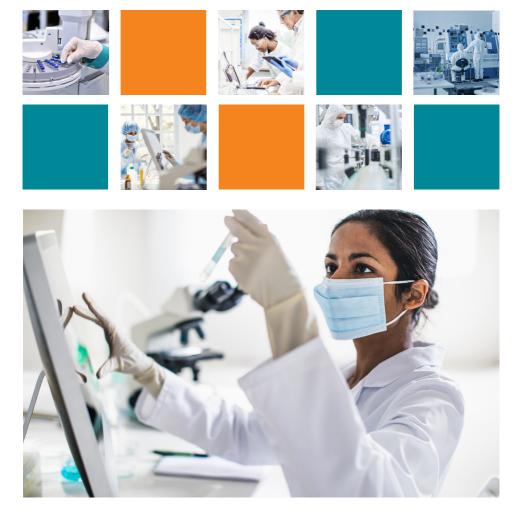


The Pharmaceutical Industry in Figures

Key Data \star 2021



www.efpia.eu

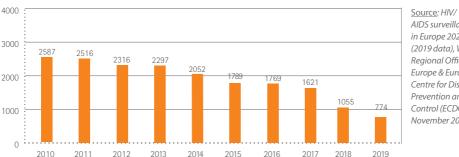
THE PHARMACEUTICAL INDUSTRY: A KEY ASSET TO SCIENTIFIC AND MEDICAL PROGRESS

Thanks to advances in science and technology, the research-based pharmaceutical industry is entering an exciting new era in medicines development. Research methods are evolving and we have many promising prospects on the horizon, with groundbreaking cell and gene therapies being increasingly available*. The innovative pharmaceutical industry is driven by, and drives, medical progress. It aims to turn fundamental research into innovative treatments that are widely available and accessible to patients.

Already, the industry has contributed to significant improvements in patient well-being. Today's European citizens can expect to live up to 30 years longer than they did a century ago. Some major steps in biopharmaceutical research, complimented by many smaller steps, have allowed for reductions in mortality, for instance from HIV/AIDS-related causes and a number of cancers. High blood pressure and cardiovascular diseases can be controlled with antihypertensive and cholesterol-lowering medicines; knee or hip replacements prevent patients from immobility; and some cancers can be controlled - or even cured - with the help of new targeted treatments. European citizens can expect not only to live longer, but to live better quality lives. Yet major hurdles remain, including Alzheimer's, Multiple Sclerosis, many cancers, and rare diseases.



TOTAL NUMBER OF DEATHS AMONG AIDS CASES IN EUROPE (TOTAL EU/EEA)



AIDS surveillance in Europe 2020 (2019 data), WHO Regional Office for Europe & European Centre for Disease Prevention and Control (ECDC), 26 November 2020

*https://www.efpia.eu/publications/downloads/efpia/iqviaefpia-pipeline-review-2021

THE PHARMACEUTICAL INDUSTRY: A KEY ASSET TO THE EUROPEAN ECONOMY

As well as driving medical progress by researching, developing and bringing new medicines that improve health and quality of life for patients around the

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world, the research-based pharmaceutical industry is a key asset of the European economy. It is one of Europe's top performing high-technology sectors.

	INDUSTRY (EFPIA total)	2000	2010	2019	2020
	Production	127,504	199,730	293,213	310,000 (e)
	Exports (1) (2)	90,935	276,357	473,753	515,000 (e)
	Imports	68,841	204,824	333,626	360,000 (e)
e 58	Trade balance	22,094	71,533	140,127	155,000 (e)
	R&D expenditure	17,849	27,920	37,754	39,000 (e)
223	Employment (units)	556,506	701,059	823,882	830,000 (e)
	R&D employment (units)	88,397	116,253	121,594	125,000 (e)
	Total pharmaceutical market value at ex-factory prices	89,449	153,684	227,404	240,500 (e)
	Payment for pharmaceuticals by statutory health insurance systems (ambulatory care only)	76,909	129,464	140,374	149,500 (e)

Values in € million unless otherwise stated

(2) Data relating to total exports and total imports include EU-28 intra-trade (double counting in some cases)

Source: EFPIA member associations (official figures) - (e): EFPIA estimate; Eurostat (EU-28 trade data 2000-2020)

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⁽¹⁾ Data relate to EU-28, Norway and Switzerland since 2005 (EU-15 before 2005); Croatia and Serbia included since 2010; Turkey included since 2011; Russia included since 2013

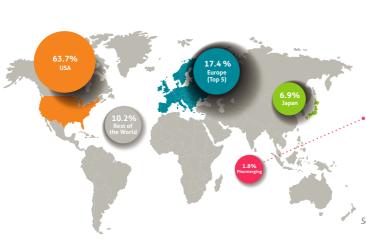
MAIN TRENDS

The research-based pharmaceutical industry can play a critical role in restoring Europe to growth and ensuring future competitiveness in an advancing global economy. In 2020 it invested an estimated € 39,000 million in R&D in Europe. It directly employs some 830,000 people and generates about three times more employment indirectly – upstream and downstream – than it does directly (PwC, Economic and societal footprint of the pharmaceutical industry in Europe, June 2019). However, the sector faces real challenges. Besides the additional regulatory hurdles and escalating R&D costs, the sector has been severely hit by the impact of fiscal austerity measures introduced by governments across much of Europe since 2010.

There is rapid growth in the market and research environment in emerging economies such as Brazil, China and India, leading to a gradual migration of economic and research activities from Europe to these fast-growing markets. During the period 2015-2020 the Brazilian, Chinese and Indian markets grew by 11.3%, 4.8% and 10.0% respectively compared to an average market growth of 5.0% for the top 5 European Union markets and 4.9% for the US market (source: IQVIA MIDAS, April 2021).

- In 2020 North America accounted for 49.0% of world pharmaceutical sales compared with 23.9% for Europe. According to IQVIA (MIDAS April 2021), 63.7% of sales of new medicines launched during the period 2015-2020 were on the US market, compared with 17.4% on the European market (top 5 markets).
- ★ The fragmentation of the EU pharmaceutical market has resulted in a lucrative parallel trade. This benefits neither social security nor patients and deprives the industry of additional resources to fund R&D. Parallel trade was estimated to amount to € 5,758 million (value at ex-factory prices) in 2019.

