



Department for  
International Trade



# Trade & Investment Factsheets

## Germany

This factsheet provides the latest statistics on trade and investment between the UK and Germany.

Date of release: 20 September 2022; Date of next planned release: 19 October 2022

**Total trade in goods and services** (exports plus imports) between the UK and Germany was **£115.6 billion** in the four quarters to the end of Q1 2022, an increase of 4.2% or £4.6 billion from the four quarters to the end of Q1 2021. Of this £115.6 billion:

- Total UK **exports** to Germany amounted to £48.3 billion in the four quarters to the end of Q1 2022 (an increase of 2.4% or £1.1 billion compared to the four quarters to the end of Q1 2021);
- Total UK **imports** from Germany amounted to £67.3 billion in the four quarters to the end of Q1 2022 (an increase of 5.5% or £3.5 billion compared to the four quarters to the end of Q1 2021).

**Germany was the UK's 2<sup>nd</sup> largest trading partner** in the four quarters to the end of Q1 2022 accounting for 8.6% of total UK trade.<sup>1</sup>

In 2020, the **outward stock of foreign direct investment (FDI)** from the UK in Germany was £40.8 billion accounting for 2.5% of the total UK outward FDI stock.

In 2020, the **inward stock of foreign direct investment (FDI)** in the UK from Germany was £106.6 billion accounting for 5.5% of the total UK inward FDI stock.<sup>2</sup>

<sup>1</sup> Trade data sourced from the latest ONS publication of [UK total trade: all countries seasonally adjusted](#) data.

<sup>2</sup> Investment data sourced from ONS publication on [Foreign Direct Investment Involving UK Companies](#).

## About these statistics

This factsheet presents the latest statistics on trade and investment between the UK and Germany. It summarises a wide range of publicly available data, from data providers such as the Office for National Statistics (ONS) and HM Revenue and Customs (HMRC), as well as international data providers.

This factsheet is part of a wider range produced by the Department for International Trade which draws together many data sources into one single compendium document for each individual trade and investment partner. The full set of factsheets for different individual partners can be found on the [Trade and Investment Factsheets website](#) on GOV.UK.

Where data are available, these factsheets contain metrics on:

- [Headline trade statistics between the UK and each trading partner for the latest four quarters.](#)
- [Trade statistics by commodity and service type.](#)
- [Trade between the UK and each trading partner, broken down by UK country and English region.](#)
- [UK's market share as a total of all imports for each trading partner.](#)
- [Number of VAT-registered businesses trading goods.](#)
- [UK's Foreign Direct Investment \(FDI\) with each investment partner.](#)
- [Summary trade and investment data as reported by each trade and investment partner, as well as economic data and projections.](#)

All statistics are correct at the time of publication, with upcoming release dates available on the [Government update schedule for Official Statistics](#). The Department for International Trade strongly recommends users download the latest factsheet to ensure the most up-to-date statistics are used as some statistics are revised on a regular basis.

For the most up to date snapshot of the UK's trade and investment position with all partners, please see the [UK trade in numbers](#) publication or the [trade and investment core statistics book](#). These statistics are based on the same data sources as this factsheet and therefore are comparable. A list of all [Official Statistics](#) publications from the Department for International Trade can be found online.

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## Summary trade and investment statistics for Germany

### UK trade with Germany (based on the latest four quarters)<sup>3</sup>:

Trade	Value in the four quarters to the end of Q1 2022	Change from the four quarters to the end of Q1 2021
<b>Total trade</b>	£115.6 billion	an increase of 4.2% or £4.6 billion
Ranking out of all the UK's trading partners	2nd	
<b>Total UK exports</b>	£48.3 billion	an increase of 2.4% or £1.1 billion
Ranking out of all the UK's export partners	2nd	
UK exports in goods (percentage of total UK exports that were goods)	£30.7 billion (63.5%)	an increase of 0.5% or £140 million
UK exports in services (percentage of total UK exports that were services)	£17.6 billion (36.5%)	an increase of 5.9% or £984 million
<b>Total UK imports</b>	£67.3 billion	an increase of 5.5% or £3.5 billion
Ranking out of all the UK's import partners	2nd	
UK imports in goods (percentage of total UK imports that were goods)	£58.2 billion (86.4%)	an increase of 5.8% or £3.2 billion
UK imports in services (percentage of total UK imports that were services)	£9.1 billion (13.6%)	an increase of 3.8% or £337 million

### UK market share in Germany<sup>4</sup>:

UK market share for total trade	Value in 2021	Change from 2020
<b>Total UK market share</b>	3.6%	a decrease of 0.8 percentage points
UK market share for goods only	2.9%	a decrease of 0.7 percentage points
UK market share for services only	6.1%	a decrease of 0.9 percentage points

### UK Foreign Direct Investment (FDI) with Germany<sup>5</sup>:

UK FDI	Value in 2020	Change from 2019
Total UK outward FDI	£40.8 billion	an increase of 18.7% or £6.4 billion
Total UK inward FDI	£106.6 billion	an increase of 142.2% or £62.6 billion

### Economic statistics and projections using gross domestic product (GDP) for Germany<sup>6</sup>:

Economic statistics	2019	2020	2021	2022
Economic growth, using GDP in real terms, compared to the previous year	1.1%	-4.6%	2.9%	1.2%
GDP per capita in \$USD (in thousands)	46.8	46.2	50.8	51.1

Germany was the 4<sup>th</sup> largest economy in 2021, in terms of gross domestic product (GDP).

<sup>3</sup> Trade data sourced from Office for National Statistics data on [UK total trade \(seasonally adjusted data\)](#).

<sup>4</sup> UK market share data calculated using the methodology outlined in the [market share section](#) in the factsheet, based on data from the Office for National Statistics and United Nations Conference on Trade and Development.

<sup>5</sup> FDI data sourced from the Office for National Statistics publication [Foreign Direct Investment Involving UK Companies](#).

