses</b> , € in millions <sup>1</sup>	852	818	748	677	649
as % of product revenue	7.2	7.5	7.2	6.8	6.7

 $<sup>^{\</sup>rm 1}$  for special items, see page 40 of the Annual Report 2022

2.2 Clinical Study Management	2022	2021	2020	2019	2018
Fresenius Helios, Germany					
Clinical studies, total	337	424	468	n.a.	n.a.
Helios employees as initiator	58	143	133	n.a.	n.a.

<sup>&</sup>lt;sup>2</sup> For the calculation of the audit and inspection score, Fresenius Kabi takes into account all information on findings from audits and inspections received by the company before December 31 of the reporting year.



	2022	2021	2020	2019	2018
$\it funded$ $\it ^1$	100	140	163	n.a.	n.a.
Academically-led or publicly-sponsored					
studies with industry support; trial drugs					
typically provided <sup>2</sup>	54	30	47	n.a.	n.a.
Industry-sponsored studies <sup>3</sup>	125	111	125	n.a.	n.a.
Fresenius Helios, Spain					
Clinical studies, total	1,314	1,323	1,230	n.a.	n.a.
Observation studies	303	350	> 370	n.a.	n.a.
Research initiatives	705	780	> 600	n.a.	n.a.

 $<sup>^{\</sup>rm 1}$  The majority of these studies are led by universities, mostly with public research funding.

## 3. Employees

3.1 Headcount, FTE	2022	2021	2020	2019	2018
Headcount, total	316,920	316,078	311,269	294,134	276,750
Fresenius Medical Care	128,044	130,251	133,129	128,300	120,328
Fresenius Kabi	42,063	41,397	40,519	39,627	37,843
Fresenius Helios	125,700	123,484	116,952	106,377	100,144
Fresenius Vamed	20,184	19,721	19,414	18,592	17,299
Corporate / Other	929	1,225	1,255	1,238	1,136
Headcount, by function					
Production	43,801	42,841	41,995	42,572	41,100
Service	225,695	224,944	222,427	208,070	194,868
Administration	30,622	31,072	30,173	28,157	26,112
Sales and marketing	13,003	13,565	13,109	11,923	11,628
Research and development	3,799	3,656	3,565	3,412	3,042
FTE, total	282,024	281,011	277,822	262,904	246,329
Fresenius Medical Care	120,216	122,909	125,364	120,659	112,658
Fresenius Kabi	40,286	39,579	39,032	38,264	36,423
Fresenius Helios	104,509	101,652	96,899	88,057	82,522
Fresenius Vamed	16,182	15,730	15,364	14,770	13,665
Corporate / Other	831	1,141	1,166	1,154	1,060

3.2 Recruiting / staff loyalty	2022	2021	2020	2019	2018
New hires, % <sup>1, 2</sup>	22.3	22.0	n.a.	n.a.	n.a.
Fresenius Medical Care	26.0	23.7	23.1	24.7	21.7
Fresenius Kabi	16.9	17.1	13.5	17.1	16.9
Fresenius Helios	20.0	22.9	18.0	16.9	19.9
Fresenius Vamed	23.6	18.4	18.4	17.8	22.5
Corporate / Other	14.5	11.0	6.1	11.2	12.5
New hires, in % 4 by region					
Europe	18.3	19.4	n.a.	n.a.	n.a.
North America	28.8	22.8	n.a.	n.a.	n.a.
Asia-Pacific	22.7	20.4	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>2</sup> The majority of these studies are led by universities/professional societies, but are supported by drug/medical devices manufacturers, which usually extends to the provision of the drugs/medical devices.

<sup>&</sup>lt;sup>3</sup> The majority of these studies are supported by the pharmaceutical industry; less than 20% are medical device manufacturers.