GEOGRAPHICAL BREAKDOWN (BY MAIN MARKETS) OF SALES OF NEW MEDICINES LAUNCHED DURING THE PERIOD 2015–2020



Note:

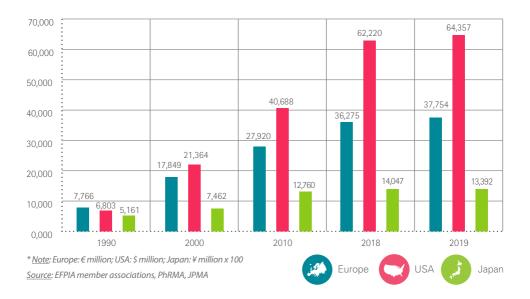
New medicines cover all new active ingredients marketed for the first time on the world market during the period 2015-2020

Europe (Top 5) comprises Germany, France, Italy, Spain and United Kingdom

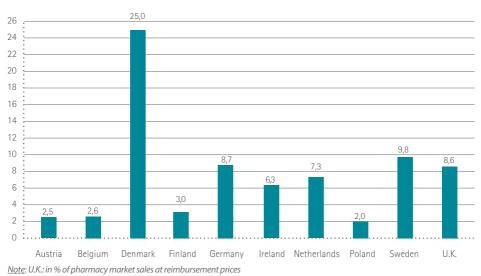
Pharmerging comprises 21 countries ranked by IQVIA as high-growth pharmaceutical markets (Algeria, Argentina, Bangladesh, Brazil, Colombia, Chile, China, Egypt, India, Indonesia, Kazakhstan, Mexico, Nigeria, Pakistan, Philippines, Poland, Russia, Saudi Arabia, South Africa, Turkey and Vietnam)

> <u>Source</u>: IQVIA (MIDAS April 2021)





SHARE OF PARALLEL IMPORTS IN PHARMACY MARKET SALES (%) - 2019



Source: EFPIA member associations (estimate)

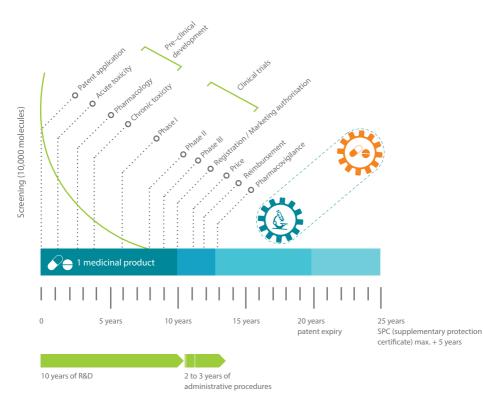
EFPIA 🜟 Key Data | 2021

PHARMACEUTICAL INDUSTRY RESEARCH AND DEVELOPMENT IN EUROPE

All new medicines introduced into the market are the result of lengthy, costly and risky research and development (R&D) conducted by pharmaceutical companies:

- By the time a medicinal product reaches the market, an average of 12-13 years will have elapsed since the first synthesis of the new active substance;
- ★ The cost of researching and developing a new chemical or biological entity was estimated at € 1,926 million (\$ 2,558 million in year 2013 dollars) in 2014 (DiMasi et al, Journal of Health Economics, January 2016);
- On average, only one to two of every 10,000 substances synthesised in laboratories will successfully pass all stages of development required to become a marketable medicine.

PHASES OF THE RESEARCH AND DEVELOPMENT PROCESS



PHARMACEUTICAL INDUSTRY RESEARCH AND DEVELOPMENT IN EUROPE

EFPIA 2019	€ million		€ million
Austria	311	Latvia	n.a
Belgium	3,846	Lithuania	n.a
Bulgaria	91	Malta	n.a
Croatia	40	Netherlands	642
Cyprus	85	Norway	126
Czech Rep.	62	Poland	339
Denmark	1,543	Portugal	117
Estonia	n.a	Romania	75
Finland	182	Russia	727
France	4,451	Slovakia	n.a
Germany	8,466	Slovenia	180
Greece	51	Spain	1,212
Hungary	242	Sweden	1,104
lceland	n.a	Switzerland	6,383
Ireland	305	Turkey	137
Italy	1,600	U.K.	5,437
TOTAL			37,754

<u>Note</u>:

The figures relate to the R&D carried out in each country.

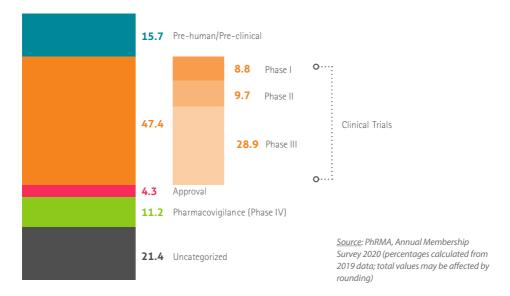
Hungary, Portugal: 2018 data; Bulgaria, France, Greece: 2017 data; Slovenia: 2016 data; Norway, Sweden: 2015 data; Cyprus, Ireland: 2013 data; Croatia, Netherlands: 2011 data

Belgium, Croatia, Denmark, France, Germany, Greece, Ireland, Italy, Netherlands, Norway (LMI members), Poland, Romania, Slovenia, Sweden (LIF members), Switzerland (Interpharma members), Turkey: estimate

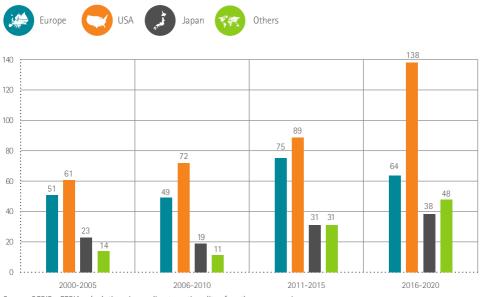
Source: EFPIA member associations (official figures)



ALLOCATION OF R&D INVESTMENTS BY FUNCTION (%)



NUMBER OF NEW CHEMICAL AND BIOLOGICAL ENTITIES (2001-2020)



Source: SCRIP – EFPIA calculations (according to nationality of mother company)

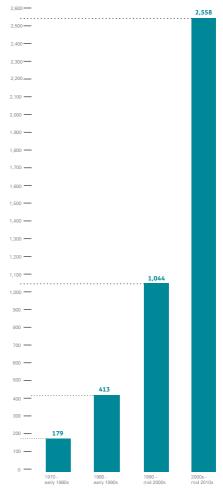
* 8

IMPORTANCE OF PHARMACEUTICAL R&D

In 2019 the pharmaceutical industry invested more than \in 37,700 million in R&D in Europe. A decade of strong US market dominance led to a significant shift of economic and research activity towards the US during the period 1995-2005. Additionally, Europe is now facing increasing competition from emerging economies: rapid growth in the market and research environments in countries such as Brazil and China are contributing to the move of economic and research activities to non-European markets. The geographical balance of the pharmaceutical market – and ultimately the R&D base – is likely to shift gradually towards emerging economies.