<sup>6</sup> Economic data sourced from the International Monetary Fund [World Economic Outlook](#) databases; Estimates and projections are given in italics; GDP rankings where provided are based on values in current prices (nominal terms) in \$USD, where some partner values are based on estimates which may influence the rankings when revised.

## Trade with Germany (ONS)<sup>7 8 9</sup>

### Trade definitions

**UK exports** - Goods and services that were produced or sourced in the UK, which were sold to Germany.

**UK imports** - Goods and services that were sold to the UK, which were produced or sourced by Germany.

**Total or 'bilateral' trade** - The value of total trade between the UK and Germany (exports plus imports).

**Trade balance** - The difference between exports and imports, calculated by UK exports minus UK imports.

**Trade surplus** - This occurs when the value of UK exports to Germany is greater than the value of UK imports from Germany.

**Trade deficit** - This occurs when the value of UK exports to Germany is less than the value of UK imports from Germany.

**Headline trade statistics include trade in non-monetary gold (reported within the unspecified goods category), which can significantly affect trends for some partners. Please see the factsheet [quality and methodology report](#) for more information. These statistics are given on a balance of payments (change of ownership) basis.**

**Note:** *The latest data include trade between April 2021 and March 2022. Trade has been affected by the COVID-19 pandemic and the associated lockdown measures globally. Consequently, data quality has been affected and may be subject to larger revisions than normal. Unless otherwise stated, all figures are reported in nominal (current prices), and have not been adjusted for inflation. Real estimates (constant prices) take account of inflation.*

**Total trade** in goods and services (exports plus imports) between the UK and Germany was £115.6 billion in the four quarters to the end of Q1 2022, an increase of 4.2% or £4.6 billion from the four quarters to the end of Q1 2021.

In the four quarters to the end of Q1 2022, **total UK exports** to Germany amounted to £48.3 billion (an increase of 2.4% or £1.1 billion compared to the four quarters to the end of Q1 2021).

Of all UK exports to Germany in the four quarters to the end of Q1 2022, £30.7 billion (63.5%) were **goods** and £17.6 billion (36.5%) were **services**. In the four quarters to the end of Q1 2022, **UK exports of goods** to Germany increased by 0.5% or £140 million compared to the four quarters to the end of Q1 2021 while **UK exports of services** to Germany increased by 5.9% or £984 million compared to the four quarters to the end of Q1 2021.

In the four quarters to the end of Q1 2022, **total UK imports** from Germany were £67.3 billion (an increase of 5.5% or £3.5 billion compared to the four quarters to the end of Q1 2021).

Of all UK imports from Germany in the four quarters to the end of Q1 2022, £58.2 billion (86.4%) were **goods** and £9.1 billion (13.6%) were **services**. In the same period, **UK imports of goods** from Germany increased by 5.8% or £3.2 billion compared to the four quarters to the end of Q1 2021 while **UK imports of services** from Germany increased by 3.8% or £337 million compared to the four quarters to the end of Q1 2021.

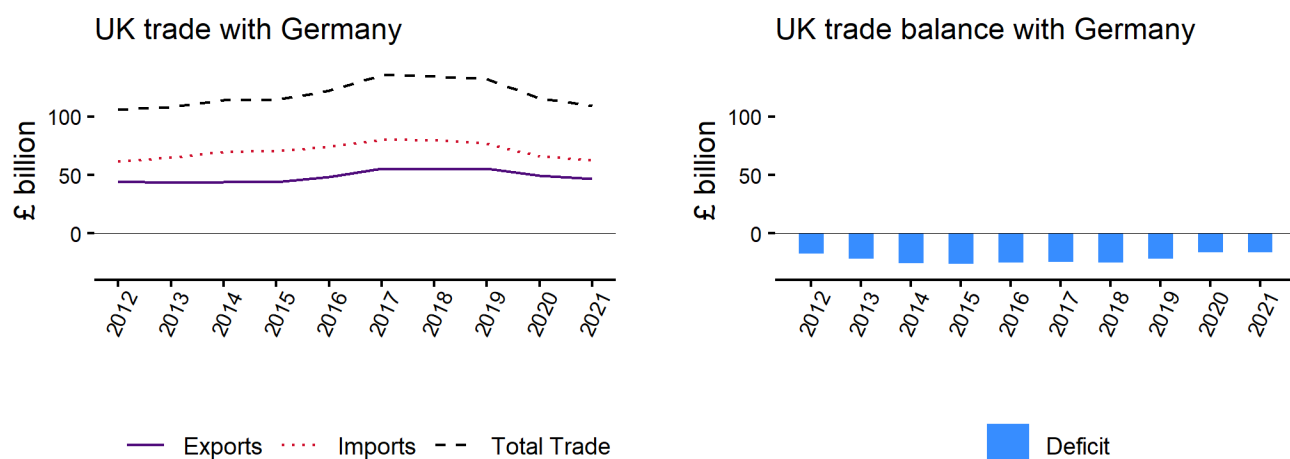
This means the UK reported a **total trade deficit** of £19.1 billion with Germany, compared to a trade deficit of £16.7 billion in the four quarters to the end of Q1 2021. In the four quarters to the end of Q1 2022, the UK had a **trade in goods deficit** of £27.6 billion with Germany, compared to a trade in goods deficit of £24.5 billion in the four quarters to the end of Q1 2021. Meanwhile, in the four quarters to the end of Q1 2022 the UK reported a **trade in services surplus** of £8.5 billion with Germany, compared to a trade in services surplus of £7.8 billion in the four quarters to the end of Q1 2021.

<sup>7</sup> Office of National Statistics (ONS) data source for total trade: [UK total trade data \(seasonally adjusted\)](#).

<sup>8</sup> This factsheet contains data as reported by the UK, users are advised to use UK-reported data where possible for consistency between partners. These data are subject to [asymmetries](#) e.g. the value of UK exports to Germany (reported by the UK) may not match the value of Germany imports from the UK (reported by Germany).

<sup>9</sup> Data are in nominal terms, meaning no adjustment has been made to account for changes in inflation or exchange rate. The totals may not exactly match the sum of their parts due to rounding.