	2022	2021	2020	2019	2018
Latin America	30.3	37.3	n.a.	n.a.	n.a.
Africa	14.3	13.9	n.a.	n.a.	n.a.
Total turnover, % <sup>4</sup>	29.9	n.a.	n.a.	n.a.	n.a.
dismissal, % <sup>5</sup>	1.8	n.a.	n.a.	n.a.	n.a.
thereof termination within probation					
period <sup>5</sup>	1.0	n.a.	n.a.	n.a.	n.a.
Voluntary turnover, % <sup>2, 3</sup>	14.7	12.8	9.8	11.0	9.8
Fresenius Medical Care	20.0	16.5	11.9	14.3	13.2
Fresenius Kabi	11.4	11.3	7.1	9.2	9.4
Fresenius Helios	11.1	10.1	90.0	8.6	5.8
Fresenius Vamed	10.7	9.3	7.8	7.6	9.5
Corporate / Other	14.2	3.5	1.7	3.5	3.8
Voluntary turnover, in % by region					
Europe	10.5	9.3	n.a.	n.a.	n.a.
North America	20.0	14.4	n.a.	n.a.	n.a.
Asia-Pacific	15.6	16.0	n.a.	n.a.	n.a.
Latin America	25.6	26.6	n.a.	n.a.	n.a.
Africa	11.0	9.4	n.a.	n.a.	n.a.
Employee engagement index	4.1	n.a.	n.a.	n.a.	n.a.
participation rate	56%	n.a.	n.a.	n.a.	n.a.
Average length of service, years <sup>2</sup>	8.4	8.3	8.2	8.1	8.2
Fresenius Medical Care	7.9	7.6	7.3	6.8	7.1
Fresenius Kabi	7.9	7.9	7.9	8.6	7.5
Fresenius Helios	9.2	9.3	9.4	9.9	9.9
Fresenius Vamed	8.5	7.8	7.7	6.9	7.8
Corporate / Other	7.8	7.8	7.5	7.3	7.3
Average length of service (years), by region					
Europe	8.8	7.8	n.a.	n.a.	n.a.
North America	7.6	7.5	n.a.	n.a.	n.a.
Asia-Pacific	6.6	6.3	n.a.	n.a.	n.a.
Latin America	6.9	6.6	n.a.	n.a.	n.a.
Africa	7.0	7.3	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>1</sup>Calculated as the number of external hires in a business segment within the reporting period, relative to the number of employees at year-end.

<sup>5</sup> Excluding entities of Fresenius Medical Care and Fresenius Kabi outside Germany; excl. Fertility business outside Spain

3.3 Diversity, Equity and					
Inclusion	2022	2021	2020	2019	2018
Headcount, female employees	217,525	216,592	212,528	200,505	188,873
Headcount, by region and gender					
Europe	181,017	180,122	174,835	165,862	158,939
thereof Germany	98,920	98,754	96,915	91,014	88,086
female	71%	n.a.	n.a.	n.a.	n.a.
male	29%	n.a.	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>2</sup> The data contains the hospitals in Latin America as of 2020. Data for 2022 contains the Spanish entities of the fertilitiy services division.

<sup>&</sup>lt;sup>3</sup> Calculated as the number of employees who left the organization voluntarily in relation to the number of employees at the end of the year.

<sup>4</sup> Total turnover includes contracts which ended in 2022; only voluntary turnover of Fresenius Kabi outside Germany.