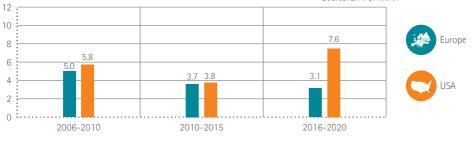
ESTIMATED FULL COST OF BRINGING A NEW CHEMICAL OR BIOLOGICAL ENTITY TO MARKET (\$ MILLION - YEAR 2013 \$)

Source: Joseph. A. DiMasi, Henry G. Grabowski, Ronald W.Hansen, Innovation in the pharmaceutical industry: New estimates of R&D costs, Journal of Health Economics, 47 (2016), 20-33

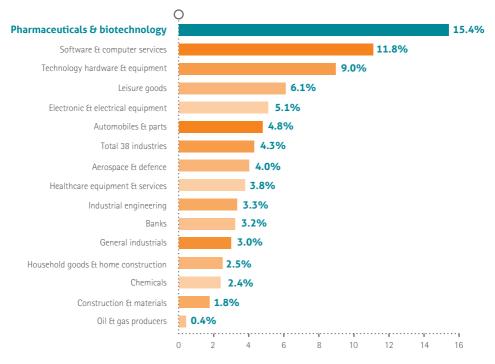


PHARMACEUTICAL R&D EXPENDITURE – ANNUAL GROWTH RATE (%)

<u>Note</u>: USA: data relating to period 2016-2019 Source : EFPIA. PhRMA



RANKING OF INDUSTRIAL SECTORS BY OVERALL SECTOR R&D INTENSITY (R&D AS PERCENTAGE OF NET SALES – 2019)



<u>Note</u>:

Data relate to the top 2,500 companies with registered offices in the EU-27 (421), Japan (309), the US (775), China (536) and the Rest of the World (459), ranked by total worldwide R&D investment (with investment in R&D above \in 34.7 million).

Source: The 2020 EU Industrial R&D Investment Scoreboard, European Commission, JRC/DG RTD

According to EUROSTAT data, the pharmaceutical industry is the high technology sector with the highest added-value per person employed, significantly higher than the average value for high-tech and manufacturing industries. The pharmaceutical industry is also the sector with the highest ratio of R&D investment to net sales.

According to the 2020 EU Industrial R&D Investment Scoreboard the pharmaceutical and biotechnology sector amounts to 18.4% of total business R&D expenditure worldwide.

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PHARMACEUTICAL PRODUCTION

FPIA 2019	€ million	
Austria	3,024	Latvia
Belgium	17,547	Lithuania
Bulgaria	121	Malta
Croatia	664	Netherlands
Cyprus	253	Norway
Czech Rep.	858	Poland
Denmark	14,391	Portugal
Estonia	n.a	Romania
Finland	1,877	Russia
France	35,848	Slovakia
Germany	33,158	Slovenia
Greece	1,376	Spain
Hungary	3,859	Sweden
Iceland	89	Switzerland
Ireland	19,305	Turkey
Italy	34,000	U.K.

via 255 huania n.a Ilta n.a Ilta n.a therlands 6,180 rway 1,072 and 2,550 rtugal 1,737 mania 655 ssia 5,881 vakia 356 vvenia 1,659 ain 15,832 eden 9,840 itzerland 54,305 rkey 3,482

23,039 **293,213**

€ million

<u>Note</u>:

All data based on SITC 54

Cyprus, Slovenia, Spain, U.K.: 2018 data; Czech Republic, Denmark, Slovakia, Norway: 2017 data; Iceland: 2016 data; Bulgaria: 2015 data; Ireland: 2014 data; Romania: 2013 data; Netherlands: 2010 data

Croatia, Denmark, France, Ireland, Italy, Netherlands, Norway, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland: estimate Bulgaria, Croatia, Cyprus, France, Hungary, Ireland, Latvia, Norway, Poland, Portugal, Romania, Slovenia, Sweden: veterinary products excluded

Source: EFPIA member associations (official figures)



EMPLOYMENT IN THE PHARMACEUTICAL INDUSTRY

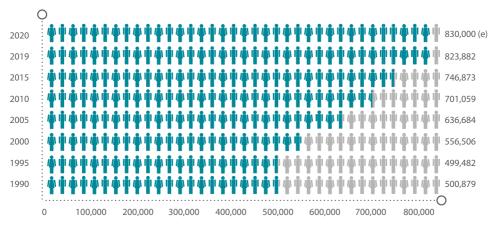
EFPIA 2019	Units		Units
Austria	16,094	Latvia	2,232
Belgium	38,489	Lithuania	1,220
Bulgaria	15,000	Malta	1,033
Croatia	5,763	Netherlands	20,000
Cyprus	1,755	Norway	4,000
Czech Rep.	18,000	Poland	24,736
Denmark	24,821	Portugal	9,000
Estonia	380	Romania	35,000
Finland	5,672	Russia	n.a
France	98,780	Slovakia	2,287
Germany	119,994	Slovenia	11,213
Greece	25,700	Spain	47,449
Hungary	23,300	Sweden	11,012
Iceland	500	Switzerland	46,652
Ireland	37,000	Turkey	39,000
Italy	65,800	U.K.	72,000
TOTAL			823,882

<u>Note</u>:

Cyprus, Latvia, Malta, Slovakia, Spain: 2018 data; Estonia: 2016 data; Sweden: 2014 data; Lithuania: 2013 data Belgium, Bulgaria, Croatia, Estonia, France, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovenia, Sweden, Switzerland, Turkey, United Kingdom: estimate

Source: EFPIA member associations (official figures)

The research-based pharmaceutical industry is one of Europe's major high-technology industrial employers. Recent studies in some countries showed that the research-based pharmaceutical industry generates about three times more employment indirectly – upstream and downstream – than it does directly (PwC, Economic and societal footprint of the pharmaceutical industry in Europe, June 2019). Furthermore, a significant proportion of these are valuable skilled jobs, for instance in the fields of academia or clinical science, which can help maintain a high-level knowledge base and prevent a European "brain drain".