The charts below present a time series for trade between the UK and Germany for each year between 2012 and 2021:



Source: ONS, UK trade in goods and services, Q1 2022

The data that are presented in the charts above are given in the table below in £ billion:

Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Value of total trade	106.2	108.2	114.1	114.3	122.6	135.6	134.6	132.5	115.9	109.2
Value of exports	44.4	43.2	44.1	44.1	48.6	55.5	54.9	55.3	49.7	46.6
Value of imports	61.8	65.0	70.0	70.2	74.0	80.1	79.7	77.2	66.2	62.7
Trade balance	-17.4	-21.8	-25.8	-26.2	-25.4	-24.6	-24.9	-21.9	-16.6	-16.1

In the four quarters to the end of Q1 2022, Germany was the UK's:<sup>10</sup>

- **2<sup>nd</sup> largest trading partner** (accounting for 8.6% of total UK trade).
  - 2<sup>nd</sup> largest **goods** trading partner (10.4% of UK goods trade).
  - 3<sup>rd</sup> largest **services** trading partner (5.4% of UK services trade).
- **2<sup>nd</sup> largest export market** (accounting for 7.5% of total UK exports).
  - 2<sup>nd</sup> largest **goods** export market (9.2% of UK goods exports).
  - 3<sup>rd</sup> largest **services** export market (5.7% of UK services exports).
- **2<sup>nd</sup> largest import market** (accounting for 9.6% of total UK imports).
  - 2<sup>nd</sup> largest **goods** import market (11.2% of UK goods imports).
  - 4<sup>th</sup> largest **services** import market (5.0% of UK services imports).

**More timely data, for trade in goods only<sup>11</sup>**, show that UK exports of goods to Germany decreased by 0.9% in the 12 months to July 2022 compared to the same period the previous year. UK imports of goods from Germany increased by 9.3% over the same period.

**Note:** As these data are presented for the 12 months ending July 2022, the UK and its trading partners have been affected by lockdown and other measures during the COVID-19 pandemic. Data quality has also been affected and may be subject to larger revisions than usual.

<sup>10</sup> Rankings are based on the ONS dataset which contains data for all individual partners: [UK total trade data \(seasonally adjusted\)](#).

<sup>11</sup> ONS data source for trade in the latest 12 months up to July 2022: [UK Trade data \(seasonally adjusted\)](#). More timely data for trade in goods reports the latest 12 month period, which includes data during 2021 and 2022. Due to a change in data collection methodology for Great Britain imports from the EU, data collected in 2022 are not fully comparable with data collected in 2021. More information on this methodology change can be found in an [article by the ONS](#).

## Trade in goods by commodity (ONS)<sup>12 13</sup>

Please note, these data are presented on a non-seasonally adjusted basis and are not directly comparable to seasonally adjusted data, including the headline trade statistics presented before.

The **top 5 goods exported from the UK to Germany** in the four quarters to the end of Q1 2022 were:

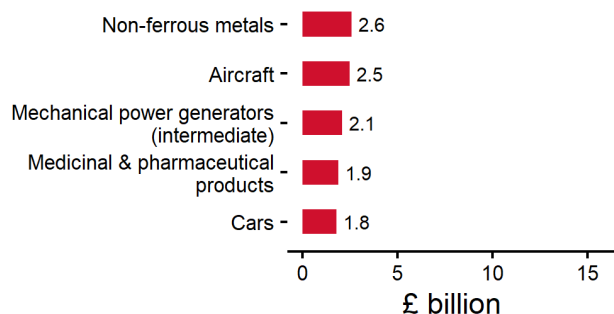
- 68 - Non-ferrous metals (£2.6 billion or 8.4% of all UK goods exported to Germany)
- 792 - Aircraft (£2.5 billion or 8.1%)
- 71MI - Mechanical power generators (intermediate) (£2.1 billion or 6.7%)
- 54 - Medicinal & pharmaceutical products (£1.9 billion or 6.2%)
- 78M - Cars (£1.8 billion or 5.8%)

The **top 5 goods imported to the UK from Germany** in the four quarters to the end of Q1 2022 were:

- 78M - Cars (£12.1 billion or 20.8% of all UK goods imported from Germany)
- 78I - Road vehicles other than cars (intermediate) (£3.0 billion or 5.1%)
- 54 - Medicinal & pharmaceutical products (£2.8 billion or 4.8%)
- 77I - Miscellaneous electrical goods (intermediate) (£2.4 billion or 4.2%)
- 71MI - Mechanical power generators (intermediate) (£2.0 billion or 3.5%)

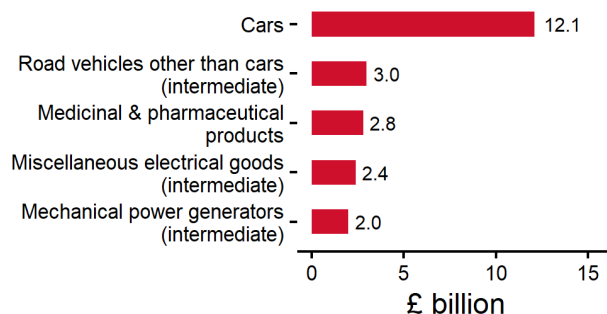
The chart below shows the top 5 products exported from the UK to Germany and the top 5 products imported to the UK from Germany, by value, in the four quarters to the end of Q1 2022. All data shown in the chart are provided in the text above.

The top 5 UK goods exports, in the four quarters to the end of Q1 2022, to Germany



Source: ONS, July 2022

The top 5 UK goods imports, in the four quarters to the end of Q1 2022, from Germany



Source: ONS, July 2022

<sup>12</sup> Data on trade in goods by commodity are sourced from data by the ONS: [UK trade release \(non-seasonally adjusted\)](#). These statistics for [exports](#) and [imports](#) present the latest data from the July 2022 ONS publication which are given on a monthly basis.

<sup>13</sup> The commodities are categorised based on [SITC](#) codes using a mixture of level 2 and level 3 codes.