	2022	2021	2020	2019	2018
diverse	0%	n.a.	n.a.	n.a.	n.a.
Europe excl. Germany	82,097	81,368	77,920	74,848	70,853
female	69%	n.a.	n.a.	n.a.	n.a.
male	31%	n.a.	n.a.	n.a.	n.a.
North America	77,614	76,740	75,837	74,894	72,672
female	72%	n.a.	n.a.	n.a.	n.a.
male	28%	n.a.	n.a.	n.a.	n.a.
Asia-Pacific	26,833	27,145	27,805	27,457	25,575
female	57%	n.a.	n.a.	n.a.	n.a.
male	43%	n.a.	n.a.	n.a.	n.a.
Latin America	29,529	30,192	30,871	23,998	17,610
female	63%	n.a.	n.a.	n.a.	n.a.
male	37%	n.a.	n.a.	n.a.	n.a.
Africa	1,927	1,879	1,921	1,923	1,954
female	62%	n.a.	n.a.	n.a.	n.a.
male	38%	n.a.	n.a.	n.a.	n.a.
Female employees in Fresenius Group, %	69	69	68	68	68
Fresenius Medical Care	69	69	69	69	69
Fresenius Kabi	51	51	50	50	50
Fresenius Helios	<i>75</i>	<i>75</i>	<i>75</i>	<i>75</i>	<i>7</i> 5
Fresenius Vamed	63	62	62	63	64
Corporate / Other	46	40	38	39	39
Share of women in management	22.00/	22.69/	21.69/	21 69/	20.20/
participating in LTIP	33.9%	32.6%	31.6%	31.6%	30.3%
Employees with disability <sup>1</sup>					
in Germany	5,082	5,051	5,027	4,724	4,444
in % of employees	5.1%	5.1%	5.2%	5.2%	5.0%
in Europe	5,540	5,531	5,452	5,171	n.a.
in % of employees	3.7%	4.0%	4.1%	4.1%	n.a.
Nationalities (German entities)	>145	>140	>150	>150	n.a.
Age structure (Headcount)					
Below 30 years, in %	18	19	19	19	18
Between 30 and 50 years, in %	54	55	55	55	55
Above 50 years, in %	28	26	26	26	27
Average age (Headcount), years <sup>2</sup>	42.5	41.6	41.7	41.0	41.0
Fresenius Medical Care	44.1	42.1	41.7	40.8	40.8
Fresenius Kabi	39.5	39.2	39.9	38.7	38.4
Fresenius Helios	41.6	41.5	41.6	42.0	41.7
Fresenius Vamed	44.1	44.3	44.0	41.2	43.6
Corporate / Other	38.9	39.7	39.3	39.1	38.9

<sup>&</sup>lt;sup>1</sup> Scope: Total staff Germany; Europe: clinics of Fresenius Helios in Spain as of 2019; European entities of Fresenius Vamed as of 2022.

<sup>&</sup>lt;sup>2</sup> The data from Helios Spain contains the hospitals in Latin America as of 2020. Data for 2022 at Fresenius Helios contains the Spanish entities of the fertilitiy services division.



3.4 Working Models	2022	2021	2020	2019	2018
Full-time employees <sup>1</sup>					
share of men	87%	82%	82%	n.a.	n.a.
share of women	74%	58%	58%	n.a.	n.a.
Employees working full-time <sup>1</sup>	78%	65%	65%	n.a.	n.a.
thereof male	32%	36%	36%	n.a.	n.a.
thereof female	68%	64%	64%	n.a.	n.a.
Part-time employees <sup>1</sup>					
share of men	13%	18%	18%	n.a.	n.a.
share of women	26%	42%	42%	n.a.	n.a.
Employees working part-time <sup>1</sup>	22%	35%	36%	n.a.	n.a.
thereof male	17%	15%	15%	n.a.	n.a.
thereof female	83%	85%	85%	n.a.	n.a.
Parental leave, % <sup>2</sup>	5%	5%	5%	n.a.	n.a.
thereof male, %	19%	21%	18%	n.a.	n.a.
thereof female, %	81%	80%	82%	n.a.	n.a.
Parental leave, % by region					
Europe	6%	n.a.	n.a.	n.a.	n.a.
Germany	6%	6%	6%	n.a.	n.a.

<sup>&</sup>lt;sup>1</sup> 2022: Scope of 85% of employees globally. 2021 German entities and business segment Fresenius Helios (excl. Fertility business); 2020 only Germany

<sup>&</sup>lt;sup>2</sup> 2022: Scope of around 50% of global employees

3.5 Employee participation and					
collective bargaining	2022	2021	2020	2019	2018
Employees covered by collective					
bargaining agreements <sup>1</sup>					
Europe	79%	78%	77%	71%	n.a.
Outside Europe	15%	15%	n.a.	n.a.	n.a.
Global	55%	54%	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>1</sup> Based on about 91% of Fresenius Group total employees.