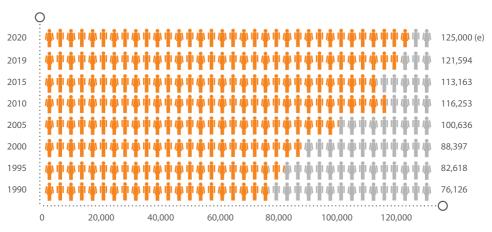


EMPLOYMENT IN THE PHARMACEUTICAL INDUSTRY (1990-2020)

<u>Note</u>:

Data includes Iceland (since 2017), Croatia, Lithuania and Turkey (since 2010), Bulgaria, Estonia and Hungary (since 2009), Czech Republic (since 2008), Cyprus (since 2007), Latvia, Romania & Slovakia (since 2005), Malta, Poland and Slovenia (since 2004)

Source: EFPIA member associations (official figures) - (e): EFPIA estimate



EMPLOYMENT IN PHARMACEUTICAL R&D (1990-2020)

<u>Note</u>:

Data includes Iceland (since 2017), Greece & Lithuania (since 2013), Bulgaria and Turkey (since 2012), Poland (since 2010), Czech Republic, Estonia and Hungary (since 2009), Romania (since 2005) and Slovenia (since 2004) Croatia, Cyprus, Latvia, Malta, Serbia, Slovakia: data not available

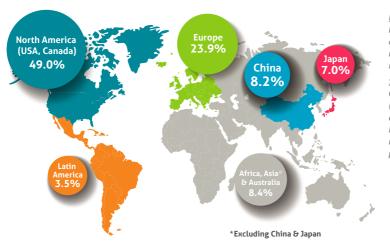
Source: EFPIA member associations - (e): EFPIA estimate

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PHARMACEUTICAL SALES

The world pharmaceutical market was worth an estimated € 943,667 million (\$ 1,077,856 million) at ex-factory prices in 2020. The North American market (USA & Canada) remained the world's largest market with a 49.0% share, well ahead of Europe, China and Japan.

BREAKDOWN OF THE WORLD PHARMACEUTICAL MARKET - 2020 SALES



<u>Note</u>: Europe includes Turkey and Russia; percentages might not add up due to rounding

Source: IQVIA (MIDAS) Q4 2020 MAT, April 2021 (data relate to the 2020 audited global retail and hospital pharmaceutical market at ex-factory prices)

PRICE STRUCTURE

Distribution margins, which are generally fixed by governments, and VAT rates differ significantly from country to country in Europe. On average, approximately one third of the retail price of a medicine reverts to distributors (pharmacists and wholesalers) and the State.

BREAKDOWN OF THE RETAIL PRICE OF A MEDICINE, 2019 (%)



PHARMACEUTICAL MARKET VALUE (at ex-factory prices)

EFPIA 2019

€ million

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0		IUII

Austria	4,583
Belgium	5,988
Bulgaria	1,210
Croatia	957
Cyprus	177
Czech Rep.	3,010
Denmark	3,111
Estonia	344
Finland	2,712
France	29,304
Germany	40,456
Greece	5,158
Hungary	2,631
Iceland	147
Ireland	2,279
Italy	24,099
Latvia	384

	o minori
Lithuania	793
Malta	196
Netherlands	5,770
Norway	2,621
Poland	7,281
Portugal	3,409
Romania	3,130
Russia	17,678
Serbia	725
Slovakia	1,455
Slovenia	675
Spain	17,105
Sweden	4,313
Switzerland	5,533
Turkey	6,891
U.K.	23,279

TOTAL

227,404

<u>Note</u>:

Medicinal products as defined by Directive 2001/83/EC

Cyprus, Denmark, Finland, Iceland, Latvia, Lithuania, Norway, Russia, Slovenia, Sweden: pharmaceutical market value at pharmacy purchasing prices

Belgium, France, Germany, Ireland, Italy, Norway, Spain, United Kingdom: estimate

Source:

EFPIA member associations (official figures) – Serbia: IQVIA

The figures above are for pharmaceutical sales, at ex-factory prices, through all distribution channels (pharmacies, hospitals, dispensing doctors, supermarkets, etc.), whether dispensed on prescription or at the patient's request. Sales of veterinary medicines are excluded.



VAT RATES APPLICABLE TO MEDICINES

The table below shows the VAT rates applied to medicines in European countries as of 1 January 2021.