## Trade in services by service type (ONS)<sup>14 15 16</sup>

Please note, these data are presented on a non-seasonally adjusted basis and are not directly comparable to seasonally adjusted data, including the headline trade statistics presented before.

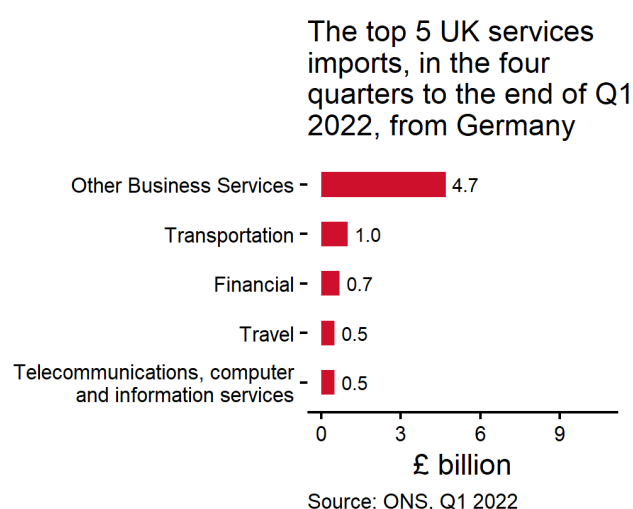
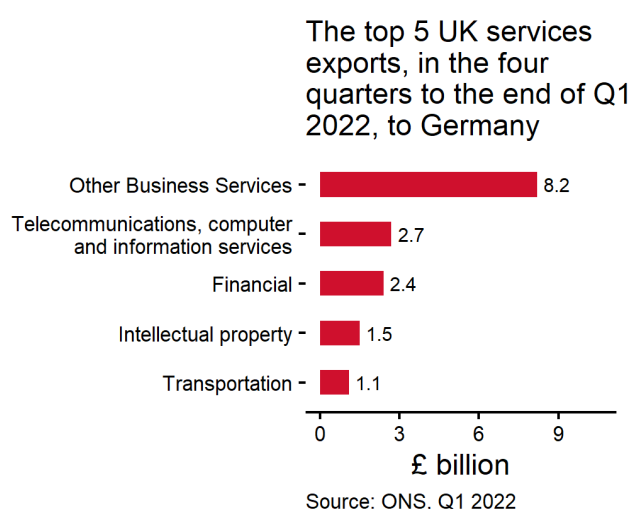
The **top 5 service types exported from the UK to Germany** in the four quarters to the end of Q1 2022 were:

- Other Business Services (£8.2 billion or 46.6% of all UK services exported to Germany)
- Telecommunications, computer and information services (£2.7 billion or 15.5%)
- Financial (£2.4 billion or 13.5%)
- Intellectual property (£1.5 billion or 8.4%)
- Transportation (£1.1 billion or 6.1%)

The **top 5 service types imported to the UK from Germany** in the four quarters to the end of Q1 2022 were:

- Other Business Services (£4.7 billion or 52.0% of all UK services imported from Germany)
- Transportation (£956 million or 10.5%)
- Financial (£728 million or 8.0%)
- Travel (£531 million or 5.8%)
- Telecommunications, computer and information services (£478 million or 5.2%)

The chart below shows the top 5 service types exported from the UK to Germany and the top 5 service types imported to the UK from Germany, by value, in the four quarters to the end of Q1 2022. All data shown in the chart are provided in the text above.



<sup>14</sup> Trade in services by service type is sourced from data by the ONS: [UK trade in services by partner country \(non-seasonally adjusted\)](#).

<sup>15</sup> Data are classified on the [EBOPS 2010](#) basis. 'Other business services' include: Research and development, professional and management consulting services, technical services and trade related services. A full description of all service types can be found on the [UN Statistics Division website](#).

<sup>16</sup> Service type data may be unavailable for some quarters, due to the suppression of figures for the confidentiality of individual traders. Data currently displayed here refers to the annual data for 2021 rather than the sum of the latest four quarters.

## Trade in goods by UK countries and English regions (HMRC)<sup>17 18</sup>

### Regional trade definitions

**UK regions** - The UK is categorised into 12 regions based on the International Territorial level 1 (ITL1). This level includes 9 regions in England, as well as Wales, Scotland and Northern Ireland.

**Regional trade data** - The data are compiled by merging HM Revenues & Customs (HMRC) trade data with employment data from the Interdepartmental Business Register (IDBR) so a business' trade can be allocated to a UK region based on the proportion of its employees employed in that region. Where a trader is not matched with the IDBR, its trade is matched with ONS postcode data to obtain the UK region in which the Head Office of the VAT-registered business is based.

The maps below show the value of UK goods exports and imports between each UK region and Germany in 2021. The maps are shaded with the 3 UK regions with the highest amount of trade as the darkest colour, and the 3 UK regions with the lowest amount of trade as the lightest colour.



Contains Ordnance Survey and National Statistics data © Crown copyright and database right [2017]

Source: HMRC, July 2022



Contains Ordnance Survey and National Statistics data © Crown copyright and database right [2017]

Source: HMRC, July 2022

The data that are presented in the maps above for 2021 in £ billion are also given in the table below:

UK country or English region	North East	North West	Yorkshire and the Humber	East Midlands	West Midlands	East	London	South East	South West	Wales	Scotland	Northern Ireland
Value of goods exports to Germany	1.4	2.9	1.4	1.9	2.4	2.7	2.5	4.5	2.3	2.4	1.9	0.3
Percentage of total goods exports to Germany	5.1%	10.3%	5.1%	6.8%	8.5%	9.8%	9.0%	16.1%	8.3%	8.7%	6.9%	1.2%
Value of goods imports from Germany	1.4	5.0	2.7	3.6	4.8	4.3	4.3	18.8	2.4	1.1	1.2	0.5
Percentage of total goods imports from Germany	2.7%	9.3%	5.0%	6.8%	9.0%	8.0%	8.1%	35.2%	4.4%	2.0%	2.3%	0.9%

Note that these figures from HMRC are reported on a physical movement basis and are **not directly comparable** to trade data from ONS which are reported on a change of ownership basis. **Percentages will not total 100%** as data not allocated to a single UK country or English region are not presented.