3.6 Board Diversity	2022	2021	2020	2019	2018
Management Board					
Share of women	17%	14%	14%	14%	14%
members between 30 and 50 years	17%	14%	14%	14%	14%
members over 50 years	83%	86%	86%	86%	86%
Non-Germans	33%	43%	57%	57%	57%
Average tenure (years)	5.2	7.9	8.0	8.9	7.9
Supervisory Board <sup>1</sup>					
Share of women	42%	42%	42%	33%	33%
members between 30 and 50 years	17%	17%	17%	8%	8%
members over 50 years	83%	83%	83%	92%	92%
Non-Germans	17%	17%	25%	25%	25%
Average tenure (years)	5.3	6.0	6.5	6.6	5.6

<sup>&</sup>lt;sup>1</sup> Applies to total board



3.7 OHS	2022	2021	2020	2019	2018
LTIFR					
Fresenius Medical Care	0.7	n.a.	n.a.	n.a.	n.a.
Fresenius Kabi	2.9	2.4	2.3	2.6	
Number of work-related fatalities (Group)	0	n.a.	n.a.	n.a.	n.a.
TRIR					
Fresenius Medical Care	2.55	n.a.	n.a.	n.a.	n.a.

3.7 Labor Cost	2022	2021	2020	2019	2018
Personnel expenses					
in total, € million	17,378	15,610	15,128	14,355	13,426
thereof wages and salaries	14,105	12,679	12,357	11,651	10,753
per average employee (€ thou.)	54.6	49.8	49.5	49.5	48.6
in % of sales	42.6	41.6	41.7	40.5	40.4
Average employee compensation, in € 1	44,507	40,114	39,699	39,611	38,855
Ratio CEO <sup>2</sup> /Avg. Employee					
compensation, %	104.48	91.09	92.02	139.38	143.36

<sup>&</sup>lt;sup>1</sup> Calculated as total wages and salaries divided by total headcount

# 4. Compliance & Integrity

4.1 Compliance	2022	2021	2020	2019	2018
Reports, total	375	2,119	1,729	n.a.	n.a.
business Integrity	88	105	110	n.a.	n.a.
data protection	26	659	368	n.a.	n.a.
misappropriation of corporate assets	35	n.a.	n.a.	n.a.	n.a.
Environmental Health and Safety	23	n.a.	n.a.	n.a.	n.a.
Accounting, auditing and financial					
reporting	8	n.a.	n.a.	n.a.	n.a.
HR/Workplace	155	1,040	999	n.a.	n.a.
Other	40	n.a.	n.a.	n.a.	n.a.
Reports by input channel, %					
Hotline (phone)	8	29	15	n.a.	n.a.
Web-based system	47	26	22	n.a.	n.a.
Email/Letter	27	17	39	n.a.	n.a.
Personal report (incl. direct calls)	15	5	3	n.a.	n.a.
Other	3	23	21	n.a.	n.a.
Tax Compliance					
Effective tax rate by region					
Europe	30.8%	24.2%	25.5%	23.9%	n.a.
North America	21.2%	21.1%	22.2%	20.1%	n.a.
Asia-Pacific	16.8%	23.4%	18.2%	23.6%	n.a.
Latin America	32.9%	26.4%	-27.5%	57.1%	n.a.
Africa	-11.7%	28.0%	-193.8%	63.6%	n.a.
Group	24.8%	22.8%	24.2%	22.6%	n.a.