Austria 20.0 10,0 10,0 Belgium 21,0 6,0 6,0 Bulgaria 20,0 20,0 20,0 Croatia 25,0 5,0 5,0 Cyprus 19,0 5,0 5,0 Czech Rep. 21,0 10,0 10,0 Denmark 25,0 25,0 25,0 Estonia 20,0 9,0 9,0 Finland 24,0 10,0 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Italy 22,0 10,0 10,0 Latvia 21,0 10,0 10,0 Latvia 21,0 5,0 21,0 Latvia 21,0 5,0 25,0 Latvia 21,0 5,0 25,0 Latvia 21,0 9,0	Country	Standard VAT rate (%)	VAT rates applied Prescription (%)	d to medicines OTC (%)
Burgaria 20,0 20,0 20,0 Croatia 25,0 5,0 5,0 Cyprus 19,0 5,0 5,0 Czech Rep. 21,0 10,0 10,0 Denmark 25,0 25,0 25,0 Estonia 20,0 9,0 3,0 Finland 24,0 10,0 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Italy 22,0 10,0 10,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 25,0 Victurania 18,0 0,0 0,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0 9,	Austria	20,0	10,0	10,0
Croatia 25,0 5,0 5,0 Cyprus 19,0 5,0 5,0 Czech Rep. 21,0 10,0 10,0 Denmark 25,0 25,0 25,0 Estonia 20,0 9,0 9,0 Frinland 24,0 10,0 10,0 France (1) 20,0 2,1 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Italy 22,0 10,0 10,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 21,0 Latvia 18,0 0,0 0,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0 9,0<	Belgium	21,0	6,0	6,0
Cyprus 19,0 5,0 5,0 Czech Rep. 21,0 10,0 10,0 Denmark 25,0 25,0 25,0 Estonia 20,0 9,0 9,0 9,0 Finland 24,0 10,0 10,0 10,0 France (1) 20,0 2,1 10,0 10,0 Germany 19,0 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 5,0 Hungary 27,0 5,0 5,0 10,0 Iceland 24,0 24,0 24,0 24,0 Ireland (2) 23,0 0-23,0 0-23,0 0 Italy 22,0 10,0 10,0 10,0 Lithuania (3) 21,0 12,0 12,0 12,0 Lithuania (3) 21,0 3,0 3,0 3,0 Norway 25,0 25,0 25,0 25,0 Poland 23,0 6,0 6,0 6,0	Bulgaria	20,0	20,0	20,0
Czech Rep. 21,0 10,0 10,0 Denmark 25,0 25,0 25,0 Estonia 20,0 9,0 9,0 Finland 24,0 10,0 10,0 France (1) 20,0 2,1 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Ireland (2) 23,0 0-23,0 0-23,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 21,0 Lithuania 18,0 0,0 0,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Russia 20,0 10,0 10,0 Stovenia 20,0 10,0 20,0 Stovenia 20,0 <td>Croatia</td> <td>25,0</td> <td>5,0</td> <td>5,0</td>	Croatia	25,0	5,0	5,0
Denmark 25,0 25,0 25,0 Estonia 20,0 9,0 9,0 Finland 24,0 10,0 10,0 France (1) 20,0 2,1 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Ireland (2) 23,0 0-23,0 0-23,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 25,0 Luxembourg 17,0 3,0 3,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0 9,0 9,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0	Cyprus	19,0	5,0	5,0
Estonia 20,0 9,0 9,0 Finland 24,0 10,0 10,0 France (1) 20,0 2,1 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Ireland (2) 23,0 0-23,0 0-23,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 21,0 Luxembourg 17,0 3,0 3,0 Malta 18,0 0,0 0,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Slovakia 20,0 10,0 10,0 Slovakia 20,0	Czech Rep.	21,0	10,0	10,0
Finland 24,0 10,0 10,0 France (1) 20,0 2,1 10,0 Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Ireland (2) 23,0 0-23,0 0-23,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 21,0 Luxembourg 17,0 3,0 3,0 Malta 18,0 0,0 0,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Rosia 20,0 10,0 10,0 Slovakia 20,0 10,0 10,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5<	Denmark	25,0	25,0	25,0
France (1) 20.0 2.1 10.0 Germany 19.0 19.0 19.0 Greece 24.0 6.0 6.0-13.0 Hungary 27.0 5.0 5.0 Iceland 24.0 24.0 24.0 Ireland (2) 23.0 0-23.0 0-23.0 Italy 22.0 10.0 10.0 Latvia 21.0 5.0 21.0 Lithuania (3) 21.0 5.0 21.0 Luxembourg 17.0 3.0 3.0 Malta 18.0 0.0 0.0 Norway 25.0 25.0 25.0 Poland 23.0 6.0 6.0 Romania 19.0 9.0 19.0 Russia 20.0 10.0 10.0 Serbia 20.0 10.0 10.0 Slovenia 22.0 9.5 9.5 Spain 21.0 4.0 4.0 Sweden 25.0 0	Estonia	20,0	9,0	9,0
Germany 19,0 19,0 19,0 Greece 24,0 6,0 6,0-13,0 Hungary 27,0 5,0 5,0 Iceland 24,0 24,0 24,0 Ireland (2) 23,0 0-23,0 0-23,0 Italy 22,0 10,0 10,0 Latvia 21,0 12,0 12,0 Lithuania (3) 21,0 5,0 21,0 Luxembourg 17,0 3,0 3,0 Malta 18,0 0,0 0,0 Norway 25,0 25,0 25,0 Poland 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Serbia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Slovenia 20,0 10,0 20,0 Slovenia 22,0 <td< td=""><td>Finland</td><td>24,0</td><td>10,0</td><td>10,0</td></td<>	Finland	24,0	10,0	10,0
Greece24,06,06,0-13,0Hungary27,05,05,0Iceland24,024,024,0Ireland (2)23,00-23,00-23,0Italy22,010,010,0Latvia21,012,021,0Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Norway25,025,025,0Poland23,06,06,0Romania19,09,019,0Serbia20,010,010,0Serbia20,010,010,0Sovakia20,010,010,0Serbia20,010,010,0Sovakia20,010,020,0Spain21,04,04,0Sweden25,00,025,0Spain21,04,04,0Sweden25,025,025,0Switzerland7,72,52,5Turkey18,08,08,0	France (1)	20,0	2,1	10,0
Hungary27,05,05,0Iceland24,024,024,0Ireland (2)23,00-23,00-23,0Italy22,010,010,0Latvia21,012,012,0Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Norway25,025,025,0Poland23,06,06,0Romania19,09,019,0Serbia20,010,010,0Slovakia20,010,010,0Slovakia20,00,020,0Spain21,04,04,0Sweden25,00,025,0Sweden25,025,025,0Switzerland7,72,52,5Turkey18,08,08,0Sova25,025,025,0Switzerland7,72,52,5Turkey18,08,08,0	Germany	19,0	19,0	19,0
Iceland24,024,024,0Ireland (2)23,00-23,00-23,0Italy22,010,010,0Latvia21,012,012,0Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Norway25,025,025,0Poland23,08,08,0Portugal23,06,06,0Romania19,09,010,0Serbia20,010,010,0Slovakia20,010,020,0Slovenia22,09,59,5Spain21,04,04,0Sweden25,025,025,0Switzerland7,72,52,5Turkey18,08,08,0	Greece	24,0	6,0	6,0-13,0
Ireland (2)23,00-23,00-23,0Italy22,010,010,0Latvia21,012,012,0Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Netherlands21,09,09,0Norway25,025,025,0Poland23,08,08,0Portugal23,06,06,0Romania19,09,010,0Slovakia20,010,010,0Slovakia20,010,020,0Slovenia22,09,59,5Spain21,04,04,0Sweden25,00,025,0Sweden25,03,03,0Sweten25,025,025,0Sweten25,03,53,5Turkey18,08,08,0	Hungary	27,0	5,0	5,0
Italy22,010,010,0Latvia21,012,012,0Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Netherlands21,09,09,0Norway25,025,025,0Poland23,06,06,0Romania19,09,010,0Serbia20,010,010,0Slovakia20,010,020,0Slovakia21,04,04,0Sweden25,025,025,0Switzerland7,72,52,5Turkey18,08,08,08,0	Iceland	24,0	24,0	24,0
Latvia21,012,012,0Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Netherlands21,09,09,0Norway25,025,025,0Poland23,08,08,0Portugal23,06,06,0Romania19,09,019,0Serbia20,010,010,0Slovakia20,010,020,0Slovenia22,09,59,5Spain21,04,04,0Sweden25,00,025,0Switzerland7,72,52,5Turkey18,08,08,0	Ireland (2)	23,0	0-23,0	0-23,0
Lithuania (3)21,05,021,0Luxembourg17,03,03,0Malta18,00,00,0Netherlands21,09,09,0Norway25,025,025,0Poland23,08,08,0Portugal23,06,06,0Romania19,09,019,0Russia20,010,010,0Slovakia20,010,020,0Slovenia22,09,59,5Spain21,04,04,0Sweden25,00,025,0Switzerland7,72,52,5Turkey18,08,08,0	Italy	22,0	10,0	10,0
Luxembourg17,03,03,0Malta18,00,00,0Netherlands21,09,09,0Norway25,025,025,0Poland23,08,08,0Portugal23,06,06,0Romania19,09,019,0Russia20,010,010,0Serbia20,010,020,0Slovakia20,010,020,0Slovenia22,09,59,5Spain21,04,04,0Sweden25,00,025,0Switzerland7,72,52,5Turkey18,08,08,0	Latvia	21,0	12,0	12,0
Malta 18,0 0,0 0,0 Netherlands 21,0 9,0 9,0 Norway 25,0 25,0 25,0 Poland 23,0 8,0 8,0 Portugal 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Serbia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Lithuania (3)	21,0	5,0	21,0
Netherlands 21,0 9,0 9,0 Norway 25,0 25,0 25,0 Poland 23,0 8,0 8,0 Portugal 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Serbia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Luxembourg	17,0	3,0	3,0
Norway 25,0 8,0 25,0 2,5<	Malta	18,0	0,0	0,0
Poland 23,0 8,0 8,0 Portugal 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Serbia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Netherlands	21,0	9,0	9,0
Portugal 23,0 6,0 6,0 Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Serbia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Norway	25,0	25,0	25,0
Romania 19,0 9,0 19,0 Russia 20,0 10,0 10,0 Serbia 20,0 10,0 10,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Poland	23,0	8,0	8,0
Russia 20,0 10,0 10,0 Serbia 20,0 10,0 10,0 Slovakia 20,0 10,0 20,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Portugal	23,0	6,0	6,0
Serbia 20,0 10,0 10,0 Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Romania	19,0	9,0	19,0
Slovakia 20,0 10,0 20,0 Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Russia	20,0	10,0	10,0
Slovenia 22,0 9,5 9,5 Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Serbia	20,0	10,0	10,0
Spain 21,0 4,0 4,0 Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Slovakia	20,0	10,0	20,0
Sweden 25,0 0,0 25,0 Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Slovenia	22,0	9,5	9,5
Switzerland 7,7 2,5 2,5 Turkey 18,0 8,0 8,0	Spain	21,0	4,0	4,0
Turkey 18,0 8,0 8,0	Sweden	25,0	0,0	25,0
• • • • • • • • • • • • • • • • • • • •	Switzerland	7,7	2,5	2,5
U.K. (4) 20,0 0-20,0 20,0	Turkey	18,0	8,0	8,0
	U.K. (4)	20,0	0-20,0	20,0