<sup>17</sup> HMRC data source for regional UK trade data: [HMRC Regional Trade Statistics](#) (data extracted from the spreadsheet download using the HMRC [interactive tables](#)).

<sup>18</sup> Totals presented here will differ from overall HMRC trade figures due to the exclusion of trade in non-monetary gold and non-response estimates and the exclusion of data not allocated to a UK country or region. Figures for 2021 are provisional and subject to change.



## UK Market Share (ONS and UNCTAD)<sup>19 20</sup>

### Market Share definitions

**UK market share** – Imports from the UK as a percentage of all the goods and services imported by Germany. Market share is provided for total imports from the UK, as well as for goods and services separately.

**Market share methodology** – These UK market share statistics are derived by the Department for International Trade, using publicly available data from the Office of National Statistics (ONS) and the United Nations Conference on Trade and Development (UNCTAD). These new statistics allows users to estimate the importance of UK trade on imports to each trading partner. Market share is calculated as the value of imports from the UK using data from [ONS](#), divided by the value of total imports using data from [UNCTAD](#). Data from UNCTAD are converted from US dollars into pounds sterling by using the annual average spot exchange rate<sup>21</sup>.

The UK's market share for Germany in 2021 was as follows:

- **The total UK market share in Germany was 3.6% in 2021 for goods and services.** This is a decrease of 0.8 percentage points from 2020.
- The UK market share in Germany was 2.9% in 2021 for **goods only**. This is a decrease of 0.7 percentage points from 2020.
- The UK market share in Germany was 6.1% in 2021 for **services only**. This is a decrease of 0.9 percentage points from 2020.

## Number of VAT-registered businesses trading goods (HMRC)<sup>22 23 24</sup>

### VAT-registered businesses definition

**VAT-registered businesses** - Any company with a VAT taxable turnover of more than £85,000 must be registered for VAT with HM Revenue & Customs (HMRC). These estimates do not cover unregistered businesses (those businesses who are not registered for VAT and do not have an Economic Operator Registration and Identification (EORI) number), or those businesses that trade in services.

### Businesses trading with Germany in 2020:

- In 2020, around 13,300 UK VAT-registered businesses exported goods to Germany.
- In 2020, around 8,100 UK VAT-registered businesses imported goods from Germany.

### Businesses trading with the world in 2020:

- In 2020, around 148,700 UK VAT-registered businesses exported goods to the world.
- In 2020, around 252,900 UK VAT-registered businesses imported goods from the world.

<sup>19</sup> ONS data source for market share: [UK total trade data \(seasonally adjusted\)](#).

<sup>20</sup> UNCTAD data source for market share: [Goods and Services \(BPM6\): Exports and imports of goods and services, annual](#). Some UNCTAD data may be based on estimates.

<sup>21</sup> Annual average spot exchange rates for \$USD to £GBP are sourced from the [Bank of England](#).

<sup>22</sup> HMRC data source for VAT-registered businesses trading goods: [HMRC Trade in Goods by Business Characteristics](#). These are experimental statistics and results should be treated with caution.

<sup>23</sup> Estimates only cover VAT-registered businesses exporting or importing goods. Data for UK businesses engaged in trade of services with Germany are not available. VAT-registered business may trade with multiple trading partners abroad so care should be taken when adding figures for multiple trading partners.

<sup>24</sup> Counts of businesses trading with individual EU partners exclude businesses trading below [Intrastat](#) thresholds, which for 2018 was £1.5million for EU imports and £250,000 for EU exports. The number of VAT-registered businesses has been rounded to the nearest 100 here.

## Trade in Value Added (OECD)<sup>25</sup> <sup>26</sup>

### Trade in Value Added definitions

**Trade in Value Added (TiVA)** - TiVA is a statistical approach to examine supply chains, which is not possible with conventional ('gross') trade statistics. This is because TiVA treats international trade flows as flows of value added rather than gross flows of final goods and services.

**Domestic and foreign value added** - In TiVA, gross exports are decomposed into domestic and foreign value added. Domestic value added measures the value added generated by the domestic economy in the production of its exports (e.g. the value added by UK car manufacturers and their UK supply chains in car exports). Foreign value added measures the value added contribution that foreign suppliers make to these exports (e.g. the import of foreign car parts).

**TiVA statistics** - Although TiVA offers advantages over traditional ways of measuring trade, these statistics are not fully developed. These results are estimates which should be considered complementary to conventional trade statistics and not be over-interpreted. In addition, the geographical detail is limited for developing countries. More information on TiVA can be found in a recent [research report](#) by the Department for International Trade and Cambridge Econometrics.

**UK forward linkages for exports** - Measures the reliance of foreign exporters on UK value added (inputs).

**UK backward linkages for exports** - Measures the reliance of UK exporters on foreign value added (inputs).

**Employment supported by exports** - This provides an estimate of the number of employees in exporting industries, and their domestic supply chains that are supported by exporting activity.

### UK forward linkages for exports:

- **In 2018, 1.1% of the total value added in gross exports from Germany originated in the UK.**
- In 2018, 22.9% of the value added content in gross exports from Germany reflected foreign imports from abroad. The largest sources of foreign value added for gross exports from Germany were United States (2.1%), China (1.6%), and France (1.6%).

### UK backward linkages for exports:

- **In 2018, 1.8% of the total value added in gross exports from the UK originated in Germany.**
- In 2018, 17.8% of the value added content in gross exports from the UK reflected foreign imports from abroad. The largest sources of foreign value added for gross exports from the UK were United States (2.7%), Germany (1.8%), and Norway (1.5%).

### Employment supported by exports:<sup>27</sup>

- Exporting activity in Germany supported 12.6 million persons in 2018 (28.2% of total Germany employment). Exports to the UK supported around 701,800 jobs in Germany in 2018.
- Exporting activity in the UK supported 6.8 million persons in 2018 (20.9% of total UK employment). Exports to Germany supported around 502,800 jobs in the UK in 2018.