 $<sup>^{\</sup>rm 2}$  higher impact in 2022 due to change in board structure; consideration of both CEO salaries



	2022	2021	2020	2019	2018
Effective tax rate by country 1					
USA	21.1%	n.a.	n.a.	n.a.	n.a.
Germany	56.3%	n.a.	n.a.	n.a.	n.a.
Spain	19.5%	n.a.	n.a.	n.a.	n.a.
China <sup>2</sup>	20.5%	n.a.	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>1</sup> The four countries represent more than 70% of Group sales

#### 5. Environment

5.1 Environmental					
Commitment <sup>1</sup>	2022	2021	2020	2019	2018
Coverage by external environmental					
management standard					
thereof ISO 14001 coverage	46%	n.a.	n.a.	n.a.	n.a.
thereof ISO 50001 coverage	70%				
Internal standard or policy	100%	n.a.	n.a.	n.a.	n.a.
Regulatory requirement					
(e.g. national law)	100%	n.a.	n.a.	n.a.	n.a.

<sup>&</sup>lt;sup>1</sup> Scope applies to the entities for which environmental data is consolidated; focus on operations and hospitals

5.2 Water withdrawal	2022	2021	2020	2019	2018
Group <sup>1</sup> , in million m <sup>3</sup>	56.1	56.4	56.2	57.2	56.2
Fresenius Medical Care	40.5	41.4	41.7	43.2	42.1
Fresenius Kabi	10.4	10.1	9.7	9.5	9.7
Fresenius Helios	4.2	4.0	4.1	3.8	3.7
Fresenius Vamed	1.0	0.9	0.8	0.7	0.7
Group <b>by source</b> , in million m <sup>3</sup>					
Surface water	0.7	0.7	0.7	0.7	0.7
Groundwater	4.8	4.4	4.4	4.3	4.6
Seawater	0.0	0.0	0.0	0.0	0.0
Produced water	0.0	0.0	0.0	0.0	0.0
Third -party water (municipal supply)	50.7	51.2	51.2	52.2	50.9
Fresenius Group <sup>1</sup> relative water					
withdrawal					
Water withdrawal / € 1 million s	1,373	1,503	1,550	1,609	1,676
Water withdrawal / FTE	199.8	201.9	203.3	217.5	228.2
Water withdrawal (m <sup>3</sup> ) per square meter <sup>2</sup>					
(hospital business)	0.8	n.a.	n.a.	n.a.	n.a.
Water withdrawal (m <sup>3</sup> ) /					
hospital bed <sup>2</sup> Newly acquired companies are included in the second year of	110	106	109	106	104

<sup>&</sup>lt;sup>1</sup> Newly acquired companies are included in the second year of consolidation, at the latest. If data of the business segments is not available in time, it is extrapolated on the basis of existing data. An adjustment will be made in the next report. Prior-year information was adjusted to conform to the current year's presentation. Due to rounding, individual numbers and percentages presented in this report may not precisely reflect the absolute figures. Fresenius Medical Care water figures include the water withdrawal of its production sites and in-center treatments at its dialysis clinics. Data of Fresenius Helios's fertility services division include in 2022 only the Spanish entities.

<sup>&</sup>lt;sup>2</sup> adjusted tax rate

<sup>&</sup>lt;sup>2</sup> Data applies to business segment Fresenius Helios; excluding fertility services



5.3 Waste Volumes	2022	2021	2020	2019	2018
Fresenius Group					
Total hazardous waste, %	20	n.a.	n.a.	n.a.	n.a.
Total non-hazardous waste, %	80	n.a.	n.a.	n.a.	n.a.
Fresenius Kabi					
Total waste volume, t thou.	97	97	n.a.	n.a.	n.a.
thereof hazardous, %	25	27	n.a.	n.a.	n.a.
recycling rate , %	58	57	55	n.a.	n.a.
thereof non-hazardous, %	<i>75</i>	73	n.a.	n.a.	n.a.
recycling rate , %	67	70	59	n.a.	n.a.
Fresenius Helios					
Total waste volume, t thou. <sup>1</sup>	40	38	37	39	38
thereof hazardous waste	4	3	3	3	2
thereof non-hazardous waste	36	34	34	36	36
Hospital waste per bed <sup>1</sup> , in tons (t)	0.95	1.01	1.01	1.09	1.07
Hazardous hospital waste per bed <sup>1</sup> , in					
tons (t)	0.11	0.09	0.08	0.07	0.05

<sup>&</sup>lt;sup>1</sup>Applies to all hospitals in Germany and Spain of Fresenius Helios; 2017 only Germany. Waste volumes extrapolated. Due to roundings, deviations are possible.