(1) France: reimbursable medicines 2.1%; non-reimbursable medicines 10.0% (2) Ireland: oral medication 0%; other medication 23% (3) Lithuania: reimbursable medicines 5.0%; non-reimbursable medicines 21.0% (4) U.K.: 0% for prescription medicines dispensed in the Community; 20% for prescription medicines consumed in the hospital setting

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6

GENERICS

The term 'generic' is widely used but its definition is not always consistent between countries. Generics are usually produced by a manufacturer who is not the inventor of the original product, and are marketed when intellectual property protection rights are exhausted.

Austria 36.0	SHARE (ESTIMATE – IN %)
Belgium 17.1	ACCOUNTED FOR BY GENERICS IN PHARMACEUTICAL MARKET SALES
Bulgaria 39.0	VALUE (AT EX-FACTORY PRICES),
Croatia 42.0	2019
Czech Republic 30.0	Note:
Denmark 35.3	Croatia, Denmark, Estonia, Finland, Greece,
Estonia 19.2	Ireland, Hungary, Slovenia, U.K.: share of generics in pharmacy market sales
Finland 22.8	Austria, Belgium, France, Germany, Italy,
France 18.6	Netherlands, Portugal, Spain: share of generics in reimbursable pharmacy
Germany 24.4	market sales
Greece 25.3	Bulgaria, Czech Republic, Latvia, Lithuania, Norway, Poland, Romania, Russia, Serbia,
Hungary 37.3	Slovakia, Sweden, Switzerland, Turkey: share
Ireland 16.9	of generics in total market sales Cyprus, Iceland, Malta: 2018 data not
Italy	67.3 available
Latvia 44.0	France: data relate only to those active substances listed on the official list of
Lithuania 25.0	medicines
Netherlands 22.1	Definition: 'generic' means a medicine based on an active substance that is out of patent
Norway 22.5	and which is marketed under a different
Poland 57.9	name from that of the original branded medicine.
Portugal 22.1	Source: EFPIA member associations
Romania 23.7	
Russia	77.0
Serbia 58.0	0
Slovakia 18.4	
Slovenia 24.4	
Spain 22.8	
Sweden 21.7	
Switzerland 14.0	
Turkey 31.4	
U.K. 30.0	
	70% 80%
090 1090 2090 3090 4090 5090 6090	1040 0040

PHARMACEUTICAL EXPORTS

EFPIA 2019

€ million

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		mon	

Austria	11,150
Belgium	49,732
Bulgaria	1,038
Croatia	1,039
Cyprus	333
Czech Republic	2,852
Denmark	17,041
Estonia	99
Finland	669
France	32,556
Germany	81,862
Greece	1,944
Hungary	5,916
Ireland	49,521
Italy	31,666
Latvia	498
TOTAL	

Lithuania	806
Luxembourg	139
Malta	294
Netherlands	44,382
Norway	1,964
Poland	3,688
Portugal	1,229
Romania	845
Russia	457
Slovakia	462
Slovenia	4,985
Spain	11,953
Sweden	9,918
Switzerland	77,809
Turkey	1,189
United Kingdom	25,717
	473,753

Note:

All data based on SITC 54

18

Source: Eurostat (COMEXT database – May 2021)

Norway: LMI; Russia: Clifar Import/Export, 2019; Switzerland: Swiss Federal Customs Administration; Turkey: Turkish Statistical Institute



PHARMACEUTICAL IMPORTS

EFPIA 2019

€ million

Austria	9,898
Belgium	42,332
Bulgaria	1,471
Croatia	1,326
Cyprus	312
Czech Republic	4,960
Denmark	4,217
Estonia	520
Finland	1,985
France	26,012
Germany	52,679
Greece	2,957
Hungary	4,688
Ireland	7,686
Italy	27,867
Latvia	665
TOTAL	

	€ million
Lithuania	1,243
Luxembourg	473
Malta	236
Netherlands	29,928
Norway	1,382
Poland	6,906
Portugal	2,803
Romania	3,473
Russia	13,579
Slovakia	1,865
Slovenia	4,002
Spain	14,767
Sweden	4,391
Switzerland	29,036
Turkey	4,598
United Kingdom	25,369
	333,626

1017

<u>Note</u>:

All data based on SITC 54

Source: Eurostat (COMEXT database – May 2021)

Norway: LMI; Russia: Clifar Import/Export, 2019; Switzerland: Swiss Federal Customs Administration; Turkey: Turkish Statistical Institute



PHARMACEUTICAL TRADE BALANCE

EFPIA 2019	€ million
Austria	1,252
Belgium	7,400
Bulgaria	-433
Croatia	-287
Cyprus	21
Czech Republic	-2,108
Denmark	12,824
Estonia	-421
Finland	-1,316
France	6,544
Germany	29,183
Greece	-1,013
Hungary	1,228
Ireland	41,835
Italy	3,799
Latvia	-167
TOTAL	