<sup>25</sup> The estimates in this factsheet are based on Trade in Value Added statistics published by the Organisation for Economic Co-operation and Development (OECD): a) [Trade in Value Added database \(origin of value added in gross exports\), November 2021](#); and b) [Trade in Employment \(TiM\) database: Principal indicators, February 2022](#), indicators EXGR\_DEM and EMPN\_EXGRDEM.

<sup>26</sup> The latest data available from OECD are for 2018. Trade in Value Added data are currently awaiting revisions and are correct as of 18 February 2022.

<sup>27</sup> These estimates measure employees directly and indirectly supported by exports i.e. workers employed in exporting businesses and in other domestic businesses supplying inputs to the exporting businesses. The estimates should be interpreted as employment *supported* by exports, rather than employment *created* by exports, as the jobs may have previously existed to serve the domestic market. Employees may also be supported by exports from a multiple number of trading partners. As with the core TiVA data, these estimates are based on a number of assumptions and modelling, so should be interpreted with caution.

## Foreign Direct Investment with Germany (ONS)<sup>28 29 30</sup>

### Foreign direct investment definitions

**Foreign direct investment (FDI)** - Investment made by a firm or individual in one economy ('direct investor') to acquire a 'lasting interest' in an enterprise operating in another economy. The lasting interest is deemed to exist if the direct investor acquires at least 10% of equity, or equivalently 10% of the voting rights, of the company.

**FDI stock** - The accumulated value of all previous investments at the end of a reference period. Figures are net, that is the value of investment minus disinvestment. **UK outward FDI stock** provides the total value of FDI by UK investors in economies abroad (investment of a UK parent company in Germany), while **UK inward FDI stock** provides the total value of FDI by non-UK investors in the UK (investment of a Germany parent company in the UK).

**Data disclosure** - It can happen that FDI is coming from only a few investors. In that case, figures are suppressed by the ONS to avoid disclosure of information relating to individual enterprises.

**Note:** *The FDI data for 2020 have been affected by changes in sampling methodology. Improvements have been made to the population which has been sampled and the way that businesses are sampled from the population, capturing a wider range of businesses. This will mean 2020 data are more representative of UK FDI with overseas partners.*

*However, some caution should be taken when comparing 2020 data to previous years. The methodology change has led to an increase in reported FDI, particularly inward FDI, in 2020. The effect of this methodology change will vary between partners, although it is not possible to quantify this specific impact for individual partners.*

*More information about the methodology changes can be found on the [ONS website](#).*

#### UK outward FDI stock:

- In 2020, the **stock of FDI from the UK in Germany** was £40.8 billion, 18.7% or £6.4 billion higher than in 2019. In 2020, Germany accounted for 2.5% of the total UK outward FDI stock.
- In 2020, the total UK FDI abroad was £1.7 trillion. In 2020, the **top destination for UK FDI** was United States, accounting for 24.1% of the total UK outward FDI stock, followed by Netherlands (11.2%) and Luxembourg (6.0%).

#### UK inward FDI stock:

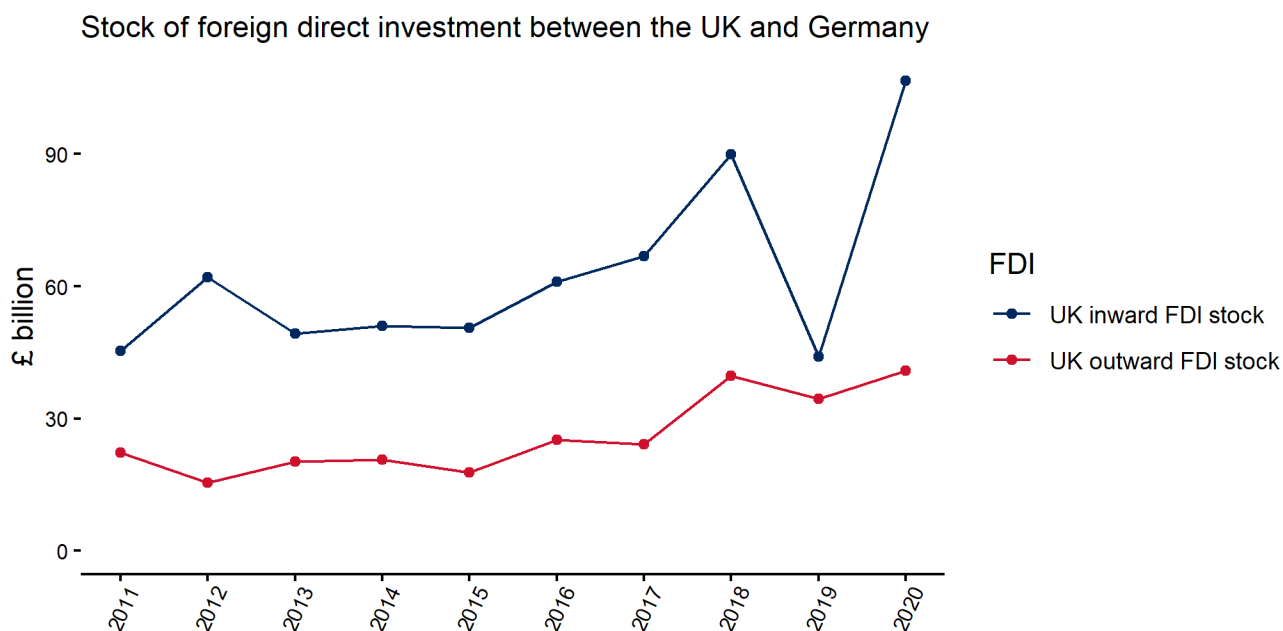
- In 2020, the **stock of FDI from Germany in the UK** was £106.6 billion, 142.2% or £62.6 billion higher than in 2019. In 2020, Germany accounted for 5.5% of the total UK inward FDI stock.
- In 2020, the total FDI in the UK was £1.9 trillion. In 2020, the **top investor in the UK** was United States, accounting for 24.8% of the total UK inward FDI stock, followed by Netherlands (10.4%) and Jersey (7.0%).