5.4 Energy consumption	2022	2021	2020	2019	2018
Group, in million MWh <sup>1</sup>	5.75	5.81	5.48	5.32	5.34
Fresenius Medical Care	2.59	2.61	2.49	2.43	2.38
Fresenius Kabi	1.80	1.77	1.65	1.64	1.65
Fresenius Helios	1.17	1.24	1.16	1.09	1.14
Fresenius Vamed	0.19	0.19	0.18	0.16	0.17
by source, in %					
Gas consumption	47	47	46	45	n.a.
Electricity (non-renewable)	32	42	44	44	n.a.
Purchased heat, steam, cooling	6	7	6	5	n.a.
Fossil fuels, excl. gas	2	2	2	3	n.a.
Renewable fuels	2	2	2	2	n.a.
Electricity (renewable)	11	n.a.	n.a.	n.a.	n.a.
Fresenius Group <sup>1</sup> relative energy					
consumption					
Energy consumption / € 1 million sales	141	155	151	150	159
Energy consumption / FTE	20.5	20.8	19.8	20.3	21.7
Energy consumption / hospital bed <sup>2</sup>	30.7	32.4	31.0	30.9	31.9

<sup>&</sup>lt;sup>1</sup> Data of Fresenius Medical Care include the energy consumption of production sites and the electricity consumption of in-center treatments in dialysis clinics. Some data is subject in part to extrapolations.

Data of Fresenius Helios's fertility services division include in 2022 only the Spanish entities.



		2022 (market-				
5.5 Emissions		based)	2021	2020	2019	2018
Group, t CO <sub>2</sub> equivalents in thou. <sup>1</sup>		1,321	1,524	1,512	1,504	1,534
Scope 1		563	578	536	522	521
Scope 2		758	946	976	982	1,013
Fresenius Medical Care		659	766	770	775	776
	Scope 1	258	263	242	227	219
	Scope 2	401	503	<i>527</i>	547	<i>557</i>
Fresenius Kabi		425	443	417	409	424
	Scope 1	169	170	160	169	169
	Scope 2	256	273	256	239	255
Fresenius Helios		206	277	287	284	296
	Scope 1	113	122	112	107	114
	Scope 2	93	155	<i>175</i>	178	182
Fresenius Vamed		30	39	39	36	38
	Scope 1	22	23	21	18	19
	Scope 2	8	16	17	18	19
Fresenius Group relative GHG	emissions					
scope 1 and 2						
t CO <sub>2</sub> equivalents / € 1 million sales		36	41	42	42	46
t CO <sub>2</sub> equivalents / FTE		5.2	5.5	5.5	5.8	6.2

<sup>&</sup>lt;sup>1</sup> Please see page 217 of the Annual Report 2022 for more details and specifications. The calculation for 2022 is based on market-based emissions. The calculation for 2021-2018 is based on the emissions calculation approach of the previous years

**Note 1:** KPIs subject to the limited or reasonable assurance by the auditor are provided in the Fresenius Group Annual Report 2022.

Fresenius Group Annual Report 2022

**Note 2:** Sustainability KPI for Fresenius Medical Care are published on the business segment's website, see: Fresenius Medical Care ESG Performance Data

#### Note 3:

Additional Sustainability information on Fresenius Group is provided on the website. Other KPI are voluntarily reported in this overview or the Sustainability Online Report.

GRI Index 2022

**Sustainability Report 2022** 

**ESG KPI and standards**