	€ million
Lithuania	-437
Luxembourg	-334
Malta	58
Netherlands	14,454
Norway	582
Poland	-3,218
Portugal	-1,574
Romania	-2,628
Russia	-13,122
Slovakia	-1,403
Slovenia	983
Spain	-2,814
Sweden	5,527
Switzerland	48,773
Turkey	-3,409
United Kingdom	348
	140,127

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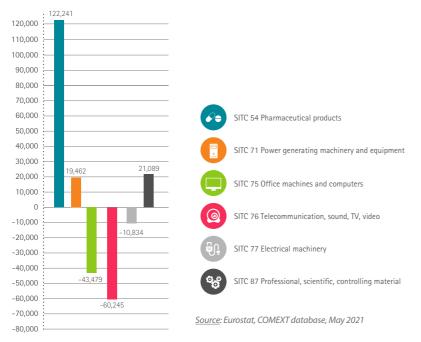
<u>Note</u>:

All data based on SITC 54

Source: Eurostat (COMEXT database – May 2021)

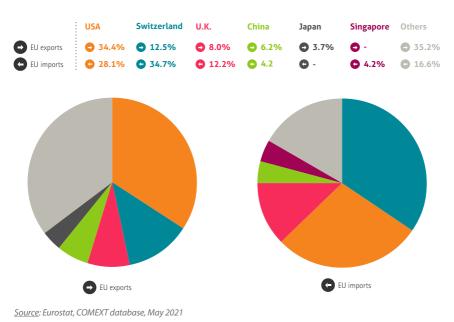
Norway: LMI; Russia: Clifar Import/Export, 2019; Switzerland: Swiss Federal Customs Administration; Turkey: Turkish Statistical Institute





EU-27 TRADE BALANCE - HIGH TECHNOLOGY SECTORS (€ MILLION) - 2020

THE EUROPEAN UNION'S TOP 5 PHARMACEUTICAL TRADING PARTNERS - 2020



TOTAL SPENDING (PUBLIC AND PRIVATE) ON HEALTHCARE AS A PERCENTAGE OF GDP AT MARKET PRICES

Country	1980	1990	2000	2010	2015	2019
Austria	7.0	7.7	9.2	10.2	10.4	10.4
Belgium	6.2	7.1	8.0	10.2	10.4	10.3
Czech Republic	-	3.7	5.7	6.9	7.2	7.8
Denmark	8.4	8.0	8.1	10.3	10.2	10.0
Estonia	-	-	5.2	6.3	6.3	6.8
Finland	5.9	7.3	7.1	9.1	9.6	9.1
France	6.8	8.0	9.6	11.2	11.5	11.2
Germany	8.1	8.0	9.9	11.1	11.2	11.7
Greece	-	6.1	7.2	9.5	8.0	7.8
Hungary	-	-	6.8	7.5	6.9	6.4
Iceland	5.9	7.4	9.0	8.5	8.1	8.8
Ireland	7.5	5.6	5.9	10.5	7.3	6.8
Italy	-	7.0	7.6	8.9	8.9	8.7
Latvia	-	-	5.5	6.1	5.7	6.3
Lithuania	-	-	6.2	6.8	6.5	6.8
Luxembourg	4.6	5.1	5.9	7.0	5.3	5.4
Netherlands	6.5	7.0	7.7	10.2	10.3	10.0
Norway	5.4	7.1	7.7	8.9	10.1	10.5
Poland	-	4.3	5.3	6.4	6.4	6.3
Portugal	4.8	5.5	8.4	9.8	9.0	9.6
Slovakia	-	-	5.3	7.7	6.8	6.9
Slovenia	-	-	7.8	8.6	8.5	8.3
Spain	5.0	6.1	6.8	9.1	9.1	9.0
Sweden	7.8	7.2	7.4	8.3	10.8	10.9
Switzerland	6.6	7.9	9.4	10.3	11.4	12.1
Turkey	2.4	2.5	4.6	5.1	4.1	4.4
United Kingdom	5.1	5.1	7.3	10.0	9.9	10.3
Europe	6.1	6.4	7.2	8.7	8.5	8.6
USA	8.2	11.3	12.5	16.3	16.7	17.0
Japan	6.2	5.8	7.2	9.2	10.9	11.1

Note: Europe: non-weighted average (27 countries) – EFPIA calculations

Source: OECD Health Statistics 2020, May 2021



PAYMENT FOR PHARMACEUTICALS BY COMPULSORY HEALTH INSURANCE SYSTEMS AND NATIONAL HEALTH SERVICES (ambulatory care only)

EFPIA 2019

€ million

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Austria	2,973
Belgium	4,848
Bulgaria	421
Croatia	382
Cyprus	108
Czech Rep.	2,142
Denmark	803
Estonia	155
Finland	1,551
France	24,220
Germany	39,892
Greece	1,945
Hungary	1,188
Iceland	68
Ireland	1,636
Italy	7,690
Latvia	170

	•
Lithuania	339
Malta	n.a.
Netherlands	3,196
Norway	1,157
Poland	2,092
Portugal	1,327
Romania	1,422
Russia	1,749
Serbia	299
Slovakia	1,301
Slovenia	342
Spain	10,794
Sweden	2,426
Switzerland	5,411
Turkey	6,398
U.K.	11,929

TOTAL

Note:

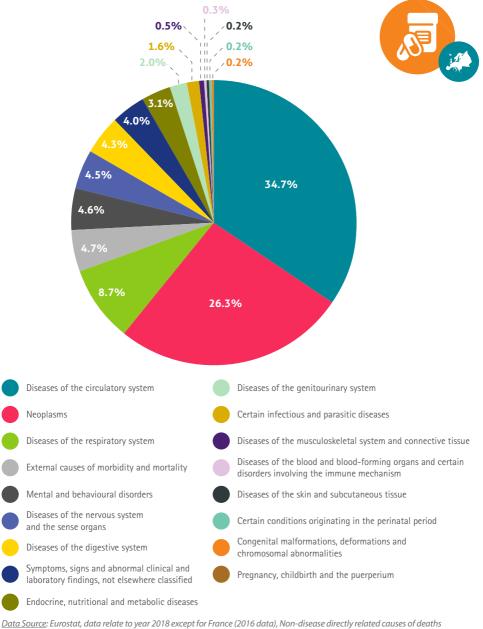
Cyprus: 2018 data; Croatia: 2016 data France, Ireland, Netherlands, Norway, Sweden, U.K.: estimate

Source: EFPIA member associations (official figures)



140,374

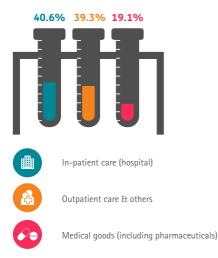
CAUSES OF DEATH BY MAJOR DISEASE AREAS IN EUROPE (EU-28)