<sup>28</sup> ONS data source for FDI statistics: [Foreign Direct Investment involving UK companies](#).

<sup>29</sup> Data are presented on a directional basis which means they are not directly comparable to the asset/liability report prepared by ONS as part of the Balance of Payments statistical release. Figures are on net basis (investments minus disinvestments) and are given in nominal terms. Negative FDI values occur when disinvestments are greater than investments. Data are on an immediate destination/source basis and not an ultimate destination/source, which is likely to overstate financial centres such as the Netherlands and Luxembourg.

<sup>30</sup> This factsheet contains data as reported by the UK and are subject to asymmetries e.g. UK outward FDI to Germany (reported by the UK) may not match Germany inward FDI from the UK (reported by Germany). For consistency when comparing between partners, users are advised to use UK-reported data as far as possible.

The chart below shows FDI between the UK and Germany between 2011 and 2020:



Source: ONS, 2020 FDI main release. Data are on a directional basis, data suppression can cause breaks in the trends.

The data that are presented in the charts above are given in the table below in £ billion:

Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
UK outward FDI stock	22.2	15.5	20.2	20.7	17.7	25.2	24.2	39.7	34.4	40.8
UK inward FDI stock	45.3	62.1	49.3	51.0	50.5	61.0	66.8	89.9	44.0	106.6

## Economic statistics (as reported by Germany)

### Trade and investment data for Germany (UNCTAD)<sup>31 32 33</sup>

The following data are reported by Germany and are for reference only. Whenever possible use data from UK sources for trade and investment. All data below are presented in \$USD in billions.

Year	2014	2015	2016	2017	2018	2019	2020	2021
<b>TRADE</b>								
Nominal exports	1,770.8	1,575.0	1,598.7	1,740.7	1,878.4	1,811.9	1,666.3	1,994.5
Nominal imports	1,511.5	1,320.8	1,342.5	1,479.7	1,636.8	1,593.8	1,449.7	1,770.7
Nominal trade balance	259.3	254.2	256.2	261.1	241.6	218.1	216.6	223.8
<b>INVESTMENT</b>								
Inward FDI stock	859.6	781.7	794.5	963.1	940.6	963.6	1,107.8	1,139.1
Outward FDI stock	1,398.6	1,369.2	1,367.7	1,650.3	1,707.7	1,821.6	1,989.6	2,141.3

<sup>31</sup> United Nations Conference on Trade and Development (UNCTAD) data sources for trade: [Goods and Services \(BPM6\): Exports and imports of goods and services, annual](#); and for investment: [Foreign direct investment: Inward and outward flows and stock, annual](#).

<sup>32</sup> Estimates are given in italics. Historic data pre-2014 can be found on the [UNCTAD website](#).

<sup>33</sup> All trade data are on a Balance of Payments basis. The FDI data are on a directional and net (investment minus disinvestment) basis. These figures are given in current prices and are rounded to the nearest \$0.1 billion, with missing data represented by dashes.

## Economic data and projections for Germany (IMF)<sup>34 35</sup>

The following table presents economic statistics for Germany. Projections include assumptions of the effects of COVID-19 and may be subject to change in the future. Estimated data, as well as projections up to 2027, are presented in italics and are subject to revision.

Year	2019	2020	2021	2022	2023	2024	2025	2026	2027
<b>TRADE GROWTH</b>									
Change in exports (%)	1.1	-10.1	9.8	5.0	4.9	3.8	3.3	3.2	3.0
Change in imports (%)	2.9	-9.2	9.1	6.7	6.8	3.8	3.6	3.5	3.5
<b>CURRENT ACCOUNT</b>									
Current account balance (% of GDP)	7.6	7.1	7.4	5.9	6.9	7.2	7.1	7.0	6.9
<b>GDP</b>									
Change in real GDP (%)	1.1	-4.6	2.9	1.2	0.8	1.5	1.4	1.2	1.1
GDP per capita (1,000 \$USD)	46.8	46.2	50.8	51.1	54.8	57.4	59.8	62.1	64.4
GDP PPP (Int'l \$billion)	4,696.7	4,536.5	4,856.8	5,270.0	5,575.9	5,798.3	5,999.6	6,191.7	6,386.2
<b>INFLATION</b>									
Inflation, year average (CPI %)	1.4	0.4	3.2	5.5	2.9	1.8	1.8	1.9	2.0
<b>UNEMPLOYMENT</b>									
Unemployment rate (% of total labour force)	3.2	3.8	3.5	3.2	3.2	3.2	3.2	3.1	3.1
<b>POPULATION</b>									
Population (million)	83.1	83.2	83.2	83.3	83.4	83.4	83.4	83.3	83.3
<b>INVESTMENT-SAVINGS</b>									
Total investment (% of GDP)	22.1	21.1	22.7	22.7	21.8	21.8	21.9	21.9	22.0
Gross national savings (% of GDP)	29.7	28.2	30.1	28.6	28.6	29.0	29.0	28.9	28.9
<b>BUDGET DEFICIT-DEBT</b>									
General government net lending/borrowing (% of GDP)	1.5	-4.3	-3.7	-3.3	-0.7	-0.1	0.3	0.4	0.4
General government gross debt (% of GDP)	58.9	68.7	70.2	70.9	67.7	65.5	63.2	60.9	58.7

Germany was the 4<sup>th</sup> largest economy in 2021, in terms of gross domestic product (GDP). The UK was the 5<sup>th</sup> largest economy in 2021.<sup>36</sup>

<sup>34</sup> International Monetary Fund (IMF) provide economic commentary in their [World Economic Outlook reports](#). The latest data presented here can be found in the [World Economic Database, April 2022](#). Changes in real GDP (%) includes latest estimates from the [July 2022](#) World Economic Outlook report for those economies where [data](#) were provided.

<sup>35</sup> Projections and estimates are given in italics. More information for each metric and each partner, as well as historic data pre-2019, can be found on the [IMF website](#).

<sup>36</sup> GDP ranking based on values in current prices (nominal terms) in \$USD. Some GDP values for partners are based on estimates which may influence the rankings when revised.

## Top goods traded with the world by Germany (UN Comtrade)<sup>37 38</sup>

Data presented here shows the top commodities traded to the world, not solely the UK, by Germany. These commodities are presented on a different classification from the earlier data by commodity from the ONS and should not be directly compared.

You access more statistics about individual export and import **markets** for Germany by using the online [UN Comtrade tool](#) developed by the Department for International Trade and the Department for Business, Energy and Industrial Strategy.

### Top goods exported to the world by Germany in 2020:

Rank	HS Commodity	\$USD billion	% of total goods exported
1	84 - Machinery and mechanical appliances	237.6	17.1%
2	87 - Vehicles other than railway or tramway stock	211.3	15.2%
3	85 - Electrical machinery and equipment	153.2	11.1%
4	30 - Pharmaceutical products	99.3	7.2%
5	90 - Optical, photographic, cinematographic and medical equipment	74.7	5.4%
6	39 - Plastics and articles thereof	58.4	4.2%
7	99 - Commodities not specified according to kind	30.6	2.2%
8	88 - Aircraft, spacecraft, and parts thereof	28.7	2.1%
9	73 - Articles of iron or steel	28.2	2.0%
10	38 - Miscellaneous chemical products	27.2	2.0%
	<b>All goods exported</b>	<b>1385.9</b>	<b>100.0%</b>

### Top goods imported from the world by Germany in 2020:

Rank	HS Commodity	\$USD billion	% of total goods imported
1	84 - Machinery and mechanical appliances	151.1	12.9%
2	85 - Electrical machinery and equipment	150.2	12.8%
3	87 - Vehicles other than railway or tramway stock	124.3	10.6%
4	27 - Mineral fuels or oils, products of their distillation	76.6	6.5%
5	30 - Pharmaceutical products	67.1	5.7%
6	90 - Optical, photographic, cinematographic and medical equipment	42.8	3.6%
7	39 - Plastics and articles thereof	41.9	3.6%
8	29 - Organic chemicals	38.0	3.2%
9	71 - Precious stones and metals	25.8	2.2%
10	73 - Articles of iron or steel	22.0	1.9%
	<b>All goods imported</b>	<b>1173.2</b>	<b>100.0%</b>

<sup>37</sup> United Nations (UN) Comtrade data are sourced from the online [UN Comtrade tool](#). The data reported above are for 2020, but as the data upload to UN Comtrade is continuous, more timely data may be available from the source.

<sup>38</sup> Data are classified using the [Harmonized System](#) and are given on a physical movement basis, with UK data comparable to HMRC data sources rather than the headline trade figures presented here from ONS.

## Top services traded with the world by Germany (ITC Trade Map)<sup>39 40 41</sup>

Data presented here shows the top service types traded to the world, not solely the UK, by Germany.

### Top services exported to the world by Germany in 2020:

Rank	EBOPS Service Type	\$USD billion	% of total services exported
1	Other business services	89.3	28.8%
2	Transport	54.3	17.5%
3	Charges for the use of intellectual property n.i.e.	35.9	11.6%
4	Telecommunications, computer, and information services	34.6	11.1%
5	Financial services	29.1	9.4%
	<b>All services exported</b>	<b>310.7</b>	<b>100.0%</b>

### Top services imported from the world by Germany in 2020:

Rank	EBOPS Service Type	\$USD billion	% of total services imported
1	Other business services	94.8	30.7%
2	Transport	61.3	19.8%
3	Telecommunications, computer, and information services	42.4	13.7%
4	Travel	41.0	13.3%
5	Financial services	18.3	5.9%
	<b>All services imported</b>	<b>308.8</b>	<b>100.0%</b>

<sup>39</sup> International Trade Centre (ITC) Trade Map data are sourced from the online [ITC Trade Map tool](#). The data above are for 2020, but as the data upload to ITC is continuous, more timely data may be available from the source.

<sup>40</sup> Data are classified on the [EBOPS 2010](#) basis. 'Other business services' include: Research and development, professional and management consulting services, technical services and trade related services. A full description of all service types can be found on the [UN Statistics Division website](#).

<sup>41</sup> Estimates are shown in italics, where for some partners only estimates are available - These data have been included for information and should be treated with caution.



## Background Notes

This document is one of a wider set of factsheets between the UK and its individual trade and investment partners which can be found on the [Trade and Investment Factsheets website](#). All of these factsheets are published as [Official Statistics](#) as defined by the [UK Statistics Authority](#), and are compliant with the [Code of Practice for Statistics](#) where they meet user needs as well as promoting trustworthiness, quality and public value in Government statistics. The publication of these factsheets as Official Statistics was agreed by the Chief Statistician at the Department for International Trade, who monitors these factsheets to ensure they continue to adhere to the [Code of Practice for Statistics](#). These factsheets have not been formally assessed by the [Office of Statistics Regulation](#) and are therefore not designated as [National Statistics](#).

As a requisite of publishing as Official Statistics, a [quality and methodology report](#) has been produced which outlines the quality of these factsheets, as well as providing more information on the methodology of the data sources presented here. This report contains hyperlinks to information on the strengths and weaknesses for each data source. Statistics contained in the factsheets from UK data providers all come from Official Statistics publications, with some sources also being from National Statistics publications.

Future updates of these factsheets can be found on the [Government update schedule for Official Statistics](#). These scheduled updates are in line with significant updates from UK data providers when they release new data. Unscheduled releases of the factsheets may also be necessary to accommodate data updates where little or no advanced notice are given, such as in the case of international data updates. Please see the data update schedule and revisions policy in the [quality and methodology report](#) for more information. Please note that there may be occasions where more recent data than is provided here can be found directly from the data providers.

The Department for International Trade welcome any feedback or comments on these factsheets, please send these to [statistics@trade.gov.uk](mailto:statistics@trade.gov.uk).



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