

Statistical bulletin

# GDP quarterly national accounts, UK: January to March 2023

Revised quarterly estimate of gross domestic product (GDP) for the UK. Uses additional data to provide a more precise indication of economic growth than the first estimate.



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# 1 . Main points

- UK gross domestic product (GDP) is estimated to have increased by an unrevised 0.1% in Quarter 1 (Jan to Mar) 2023.
- In output terms, the services sector grew by 0.1% on the quarter driven by increases in information and communication, and administrative and support service activities; elsewhere, the construction sector grew by a revised 0.4% (previously 0.7%), while the production sector grew by 0.1%, with a revised 0.6% growth in manufacturing (previously 0.5%).
- The GDP implied deflator rose by 6.5% in the year to Quarter 1 2023, primarily reflecting higher cost pressures faced by households.
- The household saving ratio is 8.7% in the latest quarter down from 9.3% in Quarter 4 (Oct to Dec) 2022.
- Real households' disposable income (RHDI) fell by 0.8% following positive growth of 1.3% in Quarter 4 (Oct to Dec) 2022.
- Households experienced simultaneous withdrawals from their deposit accounts and negative secured loans for the first time ever.

## 2 . Headline GDP figures

UK gross domestic product (GDP) is estimated to have increased by an unrevised 0.1% in Quarter 1 (Jan to Mar) 2023. This follows growth of 0.1% in the previous quarter (Figure 1). The level of quarterly GDP in Quarter 1 2023 is now 0.5% below its pre-coronavirus (COVID-19) level (Quarter 4 (Oct to Dec) 2019).

In line with the [National Accounts Revision Policy](#), revisions are open for Quarter 1 2023 only as part of this publication. While the quarterly path of real GDP is unrevised, there have been some revisions to individual components for GDP. For more information, see [Section 6: Revisions to GDP](#).

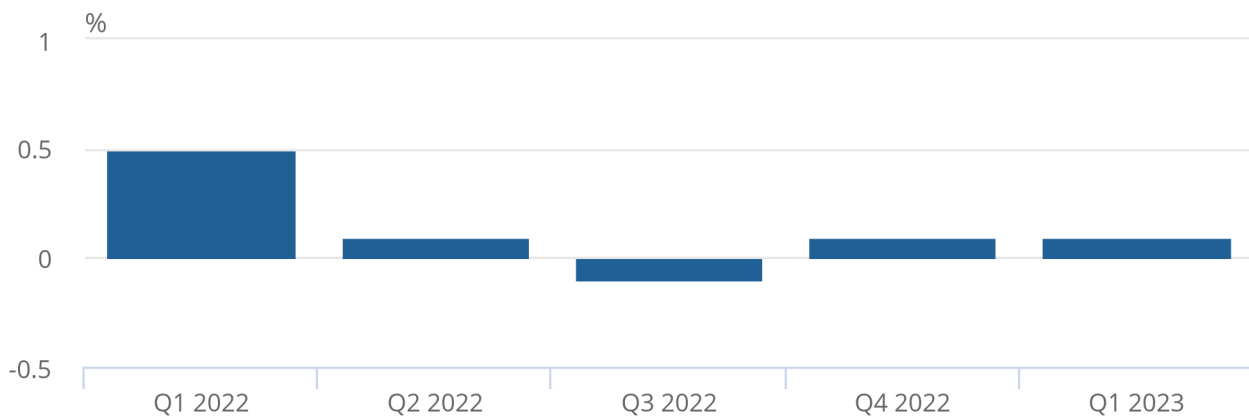
Early estimates of GDP are subject to revision (positive or negative), for more information please see our [Communicating the UK economic cycle methodology](#).

**Figure 1: Real gross domestic product (GDP) is estimated to have increased by 0.1% in Quarter 1 (Jan to Mar) 2023, unrevised from the first estimate**

UK, Quarter 1 (Jan to Mar) 2022 to Quarter 1 2023

Figure 1: Real gross domestic product (GDP) is estimated to have increased by 0.1% in Quarter 1 (Jan to Mar) 2023, unrevised from the first estimate

UK, Quarter 1 (Jan to Mar) 2022 to Quarter 1 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows the quarter on previous quarter growth (%).
3. This release sees revisions to Quarter 1 2023 in line with the [National Accounts Revision Policy](#). For more information, see the revisions to GDP section.

Nominal GDP is estimated to have increased by 1.2% in Quarter 1 2023, revised up from a previous estimate of 1.0%.

Table 1: Headline national accounts indicators for the UK

% growth [note 1]

	Chained volume measures		Current market prices	
	GDP	GDP per head	GDP	GDP implied deflator
<b>Seasonally adjusted</b>				
<b>2021</b>	7.6	7.2	7.6	0.0
<b>2022</b>	4.1	3.4	9.7	5.4
<b>Q1 2021</b>	-1.1	-1.1	-0.3	0.7
<b>Q2 2021</b>	6.5	6.4	4.5	-1.9
<b>Q3 2021</b>	1.7	1.6	2.7	0.9
<b>Q4 2021</b>	1.5	1.4	2.7	1.1
<b>Q1 2022</b>	0.5	0.2	2.3	1.8
<b>Q2 2022</b>	0.1	-0.1	2.0	1.9
<b>Q3 2022</b>	-0.1	-0.2	1.4	1.5
<b>Q4 2022</b>	0.1	0.0	2.0	1.9
<b>Q1 2023</b>	0.1	0.0	1.2	1.0

Source: GDP quarterly national accounts from the Office for National Statistics

Notes

1. Percentage change on previous period.
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
3. Population data are consistent with the mid-2020 estimates published on 27 January 2023.

The implied GDP deflator represents the broadest measure of inflation in the domestic economy, reflecting changes in the price of all goods and services that comprise GDP. It is important to note that the GDP deflator covers the whole of the domestic economy, not just consumer spending, and also reflects the change in the relative price of exports to imports. For more information on the implied GDP deflator, see our [Measuring price changes of the UK national accounts: February 2023 article](#).

The implied price of GDP rose by a revised 1.0% in Quarter 1 2023 (previously 0.9%) following growth of 1.9% in the previous quarter. Growth in the latest quarter was primarily driven by higher price pressures for household consumption, including [the effects of higher food, energy and core price inflation in the UK](#).

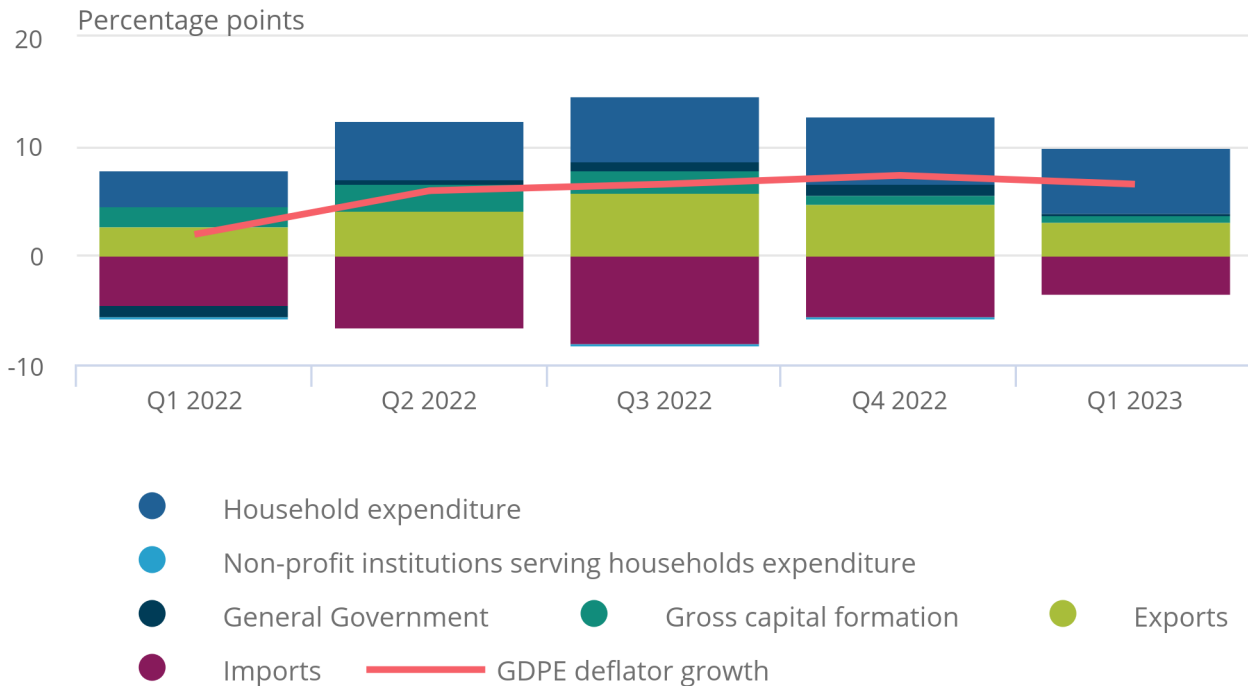
Compared with the same quarter a year ago, there was a 6.5% increase in the GDP implied deflator, revised from a first estimate of 6.3%. In the year to Quarter 1 2023, growth has been driven by strong rises in the price of household consumption, though there was a slowing in how much these prices increased. There have also been large price movements in internationally traded goods and services, because of [multi-decade highs in global inflation](#), although there was a slight easing in these inflationary pressures (Figure 2). Further information on the price movements of trade is discussed in our [The purchasing power of GDP, UK: 2022 article](#).

**Figure 2: The implied price of gross domestic product (GDP) increased by 6.5% in Quarter 1 (Jan to Mar) 2023 compared with the same quarter a year ago**

UK, contributions to quarter on quarter a year ago implied price deflator, Quarter 1 (Jan to Mar) 2022 to Quarter 1 2023

Figure 2: The implied price of gross domestic product (GDP) increased by 6.5% in Quarter 1 (Jan to Mar) 2023 compared with the same quarter a year ago

UK, contributions to quarter on quarter a year ago implied price deflator, Quarter 1 (Jan to Mar) 2022 to Quarter 1 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Components contribution may not sum to total because of rounding.
3. An increase in import prices contributes negatively to the implied GDP deflator, while a decrease in import prices contributes positively to the implied GDP deflator.

### 3 . Output

In Quarter 1 (Jan to Mar) 2023, output is estimated to have increased by 0.1% (unrevised from the first estimate). Services and production growth are both unrevised at a 0.1% increase. Construction output increased by 0.4% in Quarter 1 2023, revised down from a first estimate of 0.7% growth.

## Services

Services output rose by an unrevised 0.1% in Quarter 1 (Jan to Mar) 2023, following a 0.1% increase in Quarter 4 (Oct to Dec) 2022. Figure 3 shows that there was a mixed performance for the service sub-sectors in the first quarter, with growth in 6 out of the 14 sub-sectors partially offset by falls in the other 8. This position is largely unchanged from the first estimate.

Overall, consumer-facing services detracted from growth in Quarter 1 2023, falling by a revised 0.3%, while all other services increased by 0.2%.

The largest positive contribution to growth was from the information and communication sub-sector, which grew by 1.3%, with increases in computer programming, consultancy and related activities, and telecommunications. The second largest positive contribution to growth was from administrative and support service activities, which increased 1.6%.

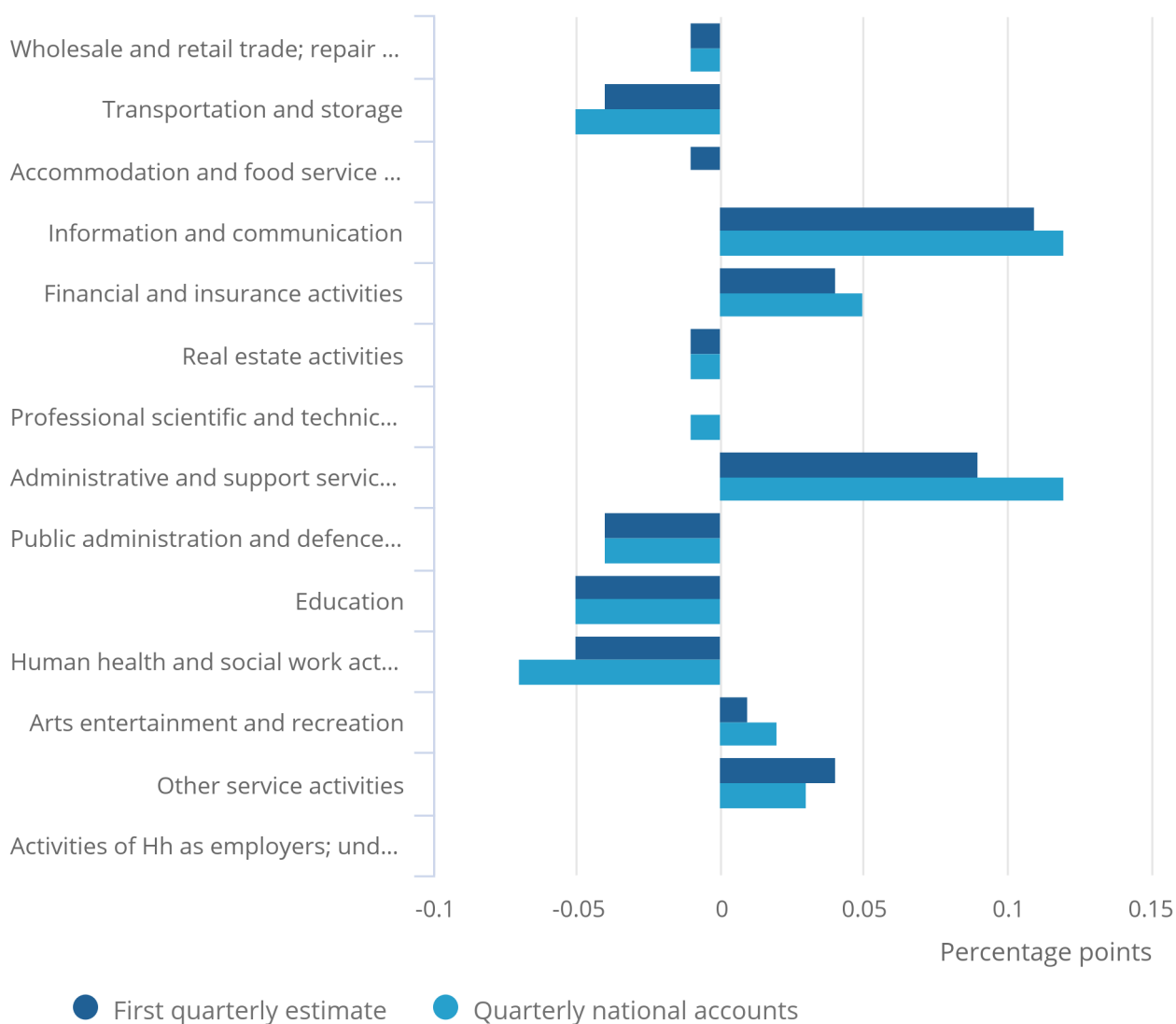
However, these increases were partially offset by declines in health (0.8%), transport and storage (1.1%), education (0.6%), and public administration and defence (0.7%). These are areas that saw industrial action take place across the quarter. While some of the direct impact of the strikes in these industries can be seen in the profile of the quarterly changes in output, we are not able to isolate the impact of these strikes from other factors across the wider economy. However, there was anecdotal evidence to suggest industrial action had an impact across a wide range of industries. For further information, please see our [GDP monthly estimate, UK bulletin](#).

**Figure 3: There have been minimal revisions to quarterly growth across the services sector in Quarter 1 (Jan to Mar) 2023**

UK, contributions to services growth, Quarter 1 (Jan to Mar) 2023

Figure 3: There have been minimal revisions to quarterly growth across the services sector in Quarter 1 (Jan to Mar) 2023

UK, contributions to services growth, Quarter 1 (Jan to Mar) 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

- 1. Components contribution may not sum to total because of rounding.

## Production

Production output increased by 0.1% in Quarter 1 2023, unrevised from the first estimate. This follows no growth in the previous quarter and five consecutive falls before that.

The increase in production output in the latest quarter was mainly driven by an increase of 0.6% in manufacturing (revised up from a first estimate of 0.5%). This upward revision in manufacturing was offset by a downward revision in mining and quarrying, which is now estimated to have fallen by 5.4% in the latest quarter (previously estimated as a 5.0% fall, reflecting later and revised data).

There were increases in 8 out of the 13 manufacturing sub-sectors. The largest positive contributions were from the manufacture of basic metals and metal products, and the manufacture of computer, electronic and optical products, which increased by 4.0% and 3.2% respectively in Quarter 1 2023 (Figure 4). These increases were partially offset by a fall in the manufacture of basic pharmaceutical products and pharmaceutical preparations, which decreased 4.7%. Figure 4 shows the contributions to manufacturing growth is largely unchanged from the first estimate.

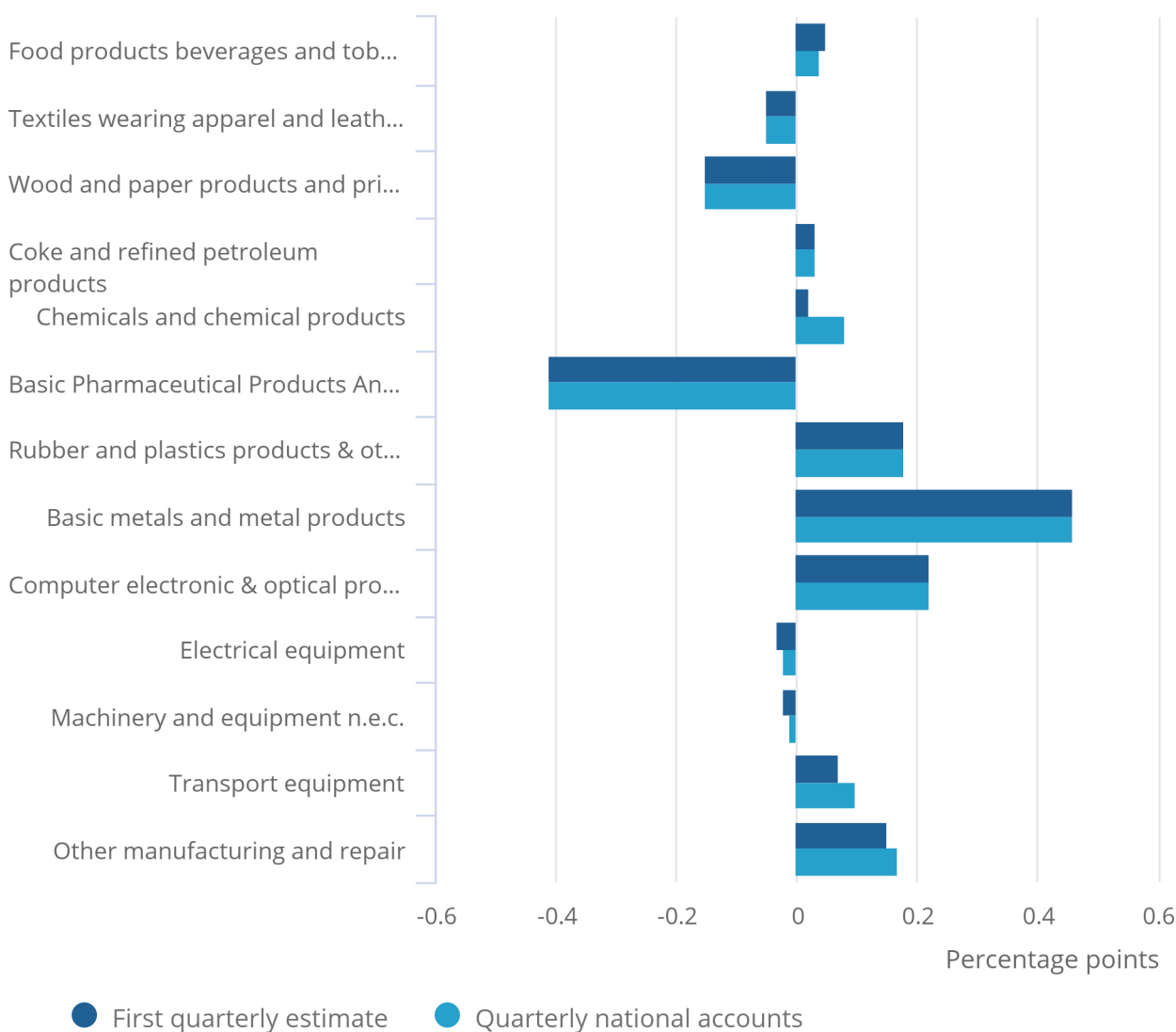


**Figure 4: There have been minimal revisions to quarterly growth across the manufacturing sector in Quarter 1 (Jan to Mar) 2023**

UK, contributions to manufacturing growth, Quarter 1 (Jan to Mar) 2023

Figure 4: There have been minimal revisions to quarterly growth across the manufacturing sector in Quarter 1 (Jan to Mar) 2023

UK, contributions to manufacturing growth, Quarter 1 (Jan to Mar) 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

1. Components contribution may not sum to total because of rounding.

## Construction

Construction output rose by 0.4% in Quarter 1 2023, revised down from a first estimate of 0.7%, reflecting revised and new survey data. The growth in Quarter 1 2023 was driven by repair and maintenance, which grew by 4.5% with all three subsectors growing on the quarter. This growth was partially offset by a fall of 2.2% in new work.

## 4 . Expenditure

There was no change in household consumption in Quarter 1 (Jan to Mar) 2023, while there was higher gross fixed capital formation on the quarter. This was partially offset by a decline in government consumption as well as a decrease in the volume of net trade in Quarter 1 2023.

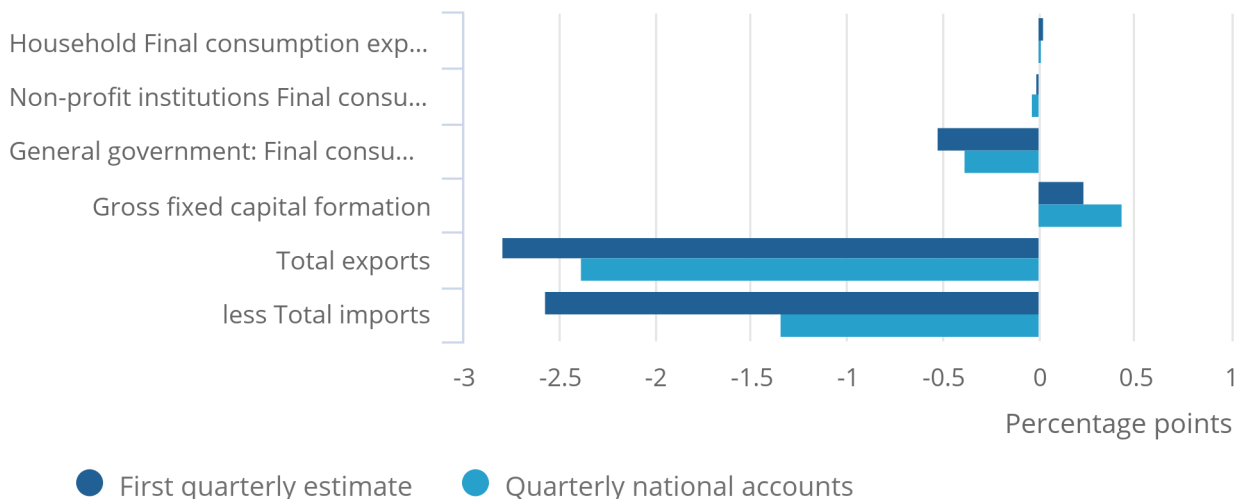
Figure 5 shows the previous and latest contributions to expenditure in Quarter 1 2023. The impact of revisions on real gross domestic expenditure over this period have been minimal, although there have been upward revisions to business investment and trade. For more information, please refer to the gross capital formation section and net trade section of this bulletin.

**Figure 5: There has been minimal impact of revisions on real gross domestic expenditure, although there have been some revisions to underlying components**

UK, contributions by expenditure components, Quarter 1 (Jan to Mar) 2023

Figure 5: There has been minimal impact of revisions on real gross domestic expenditure, although there have been some revisions to underlying components

UK, contributions by expenditure components, Quarter 1 (Jan to Mar) 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

1. The chart for presentation purposes excludes changes in inventories and acquisitions less disposable of assets.
2. Contributions may not sum to total because of rounding.



## Private consumption

Within private consumption, there was no growth in real household expenditure in Quarter 1 2023 (unrevised from the first estimate), following 0.2% growth in the previous quarter, as real household incomes continue to be squeezed by high inflation. There were increases in expenditure on recreation and culture, clothing and footwear, communications, and housing in the latest quarter (Figure 6). These were offset by falls in transport, and alcohol and tobacco. [Net tourism](#) is a significant downward driver of national expenditure. This is because of an increase in foreign tourists' expenditure in the UK, which has a negative contribution to the net tourism. Tourism data for Quarter 1 2023 are currently forecast (and therefore subject to future revision) with reference to secondary sources such as passenger numbers through UK airports.

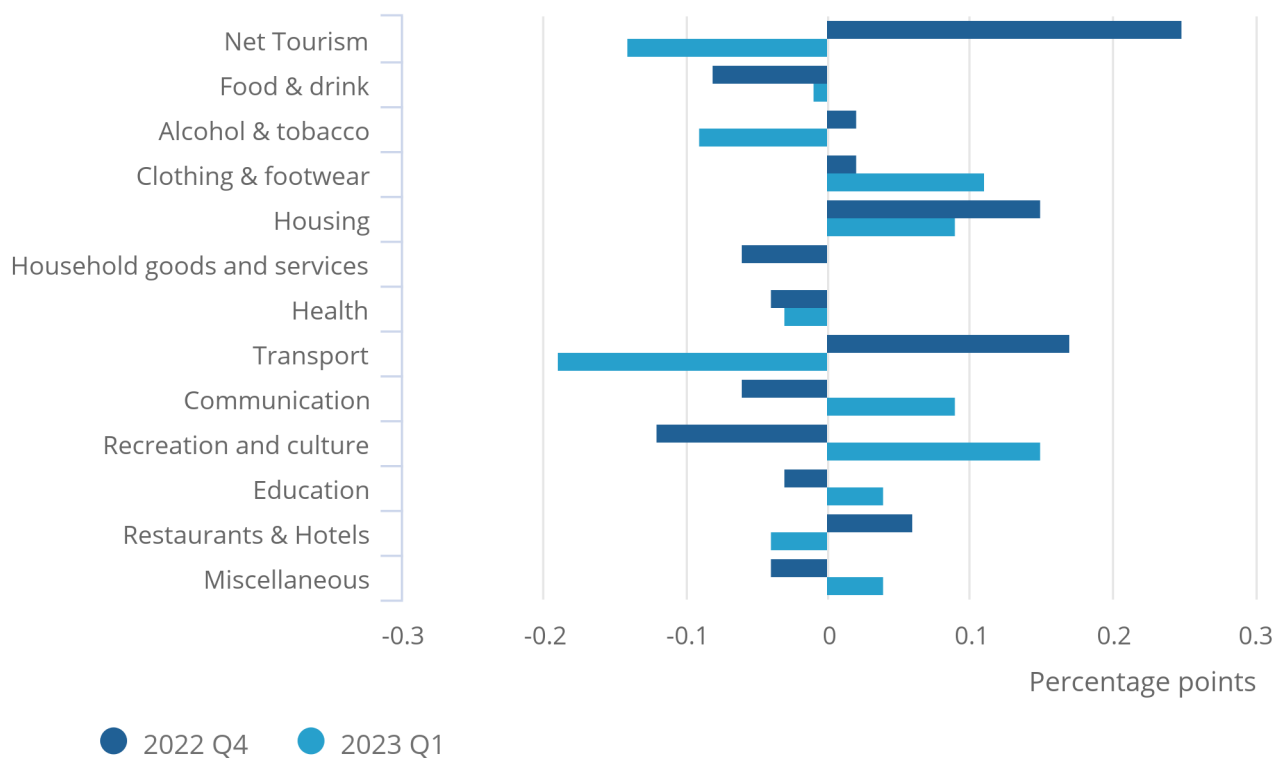
In current price terms, household expenditure rose by 1.3% on the quarter, as recent inflationary pressures increased the nominal value of this spending. The implied price of household expenditure increased by 9.5% when compared with Quarter 1 2022. This was an easing in inflationary pressures from the 10.3% in the year to Quarter 4 (Oct to Dec) 2022, although the rate of the price change in household expenditure is still high by historical standards.

**Figure 6: Increases in recreation and culture and clothing and footwear were offset by a decline in spending on transport in Quarter 1 (Jan to Mar) 2023**

UK, contributions to household consumption growth, Quarter 4 (Oct to Dec) 2022 and Quarter 1 (Jan to Mar) 2023

**Figure 6: Increases in recreation and culture and clothing and footwear were offset by a decline in spending on transport in Quarter 1 (Jan to Mar) 2023**

UK, contributions to household consumption growth, Quarter 4 (Oct to Dec) 2022 and Quarter 1 (Jan to Mar) 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

1. Components' contribution may not sum to total because of rounding.

## Consumption of government goods and services

Real government consumption expenditure fell by 1.8% in Quarter 1 2023, revised up from a first estimate fall of 2.5%. The upward revision reflects updated estimates on spending on public administration and defence.

Across the quarter, the fall was mainly driven by a decline in nominal spending on public administration and defence. There were also falls in the volumes of education and health, where there were weaker volumes as a result of industrial action taking place in this quarter. However, we are not able to isolate the impact of these strikes from other factors across the wider economy.

## Gross capital formation

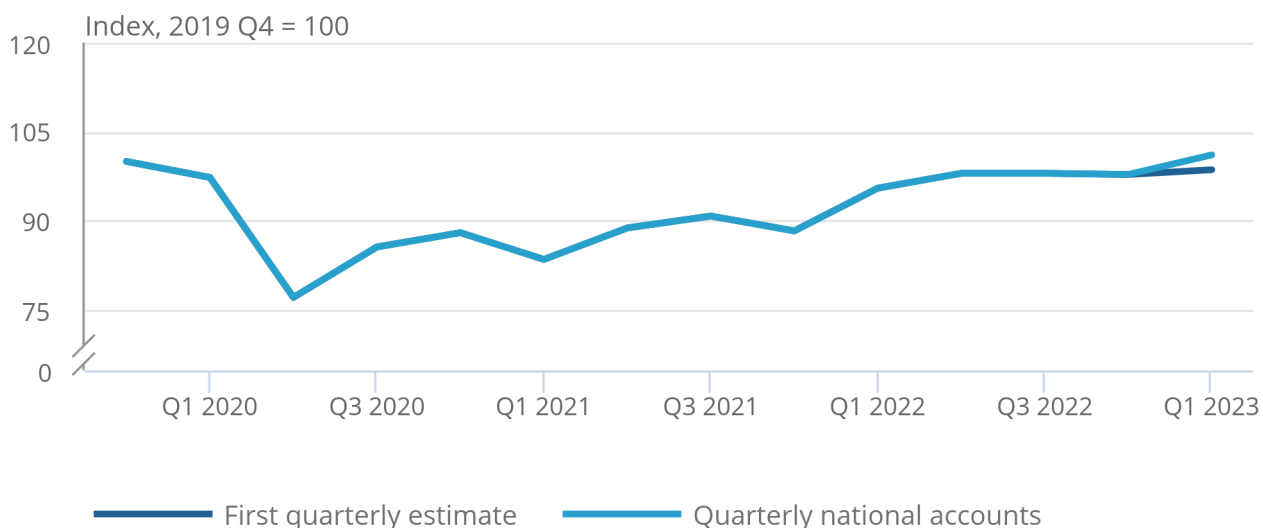
There was a pickup in gross fixed capital formation (GFCF), which increased by 2.4% in Quarter 1 2023, revised up from a first estimate of 1.3%. The upward revision in GFCF mainly reflects an upward revision in business investment, which is now estimated to have increased by 3.3% (previously estimated at 0.7%) in Quarter 1 2023. These revised estimates show strong growth in business investment in the latest quarter, with anecdotal evidence suggesting that this reflects the bringing forward of investment in response to the [super-deduction allowance](#) that enabled companies to cut their tax bill by up to 25 pence for every £1 invested, and which expired on 31 March 2023. For more information, please see our [Business investment in the UK bulletin](#).

### Figure 7: Business investment is now estimated to have increased by 3.3% in Quarter 1 (Jan to Mar) 2023

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 1 (Jan to Mar) 2023

#### Figure 7: Business investment is now estimated to have increased by 3.3% in Quarter 1 (Jan to Mar) 2023

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 1 (Jan to Mar) 2023



Source: GDP quarterly national accounts from the Office for National Statistics

#### Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Index is referenced to Quarter 4 2019.

Excluding the alignment and balancing adjustments, estimates show that inventories increased by £0.5 billion in Quarter 1 2023, revised up from a fall of £1.8 billion in the first estimate.

Table 2: Change in inventories, including and excluding balancing and alignment adjustments  
UK, Quarter 1 (Jan to Mar) 2022 to Quarter 1 2023

	<b>Change in Inventories</b>	<b>Of which alignment</b>	<b>Of which balancing</b>	<b>Change in Inventories excluding alignment and balancing</b>
<b>Q1 2022 Current price</b>	12314	-2806		15120
<b>Q1 2022 Chained volume measure</b>	8822	-2554		11376
<b>Q2 2022 Current price</b>	14229	2106		12123
<b>Q2 2022 Chained volume measure</b>	7979	1932		6047
<b>Q3 2022 Current price</b>	3105	-3002		6107
<b>Q3 2022 Chained volume measure</b>	-3923	-2635		-1288
<b>Q4 2022 Current price</b>	5777	3702	500	1575
<b>Q4 2022 Chained volume measure</b>	1538	3257	500	-2219
<b>Q1 2023 Current price</b>	-364	-2940	-500	3076
<b>Q1 2023 Chained volume measure</b>	-2532	-2539	-500	507

Source: GDP quarterly national accounts from the Office for National Statistics

#### Notes

1. Data are in £ millions.
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
3. Alignment adjustments typically have a target limit of plus or minus £3,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed.

## Net trade

HM Revenue and Customs (HMRC) implemented a data collection change affecting data on goods exports from Great Britain (GB) to the EU in January 2021, and data on goods imports from the EU to GB in January 2022. For more information see [HMRC's Methodology changes to trade in goods statistics from March 2022 article](#).

We have applied adjustments to our estimates of goods imports from the EU for 2021 to reflect this data collection change, which brought imports and exports statistics onto a like-for-like basis in 2021, as detailed in our [Trade in goods: Adjustments to 2021 EU imports estimates, by chapter dataset](#). The full time series for goods imports from and exports to the EU contains a discontinuity from January 2021 resulting from the move from Intrastat to customs declarations, as detailed in our [Impact of trade in goods data collection changes on UK trade statistics: adjustments to 2021 EU imports estimates article](#). We are continuing to work with HMRC to consider possible options to account for this discontinuity.

Separately, when the requirement for customs declaration was introduced for imports of goods to GB from the EU in January 2022, a new policy of Staged Customs Controls (SCC) was also implemented. This allowed customs declarations to be reported up to 175 days after the date of import for imports of non-controlled goods from the EU to GB. It is likely that some double counting occurred, with imports in the second half of 2021 recorded by the Intrastat Survey, then some appearing again on customs declarations in the first half of 2022. We published an [Impact of trade in goods data collection changes on UK trade statistics: update on Staged Customs Controls article](#) on 17 February 2023, and will publish our [Impact of trade in goods data collection changes on UK trade statistics: further update on Staged Customs Controls article on 3 July 2023](#). Temporary arrangements still apply for imports of goods from Ireland to GB.

The UK's trade deficit for goods and services was 2.0% of nominal gross domestic product (GDP) in Quarter 1 2023, revised down from a first estimate deficit of 1.4%. However, there have been large movements in non-monetary gold over the last quarter, which can be volatile. Excluding non-monetary gold, the trade deficit was 3.0% of nominal GDP in Quarter 1 2023, revised down from a first estimate deficit of 2.3% (Figure 8).

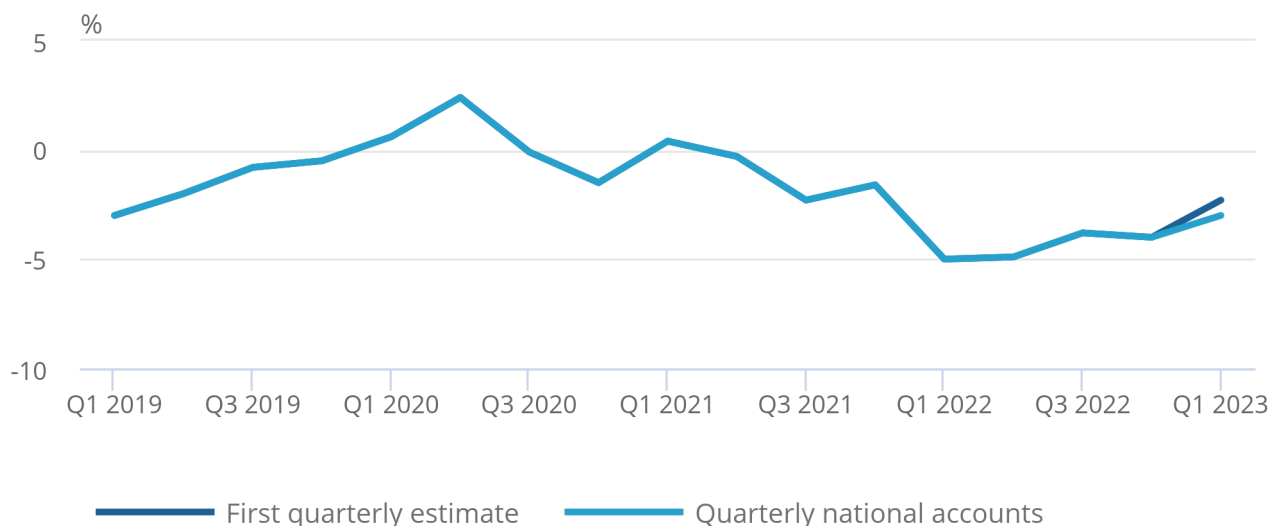


**Figure 8: Excluding non-monetary gold, the UK had a trade deficit of 3.0% of nominal gross domestic product (GDP) in Quarter 1 2023**

UK, trade balance as a percentage of nominal GDP, excluding non-monetary gold, Quarter 1 (Jan to Mar) 2019 to Quarter 1 2023

Figure 8: Excluding non-monetary gold, the UK had a trade deficit of 3.0% of nominal gross domestic product (GDP) in Quarter 1 2023

UK, trade balance as a percentage of nominal GDP, excluding non-monetary gold, Quarter 1 (Jan to Mar) 2019 to Quarter 1 2023



Source: GDP quarterly national accounts from the Office for National Statistics

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. [Non-monetary gold](#) (NMG) is an erratic series and so it can be useful to consider this excluded from the trade balance.

Export volumes fell by 6.9% in the latest quarter, revised up from a first estimate fall of 8.1%. The decrease in total exports was driven by a fall of 13.0% in goods exports (revised down from a 12.9% fall) as well as a 0.3% decrease in services exports (revised up from a 2.9% fall). The fall in goods exports was mainly driven by large movements in non-monetary gold, however this series appears within gross capital formation (GCF) as valuables and so the effect is GDP neutral.

The decline in services exports was driven mainly by other business services, with telecommunications and computer and information services all also contributing to the decrease.

Import volumes decreased by 3.8% in the latest quarter, revised up from a first estimate fall of 7.2%. This decline was driven by a 7.4% decrease in goods imports, driven mainly by machinery and chemicals. The fall in machinery and equipment was driven by cars, following strong growth in the previous quarter.

Services imports is now estimated to have increased by 4.5% in the latest quarter, revised up from a first estimate fall of 5.9%.



## 5 . Income

Nominal gross domestic product (GDP) rose by 1.2% in Quarter 1 (Jan to Mar) 2023, revised up from a previous estimate of 1.0%. The quarterly rise was driven by growth in gross operating surplus, other income and compensation of employees, partially offset by higher subsidy payments around the Energy Price Guarantee and the Energy Bill Relief Scheme.

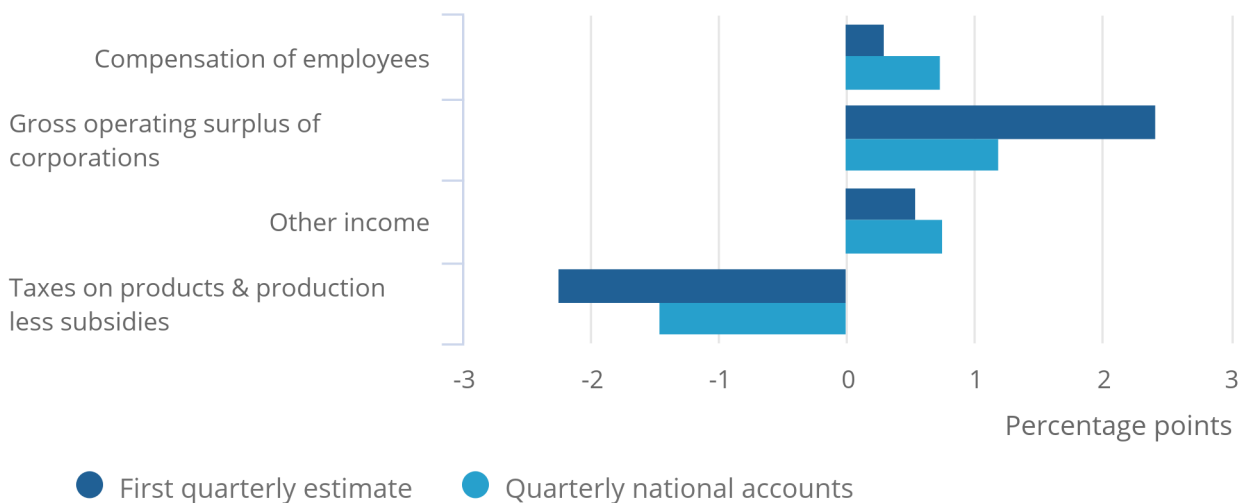
Figure 9 shows the previous and latest contributions to nominal GDP in Quarter 1 2023. The impact of revisions on nominal gross domestic income over this period have been minimal, although there have been larger revisions to income components.

**Figure 9: There has been minimal impact of revisions on nominal gross domestic income, although there have been some revisions to underlying components**

UK, contributions to nominal gross domestic product (GDP), Quarter 1 (Jan to Mar) 2023

Figure 9: There has been minimal impact of revisions on nominal gross domestic income, although there have been some revisions to underlying components

UK, contributions to nominal gross domestic product (GDP), Quarter 1 (Jan to Mar) 2023



**Source: GDP quarterly national accounts from the Office for National Statistics**

**Notes:**

1. Components' contributions may not sum to total because of rounding.
2. The alignment adjustment is included in the gross operating surplus of nominal GDP.

Compensation of employees is now estimated to have increased by 1.4% in Quarter 1 2023, revised up from a first estimate increase of 0.6%. The increase was driven by a rise in wages and salaries of 1.8%, revised up from the first estimate of 1.2%.

Revised estimates show that taxes less subsidies fell by 13.9% in Quarter 1 2023, revised from a previous estimate fall of 21.7% where we have received more up-to-date information on recent subsidy payments. This was driven by a large increase in subsidies because of the Energy Price Guarantee Scheme and the Energy Bill Relief Scheme.

In October 2022, the Office for National Statistics (ONS) announced that the Energy Price Guarantee scheme had been classified as a subsidy on products from central government to energy suppliers in the non-financial corporations sector in the UK. For more information, see our [Energy Price Guarantee classification](#).

The equivalent support scheme for businesses and non-domestic customers was announced as the Energy Bill Relief Scheme. This scheme will provide a discount on gas and electricity unit prices and the UK government will compensate the suppliers for this reduction. In October 2022, the ONS announced that the scheme had also been classified as a subsidy on products from central government to energy suppliers in the non-financial corporations sector in the UK. For more information, see our [Energy Bill Relief Scheme classification](#). This quarter's figure is updated from [GDP first quarterly estimate](#), however this will be revised over the coming months as firmer data become available.

Total gross operating surplus (GOS) of corporations excluding the alignment adjustment, increased by 4.1% (Table 3), reflecting some of the uncertainty around recording the full impacts of the Energy Price Guarantee Scheme. Data content for this component is low at this stage in the GDP publication model. Including the alignment adjustment, total GOS of corporations increased by 5.1% in Quarter 1 2023, revised down from a first estimate increase of 10.8%, reflecting a reduction in the size of the income alignment adjustment. The alignment adjustment is larger than normal for Quarter 4 (Oct to Dec) 2022 and Quarter 1 2023 (Table 3), although the size of this alignment adjustment has reduced significantly since the first estimate because of upward revisions in taxes less subsidies and compensation of employees. More detail can be found in [Section 11: Measuring the data](#).

Elsewhere in GOS of corporations, there was an increase of 6.0% in financial corporations. This reflects a strong increase in monetary financial institutions with strong growth in Financial intermediation services indirectly measured (FISIM).

Table 3: Gross operating surplus of corporations, including and excluding alignment adjustments  
UK, Quarter 1 (Jan to Mar) 2022 to Quarter 1 2023

	<b>Gross operating surplus of corporations</b>	<b>Of which alignment</b>	<b>Gross operating surplus of corporations excluding alignment</b>	<b>Gross operating surplus of corporations excluding alignment</b>
<b>Quarter-on-quarter growth</b>				
<b>Q1 2022</b>	129367	-2826	132193	4.2
<b>Q2 2022</b>	133015	-591	133606	1.1
<b>Q3 2022</b>	132669	-3143	135812	1.7
<b>Q4 2022</b>	143987	6560	137427	1.2
<b>Q1 2023</b>	151396	8376	143020	4.1

Source: GDP quarterly national accounts from the Office for National Statistics

#### Notes

1. Data are in £ millions unless labelled otherwise. Growth rates are percentage movements.
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
3. Alignment adjustments typically have a target limit of plus or minus £3,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed.

## 6 . Revisions to GDP

In line with the [National Accounts Revisions Policy](#), the dataset is open to revision back to Quarter 1 (Jan to Mar) 2023 only as part of this publication. There are revisions in this release because of the replacement of forecasts with actual survey or external source data and new seasonal adjustment factors. However, in line with the revision policy, data for Quarter 4 (Oct to Dec) 2022 VAT has not been incorporated. These data will be included in the September 2023 Quarterly National Accounts.

Table 4 shows the revisions to quarter-on-quarter growth for the components of GDP.

Table 4: Revisions to quarter-on-quarter growth for components of GDP  
Quarter 1 (Jan to Mar) 2023

	<b>Percentage points</b>
	<b>Q1 2023</b>
<b>Average GDP in chained volume measures</b>	0.0
<b>Output</b>	
<b>Production</b>	0.0
<b>Construction</b>	-0.3
<b>Services</b>	0.0
<b>Expenditure</b>	
<b>Households</b>	0.0
<b>Non-profit institutions serving households</b>	-1.5
<b>General government</b>	0.7
<b>Gross fixed capital formation</b>	1.1
<b>Total exports</b>	1.2
<b>Total imports</b>	3.4
<b>Average GDP in current prices</b>	0.2
<b>Income</b>	
<b>Compensation of employees</b>	0.8
<b>Gross operating surplus of corporations</b>	-5.7
<b>Other income</b>	1.0
<b>Taxes on products and production less subsidies</b>	7.8

Source: GDP quarterly national accounts from the Office for National Statistics

#### Notes

1. Q1 refers to Quarter 1 (Jan to Mar) Q2 refers to Quarter 2 (Apr to June) Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Revisions are between the GDP first quarterly estimate published 12 May 2023 and quarterly national accounts published 30 June 2023.

## 7 . Quarterly sector accounts

## Household saving ratio

The household saving ratio is 8.7% in the latest quarter down from 9.3% in Quarter 4 (Oct to Dec) 2022. This downwards movement was driven by a rise in taxes on income of £5.4 billion with increased Pay As You Earn (PAYE) and self-assessment taxes paid. There was also a rise in final consumption expenditure of £5.2 billion driven by increases in housing and energy spending partially offset by decreases in spending on air transport and vehicle fuel. These downward contributions were partially offset by a rise in compensation of employees of £4.7 billion itself driven by a rise in wages and salaries, led by increased private sector average earnings.

## Real households' disposable income (seasonally adjusted)

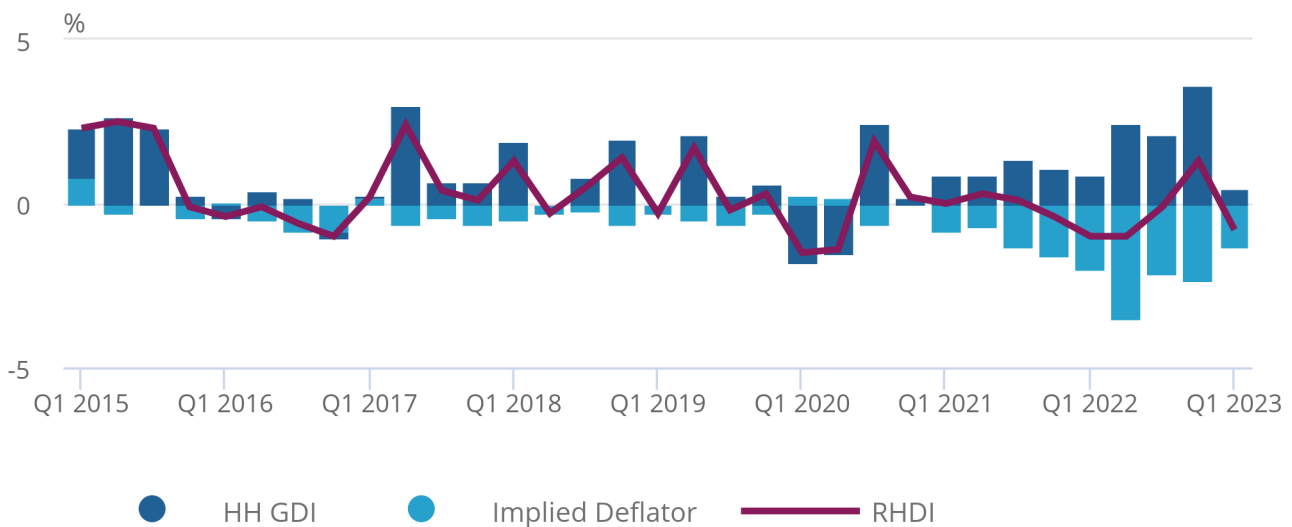
Real households' disposable income (RHDI) fell by 0.8% following positive growth of 1.3% in Quarter 4 (Oct to Dec) 2022. Within RHDI, nominal gross disposable income saw growth at 0.5% driven by increased income as described in the section on the household saving ratio. This was offset by growth in the implied deflator of 1.3% as households experienced price increases in several spending categories, including electricity, gas, and food. The increase was moderated by price falls in transport spending, particularly, air transport and motor fuels and lubricants.

**Figure 10: Real households' disposable income fell by 0.8% in Quarter 1 (Jan to Mar) 2023, from growth of 1.3% in the previous quarter**

Real household disposable income, seasonally adjusted, Quarter 1 (Jan to Mar) 2015 to Quarter 1 2023

Figure 10: Real households' disposable income fell by 0.8% in Quarter 1 (Jan to Mar) 2023, from growth of 1.3% in the previous quarter

Real household disposable income, seasonally adjusted, Quarter 1 (Jan to Mar) 2015 to Quarter 1 2023



Source: Quarterly sector accounts from the Office for National Statistics

## Non-financial account net lending and borrowing (seasonally adjusted)

The UK's borrowing position with the rest of the world as a percentage of gross domestic product (GDP) increased to 1.8% in Quarter 1 2023 compared with 0.6% of GDP in Quarter 4 2022.

Financial corporations decreased their net lending position to 0.3% of GDP, from 3.7% of GDP in Quarter 4 2022. This was driven by a fall in net property income of £14.3 billion, driven by a decrease in net interest and increase in dividends paid. Net interest for financial corporations is the lowest on record, with interest paid out outstripping interest received, particularly for deposit taking corporations and insurance and pension providers.

Non-financial corporations increased their net lending to 5.0% of GDP in Quarter 1 2023, from 2.6% of GDP in Quarter 4 2022. Within non-financial corporations, private non-financial corporations' (PNFCs) saw a rise of £6.1 billion in their gross operating surplus, with subsidies received as part of the Energy Price Guarantee Scheme contributing to this strength.

Households increased their net lending position to 2.2% of GDP in Quarter 1 2023 compared with 2.1% of GDP in Quarter 4 2022. This was driven by the £4.7 billion rise in compensation of employees, discussed in the section on the households saving ratio, and a rise in net capital transfers of £3.4 billion. This was offset by a rise in taxes on income of £5.4 billion with increased PAYE and self-assessment, together with a rise in final consumption expenditure of £5.2 billion driven by increases in housing and energy spending partially offset by decreases in spending on air transport and vehicle fuels.

General government increased net borrowing to 7.6% of GDP in Quarter 1 2023 from 7.0% of GDP in Quarter 4 2022, driven by a £8.1 billion rise in subsidies paid out mostly to support businesses and households as part of the Energy Bill Relief Scheme and Energy Price Guarantee. There was also a fall in net capital transfers of £8.3 billion.



## Financial account net lending and borrowing (not seasonally adjusted)

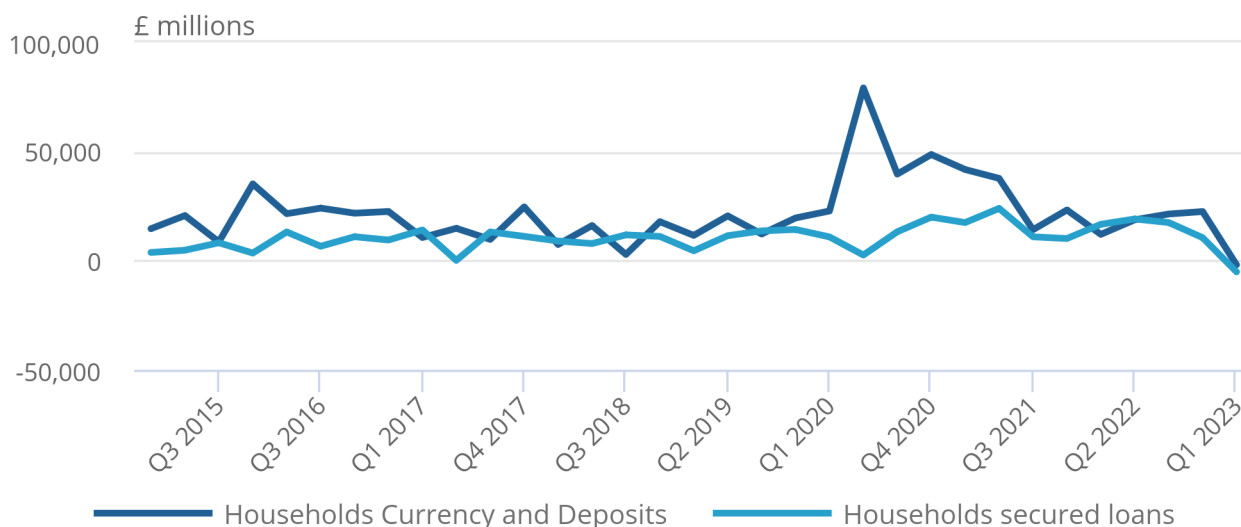
Households saw a decrease in their net lending to £18.4 billion in Quarter 1 2023 following a net lending position of £27.4 billion in Quarter 4 2022. Within their financial account, households saw negative total currency and deposits transactions for the first time since records began in 1987. Households are making record withdrawals from interest-bearing sight deposits held with UK banks and building societies, instead moving their money to higher interest, time deposit accounts, such as with National Savings and Investments. Greater withdrawals than deposits on the quarter were offset by record negative net secured lending to households of £5.2 billion, with the amount of new mortgage and re-mortgage borrowing falling; “net” meaning loans advanced to households less repayments.

### Figure 11: Households experienced simultaneous withdrawals from deposit accounts and negative secured loans for the first time ever in Quarter 1 (Jan to Mar) 2023

Households’ currency and deposits and secured loans from the financial account, not seasonally adjusted, Quarter 1 (Jan to Mar) 2015 to Quarter 1 2023

#### Figure 11: Households experienced simultaneous withdrawals from deposit accounts and negative secured loans for the first time ever in Quarter 1 (Jan to Mar) 2023

Households’ currency and deposits and secured loans from the financial account, not seasonally adjusted, Quarter 1 (Jan to Mar) 2015 to Quarter 1 2023



Source: Quarterly sector accounts from the Office for National Statistics

Financial corporations switched to a net borrowing position of £1.5 billion in Quarter 1 2023 from a net lending position of £20.8 billion in Quarter 4 2022. This was driven by a fall in net loans of £72.5 billion and a fall in net equity and investment fund shares of £37.7 billion, offset by a rise in debt securities of £50.9 billion.

Non-financial corporations switched to a net lending position of £18.6 billion in Quarter 1 2023 from a net borrowing position of £9.1 billion in Quarter 4 2022. Within this sector, private non-financial corporations (PNFCs) switched to net lending of £18.4 billion following a net borrowing of £8.7 billion in Quarter 4 2022. This was driven by a fall in long term loans secured by UK residents of £22.8 billion.

General government decreased their net borrowing to £20.2 billion in Quarter 1 2023 from £54.0 billion in Quarter 4 2022. This rise was driven by a rise in net debt securities of £37.5 billion, offset by a fall of £20.2 billion in net other accounts receivable or payable.

## 8 . International comparisons

### Gross domestic product (GDP)

Table 5: Real GDP growth for the G7 economies  
Percentage change, quarter on quarter and annual growth, real gross domestic product (GDP) for 2021 to 2023

Country	Quarter on previous quarter (%)				Quarter on quarter growth (%), Q1 2023 compared to prepandemic 2019 Q4		Annual growth (%)	
	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	2023 Q1	2021	2022
<b>Canada</b>	0.6	0.9	0.6	0.0	0.8	3.7	5.0	3.4
<b>France</b>	-0.1	0.5	0.2	0.0	0.2	1.2	6.4	2.5
<b>Germany</b>	1.0	-0.1	0.5	-0.5	-0.3	-0.5	2.6	1.8
<b>Italy</b>	0.1	1.0	0.4	-0.1	0.6	2.5	7.0	3.7
<b>Japan</b>	-0.7	1.4	-0.4	0.1	0.7	1.6	2.2	1.0
<b>United Kingdom</b>	0.5	0.1	-0.1	0.1	0.1	-0.5	7.6	4.1
<b>United States</b>	-0.4	-0.1	0.8	0.6	0.3	5.4	5.9	2.1

Source: GDP quarterly national accounts from the Office for National Statistics and Organisation for Economic Co-operation and Development

#### Notes

1. Q1 refers to Quarter 1 (Jan to Mar) Q2 refers to Quarter 2 (Apr to June) Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. The Group of Seven (G7) is an intergovernmental organisation, which consists of the United States, UK, France, Germany, Italy, Canada and Japan.
3. Data were accessed and retrieved from the OECD website on 27 June 2023, where revision policies for published estimates can differ between countries.

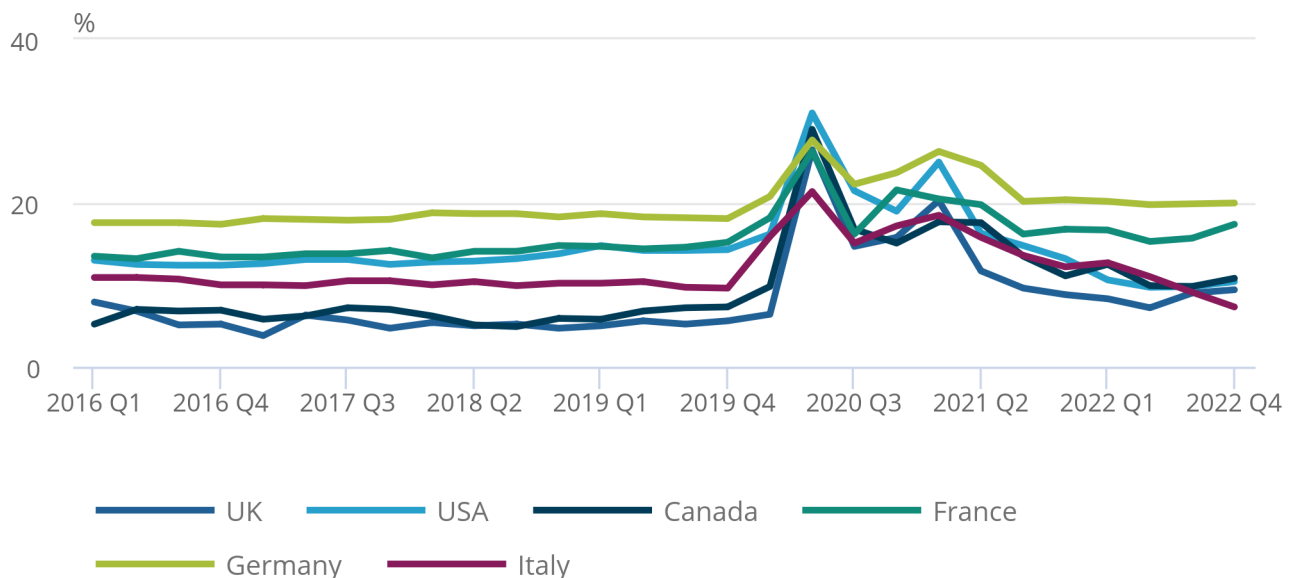
## Quarterly Sector Accounts

**Figure 12: The UK's saving ratio is now more in line with the United States and Canada; Italy is the only G7 country with a lower saving ratio than the UK in the latest quarter**

Comparison of saving ratio with other G7 countries, Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2022

Figure 12: The UK's saving ratio is now more in line with the United States and Canada; Italy is the only G7 country with a lower saving ratio than the UK in the latest quarter

Comparison of saving ratio with other G7 countries, Quarter 1 (Jan to Mar) 2016 to Quarter 4 (Oct to Dec) 2022



**Source: The Organisation for Economic Co-operation and Development (OECD)**

### Notes:

1. The Organisation for Economic Co-operation and Development (OECD) calculates these data in a common currency for international comparability. UK data will therefore not match and will have small differences against Office for National Statistics (ONS) data calculated using British pounds (GBP). Data for Japan are not available.

It is useful to compare the UK's household saving ratio with other economies such as those in the G7 group. Before the coronavirus (COVID-19) pandemic, the UK was like Canada with both having the lowest saving ratio out of the G7, with Germany having the highest. The saving ratio for the UK reacted to the coronavirus pandemic slower than other G7 members, and the UK entered the pandemic with the weakest saving ratio. All members of the G7 saw a peak in their household gross saving ratio in Quarter 2 (Apr to June) 2020 in response to the coronavirus pandemic. The United States had the highest peak at 31.0% and Italy had the lowest peak at 21.3%. Since that peak, all G7 country rates have fallen. The household gross saving ratio increased in Quarter 4 (Oct to Dec) 2022 for all countries except Italy. The UK's saving ratio now appears to be more in line with the USA and Canada, with Italy being the only G7 country with a lower saving ratio than the UK in the latest quarter.

## 9 . GDP quarterly national accounts data

[GDP – data tables](#) Dataset | Released 30 June 2023 Annual and quarterly data for UK gross domestic product (GDP) estimates, in chained volume measures and current market prices.

[GDP in chained volume measures – real-time database \(ABMI\)](#) Dataset | Released 30 June 2023 Quarterly levels for UK gross domestic product (GDP), in chained volume measures at market prices.

[GDP at current prices – real-time database \(YBHA\)](#) Dataset | Released 30 June 2023 Quarterly levels for UK gross domestic product (GDP) at current market prices.

## 10 . Glossary

### Contribution to growth

Contribution to growth indicates how many percentage points a sector or industry is adding or removing from a given growth rate, usually headline gross domestic product (GDP) growth.

### Chained volume measure

Data in chained volume measures (CVM) within this bulletin have had the effect of price changes removed (in other words, the data are deflated), except for income data, which are only available in current prices.

### Gross domestic product (GDP)

A measure of the economic activity produced by a country or region. GDP growth is the main indicator of economic performance. There are three approaches used to measure GDP:

- the output approach
- the expenditure approach
- the income approach

### Index numbers

Data relative to a given base value, which typically refers to a particular year or quarter.

For further definitions, please see our [Glossary of economic terms](#).

## 11 . Measuring the data

## Reaching the GDP balance

The different data content and quality of the three approaches - the output approach, the expenditure approach and the income approach - dictate the approach taken in balancing quarterly data. In the UK, there are more data available on output in the short term than in either of the other two approaches. To obtain the best estimate of gross domestic product (GDP) (the published figure), the estimates from all three approaches are balanced to produce an average, except in the latest two quarters where the output data take the lead because of the larger data content.

Quarterly GDP is a balanced measure of the three approaches, while the GDP monthly estimate focuses on gross value added (GVA) and output as a proxy for GDP. This results in data differences (in both levels and growths terms) between the quarterly publications (average GDP) and the [GDP monthly estimate](#) (output approach to GDP). Quarterly GDP is the lead measure of GDP because of its higher data content and inclusion of variables, which enable the conversion from a GVA concept to a GDP basis.

Information on the methods we use for [Balancing the output, income and expenditure approaches to measuring GDP](#) is available.

Alignment adjustments, found in Table M of our [GDP first quarterly estimate data tables](#), have a target limit of plus or minus £3,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed, as explained in our [Recent challenges of balancing the three approaches of GDP article](#). In our standard practice, we prefer that the alignment adjustment be out of tolerance rather than over-adjust individual GDP components to achieve a balance. This is most likely to occur in the latest quarter where the constraints are larger, where we must align to the output estimate for the change in GDP, and where the data content is at its lowest.

In this quarter, the alignment adjustment, used to align income to average GDP, is larger than normal (Table 3), reflecting the current challenges and uncertainties within the income approaches, in particular on the measurement of the Energy Price Guarantee scheme and the Energy Bill Relief Scheme within the accounts, although the size of this alignment adjustment has halved since the first estimate, reflecting upward revisions across income components. Work will continue with a focus on the income approaches to GDP, and we will continue to review this over the coming months as and when more information becomes available.

To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the components of GDP where data content is particularly weak in a given quarter because of a higher level of forecast content. The balancing adjustments applied in this estimate are shown in Table 6. The resulting series should be considered accordingly.

Table 6: Balancing adjustments applied to the GDP quarterly national accounts dataset  
Quarter 1 (Jan to Mar) 2023

<b>GDP measurement approach and component adjustment applied to</b>		<b>Q1 2023</b>
<b>Expenditure</b>		
<b>Gross fixed capital formation</b>	Current prices	-1000
	Chained volume measure	-1000
<b>Inventories</b>	Current prices	-500
	Chained volume measure	-500

Source: GDP quarterly national accounts from the Office for National Statistics

#### Notes

1. Adjustments are in £ million.
2. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).

## GDP monthly estimate

Although this release focuses on providing the best quarterly estimate of GDP, an indicative monthly path for the updated time series is provided in our [Indicative monthly GDP dataset](#). A full breakdown of the monthly data consistent with this quarterly release will be available in the next monthly GDP release (on 13 July 2023).

## 12 . Strengths and limitations

The UK National Accounts are drawn together using data from many different sources. This ensures that they are comprehensive and provide different perspectives on the economy, for example, sales by retailers and purchases by households. Further information on measuring gross domestic product (GDP) can be found in our [Guide to the UK National Accounts](#), and more quality and methodology information (QMI) is available in our [Gross domestic product \(GDP\) QMI](#).

### Important quality information

There are common pitfalls in interpreting data series, and these include:

- expectations of accuracy and reliability in early estimates are often too high
- revisions are an inevitable consequence of the trade-off between timeliness and accuracy
- early estimates are based on incomplete data

Very few statistical revisions arise as a result of “errors” in the popular sense of the word. All estimates, by definition, are subject to statistical “error”.

Many different approaches can be used to summarise revisions; the "Accuracy and reliability" section in the [Gross domestic product \(GDP\) QMI](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations.

GDP estimates for the income measure 2023 are subject to [more uncertainty than usual](#) in particular on the measurement of the Energy Price Guarantee Scheme and the Energy Bill Relief Scheme within the accounts.

## Business investment user consultation

We are conducting a user consultation of our [Business investment in the UK statistical bulletin](#), to gather feedback. We are eager to learn which components of the bulletin our users find most useful, which data could be useful to our users in the future, and if the current publication meets user needs. As a user of our [GDP UK statistical bulletin](#) and its components, we are keen to know your opinion. Please complete our [Business investment user consultation survey](#).

## 13 . Related links

[GDP first quarterly estimate, UK: January to March 2023](#) Bulletin | Released 12 May 2023 First quarterly estimate of gross domestic product (GDP). Contains current and constant price data on the value of goods and services to indicate the economic performance of the UK.

[Coronavirus and the effects on GDP](#) Article | Released 6 May 2020 How the global coronavirus (COVID-19) pandemic and the wider containment efforts are expected to impact on UK gross domestic product (GDP) as well as some of the challenges that National Statistical Institutes are likely to face.

[Measuring monthly and quarterly gross domestic product in the coronavirus \(COVID-19\) pandemic](#) Article | Released 11 November 2021 How we produce monthly and quarterly estimates of UK gross domestic product and why this affects estimating where the economy is relative to its pre-coronavirus (COVID-19) pandemic level.

[International comparisons of GDP during the coronavirus \(COVID-19\) pandemic](#) Article | Released 1 February 2021 The coronavirus (COVID-19) pandemic has led to record declines in gross domestic product (GDP) in advanced economies in 2020. International comparisons show that the UK has experienced the largest contraction in volume GDP amongst the G7 countries. However, international comparisons have also been complicated by how National Statistical Institutes (NSIs) record non-market output.

[Communicating the UK Economic Cycle](#) Methodology | Released 11 November 2022 Explanation of movement in gross domestic product (GDP) and wider considerations around technical recessions in the UK.

## 14 . Cite this statistical bulletin

Office for National Statistics (ONS), released 30 June 2023, ONS website, statistical bulletin, [GDP quarterly national accounts, UK: January to March 2023](#)



# A1 National accounts aggregates<sup>1,2</sup>

2019 = 100

	Value indices at current prices		Chained volume indices				Implied deflators <sup>3</sup>		
	Gross domestic product at market prices	Gross value added at basic prices	Gross domestic product at market prices	Gross value added at basic prices	Gross national disposable income at market prices	Market sector gross value added	Gross national expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	YBFP	L48H	YBFV	YBGB	CGBV
2020	94.2	95.2	89.0	89.4	87.3	90.3	105.4	105.9	106.4
2021	101.4	101.7	95.7	96.5	96.6	96.4	105.9	106.0	105.4
2022	111.3	111.5	99.7	100.4	99.7	100.4	112.9	111.7	111.0
<b>Seasonally adjusted</b>									
2020 Q4	96.4	96.9	91.1	91.8	89.0	92.7	105.2	105.9	105.6
2021 Q1	96.1	97.0	90.1	90.8	90.7	92.0	106.4	106.7	106.8
Q2	100.5	100.8	96.0	96.8	97.1	96.5	104.3	104.7	104.2
Q3	103.2	103.2	97.7	98.4	98.3	98.0	105.6	105.6	104.8
Q4	105.9	105.7	99.1	99.9	100.5	99.1	107.3	106.8	105.8
2022 Q1	108.3	108.1	99.6	100.4	98.2	100.2	109.7	108.7	107.7
Q2	110.5	110.3	99.7	100.4	100.8	100.6	112.0	110.8	109.8
Q3	112.1	111.7	99.6	100.3	98.9	100.3	114.7	112.5	111.3
Q4	114.3	115.9	99.7	100.5	101.0	100.5	115.6	114.6	115.4
2023 Q1	115.6	119.2	99.9	100.6	100.8	100.8	116.7	115.8	118.5
<b>Percentage change, latest year on previous year</b>									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2020	-5.8	-4.8	-11.0	-10.6	-12.7	-9.7	5.4	5.9	6.4
2021	7.6	6.8	7.6	7.9	10.7	6.8	0.5	-	-1.0
2022	9.7	9.7	4.1	4.1	3.2	4.2	6.6	5.4	5.4
<b>Percentage change, latest quarter on previous quarter</b>									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2020 Q4	1.0	0.3	1.2	1.4	-0.4	0.9	-0.2	-0.2	-1.1
2021 Q1	-0.3	0.1	-1.1	-1.0	1.9	-0.8	1.1	0.7	1.1
Q2	4.5	3.9	6.5	6.6	7.1	4.9	-2.0	-1.9	-2.5
Q3	2.7	2.3	1.7	1.7	1.2	1.5	1.3	0.9	0.6
Q4	2.7	2.4	1.5	1.5	2.2	1.1	1.6	1.1	0.9
2022 Q1	2.3	2.3	0.5	0.5	-2.3	1.2	2.2	1.8	1.8
Q2	2.0	2.0	0.1	-	2.7	0.4	2.1	1.9	2.0
Q3	1.4	1.3	-0.1	-0.1	-1.9	-0.3	2.3	1.5	1.4
Q4	2.0	3.8	0.1	0.2	2.1	0.1	0.8	1.9	3.6
2023 Q1	1.2	2.9	0.1	0.1	-0.2	0.4	1.0	1.0	2.7
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2020 Q4	-4.9	-4.6	-9.2	-8.6	-11.6	-8.2	4.3	4.7	4.4
2021 Q1	-3.9	-3.5	-7.7	-7.4	-6.2	-6.9	4.4	4.1	4.2
Q2	18.2	16.4	24.4	24.9	30.9	24.1	-5.4	-5.0	-6.8
Q3	8.1	6.7	8.5	8.8	10.0	6.7	0.2	-0.4	-1.9
Q4	9.8	9.0	8.9	8.9	12.9	6.9	2.0	0.9	0.1
2022 Q1	12.7	11.4	10.6	10.6	8.3	9.0	3.1	1.9	0.8
Q2	10.0	9.4	3.8	3.8	3.8	4.3	7.4	5.9	5.4
Q3	8.6	8.3	2.0	1.9	0.6	2.4	8.5	6.5	6.2
Q4	7.9	9.7	0.6	0.5	0.5	1.4	7.7	7.3	9.1
2023 Q1	6.7	10.3	0.2	0.2	2.7	0.7	6.4	6.5	10.1

1 Estimates cannot be regarded as accurate to the last digit shown.

2 The growth rates are calculated from the £m series and due to the rounded nature of the index series the growth rates cannot be replicated.

3 Based on the sum of expenditure components of GDP at current prices and in chained volume terms.

# A2 National accounts aggregates<sup>1</sup>

£ million

	Current prices					Chained Volume Measures (Reference year 2019)			
	Gross national income at market prices	Net income from abroad <sup>2</sup>	Gross domestic product at market prices	less Basic price adjustment <sup>3</sup>	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment <sup>3</sup>	Gross value added at basic prices	Gross value added excluding oil & gas <sup>4</sup>
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
2020	2 062 202	-47 386	2 109 594	206 019	1 903 575	1 991 439	202 705	1 788 734	1 771 171
2021	2 282 111	11 865	2 270 246	236 575	2 033 671	2 142 738	212 770	1 929 968	1 915 083
2022	2 505 567	14 329	2 491 238	260 971	2 230 267	2 230 625	222 157	2 008 468	1 993 316
<b>Seasonally adjusted</b>									
2020 Q4	526 934	-12 732	539 666	54 995	484 671	509 621	50 803	458 818	454 545
2021 Q1	537 029	-878	537 907	52 802	485 105	504 255	50 196	454 059	450 063
Q2	563 814	1 566	562 248	58 107	504 141	537 175	53 276	483 899	480 839
Q3	579 686	2 330	577 356	61 418	515 938	546 487	54 222	492 265	488 268
Q4	601 582	8 847	592 735	64 248	528 487	554 821	55 076	499 745	495 913
2022 Q1	598 886	-7 381	606 267	65 681	540 586	557 524	55 411	502 113	498 201
Q2	627 271	9 061	618 210	66 873	551 337	557 810	55 657	502 153	498 352
Q3	630 040	2 895	627 145	68 508	558 637	557 286	55 563	501 723	497 983
Q4	649 370	9 754	639 616	59 909	579 707	558 005	55 526	502 479	498 780
2023 Q1	653 676	6 566	647 110	50 880	596 230	558 812	55 674	503 138	499 670
<b>Percentage change, latest year on previous year</b>									
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8
2020	-7.8		-5.8		-4.8	-11.0		-10.6	-10.6
2021	10.7		7.6		6.8	7.6		7.9	8.1
2022	9.8		9.7		9.7	4.1		4.1	4.1
<b>Percentage change, latest quarter on previous quarter</b>									
	KH75		IHYN		KGL8	IHYQ		KGM9	
2020 Q4	0.2		1.0		0.3	1.2		1.4	1.4
2021 Q1	1.9		-0.3		0.1	-1.1		-1.0	-1.0
Q2	5.0		4.5		3.9	6.5		6.6	6.8
Q3	2.8		2.7		2.3	1.7		1.7	1.5
Q4	3.8		2.7		2.4	1.5		1.5	1.6
2022 Q1	-0.4		2.3		2.3	0.5		0.5	0.5
Q2	4.7		2.0		2.0	0.1		-	-
Q3	0.4		1.4		1.3	-0.1		-0.1	-0.1
Q4	3.1		2.0		3.8	0.1		0.2	0.2
2023 Q1	0.7		1.2		2.9	0.1		0.1	0.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9
2020 Q4	-6.9		-4.9		-4.6	-9.2		-8.6	-8.7
2021 Q1	-2.5		-3.9		-3.5	-7.7		-7.4	-7.4
Q2	22.9		18.2		16.4	24.4		24.9	25.6
Q3	10.2		8.1		6.7	8.5		8.8	9.0
Q4	14.2		9.8		9.0	8.9		8.9	9.1
2022 Q1	11.5		12.7		11.4	10.6		10.6	10.7
Q2	11.3		10.0		9.4	3.8		3.8	3.6
Q3	8.7		8.6		8.3	2.0		1.9	2.0
Q4	7.9		7.9		9.7	0.6		0.5	0.6
2023 Q1	9.1		6.7		10.3	0.2		0.2	0.3

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

2 Includes employment, entrepreneurial and property income.

3 Taxes on products less subsidies.

4 Calculated by using gross value added at basic prices minus extraction of crude petroleum and natural gas.

# B1 Gross value added at chained volume measures basic prices, by category of output<sup>1,2</sup>

2019 = 100

	Production						Service industries						Gross value added <sup>4</sup>	Gross value added excluding oil & gas
	Agri-culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu-facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constru-ction	Distri-bution, hotels & restaura-nts	Transport storage and commu-nications	Business services and finance	Govern-ment and other services	Total		
<b>2019 Weights<sup>3</sup></b>	7	11	97	15	12	135	62	134	103	338	220	796	1000	991
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2020	96.5	96.8	100.1	109.1	104.8	101.3	86.5	76.7	87.5	96.8	80.2	87.6	89.4	89.4
2021	102.1	85.5	109.8	114.6	112.9	108.6	97.8	83.4	94.0	101.5	88.4	93.7	96.5	96.6
2022	105.7	87.2	105.7	110.5	115.2	105.6	104.0	87.8	103.3	104.5	94.9	98.9	100.4	100.6
<b>Seasonally adjusted</b>														
2020 Q4	96.4	94.6	110.3	111.7	108.5	109.0	94.5	76.0	89.8	97.7	81.6	88.6	91.8	91.7
2021 Q1	98.5	90.0	109.5	117.5	111.4	109.0	95.5	70.1	89.7	99.7	77.1	87.1	90.8	90.8
Q2	100.7	73.1	111.0	122.7	112.0	109.3	99.2	85.5	93.0	100.9	88.5	93.8	96.8	97.0
Q3	104.4	90.9	110.0	111.1	113.0	108.8	97.6	89.7	94.9	101.8	92.0	96.0	98.4	98.5
Q4	104.7	87.8	108.6	107.2	115.2	107.4	99.0	88.0	98.3	103.5	96.0	98.0	99.9	100.1
2022 Q1	105.3	90.3	107.4	111.6	116.0	107.3	101.9	87.8	102.4	103.8	95.1	98.5	100.4	100.5
Q2	106.0	87.5	106.3	112.0	116.3	106.3	103.8	88.2	103.0	104.7	94.6	98.9	100.4	100.6
Q3	105.9	86.6	104.3	110.4	113.8	104.4	104.4	87.5	104.1	104.7	95.1	99.1	100.3	100.5
Q4	105.4	84.5	104.8	108.0	114.6	104.5	105.7	87.7	103.9	105.0	94.8	99.1	100.5	100.7
2023 Q1	105.4	79.9	105.5	108.1	115.0	104.6	106.1	87.9	104.3	105.5	94.3	99.3	100.6	100.8
<b>Percentage change, latest year on previous year</b>														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2020	-3.5	-3.2	0.1	9.1	4.8	1.2	-13.5	-23.3	-12.5	-3.2	-19.8	-12.4	-10.6	-10.6
2021	5.8	-11.7	9.7	5.1	7.8	7.3	13.1	8.7	7.4	4.8	10.3	7.0	7.9	8.1
2022	3.5	2.1	-3.7	-3.6	2.0	-2.8	6.2	5.3	10.0	3.0	7.4	5.5	4.1	4.1
<b>Percentage change, latest quarter on previous quarter</b>														
													KGM9	
2020 Q4	0.5	-1.8	5.9	-1.8	2.3	4.1	5.1	-9.2	2.3	2.0	3.2	0.6	1.4	1.4
2021 Q1	2.1	-4.9	-0.7	5.2	2.7	-	1.1	-7.8	-0.1	2.1	-5.5	-1.7	-1.0	-1.0
Q2	2.3	-18.8	1.3	4.4	0.5	0.3	3.8	22.0	3.7	1.2	14.8	7.7	6.6	6.8
Q3	3.7	24.4	-0.9	-9.5	0.9	-0.4	-1.6	4.9	2.0	0.9	3.9	2.4	1.7	1.5
Q4	0.2	-3.4	-1.3	-3.5	2.0	-1.4	1.4	-1.8	3.6	1.7	4.4	2.1	1.5	1.6
2022 Q1	0.6	2.8	-1.1	4.1	0.7	-0.1	2.9	-0.3	4.1	0.3	-0.9	0.5	0.5	0.5
Q2	0.6	-3.0	-1.0	0.3	0.2	-0.9	1.9	0.5	0.6	0.9	-0.6	0.4	-	-
Q3	-0.1	-1.1	-1.9	-1.5	-2.1	-1.8	0.6	-0.9	1.1	-	0.6	0.2	-0.1	-0.1
Q4	-0.5	-2.4	0.5	-2.1	0.7	-	1.3	0.3	-0.2	0.3	-0.4	0.1	0.2	0.2
2023 Q1	-	-5.4	0.6	-	0.3	0.1	0.4	0.1	0.4	0.5	-0.5	0.1	0.1	0.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KI12	KI19	KI18	L44Q	KGN3	KLH9
2020 Q4	-6.8	0.4	9.0	1.0	8.3	7.3	-5.2	-22.4	-9.4	-3.2	-19.3	-11.7	-8.6	-8.7
2021 Q1	-4.1	-7.0	7.1	9.4	6.9	6.3	-2.6	-22.1	-6.1	-1.4	-20.0	-10.4	-7.4	-7.4
Q2	10.5	-26.4	32.4	18.5	11.9	23.3	56.5	50.5	21.1	8.9	39.4	22.5	24.9	25.6
Q3	8.9	-5.7	5.6	-2.3	6.4	3.9	8.5	7.1	8.1	6.3	16.3	9.1	8.8	9.0
Q4	8.6	-7.2	-1.5	-4.1	6.2	-1.5	4.7	15.8	9.5	6.0	17.7	10.7	8.9	9.1
2022 Q1	7.0	0.3	-2.0	-5.0	4.1	-1.6	6.6	25.2	14.1	4.1	23.3	13.1	10.6	10.7
Q2	5.2	19.8	-4.2	-8.7	3.8	-2.7	4.6	3.2	10.7	3.8	6.8	5.5	3.8	3.6
Q3	1.4	-4.8	-5.2	-0.7	0.7	-4.1	6.9	-2.5	9.7	2.9	3.5	3.2	1.9	2.0
Q4	0.6	-3.8	-3.5	0.8	-0.5	-2.7	6.8	-0.4	5.7	1.5	-1.2	1.1	0.5	0.6
2023 Q1	0.1	-11.5	-1.8	-3.2	-0.9	-2.5	4.2	0.1	1.9	1.6	-0.9	0.7	0.2	0.3

1 Estimates cannot be regarded as accurate to the last digit shown.

2 Components of output are valued at basic prices, which excludes taxes and includes subsidies on products.

3 Weights may not sum to the total due to rounding.

4 This is a balanced index of UK GVA taking into account data from the Income and Expenditure approaches. Thus it will not necessarily be the weighted sum of the industrial indices.

# B2 Gross value added at chained volume measures basic prices, by category of output<sup>1,2</sup>

2019 = 100

	Service industries										
	Wholesale and retail trade	Transport storage and communications	Accommodation & food services	Financial and insurance activities	Real estate	Professional scientific admin & support	Public admin, defence, social security	Education	Health and social work	Other services <sup>4</sup>	Total services
<b>2019 Weights<sup>3</sup></b>	104	103	30	82	132	124	49	60	77	34	796
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2020	81.6	87.5	59.9	100.3	100.0	91.1	95.2	82.5	69.1	79.5	87.6
2021	84.6	94.0	78.4	105.5	99.9	100.6	97.4	92.3	82.2	80.8	93.7
2022	82.4	103.3	106.2	105.1	99.6	109.8	101.2	98.6	89.7	90.4	98.9
<b>Seasonally adjusted</b>											
2020 Q4	82.2	89.8	54.8	101.5	100.0	92.8	93.2	95.7	63.4	81.0	88.6
2021 Q1	78.7	89.7	40.3	105.1	100.6	95.3	94.2	77.2	67.0	73.3	87.1
Q2	87.9	93.0	77.0	105.4	100.1	99.0	97.4	96.9	79.2	80.0	93.8
Q3	86.5	94.9	99.9	104.8	99.5	102.2	98.7	97.7	86.8	81.9	96.0
Q4	85.4	98.3	96.5	106.5	99.5	105.9	99.4	97.2	95.6	88.0	98.0
2022 Q1	83.3	102.4	102.7	105.1	99.4	108.0	100.4	97.4	91.9	90.4	98.5
Q2	82.4	103.0	108.4	105.4	99.7	109.8	100.6	98.4	88.6	91.4	98.9
Q3	81.7	104.1	106.8	105.3	99.7	109.9	101.7	100.0	89.0	90.2	99.1
Q4	82.1	103.9	106.7	104.4	99.6	111.4	102.0	98.4	89.4	89.7	99.1
2023 Q1	82.0	104.3	106.6	105.0	99.5	112.0	101.3	97.8	88.7	91.1	99.3
<b>Percentage change, latest year on previous year</b>											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2020	-18.4	-12.5	-40.1	0.3	-	-8.9	-4.9	-17.5	-30.9	-20.5	-12.4
2021	3.7	7.4	30.9	5.2	-0.1	10.5	2.4	11.9	19.0	1.6	7.0
2022	-2.6	10.0	35.3	-0.4	-0.4	9.1	3.8	6.8	9.2	11.9	5.5
<b>Percentage change, latest quarter on previous quarter</b>											
2020 Q4	-3.5	2.3	-30.3	1.6	0.3	4.5	-0.7	7.0	4.8	-0.3	0.6
2021 Q1	-4.3	-0.1	-26.3	3.6	0.7	2.7	1.1	-19.4	5.8	-9.5	-1.7
Q2	11.8	3.7	90.9	0.2	-0.5	3.8	3.4	25.5	18.3	9.1	7.7
Q3	-1.6	2.0	29.8	-0.6	-0.5	3.3	1.4	0.8	9.5	2.4	2.4
Q4	-1.3	3.6	-3.5	1.6	-0.1	3.6	0.7	-0.5	10.2	7.4	2.1
2022 Q1	-2.4	4.1	6.5	-1.3	-0.1	1.9	0.9	0.2	-3.9	2.7	0.5
Q2	-1.1	0.6	5.5	0.3	0.3	1.7	0.2	1.0	-3.6	1.1	0.4
Q3	-0.9	1.1	-1.4	-0.1	-	0.1	1.1	1.6	0.5	-1.3	0.2
Q4	0.5	-0.2	-0.1	-0.8	-0.1	1.3	0.3	-1.5	0.4	-0.6	0.1
2023 Q1	-0.1	0.4	-0.1	0.5	-0.1	0.6	-0.7	-0.6	-0.8	1.6	0.1
<b>Percentage change, latest quarter on corresponding quarter of the previous year</b>											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2020 Q4	-15.9	-9.4	-44.4	0.2	0.4	-9.1	-6.5	-5.0	-37.6	-21.3	-11.7
2021 Q1	-12.4	-6.1	-55.7	4.2	-	-6.1	-3.1	-13.6	-34.0	-23.9	-10.4
Q2	27.4	21.1	402.6	6.7	0.2	22.1	1.0	75.2	55.7	34.2	22.5
Q3	1.5	8.1	27.1	4.9	-0.1	15.1	5.3	9.2	43.5	0.9	9.1
Q4	3.8	9.5	76.1	4.9	-0.5	14.1	6.7	1.5	50.9	8.6	10.7
2022 Q1	5.9	14.1	154.6	-0.1	-1.2	13.2	6.6	26.2	37.1	23.3	13.1
Q2	-6.3	10.7	40.7	-0.1	-0.4	10.9	3.3	1.6	11.7	14.3	5.5
Q3	-5.6	9.7	6.9	0.5	0.1	7.5	3.0	2.3	2.6	10.1	3.2
Q4	-3.8	5.7	10.6	-1.9	0.1	5.1	2.6	1.2	-6.5	1.9	1.1
2023 Q1	-1.6	1.9	3.7	-0.1	0.2	3.8	0.9	0.4	-3.5	0.8	0.7

1 Estimates cannot be regarded as accurate to the last digit shown.

2 Components of output are valued at basic prices, which excludes taxes and includes subsidies on products.

3 Weights may not sum to the total due to rounding.

4 Comprising sections R, S and T of SIC(2007).

# C1 Gross domestic product: expenditure at current market prices<sup>1</sup>

£ million

National expenditure on goods and services at market prices															
Final consumption expenditure							Gross capital formation							Statistical discrepancy (expenditure)	Gross domestic product at market prices
Households	Non-profit institutions <sup>2,7</sup>	General government	Gross fixed capital formation	Of which business investment <sup>3</sup>	Of which changes in inventories <sup>4</sup>	Of which alignment adjustment	Acquisitions less disposals of valuables <sup>5</sup>	Total	Total exports	Gross final expenditure	less imports	Total	Trade balance <sup>6</sup>		
ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2020	1 214 474	48 409	475 114	365 882	201 125	-2 851	-	1 006 2 102	037 616	786 2 718	823 609	229 7 557	-	2 109 594	
2021	1 326 320	49 242	508 194	393 491	204 516	13 470	-	8 220 2 298	937 654	284 2 953	221 682	323 -28 039	-652	2 270 246	
2022	1 514 515	52 329	524 490	452 040	236 548	35 425	-	-19 893 2 558	906 815	199 3 374	105 901	838 -86 639	18 971	2 491 238	
<b>Seasonally adjusted</b>															
2020 Q4	306 634	11 942	123 700	95 192	50 525	9 625	3 170	7 618	554 711	156 266	710 977	171 311	-15 045	-	539 666
2021 Q1	298 621	11 664	128 685	93 412	47 968	3 910	1 299	8 496	544 788	150 916	695 704	156 818	-5 902	-979	537 907
Q2	331 204	12 196	125 857	97 704	50 742	-2 546	-2 878	-712	563 703	162 117	725 820	162 396	-279	-1 176	562 248
Q3	345 178	12 585	126 085	101 130	53 785	5 220	1 475	3 498	593 696	157 467	751 163	173 659	-16 192	-148	577 356
Q4	351 317	12 797	127 567	101 245	52 021	6 886	104	-3 062	596 750	183 784	780 534	189 450	-5 666	1 651	592 735
2022 Q1	362 605	12 864	133 089	111 254	56 907	12 314	-2 806	8 009	640 135	176 445	816 580	213 975	-37 530	3 662	606 267
Q2	376 217	12 993	127 736	111 575	59 303	14 229	2 106	2 155	644 905	194 873	839 778	226 587	-31 714	5 019	618 210
Q3	383 081	13 176	131 531	114 078	60 013	3 105	-3 002	-12 320	632 650	222 150	854 800	232 748	-10 598	5 093	627 145
Q4	392 612	13 296	132 134	115 133	60 325	5 777	3 702	-17 737	641 216	221 731	862 947	228 528	-6 797	5 197	639 616
2023 Q1	397 856	13 384	131 320	118 751	63 224	-364	-2 940	-5 871	655 076	206 662	861 738	219 887	-13 225	5 259	647 110
<b>Percentage change, latest year on previous year</b>															
	KG7	KGZ8	KH2C	KG6O	KG6N			KGX3	KH2O	KG7	KH3H				IHYM
2020	-12.5	-7.6	11.6	-9.3	-10.4			-7.6	-11.8	-8.6	-17.2				-5.8
2021	9.2	1.7	7.0	7.5	1.7			9.4	6.1	8.6	12.0				7.6
2022	14.2	6.3	3.2	14.9	15.7			11.3	24.6	14.3	32.2				9.7
<b>Percentage change, latest quarter on previous quarter</b>															
	KG8	KGZ9	KH2D	KG6W	KG6V			KGX4	KH2P	KG8	KH3I				IHYN
2020 Q4	-1.4	1.3	2.0	3.2	2.0			3.7	6.8	4.4	16.4				1.0
2021 Q1	-2.6	-2.3	4.0	-1.9	-5.1			-1.8	-3.4	-2.1	-8.5				-0.3
Q2	10.9	4.6	-2.2	4.6	5.8			3.5	7.4	4.3	3.6				4.5
Q3	4.2	3.2	0.2	3.5	6.0			5.3	-2.9	3.5	6.9				2.7
Q4	1.8	1.7	1.2	0.1	-3.3			0.5	16.7	3.9	9.1				2.7
2022 Q1	3.2	0.5	4.3	9.9	9.4			7.3	-4.0	4.6	12.9				2.3
Q2	3.8	1.0	-4.0	0.3	4.2			0.7	10.4	2.8	5.9				2.0
Q3	1.8	1.4	3.0	2.2	1.2			-1.9	14.0	1.8	2.7				1.4
Q4	2.5	0.9	0.5	0.9	0.5			1.4	-0.2	1.0	-1.8				2.0
2023 Q1	1.3	0.7	-0.6	3.1	4.8			2.2	-6.8	-0.1	-3.8				1.2
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>															
	KG9	KH22	KH2E	KG76	KG75			KGX5	KH2Q	KG9	KH3J				IHYO
2020 Q4	-12.0	-7.1	13.1	-6.3	-11.7			-0.7	-15.3	-4.3	-2.3				-4.9
2021 Q1	-11.4	-11.3	18.2	-4.8	-14.8			-2.2	-10.6	-4.1	-5.4				-3.9
Q2	27.6	5.8	3.8	21.7	13.4			23.8	11.6	20.8	30.0				18.2
Q3	10.9	6.8	4.0	9.6	8.6			11.0	7.6	10.3	18.0				8.1
Q4	14.6	7.2	3.1	6.4	3.0			7.6	17.6	9.8	10.6				9.8
2022 Q1	21.4	10.3	3.4	19.1	18.6			17.5	16.9	17.4	36.4				12.7
Q2	13.6	6.5	1.5	14.2	16.9			14.4	20.2	15.7	39.5				10.0
Q3	11.0	4.7	4.3	12.8	11.6			6.6	41.1	13.8	34.0				8.6
Q4	11.8	3.9	3.6	13.7	16.0			7.5	20.6	10.6	20.6				7.9
2023 Q1	9.7	4.0	-1.3	6.7	11.1			2.3	17.1	5.5	2.8				6.7

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

2 Non-profit institutions serving households.

3 A further breakdown of business investment can be found in the 'Business investment in the UK' bulletin.

4 Quarterly alignment adjustment included in this series.

5 Acquisitions less disposals of valuables can be a volatile series due to the inclusion of non-monetary gold, but any volatility is likely to be GDP neutral as this is offset in UK trade figures.

6 Trade balance is calculated by using exports of goods and services minus imports of goods and services.

7 There is a small difference between the gross operating surplus of the Non-profit Institutions Serving households (NPISH) sector in the Table 6.3.3 of the UK Economic Accounts dataset, compared with the consumption of fixed capital for the NPISH sector published in the GDP release. This difference has been addressed from 2021 Q1. Remaining differences will be corrected when revisions policy allows. The latest figures can be found in the UK Economic Accounts dataset.

# C2 Gross domestic product by category of expenditure: chained volume measures<sup>1</sup>

Reference year 2019, £ million

National expenditure on goods and services at market prices																
Final consumption expenditure										Gross capital formation						
	Non-profit institutions <sup>2,7</sup>			General government formation	Gross fixed capital investment <sup>3</sup>	Of which business investment <sup>3</sup>	Of which changes in inventories <sup>4</sup>	Of which alignment adjustments <sup>4</sup>	Acquisitions less disposals of valuables <sup>5</sup>	Total	Total exports	Gross final expenditure	less imports	Trade balance <sup>6</sup>	Statistical discrepancy (expenditure)	Gross domestic product at market prices
	Households	ABJR	HAYO													
2020	1 208 053	42 310	394 460	361 002	198 413	-11 385	-	-398 1	994 042	615 109 2	609 151 617	712 712	-2 603	-	1 991 439	
2021	1 283 950	44 531	443 907	382 995	200 237	8 948	-	6 092 2	1 704 23	628 918 2	799 341 655	966 966	-27 048	-637	2 142 738	
2022	1 351 727	50 800	452 006	415 842	221 935	14 416	-	-19 094 2	2 265 697	691 127 2	956 824 743	156 156	-52 029	16 957	2 230 625	
<b>Seasonally adjusted</b>																
2020 Q4	304 080	10 776	104 530	94 156	50 167	7 290	2 970	6 312	527 144	154 879	682 023	172 402	-17 523	-	509 621	
2021 Q1	293 745	9 805	104 377	92 604	47 578	4 634	1 217	6 854	512 019	148 365	660 384	155 211	-6 846	-918	504 255	
Q2	323 597	11 374	112 392	96 351	50 602	-2 522	-2 739	-777	540 415	157 840	698 255	159 956	-2 116	-1 124	537 175	
Q3	332 958	11 639	112 854	97 221	51 731	4 438	1 411	2 862	561 972	151 638	713 610	166 983	-15 345	-140	546 487	
Q4	333 650	11 713	114 284	96 819	50 326	2 398	111	-2 847	556 017	171 075	727 092	173 816	-2 741	1 545	554 821	
2022 Q1	337 725	12 381	113 882	105 123	54 461	8 822	-2 554	5 704	583 637	158 596	742 233	188 077	-29 481	3 368	557 524	
Q2	338 452	12 685	111 950	102 732	55 833	7 979	1 932	1 831	575 629	166 709	742 338	189 057	-22 348	4 529	557 810	
Q3	337 395	12 831	112 791	103 858	55 869	-3 923	-2 635	-11 177	551 775	184 178	735 953	183 193	985	4 526	557 286	
Q4	338 155	12 903	113 383	104 129	55 772	1 538	3 257	-15 452	554 656	181 644	736 300	182 829	-1 185	4 534	558 005	
2023 Q1	338 285	12 724	111 320	106 661	57 605	-2 532	-2 539	-5 311	561 147	169 049	730 196	175 925	-6 876	4 541	558 812	
<b>Percentage change, latest year on previous year</b>																
	KGZ5	KH26	KH2I	KG7N	KG7M				KGX9	KH2U	KGW5	KH3N			IHYP	
2020	-12.9	-19.2	-7.3	-10.5	-11.9				-12.3	-12.1	-12.3	-16.0			-11.0	
2021	6.3	5.2	12.5	6.1	0.9				8.8	2.2	7.3	6.2			7.6	
2022	5.3	14.1	1.8	8.6	10.8				4.4	9.9	5.6	13.3			4.1	
<b>Percentage change, latest quarter on previous quarter</b>																
	KGZ6	KH27	KH2J	KG7Q	KG7P				KGY2	KH2V	KGW6	KH3O			IHYQ	
2020 Q4	-1.5	2.9	3.8	3.2	2.8				3.9	6.0	4.4	15.0			1.2	
2021 Q1	-3.4	-9.0	-0.1	-1.6	-5.2				-2.9	-4.2	-3.2	-10.0			-1.1	
Q2	10.2	16.0	7.7	4.0	6.4				5.5	6.4	5.7	3.1			6.5	
Q3	2.9	2.3	0.4	0.9	2.2				4.0	-3.9	2.2	4.4			1.7	
Q4	0.2	0.6	1.3	-0.4	-2.7				-1.1	12.8	1.9	4.1			1.5	
2022 Q1	1.2	5.7	-0.4	8.6	8.2				5.0	-7.3	2.1	8.2			0.5	
Q2	0.2	2.5	-1.7	-2.3	2.5				-1.4	5.1	-	0.5			0.1	
Q3	-0.3	1.2	0.8	1.1	0.1				-4.1	10.5	-0.9	-3.1			-0.1	
Q4	0.2	0.6	0.5	0.3	-0.2				0.5	-1.4	-	-0.2			0.1	
2023 Q1	-	-1.4	-1.8	2.4	3.3				1.2	-6.9	-0.8	-3.8			0.1	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>																
	KGZ7	KH28	KH2K	KG7T	KG7S				KGY3	KH2W	KGW7	KH3P			IHYR	
2020 Q4	-12.2	-14.5	-3.0	-6.5	-12.0				-4.8	-16.0	-7.6	-2.5			-9.2	
2021 Q1	-12.6	-19.6	0.3	-4.4	-14.2				-6.3	-11.5	-7.5	-7.4			-7.7	
Q2	24.9	28.4	31.9	22.3	15.1				30.9	7.7	24.8	25.3			24.4	
Q3	7.9	11.1	12.1	6.6	6.0				10.8	3.8	9.2	11.4			8.5	
Q4	9.7	8.7	9.3	2.8	0.3				5.5	10.5	6.6	0.8			8.9	
2022 Q1	15.0	26.3	9.1	13.5	14.5				14.0	6.9	12.4	21.2			10.6	
Q2	4.6	11.5	-0.4	6.6	10.3				6.5	5.6	6.3	18.2			3.8	
Q3	1.3	10.2	-0.1	6.8	8.0				-1.8	21.5	3.1	9.7			2.0	
Q4	1.4	10.2	-0.8	7.6	10.8				-0.2	6.2	1.3	5.2			0.6	
2023 Q1	0.2	2.8	-2.2	1.5	5.8				-3.9	6.6	-1.6	-6.5			0.2	

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

2 Non-profit institutions serving households.

3 A further breakdown of business investment can be found in the 'Business investment in the UK' bulletin.

4 Quarterly alignment adjustment included in this series.

5 Acquisitions less disposals of valuables can be a volatile series due to the inclusion of non-monetary gold, but any volatility is likely to be GDP neutral as this is offset in UK trade figures

6 Trade balance is calculated by using exports of goods and services minus imports of goods and services.

7 There is a small difference between the gross operating surplus of the Non-profit Institutions Serving households (NPISH) sector in the Table 6.3.3 of the UK Economic Accounts dataset, compared with the consumption of fixed capital for the NPISH sector published in the GDP release. This difference has been addressed from 2021 Q1. Remaining differences will be corrected when revisions policy allows. The latest figures can be found in the UK Economic Accounts dataset.

# D Gross domestic product by category of income: current prices<sup>1</sup>

£ million

	Compensation of employees		Gross operating surplus of corporations							Taxes on production less subsidies				Statistical discrepancy (income)	Gross domestic product at market prices
	Wages and Salaries	Employers social contributions	Private non-financial corporations <sup>2</sup>	Of which alignment adjustment	Financial corporations	Public corporations	Total <sup>3</sup>	Other income <sup>4</sup>	Gross value added at factor cost	Taxes	Subsidies	Total			
	DTWL	DTWP	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	NTAB	AAXW	CMVL	GIXQ	YBHA
2020	898 500	196 312	1 094 812	387 857	–	83 329	11 746	482 932	399 638	1 977 382	253 140	120 928	132 212	–	2 109 594
2021	956 936	203 547	1 160 483	399 224	–	85 445	12 444	497 113	411 770	2 069 366	282 370	73 130	209 240	–8 360	2 270 246
2022	1 027 642	219 906	1 247 548	430 506	–	95 373	13 159	539 038	446 471	2 233 057	321 184	38 473	282 711	–24 530	2 491 238

## Seasonally adjusted

2020 Q4	229 389	50 693	280 082	95 705	–1 373	20 165	3 247	119 117	100 496	499 695	66 322	26 351	39 971	–	539 666
2021 Q1	230 398	49 750	280 148	96 153	–1 793	20 959	2 969	120 081	101 864	502 093	64 168	28 551	35 617	197	537 907
Q2	237 442	50 433	287 875	101 430	2 041	22 026	3 246	126 702	102 324	516 901	69 337	22 535	46 802	–1 455	562 248
Q3	242 232	51 492	293 724	100 248	615	21 080	3 008	124 336	102 973	521 033	72 892	13 950	58 942	–2 619	577 356
Q4	246 864	51 872	298 736	101 393	–863	21 380	3 221	125 994	104 609	529 339	75 973	8 094	67 879	–4 483	592 735
2022 Q1	251 598	53 369	304 967	103 017	–2 826	23 168	3 182	129 367	107 997	542 331	78 315	8 231	70 084	–6 148	606 267
Q2	254 125	55 175	309 300	106 666	–591	23 190	3 159	133 015	109 453	551 768	79 048	6 579	72 469	–6 027	618 210
Q3	258 533	55 625	314 158	104 943	–3 143	24 343	3 383	132 669	112 306	559 133	81 035	6 907	74 128	–6 116	627 145
Q4	263 386	55 737	319 123	115 880	6 560	24 672	3 435	143 987	116 715	579 825	82 786	16 756	66 030	–6 239	639 616
2023 Q1	268 033	55 715	323 748	121 935	8 376	26 147	3 314	151 396	121 407	596 551	81 776	24 894	56 882	–6 323	647 110

## Percentage change, latest year on previous year

	CWNH	CWNE	KG13	KH59		KH5L	KH53	KH4V	KH6T	KH6N	JJDC	JJDU	KH65	IHYM
2020	–0.1	2.9	0.4	–0.7		3.0	–1.0	–0.1	–	0.2	–12.4	406.3	–50.1	–5.8
2021	6.5	3.7	6.0	2.9		2.5	5.9	2.9	3.0	4.7	11.5	–39.5	58.3	7.6
2022	7.4	8.0	7.5	7.8		11.6	5.7	8.4	8.4	7.9	13.7	–47.4	35.1	9.7

## Percentage change, latest quarter on previous quarter

	CWNI	CWNF	KG14	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	JJDH	JJZD	KH66	IHYN
2020 Q4	2.7	2.1	2.6	–8.2		2.1	8.7	–6.2	0.8	–	6.1	–6.5	16.3	1.0
2021 Q1	0.4	–1.9	–	0.5		3.9	–8.6	0.8	1.4	0.5	–3.2	8.3	–10.9	–0.3
Q2	3.1	1.4	2.8	5.5		5.1	9.3	5.5	0.5	2.9	8.1	–21.1	31.4	4.5
Q3	2.0	2.1	2.0	–1.2		–4.3	–7.3	–1.9	0.6	0.8	5.1	–38.1	25.9	2.7
Q4	1.9	0.7	1.7	1.1		1.4	7.1	1.3	1.6	1.6	4.2	–42.0	15.2	2.7
2022 Q1	1.9	2.9	2.1	1.6		8.4	–1.2	2.7	3.2	2.5	3.1	1.7	3.2	2.3
Q2	1.0	3.4	1.4	3.5		0.1	–0.7	2.8	1.3	1.7	0.9	–20.1	3.4	2.0
Q3	1.7	0.8	1.6	–1.6		5.0	7.1	–0.3	2.6	1.3	2.5	5.0	2.3	1.4
Q4	1.9	0.2	1.6	10.4		1.4	1.5	8.5	3.9	3.7	2.2	142.6	–10.9	2.0
2023 Q1	1.8	–	1.4	5.2		6.0	–3.5	5.1	4.0	2.9	–1.2	48.6	–13.9	1.2

## Percentage change, latest quarter on corresponding quarter of previous year

	CWNJ	CWNG	KG15	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	JJDS	JJG4	KH67	IHYO
2020 Q4	2.0	4.7	2.5	–7.3		–1.6	5.5	–6.1	–0.6	–0.3	–8.7	329.1	–39.9	–4.9
2021 Q1	1.7	2.3	1.8	–0.2		–9.7	2.4	–1.9	1.7	0.9	–9.4	230.6	–42.7	–3.9
Q2	8.3	6.5	8.0	10.9		9.0	24.3	10.8	3.0	7.7	29.6	–61.0	–1 195.0	18.2
Q3	8.4	3.7	7.6	–3.9		6.7	0.7	–2.1	3.3	4.2	16.6	–50.5	71.5	8.1
Q4	7.6	2.3	6.7	5.9		6.0	–0.8	5.8	4.1	5.9	14.6	–69.3	69.8	9.8
2022 Q1	9.2	7.3	8.9	7.1		10.5	7.2	7.7	6.0	8.0	22.0	–71.2	96.8	12.7
Q2	7.0	9.4	7.4	5.2		5.3	–2.7	5.0	7.0	6.7	14.0	–70.8	54.8	10.0
Q3	6.7	8.0	7.0	4.7		15.5	12.5	6.7	9.1	7.3	11.2	–50.5	25.8	8.6
Q4	6.7	7.5	6.8	14.3		15.4	6.6	14.3	11.6	9.5	9.0	107.0	–2.7	7.9
2023 Q1	6.5	4.4	6.2	18.4		12.9	4.1	17.0	12.4	10.0	4.4	202.4	–18.8	6.7

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

2 Quarterly alignment adjustment included in this series.

3 Includes the operating surplus of financial corporations, private non-financial corporations and public corporations.

4 Includes mixed income and the operating surplus of the non-corporate sector.

# E1 Household final consumption expenditure by purpose

## Current prices

£ million

UK NATIONAL <sup>2</sup>															
UK DOMESTIC <sup>3</sup>															
COICOP <sup>1</sup>	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous
				01	02	03	04	05	06	07	08	09	10	11	12
	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
2020	1 214 474	6 051	1 208 423	120 091	52 828	55 678	357 711	68 759	24 308	126 961	28 552	114 408	30 609	87 185	141 333
2021	1 326 320	6 908	1 319 412	122 642	52 437	64 732	367 526	73 441	25 494	150 366	28 335	131 075	33 223	119 901	150 240
2022	1 514 515	23 593	1 490 922	126 737	51 087	73 650	393 590	76 852	27 339	193 371	28 403	144 524	35 339	166 206	173 824
<b>Seasonally adjusted</b>															
2020 Q4	306 634	818	305 816	29 734	13 609	14 143	89 955	17 577	6 630	32 082	6 916	29 688	7 810	21 637	36 035
2021 Q1	298 621	46	298 575	30 993	13 482	14 184	90 997	17 049	6 105	29 412	6 958	30 417	8 088	15 792	35 098
Q2	331 204	1 342	329 862	30 652	13 499	16 673	91 953	19 073	6 380	36 159	7 191	32 945	8 235	29 223	37 879
Q3	345 178	3 076	342 102	30 214	12 794	16 729	91 500	18 520	6 542	40 749	7 101	33 430	8 378	38 117	38 028
Q4	351 317	2 444	348 873	30 783	12 662	17 146	93 076	18 799	6 467	44 046	7 085	34 283	8 522	36 769	39 235
2022 Q1	362 605	3 636	358 969	30 214	12 566	19 022	94 100	19 227	6 422	45 658	7 302	35 882	8 619	39 393	40 564
Q2	376 217	5 476	370 741	31 100	12 910	18 067	97 487	19 328	6 679	47 887	7 152	36 067	8 760	42 920	42 384
Q3	383 081	7 070	376 011	32 270	12 788	18 136	98 565	19 088	7 095	49 702	7 099	36 322	8 905	41 902	44 139
Q4	392 612	7 411	385 201	33 153	12 823	18 425	103 438	19 209	7 143	50 124	6 850	36 253	9 055	41 991	46 737
2023 Q1	397 856	6 580	391 276	34 262	12 812	19 245	105 834	19 643	7 271	47 463	7 208	37 061	9 207	43 028	48 242
<b>Percentage change, latest year on previous year</b>															
	KG7	KG6U	KG9N	KG7F3	KG7F9	KG7G7	KG7H5	KG7I6	KG7J4	KG7K2	KG7K8	KG7B2	KG7C6	KG7E2	
2020	-12.5	-11.4	8.9	12.5	-20.3	1.6	2.9	-15.0	-34.3	2.1	-13.6	3.2	-39.1	-12.8	
2021	9.2	9.2	2.1	-0.7	16.3	2.7	6.8	4.9	18.4	-0.8	14.6	8.5	37.5	6.3	
2022	14.2	13.0	3.3	-2.6	13.8	7.1	4.6	7.2	28.6	0.2	10.3	6.4	38.6	15.7	
<b>Percentage change, latest quarter on previous quarter</b>															
	KG8	KG74	KG9R	KG7F4	KG7G2	KG7G8	KG7H6	KG7I7	KG7J5	KG7K3	KG7K9	KG7B3	KG7C7	KG7E3	
2020 Q4	-1.4	-1.5	-0.4	0.4	-1.9	0.6	-4.4	12.3	-7.7	-5.6	6.0	2.6	-13.8	-0.8	
2021 Q1	-2.6	-2.4	4.2	-0.9	0.3	1.2	-3.0	-7.9	-8.3	0.6	2.5	3.6	-27.0	-2.6	
Q2	10.9	10.5	-1.1	0.1	17.5	1.1	11.9	4.5	22.9	3.3	8.3	1.8	85.0	7.9	
Q3	4.2	3.7	-1.4	-5.2	0.3	-0.5	-2.9	2.5	12.7	-1.3	1.5	1.7	30.4	0.4	
Q4	1.8	2.0	1.9	-1.0	2.5	1.7	1.5	-1.1	8.1	-0.2	2.6	1.7	-3.5	3.2	
2022 Q1	3.2	2.9	-1.8	-0.8	10.9	1.1	2.3	-0.7	3.7	3.1	4.7	1.1	7.1	3.4	
Q2	3.8	3.3	2.9	2.7	-5.0	3.6	0.5	4.0	4.9	-2.1	0.5	1.6	9.0	4.5	
Q3	1.8	1.4	3.8	-0.9	0.4	1.1	-1.2	6.2	3.8	-0.7	0.7	1.7	-2.4	4.1	
Q4	2.5	2.4	2.7	0.3	1.6	4.9	0.6	0.7	0.8	-3.5	-0.2	1.7	0.2	5.9	
2023 Q1	1.3	1.6	3.3	-0.1	4.5	2.3	2.3	1.8	-5.3	5.2	2.2	1.7	2.5	3.2	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>															
	KG9	KG7C	KG9V	KG7F5	KG7G3	KG7G9	KG7H7	KG7I8	KG7J6	KG7K4	KG7L2	KG7B4	KG7C8	KG7E4	
2020 Q4	-12.0	-10.7	5.6	16.1	-19.3	1.8	6.4	-6.2	-32.9	-3.0	-10.6	4.4	-40.4	-12.1	
2021 Q1	-11.4	-10.3	3.8	12.5	-8.4	2.3	0.8	-12.0	-31.8	-4.8	-6.2	5.6	-53.4	-8.1	
Q2	27.6	27.2	-	-1.3	43.3	2.8	20.1	31.8	112.8	2.7	35.7	9.4	346.8	22.9	
Q3	10.9	10.1	1.2	-5.6	16.1	2.4	0.8	10.8	17.3	-3.1	19.4	10.1	51.9	4.7	
Q4	14.6	14.1	3.5	-7.0	21.2	3.5	7.0	-2.5	37.3	2.4	15.5	9.1	69.9	8.9	
2022 Q1	21.4	20.2	-2.5	-6.8	34.1	3.4	12.8	5.2	55.2	4.9	18.0	6.6	149.4	15.6	
Q2	13.6	12.4	1.5	-4.4	8.4	6.0	1.3	4.7	32.4	-0.5	9.5	6.4	46.9	11.9	
Q3	11.0	9.9	6.8	-	8.4	7.7	3.1	8.5	22.0	-	8.7	6.3	9.9	16.1	
Q4	11.8	10.4	7.7	1.3	7.5	11.1	2.2	10.5	13.8	-3.3	5.7	6.3	14.2	19.1	
2023 Q1	9.7	9.0	13.4	2.0	1.2	12.5	2.2	13.2	4.0	-1.3	3.3	6.8	9.2	18.9	

1 ESA 10 Classification of Individual Consumption by Purpose.

2 Final Consumption by UK Households in the UK & abroad.

3 Final consumption expenditure in the UK by UK & foreign households.



# E2 Household final consumption expenditure (goods and services) Current prices

£ million

		UK NATIONAL <sup>2</sup>							
		UK DOMESTIC <sup>3</sup>							
				Goods					
		Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP <sup>1</sup>					D	SD	ND	S	
		ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN
2020		1 214 474	6 051	1 208 423	535 736	126 615	112 714	296 407	672 687
2021		1 326 320	6 908	1 319 412	575 377	138 529	127 382	309 466	744 035
2022		1 514 515	23 593	1 490 922	628 277	148 908	138 207	341 162	862 645
<b>Seasonally adjusted</b>									
2020 Q4		306 634	818	305 816	137 024	33 381	29 291	74 352	168 792
2021 Q1		298 621	46	298 575	134 281	29 618	28 831	75 832	164 294
Q2		331 204	1 342	329 862	147 912	36 306	33 116	78 490	181 950
Q3		345 178	3 076	342 102	144 749	35 801	32 513	76 435	197 353
Q4		351 317	2 444	348 873	148 435	36 804	32 922	78 709	200 438
2022 Q1		362 605	3 636	358 969	152 585	37 455	35 365	79 765	206 384
Q2		376 217	5 476	370 741	155 503	37 078	34 351	84 074	215 238
Q3		383 081	7 070	376 011	157 103	37 104	34 067	85 932	218 908
Q4		392 612	7 411	385 201	163 086	37 271	34 424	91 391	222 115
2023 Q1		397 856	6 580	391 276	166 263	37 305	35 628	93 330	225 013
<b>Percentage change, latest year on previous year</b>									
		KG77		KG6U	KHC9	KHB5	KHH5	KHE5	KHF9
2020		-12.5		-11.4	-4.1	-5.9	-14.4	1.3	-16.4
2021		9.2		9.2	7.4	9.4	13.0	4.4	10.6
2022		14.2		13.0	9.2	7.5	8.5	10.2	15.9
<b>Percentage change, latest quarter on previous quarter</b>									
		KG78		KG74	KHD2	KHB6	KHH6	KHE6	KHG2
2020 Q4		-1.4		-1.5	-2.6	-9.6	-	-0.3	-0.6
2021 Q1		-2.6		-2.4	-2.0	-11.3	-1.6	2.0	-2.7
Q2		10.9		10.5	10.2	22.6	14.9	3.5	10.7
Q3		4.2		3.7	-2.1	-1.4	-1.8	-2.6	8.5
Q4		1.8		2.0	2.5	2.8	1.3	3.0	1.6
2022 Q1		3.2		2.9	2.8	1.8	7.4	1.3	3.0
Q2		3.8		3.3	1.9	-1.0	-2.9	5.4	4.3
Q3		1.8		1.4	1.0	0.1	-0.8	2.2	1.7
Q4		2.5		2.4	3.8	0.5	1.0	6.4	1.5
2023 Q1		1.3		1.6	1.9	0.1	3.5	2.1	1.3
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
		KG79		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3
2020 Q4		-12.0		-10.7	-2.0	-	-11.3	1.2	-16.6
2021 Q1		-11.4		-10.3	-2.3	-8.7	-3.5	1.0	-15.9
Q2		27.6		27.2	22.7	52.1	36.5	8.4	31.2
Q3		10.9		10.1	2.8	-3.1	11.0	2.5	16.2
Q4		14.6		14.1	8.3	10.3	12.4	5.9	18.7
2022 Q1		21.4		20.2	13.6	26.5	22.7	5.2	25.6
Q2		13.6		12.4	5.1	2.1	3.7	7.1	18.3
Q3		11.0		9.9	8.5	3.6	4.8	12.4	10.9
Q4		11.8		10.4	9.9	1.3	4.6	16.1	10.8
2023 Q1		9.7		9.0	9.0	-0.4	0.7	17.0	9.0

1 ESA 10 Classification of Individual Consumption by Purpose.

2 Final Consumption by UK Households in the UK & abroad.

3 Final consumption expenditure in the UK by UK & foreign households.

# E3 Household final consumption expenditure by purpose

## Chained volume measures

Reference year 2019, £ million

UK NATIONAL <sup>2</sup>															
UK DOMESTIC <sup>3</sup>															
COICOP <sup>1</sup>	Total	Net tourism	Total	Food & drink	Alcohol & tobacco	Clothing & footwear	Housing	Household goods & services	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous
	ABJR	ABTH	ZAKW	ZWUN	ZAKY	ZALA	ZAVO	ZAVW	ZAWC	ZAWM	ZAWW	ZAXA	ZWUT	ZAXS	ZAYG
2020	1 208 053	5 941	1 202 112	119 208	51 526	56 250	356 379	68 731	23 766	125 233	29 071	112 690	28 196	86 018	145 044
2021	1 283 950	7 117	1 276 833	120 662	49 569	64 922	359 645	70 710	24 485	139 235	29 989	125 504	31 451	113 617	147 044
2022	1 351 727	17 975	1 333 752	112 384	46 463	68 826	357 649	67 139	25 358	161 028	29 825	132 158	32 128	150 334	150 460
<b>Seasonally adjusted</b>															
2020 Q4	304 080	707	303 373	29 650	13 186	14 309	89 714	17 529	6 458	31 345	7 200	29 036	7 121	21 158	36 667
2021 Q1	293 745	373	293 372	30 828	12 887	14 554	90 057	16 869	5 855	27 592	7 232	29 728	7 750	15 139	34 881
Q2	323 597	1 291	322 306	30 433	12 794	16 835	90 947	18 592	6 170	34 505	7 559	31 829	7 889	27 523	37 230
Q3	332 958	2 775	330 183	29 785	12 087	16 658	89 286	17 680	6 295	37 497	7 557	31 771	7 996	36 035	37 536
Q4	333 650	2 678	330 972	29 616	11 801	16 875	89 355	17 569	6 165	39 641	7 641	32 176	7 816	34 920	37 397
2022 Q1	337 725	3 994	333 731	28 569	11 588	17 994	89 369	17 291	6 001	39 248	7 735	33 316	7 904	36 621	38 095
Q2	338 452	3 764	334 688	28 261	11 691	17 079	89 396	17 002	6 289	40 501	7 400	33 140	8 035	38 013	37 881
Q3	337 395	4 694	332 701	27 919	11 562	16 847	89 196	16 532	6 595	40 350	7 451	33 049	8 141	37 749	37 310
Q4	338 155	5 523	332 632	27 635	11 622	16 906	89 688	16 314	6 473	40 929	7 239	32 653	8 048	37 951	37 174
2023 Q1	338 285	5 044	333 241	27 601	11 332	17 279	90 008	16 311	6 370	40 291	7 559	33 169	8 183	37 825	37 313
<b>Percentage change, latest year on previous year</b>															
	KGZ5	KG7O	KG9Y	KGF6	KGG4	KGH2	KGH8	KGI9	KGJ7	KGK5	KGL3	KGB8	KGD4	KGE8	
2020	-12.9	-11.8	8.1	9.7	-19.5	1.2	2.9	-16.9	-35.2	4.0	-14.9	-4.9	-39.9	-10.5	
2021	6.3	6.2	1.2	-3.8	15.4	0.9	2.9	3.0	11.2	3.2	11.4	11.5	32.1	1.4	
2022	5.3	4.5	-6.9	-6.3	6.0	-0.6	-5.1	3.6	15.7	-0.5	5.3	2.2	32.3	2.3	
<b>Percentage change, latest quarter on previous quarter</b>															
	KGZ6	KG7R	KGA3	KGF7	KGG5	KGH3	KGH9	KGJ2	KGJ8	KGK6	KGL4	KGB9	KGD5	KGE9	
2020 Q4	-1.5	-1.5	0.1	0.1	-1.3	0.9	-4.3	12.2	-7.8	-4.2	5.6	2.1	-14.8	-0.8	
2021 Q1	-3.4	-3.3	4.0	-2.3	1.7	0.4	-3.8	-9.3	-12.0	0.4	2.4	8.8	-28.4	-4.9	
Q2	10.2	9.9	-1.3	-0.7	15.7	1.0	10.2	5.4	25.1	4.5	7.1	1.8	81.8	6.7	
Q3	2.9	2.4	-2.1	-5.5	-1.1	-1.8	-4.9	2.0	8.7	-	-0.2	1.4	30.9	0.8	
Q4	0.2	0.2	-0.6	-2.4	1.3	0.1	-0.6	-2.1	5.7	1.1	1.3	-2.3	-3.1	-0.4	
2022 Q1	1.2	0.8	-3.5	-1.8	6.6	-	-1.6	-2.7	-1.0	1.2	3.5	1.1	4.9	1.9	
Q2	0.2	0.3	-1.1	0.9	-5.1	-	-1.7	4.8	3.2	-4.3	-0.5	1.7	3.8	-0.6	
Q3	-0.3	-0.6	-1.2	-1.1	-1.4	-0.2	-2.8	4.9	-0.4	0.7	-0.3	1.3	-0.7	-1.5	
Q4	0.2	-	-1.0	0.5	0.4	0.6	-1.3	-1.8	1.4	-2.8	-1.2	-1.1	0.5	-0.4	
2023 Q1	-	0.2	-0.1	-2.5	2.2	0.4	-	-1.6	-1.6	4.4	1.6	1.7	-0.3	0.4	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>															
	KGZ7	KG7U	KGA6	KGF8	KGG6	KGH4	KGI2	KGJ3	KGJ9	KGK7	KGL5	KGC2	KGD6	KGF2	
2020 Q4	-12.2	-10.8	6.0	13.0	-18.0	1.9	6.8	-8.0	-33.7	-0.2	-12.2	-3.2	-41.1	-9.7	
2021 Q1	-12.6	-11.6	3.8	8.4	-6.1	1.7	-0.3	-13.7	-35.4	-1.7	-7.6	3.0	-54.9	-10.8	
Q2	24.9	24.5	0.7	-3.6	40.9	2.0	16.4	29.5	100.4	8.1	32.7	19.9	325.1	15.3	
Q3	7.9	7.2	0.5	-8.3	14.9	0.4	-3.5	9.4	10.3	0.5	15.5	14.7	45.0	1.5	
Q4	9.7	9.1	-0.1	-10.5	17.9	-0.4	0.2	-4.5	26.5	6.1	10.8	9.8	65.0	2.0	
2022 Q1	15.0	13.8	-7.3	-10.1	23.6	-0.8	2.5	2.5	42.2	7.0	12.1	2.0	141.9	9.2	
Q2	4.6	3.8	-7.1	-8.6	1.4	-1.7	-8.6	1.9	17.4	-2.1	4.1	1.9	38.1	1.7	
Q3	1.3	0.8	-6.3	-4.3	1.1	-0.1	-6.5	4.8	7.6	-1.4	4.0	1.8	4.8	-0.6	
Q4	1.4	0.5	-6.7	-1.5	0.2	0.4	-7.1	5.0	3.2	-5.3	1.5	3.0	8.7	-0.6	
2023 Q1	0.2	-0.1	-3.4	-2.2	-4.0	0.7	-5.7	6.1	2.7	-2.3	-0.4	3.5	3.3	-2.1	

1 ESA 10 Classification of Individual Consumption by Purpose.

2 Final consumption expenditure by UK households in the UK & abroad.

3 Final consumption expenditure in the UK by UK & foreign households.

# E4 Household final consumption expenditure (goods and services) Chained volume measures

Reference year 2019, £ million

		UK NATIONAL <sup>2</sup>							
		UK DOMESTIC <sup>3</sup>							
		Goods							
		Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
COICOP <sup>1</sup>					D	SD	ND	S	
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP	
2020	1 208 053	5 941	1 202 112	533 192	123 657	113 052	296 483	668 920	
2021	1 283 950	7 117	1 276 833	554 963	128 461	125 871	300 631	721 870	
2022	1 351 727	17 975	1 333 752	542 755	128 986	127 805	285 964	790 997	
<b>Seasonally adjusted</b>									
2020 Q4	304 080	707	303 373	136 565	32 246	29 372	74 947	166 808	
2021 Q1	293 745	373	293 372	132 003	27 716	29 221	75 066	161 369	
Q2	323 597	1 291	322 306	144 900	34 316	32 912	77 672	177 406	
Q3	332 958	2 775	330 183	138 971	32 961	31 827	74 183	191 212	
Q4	333 650	2 678	330 972	139 089	33 468	31 911	73 710	191 883	
2022 Q1	337 725	3 994	333 731	138 403	32 812	33 126	72 465	195 328	
Q2	338 452	3 764	334 688	136 057	32 418	31 903	71 736	198 631	
Q3	337 395	4 694	332 701	133 817	31 836	31 316	70 665	198 884	
Q4	338 155	5 523	332 632	134 478	31 920	31 460	71 098	198 154	
2023 Q1	338 285	5 044	333 241	134 343	31 695	32 047	70 601	198 898	
<b>Percentage change, latest year on previous year</b>									
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7	
2020	-12.9		-11.8	-4.6	-8.1	-14.2	1.3	-16.9	
2021	6.3		6.2	4.1	3.9	11.3	1.4	7.9	
2022	5.3		4.5	-2.2	0.4	1.5	-4.9	9.6	
<b>Percentage change, latest quarter on previous quarter</b>									
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8	
2020 Q4	-1.5		-1.5	-2.2	-9.7	0.3	0.4	-1.0	
2021 Q1	-3.4		-3.3	-3.3	-14.0	-0.5	0.2	-3.3	
Q2	10.2		9.9	9.8	23.8	12.6	3.5	9.9	
Q3	2.9		2.4	-4.1	-3.9	-3.3	-4.5	7.8	
Q4	0.2		0.2	0.1	1.5	0.3	-0.6	0.4	
2022 Q1	1.2		0.8	-0.5	-2.0	3.8	-1.7	1.8	
Q2	0.2		0.3	-1.7	-1.2	-3.7	-1.0	1.7	
Q3	-0.3		-0.6	-1.6	-1.8	-1.8	-1.5	0.1	
Q4	0.2		-	0.5	0.3	0.5	0.6	-0.4	
2023 Q1	-		0.2	-0.1	-0.7	1.9	-0.7	0.4	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9	
2020 Q4	-12.2		-10.8	-1.8	-3.2	-10.6	2.7	-17.0	
2021 Q1	-12.6		-11.6	-3.3	-13.6	-2.2	0.6	-17.3	
Q2	24.9		24.5	20.3	45.2	34.2	7.5	28.1	
Q3	7.9		7.2	-0.5	-7.7	8.7	-0.6	13.5	
Q4	9.7		9.1	1.8	3.8	8.6	-1.7	15.0	
2022 Q1	15.0		13.8	4.8	18.4	13.4	-3.5	21.0	
Q2	4.6		3.8	-6.1	-5.5	-3.1	-7.6	12.0	
Q3	1.3		0.8	-3.7	-3.4	-1.6	-4.7	4.0	
Q4	1.4		0.5	-3.3	-4.6	-1.4	-3.5	3.3	
2023 Q1	0.2		-0.1	-2.9	-3.4	-3.3	-2.6	1.8	

1 ESA 10 Classification of Individual Consumption by Purpose.

2 Final consumption expenditure by UK households in the UK & abroad.

3 Final consumption expenditure in the UK by UK & foreign households.

# F1 Gross fixed capital formation by sector and type of asset

## Current prices

£ million

	Analysis by sector								Analysis by asset						Total
	Public corporations <sup>2</sup>				Private Sector				Transport equipment	ICT equipment and other machinery and equipment <sup>3</sup>	Dwellings <sup>4</sup>	Other buildings and structures <sup>5</sup>	Intellectual Property Products		
	Business investment <sup>1</sup>	General government	Dwellings <sup>4</sup>	Costs of transfer of ownership of non-produced assets	Dwellings <sup>4</sup>	Costs of transfer of ownership of non-produced assets	Total								
2020	NPEK 201 125	RPZG 65 977	L62R 4 284	L62S 787	L62T 73 598	L62U 20 112	NPQS 365 882	TLPX 17 486	TLPW 58 602	GGAE 77 699	EQED 123 029	TLPK 89 067	NPQS 365 882		
2021	204 516	70 729	5 174	637	89 192	23 243	393 491	21 790	60 036	94 366	125 151	92 148	393 491		
2022	236 548	78 367	6 157	727	104 601	25 640	452 040	26 541	72 843	110 758	142 749	99 149	452 040		
<b>Seasonally adjusted</b>															
2020 Q4	50 525	17 269	1 145	204	20 628	5 422	95 192	5 246	15 488	21 773	30 711	21 975	95 192		
2021 Q1	47 968	17 344	1 172	144	21 213	5 571	93 412	5 017	13 935	22 385	29 980	22 095	93 412		
Q2	50 742	17 791	1 294	157	21 933	5 787	97 704	5 180	15 016	23 227	31 210	23 071	97 704		
Q3	53 785	17 454	1 320	164	22 601	5 806	101 130	5 746	16 579	23 921	31 536	23 348	101 130		
Q4	52 021	18 140	1 388	172	23 445	6 079	101 245	5 847	14 506	24 833	32 425	23 634	101 245		
2022 Q1	56 907	21 840	1 537	173	24 538	6 259	111 254	6 824	19 014	26 075	34 956	24 385	111 254		
Q2	59 303	17 830	1 438	192	26 166	6 646	111 575	6 993	17 981	27 604	34 818	24 179	111 575		
Q3	60 013	18 653	1 583	192	27 032	6 605	114 078	6 045	18 558	28 615	36 102	24 758	114 078		
Q4	60 325	20 044	1 599	170	26 865	6 130	115 133	6 679	17 290	28 464	36 873	25 827	115 133		
2023 Q1	63 224	21 230	1 359	152	26 888	5 898	118 751	6 398	20 566	28 247	37 952	25 588	118 751		
<b>Percentage change, latest year on previous year</b>															
2020	KG6N -10.4	KH7N 6.8	L64E -7.2	L64H -33.1	L64K -16.3	L64N -14.5	KG6O -9.3	KG6T -10.8	KG6S -10.7	KH7X -16.1	KH7W -10.9	KG6R 1.8	KG6O -9.3		
2021	1.7	7.2	20.8	-19.1	21.2	15.6	7.5	24.6	2.4	21.5	1.7	3.5	7.5		
2022	15.7	10.8	19.0	14.1	17.3	10.3	14.9	21.8	21.3	17.4	14.1	7.6	14.9		
<b>Percentage change, latest quarter on previous quarter</b>															
2020 Q4	KG6V 2.0	KH7P 3.1	L64F 9.8	L64I 8.5	L64L 3.7	L64O 11.1	KG6W 3.2	KG73 0.2	KG72 6.5	KH83 4.0	KH82 2.4	KG6Z 1.9	KG6W 3.2		
2021 Q1	-5.1	0.4	2.4	-29.4	2.8	2.7	-1.9	-4.4	-10.0	2.8	-2.4	0.5	-1.9		
Q2	5.8	2.6	10.4	9.0	3.4	3.9	4.6	3.2	7.8	3.8	4.1	4.4	4.6		
Q3	6.0	-1.9	2.0	4.5	3.0	0.3	3.5	10.9	10.4	3.0	1.0	1.2	3.5		
Q4	-3.3	3.9	5.2	4.9	3.7	4.7	0.1	1.8	-12.5	3.8	2.8	1.2	0.1		
2022 Q1	9.4	20.4	10.7	0.6	4.7	3.0	9.9	16.7	31.1	5.0	7.8	3.2	9.9		
Q2	4.2	-18.4	-6.4	11.0	6.6	6.2	0.3	2.5	-5.4	5.9	-0.4	-0.8	0.3		
Q3	1.2	4.6	10.1	-	3.3	-0.6	2.2	-13.6	3.2	3.7	3.7	2.4	2.2		
Q4	0.5	7.5	1.0	-11.5	-0.6	-7.2	0.9	10.5	-6.8	-0.5	2.1	4.3	0.9		
2023 Q1	4.8	5.9	-15.0	-10.6	0.1	-3.8	3.1	-4.2	18.9	-0.8	2.9	-0.9	3.1		
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>															
2020 Q4	KG75 -11.7	KH7R 10.1	L64G -7.7	L64J -30.1	L64M -3.6	L64P -5.4	KG76 -6.3	KG7B 40.1	KG7A -8.6	KH87 -3.9	KH86 -13.0	KG79 -4.0	KG76 -6.3		
2021 Q1	-14.8	18.6	1.0	-31.4	2.9	6.6	-4.8	0.6	-10.1	3.7	-8.6	-5.1	-4.8		
Q2	13.4	2.6	38.2	-15.1	76.1	26.2	21.7	156.7	14.9	73.5	5.7	3.7	21.7		
Q3	8.6	4.2	26.6	-12.8	13.6	19.0	9.6	9.8	14.0	14.2	5.1	8.3	9.6		
Q4	3.0	5.0	21.2	-15.7	13.7	12.1	6.4	11.5	-6.3	14.1	5.6	7.5	6.4		
2022 Q1	18.6	25.9	31.1	20.1	15.7	12.3	19.1	36.0	36.4	16.5	16.6	10.4	19.1		
Q2	16.9	0.2	11.1	22.3	19.3	14.8	14.2	35.0	19.7	18.8	11.6	4.8	14.2		
Q3	11.6	6.9	19.9	17.1	19.6	13.8	12.8	5.2	11.9	19.6	14.5	6.0	12.8		
Q4	16.0	10.5	15.2	-1.2	14.6	0.8	13.7	14.2	19.2	14.6	13.7	9.3	13.7		
2023 Q1	11.1	-2.8	-11.6	-12.1	9.6	-5.8	6.7	-6.2	8.2	8.3	8.6	4.9	6.7		

1 Not including expenditure on dwellings, land and existing buildings and costs associated with the transfer of ownership of non-produced assets.

2 Remaining investment by public non-financial corporations included within business investment.

3 Includes cultivated biological resources (AN.115) and weapons (AN.114).

4 Includes new dwellings and improvements to dwellings.

5 Including costs associated with the transfer of ownership of buildings, dwellings and non-produced assets.

# F2 Gross fixed capital formation by sector and type of asset

## Chained volume measures

Reference year 2019, £ million

	Analysis by sector								Analysis by asset					Total
	Public corporations <sup>2</sup>				Private Sector				Transport equipment	ICT equipment and other machinery and equipment <sup>3</sup>	Dwellings <sup>4</sup>	Other buildings and structures <sup>5</sup>	Intellectual Property Products	
	Business investment <sup>1</sup>	General government	Dwellings <sup>4</sup>	Costs of transfer of ownership of non-produced assets	Dwellings <sup>4</sup>	Costs of transfer of ownership of non-produced assets	Total							
	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2020	198 413	63 739	4 240	487	73 900	20 224	361 002	16 807	57 022	77 960	122 002	87 210	361 002	
2021	200 237	67 127	4 973	610	87 283	22 765	382 995	18 688	59 278	92 256	122 389	90 384	382 995	
2022	221 935	69 555	5 472	653	94 464	23 763	415 842	23 404	69 775	99 936	129 880	92 847	415 842	
<b>Seasonally adjusted</b>														
2020 Q4	50 167	16 582	1 084	127	20 699	5 496	94 156	5 106	15 052	21 783	30 746	21 468	94 156	
2021 Q1	47 578	17 089	1 120	129	21 162	5 526	92 604	3 883	14 524	22 282	29 242	22 673	92 604	
Q2	50 602	16 926	1 297	140	21 690	5 696	96 351	5 055	13 837	22 987	31 947	22 525	96 351	
Q3	51 731	16 284	1 267	160	22 082	5 697	97 221	4 828	16 053	23 349	30 539	22 452	97 221	
Q4	50 326	16 828	1 289	181	22 349	5 846	96 819	4 922	14 864	23 638	30 661	22 734	96 819	
2022 Q1	54 461	20 216	1 350	168	22 932	5 996	105 123	5 800	18 647	24 282	32 817	23 577	105 123	
Q2	55 833	15 257	1 357	175	23 863	6 247	102 732	5 652	17 355	25 220	32 258	22 247	102 732	
Q3	55 869	16 365	1 392	166	24 066	6 000	103 858	5 561	17 612	25 458	32 262	22 965	103 858	
Q4	55 772	17 717	1 373	144	23 603	5 520	104 129	6 391	16 161	24 976	32 543	24 058	104 129	
2023 Q1	57 605	19 167	1 038	127	23 406	5 318	106 661	5 931	19 522	24 444	32 553	24 211	106 661	
<b>Percentage change, latest year on previous year</b>														
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2020	-11.9	4.8	-8.1	-17.6	-16.0	-16.1	-10.5	-14.5	-13.4	-15.8	-11.9	0.4	-10.5	
2021	0.9	5.3	17.3	25.3	18.1	12.6	6.1	11.2	4.0	18.3	0.3	3.6	6.1	
2022	10.8	3.6	10.0	7.0	8.2	4.4	8.6	25.2	17.7	8.3	6.1	2.7	8.6	
<b>Percentage change, latest quarter on previous quarter</b>														
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2020 Q4	2.8	1.4	6.9	12.4	3.4	12.1	3.2	2.1	7.4	3.5	2.5	1.5	3.2	
2021 Q1	-5.2	3.1	3.3	1.6	2.2	0.5	-1.6	-24.0	-3.5	2.3	-4.9	5.6	-1.6	
Q2	6.4	-1.0	15.8	8.5	2.5	3.1	4.0	30.2	-4.7	3.2	9.3	-0.7	4.0	
Q3	2.2	-3.8	-2.3	14.3	1.8	-	0.9	-4.5	16.0	1.6	-4.4	-0.3	0.9	
Q4	-2.7	3.3	1.7	13.1	1.2	2.6	-0.4	1.9	-7.4	1.2	0.4	1.3	-0.4	
2022 Q1	8.2	20.1	4.7	-7.2	2.6	2.6	8.6	17.8	25.5	2.7	7.0	3.7	8.6	
Q2	2.5	-24.5	0.5	4.2	4.1	4.2	-2.3	-2.6	-6.9	3.9	-1.7	-5.6	-2.3	
Q3	0.1	7.3	2.6	-5.1	0.9	-4.0	1.1	-1.6	1.5	0.9	-	3.2	1.1	
Q4	-0.2	8.3	-1.4	-13.3	-1.9	-8.0	0.3	14.9	-8.2	-1.9	0.9	4.8	0.3	
2023 Q1	3.3	8.2	-24.4	-11.8	-0.8	-3.7	2.4	-7.2	20.8	-2.1	-	0.6	2.4	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>														
	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T	
2020 Q4	-12.0	9.2	-10.6	-11.8	-2.7	-6.3	-6.5	34.4	-10.0	-3.1	-12.3	-5.0	-6.5	
2021 Q1	-14.2	21.0	-2.7	-5.1	2.3	5.2	-4.4	-18.2	-4.7	2.9	-9.4	-1.1	-4.4	
Q2	15.1	1.5	30.9	26.1	73.6	24.5	22.3	158.8	8.8	70.5	10.2	4.0	22.3	
Q3	6.0	-0.4	25.0	41.6	10.3	16.2	6.6	-3.5	14.5	11.0	1.8	6.1	6.6	
Q4	0.3	1.5	18.9	42.5	8.0	6.4	2.8	-3.6	-1.2	8.5	-0.3	5.9	2.8	
2022 Q1	14.5	18.3	20.5	30.2	8.4	8.5	13.5	49.4	28.4	9.0	12.2	4.0	13.5	
Q2	10.3	-9.9	4.6	25.0	10.0	9.7	6.6	11.8	25.4	9.7	1.0	-1.2	6.6	
Q3	8.0	0.5	9.9	3.8	9.0	5.3	6.8	15.2	9.7	9.0	5.6	2.3	6.8	
Q4	10.8	5.3	6.5	-20.4	5.6	-5.6	7.6	29.8	8.7	5.7	6.1	5.8	7.6	
2023 Q1	5.8	-5.2	-23.1	-24.4	2.1	-11.3	1.5	2.3	4.7	0.7	-0.8	2.7	1.5	

1 Not including expenditure on dwellings, land and existing buildings and costs associated with the transfer of ownership of non-produced assets.

2 Remaining investment by public non-financial corporations included within business investment.

3 Includes cultivated biological resources (AN.115) and weapons (AN.114)

4 Includes new dwellings and improvements to dwellings.

5 Including costs associated with the transfer of ownership of buildings, dwellings and non-produced assets.

# G1 Changes in inventories at current prices <sup>1</sup>

£ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades			Changes in inventories <sup>3</sup>
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale <sup>2</sup>	Retail <sup>2</sup>	Other industries <sup>3</sup>	
<b>Level of inventories held at end-December 2019</b>	523	29 536	18 593	18 752	66 881	362	43 222	37 226	59 058	207 272
2020	FAHS 77	FAGF -862	FADY -510	FALR -153	NZTP -1 525	FAGI -2 108	FBHE 1 973	FAHA -493	CWVD -775	CAEX -2 851
2021	-1 809	1 407	2 299	6 120	9 826	-512	5 888	2 928	-2 851	13 470
2022	-1 868	882	857	6 553	8 292	-1 406	20 806	6 403	3 198	35 425
<b>Seasonally adjusted</b>										
2020 Q4	-150	-27	-494	605	84	108	2 053	1 104	6 426	9 625
2021 Q1	-984	-1 173	1 336	2 634	2 797	-506	885	952	766	3 910
Q2	-261	1 354	931	-218	2 067	851	699	938	-6 840	-2 546
Q3	-230	813	121	2 116	3 050	-1 072	1 532	1 078	862	5 220
Q4	-334	413	-89	1 588	1 912	215	2 772	-40	2 361	6 886
2022 Q1	-1 006	1 047	247	3 242	4 536	-1 068	5 831	5 141	-1 120	12 314
Q2	-446	-552	484	3 953	3 885	-2 085	6 233	3 317	3 325	14 229
Q3	-203	975	-457	49	567	1 441	7 170	-1 198	-4 672	3 105
Q4	-213	-588	583	-691	-696	306	1 572	-857	5 665	5 777
2023 Q1	15	614	142	-863	-107	893	520	-2 563	878	-364

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

# G2 Changes in inventories at chained volume measures<sup>1</sup>

Reference year 2019, £ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades		Other industries <sup>3</sup>	Changes in inventories <sup>3</sup>
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale <sup>2</sup>	Retail <sup>2</sup>		
<b>Level of inventories held at end-December 2019</b>	523	29 536	18 593	18 752	66 881	362	43 222	37 226	59 058	207 272
2020	FAEA 3 745	FBNF 650	FBNG -4 531	FBNH -510	DHBM -4 391	FAEB 1 111	FAJX 2 782	FBYN -4 257	DLWX -10 375	CAFU -11 385
2021	-1 232	1 879	1 969	5 856	9 704	-521	6 244	2 542	-7 789	8 948
2022	-2 451	-3 689	-4	2 811	-882	-4 668	18 809	5 017	-1 409	14 416
<b>Seasonally adjusted</b>										
2020 Q4	1 327	827	-872	1 005	960	1 363	2 828	168	644	7 290
2021 Q1	-641	-889	1 235	2 466	2 812	-303	1 026	910	830	4 634
Q2	-411	1 315	1 073	-178	2 210	900	776	878	-6 875	-2 522
Q3	571	1 225	123	2 366	3 714	-1 146	1 579	948	-1 228	4 438
Q4	-751	228	-462	1 202	968	28	2 863	-194	-516	2 398
2022 Q1	-1 606	847	353	2 742	3 942	-1 668	5 331	4 391	-1 568	8 822
Q2	-546	-1 092	-241	3 010	1 677	-2 313	5 934	2 893	334	7 979
Q3	-307	200	-760	-1 258	-1 818	122	7 068	-1 663	-7 325	-3 923
Q4	8	-3 644	644	-1 683	-4 683	-809	476	-604	7 150	1 538
2023 Q1	633	913	483	-761	635	-259	-545	-3 202	206	-2 532

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

# H1 Exports and imports of goods and services

## Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total <sup>1</sup>
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2020	307 181	309 605	616 786	440 711	168 518	609 229	-133 530	141 087	7 557
2021	323 555	330 729	654 284	492 769	189 554	682 323	-169 214	141 175	-28 039
2022	414 059	401 140	815 199	644 602	257 236	901 838	-230 543	143 904	-86 639
<b>Seasonally adjusted</b>									
2020 Q4	80 155	76 111	156 266	130 882	40 429	171 311	-50 727	35 682	-15 045
2021 Q1	72 555	78 361	150 916	115 147	41 671	156 818	-42 592	36 690	-5 902
Q2	83 628	78 489	162 117	118 612	43 784	162 396	-34 984	34 705	-279
Q3	78 037	79 430	157 467	127 147	46 512	173 659	-49 110	32 918	-16 192
Q4	89 335	94 449	183 784	131 863	57 587	189 450	-42 528	36 862	-5 666
2022 Q1	86 282	90 163	176 445	157 849	56 126	213 975	-71 567	34 037	-37 530
Q2	97 173	97 700	194 873	161 884	64 703	226 587	-64 711	32 997	-31 714
Q3	115 396	106 754	222 150	164 345	68 403	232 748	-48 949	38 351	-10 598
Q4	115 208	106 523	221 731	160 524	68 004	228 528	-45 316	38 519	-6 797
2023 Q1	99 261	107 401	206 662	148 883	71 004	219 887	-49 622	36 397	-13 225
<b>Percentage change, latest year on previous year</b>									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2020	-15.5	-7.9	-11.8	-13.9	-24.8	-17.2			
2021	5.3	6.8	6.1	11.8	12.5	12.0			
2022	28.0	21.3	24.6	30.8	35.7	32.2			
<b>Percentage change, latest quarter on previous quarter</b>									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2020 Q4	8.5	5.0	6.8	20.4	5.1	16.4			
2021 Q1	-9.5	3.0	-3.4	-12.0	3.1	-8.5			
Q2	15.3	0.2	7.4	3.0	5.1	3.6			
Q3	-6.7	1.2	-2.9	7.2	6.2	6.9			
Q4	14.5	18.9	16.7	3.7	23.8	9.1			
2022 Q1	-3.4	-4.5	-4.0	19.7	-2.5	12.9			
Q2	12.6	8.4	10.4	2.6	15.3	5.9			
Q3	18.8	9.3	14.0	1.5	5.7	2.7			
Q4	-0.2	-0.2	-0.2	-2.3	-0.6	-1.8			
2023 Q1	-13.8	0.8	-6.8	-7.3	4.4	-3.8			
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2020 Q4	-18.3	-11.9	-15.3	10.0	-28.4	-2.3			
2021 Q1	-10.7	-10.6	-10.6	1.3	-20.0	-5.4			
Q2	16.3	6.9	11.6	35.7	16.7	30.0			
Q3	5.6	9.6	7.6	17.0	20.9	18.0			
Q4	11.5	24.1	17.6	0.7	42.4	10.6			
2022 Q1	18.9	15.1	16.9	37.1	34.7	36.4			
Q2	16.2	24.5	20.2	36.5	47.8	39.5			
Q3	47.9	34.4	41.1	29.3	47.1	34.0			
Q4	29.0	12.8	20.6	21.7	18.1	20.6			
2023 Q1	15.0	19.1	17.1	-5.7	26.5	2.8			

<sup>1</sup> Trade balance is calculated by using exports of goods and services minus imports of goods and services



# H2 Exports and imports of goods and services

## Chained volume measures

Reference year 2019, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total <sup>1</sup>
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2020	316 266	298 843	615 109	448 866	168 846	617 712	-2 603
2021	316 748	312 170	628 918	472 350	183 616	655 966	-27 048
2022	347 428	343 699	691 127	521 425	221 731	743 156	-52 029
<b>Seasonally adjusted</b>							
2020 Q4	81 941	72 938	154 879	132 205	40 197	172 402	-17 523
2021 Q1	73 421	74 944	148 365	114 079	41 132	155 211	-6 846
Q2	82 688	75 152	157 840	116 778	43 178	159 956	-2 116
Q3	76 511	75 127	151 638	121 545	45 438	166 983	-15 345
Q4	84 128	86 947	171 075	119 948	53 868	173 816	-2 741
2022 Q1	76 931	81 665	158 596	136 585	51 492	188 077	-29 481
Q2	80 779	85 930	166 709	132 310	56 747	189 057	-22 348
Q3	94 859	89 319	184 178	125 055	58 138	183 193	985
Q4	94 859	86 785	181 644	127 475	55 354	182 829	-1 185
2023 Q1	82 554	86 495	169 049	118 086	57 839	175 925	-6 876
<b>Percentage change, latest year on previous year</b>							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2020	-13.0	-11.1	-12.1	-12.3	-24.7	-16.0	
2021	0.2	4.5	2.2	5.2	8.7	6.2	
2022	9.7	10.1	9.9	10.4	20.8	13.3	
<b>Percentage change, latest quarter on previous quarter</b>							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2020 Q4	8.4	3.5	6.0	19.0	3.5	15.0	
2021 Q1	-10.4	2.8	-4.2	-13.7	2.3	-10.0	
Q2	12.6	0.3	6.4	2.4	5.0	3.1	
Q3	-7.5	-	-3.9	4.1	5.2	4.4	
Q4	10.0	15.7	12.8	-1.3	18.6	4.1	
2022 Q1	-8.6	-6.1	-7.3	13.9	-4.4	8.2	
Q2	5.0	5.2	5.1	-3.1	10.2	0.5	
Q3	17.4	3.9	10.5	-5.5	2.5	-3.1	
Q4	-	-2.8	-1.4	1.9	-4.8	-0.2	
2023 Q1	-13.0	-0.3	-6.9	-7.4	4.5	-3.8	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2020 Q4	-17.1	-14.7	-16.0	9.9	-28.8	-2.5	
2021 Q1	-10.8	-12.1	-11.5	-0.5	-22.5	-7.4	
Q2	8.2	7.1	7.7	28.4	17.4	25.3	
Q3	1.2	6.6	3.8	9.4	17.0	11.4	
Q4	2.7	19.2	10.5	-9.3	34.0	0.8	
2022 Q1	4.8	9.0	6.9	19.7	25.2	21.2	
Q2	-2.3	14.3	5.6	13.3	31.4	18.2	
Q3	24.0	18.9	21.5	2.9	28.0	9.7	
Q4	12.8	-0.2	6.2	6.3	2.8	5.2	
2023 Q1	7.3	5.9	6.6	-13.5	12.3	-6.5	

<sup>1</sup> Trade balance is calculated by using exports of goods and services minus imports of goods and services

# H3 Breakdown of exports and imports of goods

## Current Prices SA

£ million

	Trade in goods					
	Non-EU Exports	Non-EU Imports	Non-EU Balance	EU Exports	EU Imports	EU Balance
	L87M	L87O	L87K	L87S	L87U	L87Q
2020	160 997	207 798	-46 801	146 184	232 913	-86 729
2021	168 117	256 176	-88 059	155 438	236 593	-81 155
2022	220 361	333 649	-113 288	193 698	310 953	-117 255
2020 Q4	39 668	61 490	-21 822	40 487	69 392	-28 905
2021 Q1	40 417	60 828	-20 411	32 138	54 319	-22 181
Q2	43 338	60 321	-16 983	40 290	58 291	-18 001
Q3	38 790	65 253	-26 463	39 247	61 894	-22 647
Q4	45 572	69 774	-24 202	43 763	62 089	-18 326
2022 Q1	43 498	84 249	-40 751	42 784	73 600	-30 816
Q2	47 802	82 091	-34 289	49 371	79 793	-30 422
Q3	63 011	88 346	-25 335	52 385	75 999	-23 614
Q4	66 050	78 963	-12 913	49 158	81 561	-32 403
2023 Q1	52 931	70 215	-17 284	46 330	78 668	-32 338

# H4 Breakdown of exports and imports of goods

## Chained Volume Measures SA

£ million

	Trade in Goods					
	Non-EU Exports	Non-EU Imports	Non-EU Balance	EU Exports	EU Imports	EU Balance
	LGEB	LGEU	CTVU	LGCN	LGDF	CTVT
2020	163 946	214 212	-50 266	152 320	234 654	-82 334
2021	166 748	240 777	-74 029	150 000	231 573	-81 573
2022	188 936	246 790	-57 854	158 492	274 635	-116 143
2020 Q4	40 585	62 807	-22 222	41 356	69 398	-28 042
2021 Q1	41 110	59 915	-18 805	32 311	54 164	-21 853
Q2	43 723	59 330	-15 607	38 965	57 448	-18 483
Q3	38 601	61 186	-22 585	37 910	60 359	-22 449
Q4	43 314	60 346	-17 032	40 814	59 602	-18 788
2022 Q1	39 159	67 716	-28 557	37 772	68 869	-31 097
Q2	40 941	61 584	-20 643	39 838	70 726	-30 888
Q3	53 294	59 084	-5 790	41 565	65 971	-24 406
Q4	55 542	58 406	-2 864	39 317	69 069	-29 752
2023 Q1	44 303	53 124	-8 821	38 251	64 962	-26 711

# K1 General government Final Consumption: Current Prices SA Summary by Function

£ million

	Health	Education	Social Protection	Justice and Fire	Military Defence	Central Government Other	Local Government Other	Total
	KSP4	KSP3	KSP7	KSP6	KSP5	KSQ2	KSQ3	NMRP
2020	196 184	76 972	50 137	10 755	43 169	51 095	46 802	475 114
2021	213 524	82 135	49 825	11 470	45 559	56 803	48 878	508 194
2022	211 141	84 656	50 379	12 174	48 131	64 333	53 676	524 490
2020 Q4	52 522	19 880	12 952	2 715	10 900	12 685	12 046	123 700
2021 Q1	55 046	19 788	13 046	3 022	11 335	14 040	12 408	128 685
Q2	52 950	20 627	12 146	2 719	11 553	13 889	11 973	125 857
Q3	52 366	20 646	12 272	2 950	11 157	14 517	12 177	126 085
Q4	53 162	21 074	12 361	2 779	11 514	14 357	12 320	127 567
2022 Q1	56 556	21 175	12 293	2 897	11 798	15 611	12 759	133 089
Q2	50 351	20 847	12 542	3 023	11 775	15 811	13 387	127 736
Q3	52 220	21 318	12 766	3 038	12 253	16 295	13 641	131 531
Q4	52 014	21 316	12 778	3 216	12 305	16 616	13 889	132 134
2023 Q1	52 848	21 500	12 828	3 219	11 660	15 253	14 012	131 320

# K2 General government Final Consumption: Chained Volume Measures SA Summary by Function

£ million

	Health	Education	Social Protection	Justice and Fire	Military Defence	Central Government Other	Local Government Other	Total
	KSR6	KSR5	KSR9	KSR8	KSR7	KSS4	KSS5	NMRY
2020	142 939	58 522	47 412	9 257	42 513	48 917	44 900	394 460
2021	177 336	66 126	48 668	9 372	44 107	52 919	45 379	443 907
2022	170 811	71 366	49 248	9 922	44 361	57 923	48 375	452 006
2020 Q4	39 242	17 049	11 952	2 280	10 660	11 980	11 367	104 530
2021 Q1	41 009	13 323	11 964	2 294	11 058	13 388	11 341	104 377
Q2	44 692	17 527	12 094	2 364	11 272	13 026	11 417	112 392
Q3	44 990	17 654	12 242	2 334	10 782	13 442	11 410	112 854
Q4	46 645	17 622	12 368	2 380	10 995	13 063	11 211	114 284
2022 Q1	44 795	17 594	12 349	2 459	11 087	14 369	11 229	113 882
Q2	41 840	17 878	12 317	2 417	10 972	14 202	12 324	111 950
Q3	41 957	18 080	12 324	2 563	11 258	14 333	12 276	112 791
Q4	42 219	17 814	12 258	2 483	11 044	15 019	12 546	113 383
2023 Q1	41 828	17 676	12 296	2 492	10 666	13 907	12 455	111 320

## Gross value added at basic prices: individual measures

	£ million				Index numbers (2019 = 100) <sup>3</sup>				
	Expenditure-based estimate at chained volume measures	At current prices			Value indices at current prices		Chained volume indices		
		Expenditure-based estimate	Income-based estimate	Residual error <sup>1</sup>	Expenditure-based estimate	Income-based estimate	Expenditure-based estimate	Income-based estimate <sup>2</sup>	Output-based estimate
	CAGR	CAGQ	CAGS	DJDS	IHYA	IHYB	IHYC	IHYD	YBFR
2020	1 788 734	1 903 575	1 903 575	–	95.2	95.2	89.4	89.4	89.4
2021	1 930 605	2 034 323	2 042 031	–7 708	101.7	102.1	96.5	96.9	96.1
2022	1 991 511	2 211 296	2 254 797	–43 501	110.6	112.7	99.6	101.5	100.2
<b>Seasonally adjusted</b>									
2020 Q4	458 818	484 671	484 671	–	96.9	96.9	91.8	91.8	91.8
2021 Q1	454 977	486 084	484 908	1 176	97.2	97.0	91.0	90.8	90.7
Q2	485 023	505 317	505 596	–279	101.1	101.1	97.0	97.0	96.3
Q3	492 405	516 086	518 557	–2 471	103.2	103.7	98.5	98.9	97.9
Q4	498 200	526 836	532 970	–6 134	105.4	106.6	99.6	100.8	99.4
2022 Q1	498 745	536 924	546 734	–9 810	107.4	109.3	99.7	101.6	100.0
Q2	497 624	546 318	557 364	–11 046	109.3	111.5	99.5	101.5	100.3
Q3	497 197	553 544	564 753	–11 209	110.7	112.9	99.4	101.4	100.2
Q4	497 945	574 510	585 946	–11 436	114.9	117.2	99.6	101.6	100.3
2023 Q1	498 597	590 971	602 553	–11 582	118.2	120.5	99.7	101.7	100.4
<b>Percentage change, latest year on previous year</b>									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2020	–10.6	–4.8	–4.8		–4.8	–4.8	–10.6	–10.6	–10.6
2021	7.9	6.9	7.3		6.9	7.3	7.9	8.3	7.4
2022	3.2	8.7	10.4		8.7	10.4	3.2	4.8	4.3
<b>Percentage change, latest quarter on previous quarter</b>									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2020 Q4	1.4	0.3	0.3		0.3	0.3	1.4	1.4	1.4
2021 Q1	–0.8	0.3	–		0.3	–	–0.8	–1.1	–1.2
Q2	6.6	4.0	4.3		4.0	4.3	6.6	6.9	6.2
Q3	1.5	2.1	2.6		2.1	2.6	1.5	2.0	1.7
Q4	1.2	2.1	2.8		2.1	2.8	1.2	1.9	1.5
2022 Q1	0.1	1.9	2.6		1.9	2.6	0.1	0.8	0.6
Q2	–0.2	1.7	1.9		1.7	1.9	–0.2	–	0.3
Q3	–0.1	1.3	1.3		1.3	1.3	–0.1	–0.1	–0.1
Q4	0.2	3.8	3.8		3.8	3.8	0.2	0.1	0.1
2023 Q1	0.1	2.9	2.8		2.9	2.8	0.1	0.1	0.1
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2020 Q4	–8.6	–4.6	–4.6		–4.6	–4.6	–8.6	–8.6	–8.6
2021 Q1	–7.2	–3.3	–3.5		–3.3	–3.5	–7.2	–7.4	–7.5
Q2	25.2	16.7	16.7		16.7	16.7	25.2	25.3	24.3
Q3	8.8	6.8	7.3		6.8	7.3	8.8	9.4	8.2
Q4	8.6	8.7	10.0		8.7	10.0	8.6	9.9	8.3
2022 Q1	9.6	10.5	12.8		10.5	12.8	9.6	11.9	10.3
Q2	2.6	8.1	10.2		8.1	10.2	2.6	4.6	4.1
Q3	1.0	7.3	8.9		7.3	8.9	1.0	2.5	2.3
Q4	–0.1	9.0	9.9		9.0	9.9	–0.1	0.8	0.9
2023 Q1	–	10.1	10.2		10.1	10.2	–	0.1	0.5

1 The residual error is, by convention, the amount by which the expenditure-based approach to measuring GDP exceeds the income-based estimate. It is also the sum of two components: the statistical discrepancy (expenditure) with sign reversed, and the statistical discrepancy (income) with natural sign.

2 Income data deflated by the implied GDP deflator, based on expenditure data.

3 The growth rates of index numbers are calculated using unrounded data.

# M Alignment adjustments<sup>1</sup>

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2019)	
<b>Seasonally adjusted</b>			
2020 Q4	DMUN 3 170	DMUM 2 970	DMUQ -1 373
2021 Q1	1 299	1 217	-1 793
Q2	-2 878	-2 739	2 041
Q3	1 475	1 411	615
Q4	104	111	-863
2022 Q1	-2 806	-2 554	-2 826
Q2	2 106	1 932	-591
Q3	-3 002	-2 635	-3 143
Q4	3 702	3 257	6 560
2023 Q1	-2 940	-2 539	8 376

<sup>1</sup> Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

# N Selected financial year variables 1,2

£ millions except deflator index which is 2022/23 = 100

	Current prices					Chained Volume Measures (reference year 2019)				
	Gross domestic product at market prices	Gross domestic product at market prices non seasonally adjusted	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Gross domestic product at market prices	Gross value added at basic prices	General government final consumption expenditure	General government gross fixed capital formation	Implied GDP deflator at market prices <sup>3,4</sup>
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2020/21	2 087 594	2 085 204	1 886 219	494 904	68 703	1 949 179	1 752 685	394 749	66 702	94.5067
2021/22	2 338 606	2 337 907	2 089 152	512 598	75 225	2 196 007	1 978 022	453 412	70 254	93.8523
2022/23	2 532 081	2 531 870	2 285 911	522 721	77 757	2 231 913	2 009 493	449 444	68 506	100.0000
<b>Seasonally adjusted</b>										
2020 Q4	539 666	545 846	484 671	123 700	17 269	509 621	458 818	104 530	16 582	93.3432
2021 Q1	537 907	540 636	485 105	128 685	17 344	504 255	454 059	104 377	17 089	94.0290
Q2	562 248	560 954	504 141	125 857	17 791	537 175	483 899	112 392	16 926	92.2608
Q3	577 356	569 158	515 938	126 085	17 454	546 487	492 265	112 854	16 284	93.1255
Q4	592 735	599 498	528 487	127 567	18 140	554 821	499 745	114 284	16 828	94.1700
2022 Q1	606 267	608 297	540 586	133 089	21 840	557 524	502 113	113 882	20 216	95.8529
Q2	618 210	613 102	551 337	127 736	17 830	557 810	502 153	111 950	15 257	97.6910
Q3	627 145	627 178	558 637	131 531	18 653	557 286	501 723	112 791	16 365	99.1961
Q4	639 616	642 661	579 707	132 134	20 044	558 005	502 479	113 383	17 717	101.0383
2023 Q1	647 110	648 929	596 230	131 320	21 230	558 812	503 138	111 320	19 167	102.0745
<b>Percentage change, latest financial year on previous financial year</b>										
2020/21	-7.1	-7.3	-6.2	14.7	12.8	-12.5	-12.0	-7.1	12.2	6.3
2021/22	12.0	12.1	10.8	3.6	9.5	12.7	12.9	14.9	5.3	-0.7
2022/23	8.3	8.3	9.4	2.0	3.4	1.6	1.6	-0.9	-2.5	6.6
<b>Percentage change, latest quarter on previous quarter</b>										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2020 Q4	1.0	4.1	0.3	2.0	3.1	1.2	1.4	3.8	1.4	-0.2
2021 Q1	-0.3	-1.0	0.1	4.0	0.4	-1.1	-1.0	-0.1	3.1	0.7
Q2	4.5	3.8	3.9	-2.2	2.6	6.5	6.6	7.7	-1.0	-1.9
Q3	2.7	1.5	2.3	0.2	-1.9	1.7	1.7	0.4	-3.8	0.9
Q4	2.7	5.3	2.4	1.2	3.9	1.5	1.5	1.3	3.3	1.1
2022 Q1	2.3	1.5	2.3	4.3	20.4	0.5	0.5	-0.4	20.1	1.8
Q2	2.0	0.8	2.0	-4.0	-18.4	0.1	-	-1.7	-24.5	1.9
Q3	1.4	2.3	1.3	3.0	4.6	-0.1	-0.1	0.8	7.3	1.5
Q4	2.0	2.5	3.8	0.5	7.5	0.1	0.2	0.5	8.3	1.9
2023 Q1	1.2	1.0	2.9	-0.6	5.9	0.1	0.1	-1.8	8.2	1.0
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2020 Q4	-4.9	-5.2	-4.6	13.1	10.1	-9.2	-8.6	-3.0	9.2	4.7
2021 Q1	-3.9	-4.3	-3.5	18.2	18.6	-7.7	-7.4	0.3	21.0	4.1
Q2	18.2	18.3	16.4	3.8	2.6	24.4	24.9	31.9	1.5	-5.0
Q3	8.1	8.5	6.7	4.0	4.2	8.5	8.8	12.1	-0.4	-0.4
Q4	9.8	9.8	9.0	3.1	5.0	8.9	8.9	9.3	1.5	0.9
2022 Q1	12.7	12.5	11.4	3.4	25.9	10.6	10.6	9.1	18.3	1.9
Q2	10.0	9.3	9.4	1.5	0.2	3.8	3.8	-0.4	-9.9	5.9
Q3	8.6	10.2	8.3	4.3	6.9	2.0	1.9	-0.1	0.5	6.5
Q4	7.9	7.2	9.7	3.6	10.5	0.6	0.5	-0.8	5.3	7.3
2023 Q1	6.7	6.7	10.3	-1.3	-2.8	0.2	0.2	-2.2	-5.2	6.5

1 Financial year £ millions estimates are the sum of the 4 quarters which make up that financial year.

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 2022/2023 =100 for presentational

purposes, whereas in table A1 it is expressed as 2019 = 100.

4 Implied deflator is displayed with 4 decimal places to replace a GDP deflator in index form series previously calculated by HM Treasury. Data are only considered accurate to 1 decimal place.



# O Selected implied deflators<sup>1</sup>

2022 = 100

	Implied deflators <sup>2</sup>		
	Gross national expenditure	Gross domestic product at market prices <sup>3</sup>	Gross value added at basic prices
	MNE2	MNF2	MNX5
2020	93.5556	95.0545	96.0874
2021	93.7390	94.8720	94.9143
2022	100.0000	100.0000	100.0000
<b>Seasonally adjusted</b>			
2020 Q4	93.1279	94.8180	95.1300
2021 Q1	94.1637	95.5147	96.2131
Q2	92.3135	93.7185	93.8227
Q3	93.4957	94.5969	94.3864
Q4	94.9832	95.6579	95.2350
2022 Q1	97.0669	97.3674	96.9559
Q2	99.1506	99.2345	98.8762
Q3	101.4714	100.7634	100.2713
Q4	102.3111	102.6347	103.8966
2023 Q1	103.3135	103.6873	106.7180
<b>Percentage change, latest year on previous year</b>			
	MNE3	MNF3	MNX6
2020	5.7	6.2	6.7
2021	0.2	-0.2	-1.2
2022	6.7	5.4	5.4
<b>Percentage change, latest quarter on previous quarter</b>			
	MNE4	MNF4	MNX7
2020 Q4	-0.2	-0.2	-1.1
2021 Q1	1.1	0.7	1.1
Q2	-2.0	-1.9	-2.5
Q3	1.3	0.9	0.6
Q4	1.6	1.1	0.9
2022 Q1	2.2	1.8	1.8
Q2	2.1	1.9	2.0
Q3	2.3	1.5	1.4
Q4	0.8	1.9	3.6
2023 Q1	1.0	1.0	2.7
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>			
	MNE5	MNF5	MNX8
2020 Q4	4.3	4.7	4.4
2021 Q1	4.4	4.1	4.2
Q2	-5.4	-5.0	-6.8
Q3	0.2	-0.4	-1.9
Q4	2.0	0.9	0.1
2022 Q1	3.1	1.9	0.8
Q2	7.4	5.9	5.4
Q3	8.5	6.5	6.2
Q4	7.7	7.3	9.1
2023 Q1	6.4	6.5	10.1

1 Implied deflator is expressed in terms of 2022 = 100, whereas in table A1 it is expressed as 2019 = 100. This deflator is calculated in a different way to the deflators in table A1 therefore there may be slight discrepancies, as such we recommend using the deflators in table A1 where possible.

2 Data are only considered accurate to 1 decimal place.

3 Implied deflator is displayed with 4 decimal places to replace a GDP deflator in index form series previously calculated by HM Treasury.

# P GDP Per Head<sup>1</sup>

£

	UK resident population mid-year estimates (persons thousands) <sup>2</sup>	Current Prices		Chained volume measures (Reference year 2019)	
		Gross domestic product at market prices <sup>3</sup>	Gross domestic product per head	Gross domestic product at market prices <sup>3</sup>	Gross domestic product per head
	EBAQ	YBHA	IHXT	ABMI	IHXW
2020	67 081	2 109 594	31 448	1 991 439	29 687
2021	67 351	2 270 246	33 708	2 142 738	31 814
2022	67 791	2 491 238	36 749	2 230 625	32 904
<b>Seasonally adjusted</b>					
2020 Q4	67 216	539 666	8 029	509 621	7 582
2021 Q1	67 283	537 907	7 995	504 255	7 495
Q2	67 351	562 248	8 348	537 175	7 976
Q3	67 412	577 356	8 565	546 487	8 107
Q4	67 473	592 735	8 785	554 821	8 223
2022 Q1	67 681	606 267	8 958	557 524	8 238
Q2	67 791	618 210	9 119	557 810	8 228
Q3	67 874	627 145	9 240	557 286	8 211
Q4	67 957	639 616	9 412	558 005	8 211
2023 Q1	68 040	647 110	9 511	558 812	8 213
<b>Percentage change, latest year on previous year</b>					
		IHYM	N3Y3	IHYP	N3Y6
2020		-5.8	-6.2	-11.0	-11.4
2021		7.6	7.2	7.6	7.2
2022		9.7	9.0	4.1	3.4
<b>Percentage change, latest quarter on previous quarter</b>					
		IHYN	N3Y4	IHYQ	N3Y7
2020 Q4		1.0	0.9	1.2	1.1
2021 Q1		-0.3	-0.4	-1.1	-1.1
Q2		4.5	4.4	6.5	6.4
Q3		2.7	2.6	1.7	1.6
Q4		2.7	2.6	1.5	1.4
2022 Q1		2.3	2.0	0.5	0.2
Q2		2.0	1.8	0.1	-0.1
Q3		1.4	1.3	-0.1	-0.2
Q4		2.0	1.9	0.1	-
2023 Q1		1.2	1.1	0.1	-
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>					
		IHYO	N3Y5	IHYR	N3Y8
2020 Q4		-4.9	-5.3	-9.2	-9.6
2021 Q1		-3.9	-4.3	-7.7	-8.1
Q2		18.2	17.7	24.4	23.9
Q3		8.1	7.7	8.5	8.1
Q4		9.8	9.4	8.9	8.5
2022 Q1		12.7	12.0	10.6	9.9
Q2		10.0	9.2	3.8	3.2
Q3		8.6	7.9	2.0	1.3
Q4		7.9	7.1	0.6	-0.1
2023 Q1		6.7	6.2	0.2	-0.3

1 This data uses the latest population estimates with the exception of the latest year where population projections are used. The quarterly data in this table does not sum to annuals (excluding GDP at market prices)

2 In line with National accounts revision policy (<https://www.ons.gov.uk/methodology/methodologytopicsandstatisticalconcepts/revisions/revisionspoliciesforeconomicstatistics/nationalaccountsrevisionspolicyupdated-december2017>), 2022 now consistent with mid-year population projection as published on 27 January 2023 <https://www.ons.gov.uk/peoplepopulationandcommunity/populationandmigration/populationprojections/datasets/tablea11principalprojectionuksummary>. 2021 will be updated as part of the annual blue book process where earlier time periods are open to revision and published with the latest population estimate.

3 GDP is presented in £ million; also published in table A2

# R Revisions Analysis<sup>1</sup>

## Revisions since previously published estimates

continued

£ million

		2023 Q1
<b>Latest less previously published levels of GDP</b>		
<b>at current market prices</b>		
<b>National accounts aggregates</b>		
<b>at current prices (Table A2)</b>		
Gross domestic product at market prices	KB7D	1 083
less Basic price adjustment	KB7E	4 946
Gross value added at basic prices	KB7F	-3 863
<b>Gross domestic product:</b>		
<b>expenditure at current prices (Table C1)</b>		
National expenditure on goods and services		
at market prices		
Households	KB7K	489
Non-profit institutions serving households	KB7L	82
General government	KB7M	574
Gross fixed capital formation	KB7N	1 171
Changes in inventories	KB7O	2 806
Acquisitions less disposals of valuables	KB7P	7
Total	KB7Q	5 129
Total exports	KB7R	2 702
Total imports	KB7S	6 757
Statistical discrepancy (expenditure)	KB7T	9
<b>Gross domestic product:</b>		
<b>income at current prices (Table D)</b>		
Compensation of employees	KB7U	2 774
Gross operating surplus of corporations	KB7V	-8 098
Other income	KB7W	1 206
Gross value added at factor cost	KB7X	-4 118
Taxes on products & production less Subsidies	KB7Y	5 212
Statistical discrepancy (income)	KB7Z	-11

1 Estimates are given to the nearest £ million but cannot be regarded as accurate to this degree.

		2023 Q1
<b>Latest less previously published growth rates</b>		
<b>for GDP in chained volume terms</b>		
<b>Percentage changes in volume of GDP (Table A2)</b>		
Gross domestic product chained volume measures		
Quarter on quarter growth	KB82	-
Quarter on same quarter a year earlier	KB94	-
<b>Percentage changes in volume</b>		
<b>of GVA output components (Table B1)</b>		
GVA at basic prices quarter on quarter growth		
Agriculture, forestry and fishing	KB83	-0.1
Mining and quarrying inc oil & gas extraction	KB84	-0.4
Manufacturing	KB85	0.1
Electricity, gas, steam and air	KB86	-
Water supply, sewerage	KNT7	0.2
Total Production	KB87	-
Construction	KB88	-0.3
Distribution, hotels and restaurants	KB89	-0.1
Transport storage and communications	KB8A	-0.1
Business services and finance	KB8B	0.1
Government and other services	KB8C	-0.2
Total services	KB8D	-
Total GVA	KB8E	-
Total GVA excluding Oil	KB8F	-
<b>Percentage changes in volume of GDP</b>		
<b>expenditure components (Table C2)</b>		
National expenditure on goods and services		
at market prices quarter on quarter growth		
Households	KB8G	-
Non-profit institutions serving households	KB8H	-1.5
General government	KB8I	0.7
Gross fixed capital formation	KB8J	1.1
Total	KB8K	0.8
Total exports	KB8L	1.2
Total imports	KB8M	3.4



# Annex A - Growth and contributions to growth - output components of GDP<sup>1,2</sup>

## Chained Volume Measures

Seasonally adjusted data

Reference year 2019

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr uction <sup>3</sup>	Total Services	Distri- bution, hotels & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
<b>Percentage change, latest year on previous year</b>												
<b>Growth</b>												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2020	-3.5	1.2	-3.2	0.1	9.1	4.8	-13.5	-12.4	-23.3	-12.5	-3.2	-19.8
2021	5.8	7.3	-11.7	9.7	5.1	7.8	13.1	7.0	8.7	7.4	4.8	10.3
2022	3.5	-2.8	2.1	-3.7	-3.6	2.0	6.2	5.5	5.3	10.0	3.0	7.4
<b>Contributions to growth</b>												
	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2020	-0.02	0.17	-0.04	0.01	0.13	0.06	-0.84	-9.87	-3.13	-1.29	-1.08	-4.37
2021	0.04	0.97	-0.09	0.93	0.08	0.10	0.74	5.64	1.06	0.74	1.83	2.29
2022	0.03	-0.39	0.02	-0.37	-0.06	0.03	0.38	4.56	0.72	1.04	1.23	1.80
<b>Percentage change, latest quarter on previous quarter</b>												
<b>Growth</b>												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2020 Q3	5.2	18.1	-2.9	24.3	9.8	6.1	41.9	15.0	47.4	14.3	3.3	24.4
Q4	0.5	4.1	-1.8	5.9	-1.8	2.3	5.1	0.6	-9.2	2.3	2.0	3.2
2021 Q1	2.1	-	-4.9	-0.7	5.2	2.7	1.1	-1.7	-7.8	-0.1	2.1	-5.5
Q2	2.3	0.3	-18.8	1.3	4.4	0.5	3.8	7.7	22.0	3.7	1.2	14.8
Q3	3.7	-0.4	24.4	-0.9	-9.5	0.9	-1.6	2.4	4.9	2.0	0.9	3.9
Q4	0.2	-1.4	-3.4	-1.3	-3.5	2.0	1.4	2.1	-1.8	3.6	1.7	4.4
2022 Q1	0.6	-0.1	2.8	-1.1	4.1	0.7	2.9	0.5	-0.3	4.1	0.3	-0.9
Q2	0.6	-0.9	-3.0	-1.0	0.3	0.2	1.9	0.4	0.5	0.6	0.9	-0.6
Q3	-0.1	-1.8	-1.1	-1.9	-1.5	-2.1	0.6	0.2	-0.9	1.1	-	0.6
Q4	-0.5	-	-2.4	0.5	-2.1	0.7	1.3	0.1	0.3	-0.2	0.3	-0.4
2023 Q1	-	0.1	-5.4	0.6	-	0.3	0.4	0.1	0.1	0.4	0.5	-0.5
<b>Contributions to growth</b>												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2020 Q3	0.04	2.81	-0.04	2.56	0.19	0.10	2.14	11.81	4.65	1.44	1.32	4.38
Q4	-	0.64	-0.02	0.66	-0.03	0.03	0.32	0.45	-1.14	0.24	0.72	0.62
2021 Q1	0.01	-	-0.04	-0.07	0.08	0.03	0.06	-1.32	-0.95	-0.01	0.67	-1.34
Q2	0.02	0.04	-0.13	0.14	0.07	0.01	0.23	6.05	2.45	0.37	0.53	3.24
Q3	0.03	-0.05	0.13	-0.09	-0.15	0.01	-0.09	1.91	0.61	0.20	0.38	0.92
Q4	-	-0.17	-0.02	-0.12	-0.05	0.02	0.08	1.68	-0.24	0.34	0.60	1.07
2022 Q1	-	-0.02	0.02	-0.11	0.06	0.01	0.17	0.41	-0.03	0.45	0.16	-0.18
Q2	-	-0.11	-0.03	-0.09	0.01	-	0.11	0.32	0.09	0.08	0.28	-0.18
Q3	-	-0.24	-0.01	-0.18	-0.02	-0.03	0.03	0.14	-0.14	0.11	0.03	0.16
Q4	-	0.01	-0.02	0.05	-0.03	0.01	0.08	0.06	0.05	-0.02	0.13	-0.08
2023 Q1	-	0.02	-0.06	0.06	-	-	0.03	0.09	-0.01	0.06	0.14	-0.09
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>												
<b>Growth</b>												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2020 Q3	-5.8	4.7	-2.0	4.2	12.1	5.8	-10.4	-12.4	-16.4	-12.6	-4.8	-21.3
Q4	-6.8	7.3	0.4	9.0	1.0	8.3	-5.2	-11.7	-22.4	-9.4	-3.2	-19.3
2021 Q1	-4.1	6.3	-7.0	7.1	9.4	6.9	-2.6	-10.4	-22.1	-6.1	-1.4	-20.0
Q2	10.5	23.3	-26.4	32.4	18.5	11.9	56.5	22.5	50.5	21.1	8.9	39.4
Q3	8.9	3.9	-5.7	5.6	-2.3	6.4	8.5	9.1	7.1	8.1	6.3	16.3
Q4	8.6	-1.5	-7.2	-1.5	-4.1	6.2	4.7	10.7	15.8	9.5	6.0	17.7
2022 Q1	7.0	-1.6	0.3	-2.0	-5.0	4.1	6.6	13.1	25.2	14.1	4.1	23.3
Q2	5.2	-2.7	19.8	-4.2	-8.7	3.8	4.6	5.5	3.2	10.7	3.8	6.8
Q3	1.4	-4.1	-4.8	-5.2	-0.7	0.7	6.9	3.2	-2.5	9.7	2.9	3.5
Q4	0.6	-2.7	-3.8	-3.5	0.8	-0.5	6.8	1.1	-0.4	5.7	1.5	-1.2
2023 Q1	0.1	-2.5	-11.5	-1.8	-3.2	-0.9	4.2	0.7	0.1	1.9	1.6	-0.9
<b>Contributions to growth</b>												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2020 Q3	-0.04	0.64	-0.02	0.41	0.18	0.07	-0.65	-9.84	-2.19	-1.30	-1.58	-4.72
Q4	-0.05	1.00	-	0.88	0.02	0.10	-0.32	-9.26	-2.93	-0.95	-1.02	-4.29
2021 Q1	-0.03	0.77	-0.05	0.64	0.13	0.08	-0.15	-8.47	-2.95	-0.60	-0.31	-5.19
Q2	0.08	3.11	-0.24	3.03	0.31	0.17	2.68	18.27	5.32	2.12	3.48	8.21
Q3	0.06	0.53	-0.04	0.56	-0.04	0.08	0.49	7.24	0.93	0.82	2.31	3.60
Q4	0.06	-0.21	-0.05	-0.16	-0.06	0.08	0.28	8.48	1.86	0.94	2.23	3.98
2022 Q1	0.06	-0.24	-	-0.21	-0.09	0.06	0.42	10.72	3.01	1.48	1.82	5.25
Q2	0.04	-0.38	0.15	-0.42	-0.16	0.05	0.29	4.50	0.45	1.11	1.48	1.66
Q3	0.01	-0.56	-0.04	-0.51	-0.01	0.01	0.41	2.63	-0.34	0.99	1.09	0.88
Q4	0.01	-0.36	-0.03	-0.33	0.01	-0.01	0.40	0.93	-0.03	0.61	0.59	-0.27
2023 Q1	-	-0.37	-0.14	-0.18	-0.07	-0.01	0.26	0.61	-0.02	0.24	0.58	-0.18

1 Estimates are accurate to 1 decimal place and contributions are available from 1997. Output data are available from 1990 in table B1

2 Contributions are to output gross value added and therefore may not sum to the percentage change in average GDP. More information on the difference between the 3 measures can be found in the Short Guide to National Accounts

3 For the most accurate figures on construction, please refer to the Construction output in Great Britain release

# AB Annex B - Growth and contributions to growth - expenditure components of GDP<sup>1,2</sup>

## Chained Volume Measures

Seasonally adjusted data

Reference year 2019

	Final consumption expenditure							Total exports	less Total imports	Net trade
	Households	Non-profit institutions <sup>3</sup>	General government	Gross capital formation	Gross fixed capital formation	Business investment				
<b>Percentage change, latest year on previous year</b>										
<b>Growth</b>										
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N		
2020	-12.9	-19.2	-7.3	-14.6	-10.5	-11.9	-12.1	-16.0		
2021	6.3	5.2	12.5	14.0	6.1	0.9	2.2	6.2		
2022	5.3	14.1	1.8	3.3	8.6	10.8	9.9	13.3		
<b>Contributions to growth</b>										
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U	
2020	-8.02	-0.45	-1.39	-2.67	-1.89	-1.19	-3.78	-5.28	1.50	
2021	3.62	0.12	2.82	2.41	1.06	0.09	0.66	1.79	-1.13	
2022	3.08	0.31	0.41	0.60	1.49	0.98	2.85	3.99	-1.14	
<b>Percentage change, latest quarter on previous quarter</b>										
<b>Growth</b>										
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O		
2020 Q3	19.1	18.3	18.2	46.5	15.7	11.0	-0.3	17.4		
Q4	-1.5	2.9	3.8	23.1	3.2	2.8	6.0	15.0		
2021 Q1	-3.4	-9.0	-0.1	-3.4	-1.6	-5.2	-4.2	-10.0		
Q2	10.2	16.0	7.7	-10.6	4.0	6.4	6.4	3.1		
Q3	2.9	2.3	0.4	12.3	0.9	2.2	-3.9	4.4		
Q4	0.2	0.6	1.3	-7.8	-0.4	-2.7	12.8	4.1		
2022 Q1	1.2	5.7	-0.4	24.2	8.6	8.2	-7.3	8.2		
Q2	0.2	2.5	-1.7	-5.9	-2.3	2.5	5.1	0.5		
Q3	-0.3	1.2	0.8	-21.1	1.1	0.1	10.5	-3.1		
Q4	0.2	0.6	0.5	1.6	0.3	-0.2	-1.4	-0.2		
2023 Q1	-	-1.4	-1.8	9.5	2.4	3.3	-6.9	-3.8		
<b>Contributions to growth</b>										
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U	
2020 Q3	11.47	0.37	3.59	6.44	2.87	1.12	-0.11	5.15	-5.26	
Q4	-0.91	0.06	0.77	4.01	0.59	0.27	1.75	4.46	-2.71	
2021 Q1	-1.92	-0.21	-0.03	-0.71	-0.29	-0.49	-1.21	-3.14	1.93	
Q2	5.62	0.34	1.81	-2.15	0.71	0.57	1.78	0.88	0.90	
Q3	1.65	0.05	0.10	2.10	0.16	0.20	-1.09	1.22	-2.31	
Q4	0.12	0.01	0.30	-1.47	-0.07	-0.25	3.37	1.16	2.20	
2022 Q1	0.72	0.13	-0.08	4.13	1.45	0.72	-2.21	2.52	-4.73	
Q2	0.13	0.06	-0.37	-1.26	-0.42	0.24	1.43	0.17	1.26	
Q3	-0.18	0.03	0.16	-4.20	0.20	0.01	3.08	-1.03	4.11	
Q4	0.13	0.01	0.11	0.26	0.05	-0.02	-0.45	-0.06	-0.38	
2023 Q1	0.02	-0.03	-0.38	1.57	0.44	0.31	-2.38	-1.34	-1.04	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>										
<b>Growth</b>										
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P		
2020 Q3	-11.1	-20.6	-5.5	-11.6	-10.3	-13.7	-17.6	-17.5		
Q4	-12.2	-14.5	-3.0	23.5	-6.5	-12.0	-16.0	-2.5		
2021 Q1	-12.6	-19.6	0.3	10.6	-4.4	-14.2	-11.5	-7.4		
Q2	24.9	28.4	31.9	55.7	22.3	15.1	7.7	25.3		
Q3	7.9	11.1	12.1	19.4	6.6	6.0	3.8	11.4		
Q4	9.7	8.7	9.3	-10.6	2.8	0.3	10.5	0.8		
2022 Q1	15.0	26.3	9.1	14.9	13.5	14.5	6.9	21.2		
Q2	4.6	11.5	-0.4	20.9	6.6	10.3	5.6	18.2		
Q3	1.3	10.2	-0.1	-15.1	6.8	8.0	21.5	9.7		
Q4	1.4	10.2	-0.8	-6.4	7.6	10.8	6.2	5.2		
2023 Q1	0.2	2.8	-2.2	-17.4	1.5	5.8	6.6	-6.5		
<b>Contributions to growth</b>										
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D	
2020 Q3	-6.84	-0.48	-1.05	-2.05	-1.86	-1.38	-5.57	-5.67	0.09	
Q4	-7.50	-0.33	-0.57	3.65	-1.16	-1.21	-5.24	-0.77	-4.46	
2021 Q1	-7.36	-0.47	0.06	1.79	-0.74	-1.38	-3.34	-2.12	-1.22	
Q2	14.16	0.63	7.17	7.59	3.89	1.47	2.48	6.96	-4.48	
Q3	4.58	0.25	2.75	3.31	1.14	0.56	1.05	3.15	-2.10	
Q4	5.51	0.20	2.18	-2.20	0.50	0.03	3.01	0.26	2.75	
2022 Q1	8.50	0.53	2.04	3.04	2.41	1.32	1.99	6.40	-4.41	
Q2	2.70	0.25	-0.09	3.57	1.15	0.94	1.62	5.32	-3.70	
Q3	0.79	0.23	-0.01	-2.84	1.18	0.73	5.85	2.91	2.93	
Q4	0.79	0.22	-0.18	-1.09	1.28	0.95	1.87	1.59	0.28	
2023 Q1	0.10	0.06	-0.48	-3.80	0.27	0.54	1.98	-2.37	4.35	

1 Estimates are accurate to 1 decimal place and contributions are available from 1997. Expenditure data are available from 1948 annually and 1955 quarterly in table C2

2 This table does not include the contribution from the statistical discrepancy and components may not sum to the percentage change in average GDP. Chained volume measure data for this component are available in table C2

3 Non-profit institutions serving households

# AC Annex C - Growth and contributions to growth - income components of GDP<sup>1,2</sup>

## Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations <sup>3</sup>	Other income <sup>4</sup>	Taxes on products & production less subsidies
<b>Percentage change, latest year on previous year</b>				
<b>Growth</b>				
	KGI3	KH4V	KH6T	KH65
2020	0.4	-0.1	-	-50.1
2021	6.0	2.9	3.0	58.3
2022	7.5	8.4	8.4	35.1
<b>Contributions to growth</b>				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2020	0.21	-0.02	-	-5.99
2021	3.11	0.67	0.57	3.64
2022	3.82	1.84	1.52	3.22
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Growth</b>				
	KGI4	KH4W	KH6U	KH66
2020 Q3	2.5	11.1	0.4	-904.0
Q4	2.6	-6.2	0.8	16.3
2021 Q1	-	0.8	1.4	-10.9
Q2	2.8	5.5	0.5	31.4
Q3	2.0	-1.9	0.6	25.9
Q4	1.7	1.3	1.6	15.2
2022 Q1	2.1	2.7	3.2	3.2
Q2	1.4	2.8	1.3	3.4
Q3	1.6	-0.3	2.6	2.3
Q4	1.6	8.5	3.9	-10.9
2023 Q1	1.4	5.1	4.0	-13.9
<b>Contributions to growth</b>				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2020 Q3	1.39	2.68	0.08	8.15
Q4	1.27	-1.44	0.14	1.02
2021 Q1	0.01	0.16	0.23	-0.74
Q2	1.43	1.22	0.09	2.07
Q3	1.05	-0.42	0.12	2.17
Q4	0.88	0.29	0.29	1.57
2022 Q1	1.06	0.57	0.58	0.37
Q2	0.73	0.61	0.24	0.40
Q3	0.76	-0.05	0.45	0.26
Q4	0.80	1.82	0.71	-1.30
2023 Q1	0.74	1.19	0.75	-1.46
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>				
<b>Growth</b>				
	KGI5	KH4X	KH6V	KH67
2020 Q3	-0.5	3.7	-	-48.4
Q4	2.5	-6.1	-0.6	-39.9
2021 Q1	1.8	-1.9	1.7	-42.7
Q2	8.0	10.8	3.0	-1 195.0
Q3	7.6	-2.1	3.3	71.5
Q4	6.7	5.8	4.1	69.8
2022 Q1	8.9	7.7	6.0	96.8
Q2	7.4	5.0	7.0	54.8
Q3	7.0	6.7	9.1	25.8
Q4	6.8	14.3	11.6	-2.7
2023 Q1	6.2	17.0	12.4	-18.8
<b>Contributions to growth</b>				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2020 Q3	-0.24	0.81	0.01	-5.78
Q4	1.19	-1.34	-0.11	-4.63
2021 Q1	0.88	-0.42	0.31	-4.70
Q2	4.51	2.61	0.63	10.76
Q3	3.87	-0.50	0.61	4.61
Q4	3.44	1.27	0.76	5.15
2022 Q1	4.61	1.73	1.14	6.40
Q2	3.83	1.13	1.27	4.59
Q3	3.53	1.44	1.61	2.62
Q4	3.44	3.03	2.04	-0.31
2023 Q1	3.08	3.61	2.20	-2.17

1 Estimates are accurate to 1 decimal place and contributions are available from 1997. Income data are available from 1948 annually and 1955 quarterly in table D

2 This table does not include the contribution from the statistical discrepancy and components may not sum to the percentage change in average GDP. Current price data for this component are available in table D

3 Includes the operating surplus of financial corporations, private non-financial corporations and public corporations

4 Includes mixed income and the operating surplus of the non-corporate sector

# AD Annex D - Implied GDP deflator growths- Expenditure components of GDP<sup>1</sup>

Seasonally adjusted data

Reference year 2019

	Final consumption expenditure						less Total imports
	House- holds	Non-prof- it instit- utions <sup>2</sup>	General govern- ment	Gross capital formation	Gross fixed capital formation	Total exports	
<b>Percentage change, latest year on previous year</b>							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
2020	0.5	14.4	20.4	4.2	1.4	0.3	-1.4
2021	2.8	-3.4	-5.0	0.1	1.4	3.8	5.5
2022	8.5	-6.8	1.4	9.0	5.8	13.4	16.7
<b>Percentage change, latest quarter on previous quarter</b>							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2020 Q3	0.6	-13.5	-15.4	-1.8	-0.7	1.0	0.3
Q4	-	-1.5	-1.7	0.6	-0.1	0.7	1.3
2021 Q1	0.8	7.3	4.2	-2.6	-0.2	0.8	1.7
Q2	0.7	-9.9	-9.2	-0.2	0.5	1.0	0.5
Q3	1.3	0.8	-0.2	3.5	2.6	1.1	2.4
Q4	1.6	1.0	-0.1	3.7	0.5	3.5	4.8
2022 Q1	2.0	-4.9	4.7	0.9	1.2	3.6	4.4
Q2	3.5	-1.4	-2.4	3.4	2.6	5.1	5.3
Q3	2.1	0.3	2.2	3.9	1.1	3.2	6.0
Q4	2.3	0.3	-0.1	-3.2	0.7	1.2	-1.6
2023 Q1	1.3	2.1	1.2	-0.4	0.7	0.1	-
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2020 Q3	0.5	12.0	19.3	2.8	0.8	-0.7	-3.4
Q4	0.2	8.7	16.5	3.4	0.2	0.8	0.1
2021 Q1	1.4	10.3	17.8	-2.0	-0.5	1.0	2.2
Q2	2.2	-17.6	-21.4	-3.9	-0.4	3.6	3.8
Q3	2.9	-3.9	-7.2	1.3	2.8	3.6	6.0
Q4	4.4	-1.4	-5.7	4.5	3.4	6.5	9.7
2022 Q1	5.6	-12.7	-5.2	8.2	4.9	9.4	12.6
Q2	8.6	-4.5	1.9	12.0	7.1	13.8	18.1
Q3	9.5	-5.0	4.4	12.4	5.6	16.2	22.2
Q4	10.3	-5.7	4.4	4.9	5.7	13.6	14.7
2023 Q1	9.5	1.2	0.9	3.5	5.2	9.9	9.9

1 Estimates are accurate to 1 decimal place and are available from 1997.

Current price and chained volume measure data are available from 1948 annually and 1955 quarterly in tables C1 and C2 respectively

2 Non-profit institutions serving households

# AE Annex E - Output components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Chained Volume Measures

Seasonally adjusted data

Reference year 2019

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction	Total Services	Distrib- ution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
<b>Percentage change, latest year on previous year</b>												
<b>Current estimates<sup>3</sup></b>												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2020	-3.5	1.2	-3.2	0.1	9.1	4.8	-13.5	-12.4	-23.3	-12.5	-3.2	-19.8
2021	5.8	7.3	-11.7	9.7	5.1	7.8	13.1	7.0	8.7	7.4	4.8	10.3
2022	3.5	-2.8	2.1	-3.7	-3.6	2.0	6.2	5.5	5.3	10.0	3.0	7.4
<b>Previous estimates<sup>2</sup></b>												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2020	-3.5	1.2	-3.2	0.1	9.1	4.8	-13.5	-12.4	-23.3	-12.5	-3.2	-19.8
2021	5.8	7.3	-11.7	9.7	5.1	7.8	13.1	7.0	8.7	7.4	4.8	10.3
2022	3.5	-2.8	2.1	-3.7	-3.6	2.0	6.2	5.5	5.3	10.0	3.0	7.4
<b>Revisions</b>												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2020	-	-	-	-	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-	-	-	-	-
<b>Percentage change, latest quarter on previous quarter</b>												
<b>Current estimates<sup>3</sup></b>												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2020 Q3	5.2	18.1	-2.9	24.3	9.8	6.1	41.9	15.0	47.4	14.3	3.3	24.4
Q4	0.5	4.1	-1.8	5.9	-1.8	2.3	5.1	0.6	-9.2	2.3	2.0	3.2
2021 Q1	2.1	-	-4.9	-0.7	5.2	2.7	1.1	-1.7	-7.8	-0.1	2.1	-5.5
Q2	2.3	0.3	-18.8	1.3	4.4	0.5	3.8	7.7	22.0	3.7	1.2	14.8
Q3	3.7	-0.4	24.4	-0.9	-9.5	0.9	-1.6	2.4	4.9	2.0	0.9	3.9
Q4	0.2	-1.4	-3.4	-1.3	-3.5	2.0	1.4	2.1	-1.8	3.6	1.7	4.4
2022 Q1	0.6	-0.1	2.8	-1.1	4.1	0.7	2.9	0.5	-0.3	4.1	0.3	-0.9
Q2	0.6	-0.9	-3.0	-1.0	0.3	0.2	1.9	0.4	0.5	0.6	0.9	-0.6
Q3	-0.1	-1.8	-1.1	-1.9	-1.5	-2.1	0.6	0.2	-0.9	1.1	-	0.6
Q4	-0.5	-	-2.4	0.5	-2.1	0.7	1.3	0.1	0.3	-0.2	0.3	-0.4
2023 Q1	-	0.1	-5.4	0.6	-	0.3	0.4	0.1	0.1	0.4	0.5	-0.5
<b>Previous estimates<sup>2</sup></b>												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2020 Q3	5.2	18.1	-2.9	24.3	9.8	6.1	41.9	15.0	47.4	14.3	3.3	24.4
Q4	0.5	4.1	-1.8	5.9	-1.8	2.3	5.1	0.6	-9.2	2.3	2.0	3.2
2021 Q1	2.1	-	-4.9	-0.7	5.2	2.7	1.1	-1.7	-7.8	-0.1	2.1	-5.5
Q2	2.3	0.3	-18.8	1.3	4.4	0.5	3.8	7.7	22.0	3.7	1.2	14.8
Q3	3.7	-0.4	24.4	-0.9	-9.5	0.9	-1.6	2.4	4.9	2.0	0.9	3.9
Q4	0.2	-1.4	-3.4	-1.3	-3.5	2.0	1.4	2.1	-1.8	3.6	1.7	4.4
2022 Q1	0.6	-0.1	2.8	-1.1	4.1	0.7	2.9	0.5	-0.3	4.1	0.3	-0.9
Q2	0.6	-0.9	-3.0	-1.0	0.3	0.2	1.9	0.4	0.5	0.6	0.9	-0.6
Q3	-0.1	-1.8	-1.1	-1.9	-1.5	-2.1	0.6	0.2	-0.9	1.1	-	0.6
Q4	-0.5	-	-2.4	0.5	-2.1	0.7	1.3	0.1	0.3	-0.2	0.3	-0.4
2023 Q1	0.1	0.1	-5.0	0.5	-	0.1	0.7	0.1	0.2	0.5	0.4	-0.3
<b>Revisions</b>												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2020 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2021 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2022 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2023 Q1	-0.1	-	-0.4	0.1	-	0.2	-0.3	-	-0.1	-0.1	0.1	-0.2

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Output data are available from 1990 in table B1

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Current estimate refers to the estimates released within this publication (Quarterly National Accounts)



# AE Annex E - Output components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Chained Volume Measures

continued

Seasonally adjusted data

Reference year 2019

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Const- ruction	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
<b>Percentage growths, latest quarter on corresponding quarter of previous year</b>												
<b>Current estimates<sup>3</sup></b>												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2020 Q3	-5.8	4.7	-2.0	4.2	12.1	5.8	-10.4	-12.4	-16.4	-12.6	-4.8	-21.3
Q4	-6.8	7.3	0.4	9.0	1.0	8.3	-5.2	-11.7	-22.4	-9.4	-3.2	-19.3
2021 Q1	-4.1	6.3	-7.0	7.1	9.4	6.9	-2.6	-10.4	-22.1	-6.1	-1.4	-20.0
Q2	10.5	23.3	-26.4	32.4	18.5	11.9	56.5	22.5	50.5	21.1	8.9	39.4
Q3	8.9	3.9	-5.7	5.6	-2.3	6.4	8.5	9.1	7.1	8.1	6.3	16.3
Q4	8.6	-1.5	-7.2	-1.5	-4.1	6.2	4.7	10.7	15.8	9.5	6.0	17.7
2022 Q1	7.0	-1.6	0.3	-2.0	-5.0	4.1	6.6	13.1	25.2	14.1	4.1	23.3
Q2	5.2	-2.7	19.8	-4.2	-8.7	3.8	4.6	5.5	3.2	10.7	3.8	6.8
Q3	1.4	-4.1	-4.8	-5.2	-0.7	0.7	6.9	3.2	-2.5	9.7	2.9	3.5
Q4	0.6	-2.7	-3.8	-3.5	0.8	-0.5	6.8	1.1	-0.4	5.7	1.5	-1.2
2023 Q1	0.1	-2.5	-11.5	-1.8	-3.2	-0.9	4.2	0.7	0.1	1.9	1.6	-0.9
<b>Previous estimates<sup>2</sup></b>												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
2020 Q3	-5.8	4.7	-2.0	4.2	12.1	5.8	-10.4	-12.4	-16.4	-12.6	-4.8	-21.3
Q4	-6.8	7.3	0.4	9.0	1.0	8.3	-5.2	-11.7	-22.4	-9.4	-3.2	-19.3
2021 Q1	-4.1	6.3	-7.0	7.1	9.4	6.9	-2.6	-10.4	-22.1	-6.1	-1.4	-20.0
Q2	10.5	23.3	-26.4	32.4	18.5	11.9	56.5	22.5	50.5	21.1	8.9	39.4
Q3	8.9	3.9	-5.7	5.6	-2.3	6.4	8.5	9.1	7.1	8.1	6.3	16.3
Q4	8.6	-1.5	-7.2	-1.5	-4.1	6.2	4.7	10.7	15.8	9.5	6.0	17.7
2022 Q1	7.0	-1.6	0.3	-2.0	-5.0	4.1	6.6	13.1	25.2	14.1	4.1	23.3
Q2	5.2	-2.7	19.8	-4.2	-8.7	3.8	4.6	5.5	3.2	10.7	3.8	6.8
Q3	1.4	-4.1	-4.8	-5.2	-0.7	0.7	6.9	3.2	-2.5	9.7	2.9	3.5
Q4	0.6	-2.7	-3.8	-3.5	0.8	-0.5	6.8	1.1	-0.4	5.7	1.5	-1.2
2023 Q1	0.1	-2.6	-11.1	-1.9	-3.2	-1.1	4.5	0.7	0.2	2.0	1.5	-0.7
<b>Revisions</b>												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2020 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2021 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2022 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2023 Q1	-	0.1	-0.4	0.1	-	0.2	-0.3	-	-0.1	-0.1	0.1	-0.2

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Output data are available from 1990 in table B1

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Current estimate refers to the estimates released within this publication (Quarterly National Accounts)

# AF Annex F - Expenditure components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Chained Volume Measures

Seasonally adjusted data

Reference year 2019

	Final consumption expenditure							less Total imports
	Households	Non-profit institutions <sup>3, 5</sup>	General government	Gross Capital Formation	Gross Fixed Capital Formation	Business investment	Total exports	
<b>Percentage change, latest year on previous year</b>								
<b>Current estimates<sup>4</sup></b>								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2020	-12.9	-19.2	-7.3	-14.6	-10.5	-11.9	-12.1	-16.0
2021	6.3	5.2	12.5	14.0	6.1	0.9	2.2	6.2
2022	5.3	14.1	1.8	3.3	8.6	10.8	9.9	13.3
<b>Previous estimates<sup>2</sup></b>								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2020	-12.9	-19.2	-7.3	-14.6	-10.5	-11.9	-12.1	-16.0
2021	6.3	5.2	12.5	14.0	6.1	0.9	2.2	6.2
2022	5.3	14.1	1.8	3.3	8.6	10.8	9.9	13.3
<b>Revisions</b>								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2020	-	-	-	-	-	-	-	-
2021	-	-	-	-	-	-	-	-
2022	-	-	-	-	-	-	-	-
<b>Percentage change, latest quarter on previous quarter</b>								
<b>Current estimates<sup>4</sup></b>								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2020 Q3	19.1	18.3	18.2	46.5	15.7	11.0	-0.3	17.4
Q4	-1.5	2.9	3.8	23.1	3.2	2.8	6.0	15.0
2021 Q1	-3.4	-9.0	-0.1	-3.4	-1.6	-5.2	-4.2	-10.0
Q2	10.2	16.0	7.7	-10.6	4.0	6.4	6.4	3.1
Q3	2.9	2.3	0.4	12.3	0.9	2.2	-3.9	4.4
Q4	0.2	0.6	1.3	-7.8	-0.4	-2.7	12.8	4.1
2022 Q1	1.2	5.7	-0.4	24.2	8.6	8.2	-7.3	8.2
Q2	0.2	2.5	-1.7	-5.9	-2.3	2.5	5.1	0.5
Q3	-0.3	1.2	0.8	-21.1	1.1	0.1	10.5	-3.1
Q4	0.2	0.6	0.5	1.6	0.3	-0.2	-1.4	-0.2
2023 Q1	-	-1.4	-1.8	9.5	2.4	3.3	-6.9	-3.8
<b>Previous estimates<sup>2</sup></b>								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2020 Q3	19.1	18.3	18.2	46.5	15.7	11.0	-0.3	17.4
Q4	-1.5	2.9	3.8	23.1	3.2	2.8	6.0	15.0
2021 Q1	-3.4	-9.0	-0.1	-3.4	-1.6	-5.2	-4.2	-10.0
Q2	10.2	16.0	7.7	-10.6	4.0	6.4	6.4	3.1
Q3	2.9	2.3	0.4	12.3	0.9	2.2	-3.9	4.4
Q4	0.2	0.6	1.3	-7.8	-0.4	-2.7	12.8	4.1
2022 Q1	1.2	5.7	-0.4	24.2	8.6	8.2	-7.3	8.2
Q2	0.2	2.5	-1.7	-5.9	-2.3	2.5	5.1	0.5
Q3	-0.3	1.2	0.8	-21.1	1.1	0.1	10.5	-3.1
Q4	0.2	0.6	0.5	1.6	0.3	-0.2	-1.4	-0.2
2023 Q1	-	0.1	-2.5	5.4	1.3	0.7	-8.1	-7.2
<b>Revisions</b>								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2020 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2021 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2022 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2023 Q1	-	-1.5	0.7	4.1	1.1	2.6	1.2	3.4

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Expenditure data are available from 1948 annually and 1955 quarterly in table C2

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Non-profit institutions serving households

4 Current estimates refer to the estimates within this publication (Quarterly National Accounts)

5 There is a small difference between the gross operating surplus of the Non-profit Institutions Serving households (NPISH) sector in the Table 6.3.3 of the UK Economic Accounts dataset, compared with the consumption of fixed capital for the NPISH sector published in the GDP release. This difference has been addressed from 2021 Q1. Remaining differences will be corrected when revisions policy allows. The latest figures can be found in the UK Economic Accounts dataset.

# AF Annex F - Expenditure components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Chained Volume Measures

continued

Seasonally adjusted data

Reference year 2019

	Final consumption expenditure							less Total imports
	Households	Non-profit institutions <sup>3</sup>	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	
<b>Percentage change, latest quarter on corresponding quarter of the previous year</b>								
<b>Current estimates<sup>4</sup></b>								
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P
2020 Q3	-11.1	-20.6	-5.5	-11.6	-10.3	-13.7	-17.6	-17.5
Q4	-12.2	-14.5	-3.0	23.5	-6.5	-12.0	-16.0	-2.5
2021 Q1	-12.6	-19.6	0.3	10.6	-4.4	-14.2	-11.5	-7.4
Q2	24.9	28.4	31.9	55.7	22.3	15.1	7.7	25.3
Q3	7.9	11.1	12.1	19.4	6.6	6.0	3.8	11.4
Q4	9.7	8.7	9.3	-10.6	2.8	0.3	10.5	0.8
2022 Q1	15.0	26.3	9.1	14.9	13.5	14.5	6.9	21.2
Q2	4.6	11.5	-0.4	20.9	6.6	10.3	5.6	18.2
Q3	1.3	10.2	-0.1	-15.1	6.8	8.0	21.5	9.7
Q4	1.4	10.2	-0.8	-6.4	7.6	10.8	6.2	5.2
2023 Q1	0.2	2.8	-2.2	-17.4	1.5	5.8	6.6	-6.5
<b>Previous estimates<sup>2</sup></b>								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2020 Q3	-11.1	-20.6	-5.5	-11.6	-10.3	-13.7	-17.6	-17.5
Q4	-12.2	-14.5	-3.0	23.5	-6.5	-12.0	-16.0	-2.5
2021 Q1	-12.6	-19.6	0.3	10.6	-4.4	-14.2	-11.5	-7.4
Q2	24.9	28.4	31.9	55.7	22.3	15.1	7.7	25.3
Q3	7.9	11.1	12.1	19.4	6.6	6.0	3.8	11.4
Q4	9.7	8.7	9.3	-10.6	2.8	0.3	10.5	0.8
2022 Q1	15.0	26.3	9.1	14.9	13.5	14.5	6.9	21.2
Q2	4.6	11.5	-0.4	20.9	6.6	10.3	5.6	18.2
Q3	1.3	10.2	-0.1	-15.1	6.8	8.0	21.5	9.7
Q4	1.4	10.2	-0.8	-6.4	7.6	10.8	6.2	5.2
2023 Q1	0.2	4.3	-2.9	-20.5	0.4	3.2	5.2	-9.8
<b>Revisions</b>								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2020 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2021 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2022 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2023 Q1	-	-1.5	0.7	3.1	1.1	2.6	1.4	3.3

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Expenditure data are available from 1948 annually and 1955 quarterly in table C2

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Non-profit institutions serving households

4 Current estimates refer to the estimates within this publication (Quarterly National Accounts)

5 There is a small difference between the gross operating surplus of the Non-profit Institutions Serving households (NPISH) sector in the Table 6.3.3 of the UK Economic Accounts dataset, compared with the consumption of fixed capital for the NPISH sector published in the GDP release. This affects 2020Q1 onwards. The latest figures for the affected series can be found in the UK Economic Accounts dataset.

# AG Annex G - Income components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Current Prices

Seasonally adjusted data

	Compensation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
<b>Percentage change, latest year on previous year</b>				
<b>Current estimates<sup>3</sup></b>				
	KGI3	KH4V	KH6T	KH65
2020	0.4	-0.1	-	-50.1
2021	6.0	2.9	3.0	58.3
2022	7.5	8.4	8.4	35.1
<b>Previous estimates<sup>2</sup></b>				
	A2CT	A2CU	A2CV	A2CW
2020	0.4	-0.1	-	-50.1
2021	6.0	2.9	3.0	58.3
2022	7.5	8.4	8.4	35.1
<b>Revisions</b>				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2020	-	-	-	-
2021	-	-	-	-
2022	-	-	-	-
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Current estimates<sup>3</sup></b>				
	KGI4	KH4W	KH6U	KH66
2020 Q3	2.5	11.1	0.4	-904.0
Q4	2.6	-6.2	0.8	16.3
2021 Q1	-	0.8	1.4	-10.9
Q2	2.8	5.5	0.5	31.4
Q3	2.0	-1.9	0.6	25.9
Q4	1.7	1.3	1.6	15.2
2022 Q1	2.1	2.7	3.2	3.2
Q2	1.4	2.8	1.3	3.4
Q3	1.6	-0.3	2.6	2.3
Q4	1.6	8.5	3.9	-10.9
2023 Q1	1.4	5.1	4.0	-13.9
<b>Previous estimates<sup>2</sup></b>				
	A2CL	A2CM	A2CN	A2CO
2020 Q3	2.5	11.1	0.4	-904.0
Q4	2.6	-6.2	0.8	16.3
2021 Q1	-	0.8	1.4	-10.9
Q2	2.8	5.5	0.5	31.4
Q3	2.0	-1.9	0.6	25.9
Q4	1.7	1.3	1.6	15.2
2022 Q1	2.1	2.7	3.2	3.2
Q2	1.4	2.8	1.3	3.4
Q3	1.6	-0.3	2.6	2.3
Q4	1.6	8.5	3.9	-10.9
2023 Q1	0.6	10.8	3.0	-21.7
<b>Revisions</b>				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2020 Q3	-	-	-	-
Q4	-	-	-	-
2021 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2022 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2023 Q1	0.8	-5.7	1	7.8

1 Estimates are accurate to 1 decimal place, previous estimates and revisions are available from 1997. Income data are available from 1948 annually and 1955 quarterly in table D

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Current estimates refer to estimates within this publication (Quarterly National Accounts)

# AG Annex G - Income components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Current Prices

continued Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>				
<b>Current estimates<sup>3</sup></b>				
	KGI5	KH4X	KH6V	KH67
2020 Q3	-0.5	3.7	-	-48.4
Q4	2.5	-6.1	-0.6	-39.9
2021 Q1	1.8	-1.9	1.7	-42.7
Q2	8.0	10.8	3.0	-1 195.0
Q3	7.6	-2.1	3.3	71.5
Q4	6.7	5.8	4.1	69.8
2022 Q1	8.9	7.7	6.0	96.8
Q2	7.4	5.0	7.0	54.8
Q3	7.0	6.7	9.1	25.8
Q4	6.8	14.3	11.6	-2.7
2023 Q1	6.2	17.0	12.4	-18.8
<b>Previous estimates<sup>2</sup></b>				
	A2CP	A2CQ	A2CR	A2CS
2020 Q3	-0.5	3.7	-	-48.4
Q4	2.5	-6.1	-0.6	-39.9
2021 Q1	1.8	-1.9	1.7	-42.7
Q2	8.0	10.8	3.0	-1 195.0
Q3	7.6	-2.1	3.3	71.5
Q4	6.7	5.8	4.1	69.8
2022 Q1	8.9	7.7	6.0	96.8
Q2	7.4	5.0	7.0	54.8
Q3	7.0	6.7	9.1	25.8
Q4	6.8	14.3	11.6	-2.7
2023 Q1	5.2	23.3	11.3	-26.3
<b>Revisions</b>				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2020 Q3	-	-	-	-
Q4	-	-	-	-
2021 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2022 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2023 Q1	1	-6.3	1.1	7.5

1 Estimates accurate to 1 decimal place, previous estimates and revisions are available from 1997. Income data are available from 1948 annually and 1955 quarterly in table D

2 Previous estimate refers to estimates from the GDP first quarterly estimate

3 Current estimates refer to estimates within this publication (Quarterly National Accounts)