(EFPIA calculations), May 2021

24

BREAKDOWN OF TOTAL HEALTH EXPENDITURE IN EUROPE – 2018



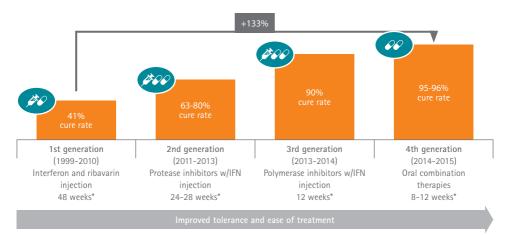
THE ADDED VALUE OF MEDICINES IN HEALTHCARE

Medicines constitute the smallest part of healthcare costs with, on average, 19.1% of total health expenditure in Europe being spent on pharmaceuticals and other medical goods. In costly diseases such as cancer and rheumatoid arthritis, medicines account for even less than 10% of the total disease costs. Medicines can also generate additional savings, for example by substantially reducing costs in other areas of healthcare, including hospital stays and long-term care costs.

Source: OECD Health Statistics 2020, May 2021 – EFPIA calculations (non-weighted average for 26 EU & EFTA countries and Turkey)

CHRONOLOGY OF HEPATITIS C TREATMENT (1999-2015)

* Hepatitis C is the leading cause of liver transplants and the reason liver cancer is on the rise



* Treatment duration, INF=interferon;

Source: PhRMA, 'Prescription Medicines: International Costs in Context' (2017)

EFPIA **#** Key Data | 2021

EFPIA MEMBER ASSOCIATIONS

Austria

Fachverband der Chemischen Industrie Österreichs (FCIO)

Belgium

Association Générale de l'Industrie du Médicament (pharma.be)

Denmark Laegemiddelindustriforeningen

The Danish Association of the Pharmaceutical Industry (Lif)

Finland Lääketeollisuus ry

Pharma Industry Finland (PIF)

France Les Entreprises du Médicament (LEEM)

Germany Verband Forschender Arzneimittelhersteller (VfA)

Greece Hellenic Association of Pharmaceutical Companies (SFEE)

Ireland

Irish Pharmaceutical Healthcare Association (IPHA)

Italy

Associazione delle Imprese del Farmaco (Farmindustria)

Netherlands

Vereniging Innovatieve Geneesmiddelen

Norway Legemiddelindustrien

Norwegian Association of Pharmaceutical Manufacturers (LMI)

Foland Employers Union of Innovative Pharmaceutical Companies (Infarma)

Portugal Associação Portuguesa da Indústria Farmacêutica (Apifarma)

Russia

Association of International Pharmaceutical Manufacturers (AIPM)

Spair

Asociación Nacional Empresarial de la Industria Farmacéutica (Farmaindustria)

Swede

Läkemedelsindustriföreningen

The Swedish Association of the Pharmaceutical Industry (LIF)

Switzerland

Verband der forschenden pharmazeutischen Firmen der Schweiz (Interpharma)

Turkey

Arastirmaci Ilac Firmalari Dernegi (AIFD)

United Kingdom The Association of the British Pharmaceutical Industry (ABPI)

ASSOCIATIONS WITH LIAISON STATUS

Bosnia-Herzegovina: Association of Research-based Medicine Producers (UIPL) Bulgaria: Association of Research-based Pharmaceutical Manufacturers in Bulgaria (ARPharM) Croatia: Innovative Pharmaceutical Initiative (iF!) **Cyprus:** Cyprus Association of Pharmaceutical Companies (KEFEA) Czech Republic: Association of Innovative Pharmaceutical Industry (AIFP) Estonia: Association of Pharmaceutical Manufacturers in Estonia (APME) Hungary: Association of Innovative Pharmaceutical Manufacturers (AIPM) Iceland: Icelandic Association of the Pharmaceutical Industry (FRUMTÖK) Latvia: Association of International Research-based Pharmaceutical Manufacturers (SIFFA) Lithuania: The Innovative Pharmaceutical Industry Association (IFPA) Malta: Maltese Pharmaceutical Association (PRIMA) North Macedonia: Association of Foreign Innovative Pharmaceutical Manufacturers (HOBA) **Romania:** Association of International Medicines Manufacturers (ARPIM) Serbia: Innovative Drug Manufacturers' Association (INOVIA) Slovakia: Slovak Association of Innovative Pharmaceutical Industry (AIFP) Slovenia: Forum of International Research and Development Pharmaceutical Industries (EIG) Ukraine: Association of Pharmaceutical Research and Development (APRaD)

MEMBER COMPANIES

* Full Members

AbbVie
Almirall
Amgen
Astellas
AstraZeneca
Bayer
Biogen
Boehringer Ingelheim
Bristol-Myers Squibb
Chiesi
Daiichi-Sankyo
Gilead
GlaxoSmithKline
Grünenthal
lpsen
Johnson & Johnson

LEO Pharma
Lilly
Menarini
Merck
Merck Sharp & Dohme (MSD)
Novartis
Novo Nordisk
Pfizer
Pierre Fabre
Roche
Sanofi
Servier
Takeda
 Teva
UCB

***** Affiliate Members

Bial					
Eisai		 			
Esteve					
Lundbeck					· · · · · · · · · · ·
Otsuka					
Rovi					
Stallergenes					
Vifor Pharma	••••		····	····	·····

Small & Medium-Sized Enterprises (SMEs

AiCuris
AM Pharma
Byondis
Da Volterra
ENYO Pharma
Idorsia
Imcyse
Genfit
Lysogene
Minoryx
Polyphar
ProQR
Spero Therapeutics
Transgene



EFPIA (The European Federation of Pharmaceutical Industries and Associations) represents the research-based pharmaceutical industry operating in Europe.

Founded in 1978, its members comprise **36** national pharmaceutical industry associations, **39** leading pharmaceutical companies and **14** small and medium sized enterprises undertaking research, development and manufacturing of medicinal products in Europe for human use.

EFPIA aims to create an environment that enables its members to innovate, discover, develop and deliver new therapies and vaccines for people across Europe, as well as contribute to the European economy. EFPIA's vision is for a healthier future for Europe. A future based on prevention, innovation, access to new treatments and better outcomes for patients.

Through its membership, EFPIA represents the common views of about 1,900 large, medium and small companies including the entire European research-based pharmaceutical sector whose interests also include a significant part of the generics and biosimilars segments. Vaccines Europe (VE) is the specialised vaccine industry group within EFPIA. It represents major innovative research-based global vaccine companies as well as small and medium sized enterprises operating in Europe.









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Further details about the Federation and its activities can be obtained from: