

Statistical bulletin

# GDP first quarterly estimate, UK: October to December 2021

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.



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# 1 . Main points

- UK gross domestic product (GDP) is estimated to have increased by 1.0% in Quarter 4 (Oct to Dec) 2021, following a downwardly revised 1.0% increase in Quarter 3 (July to Sept).
- In output terms, the largest contributors to this quarterly increase were from human health and social work activities driven by increased GP visits at the start of the quarter, and a large increase in coronavirus (COVID-19) testing and tracing activities and the extension of the vaccination programme.
- In Quarter 4 2021, excluding non-monetary gold in net trade, household consumption made the largest positive contribution to growth.
- The level of quarterly GDP in Quarter 4 2021 is now 0.4% below its pre-coronavirus level (Quarter 4 2019).
- [Monthly estimates](#) published today show that GDP fell by 0.2% in December 2021 but is at its pre-coronavirus level (February 2020).
- GDP increased by an estimated 7.5% in 2021, following a 9.4% fall in 2020.

GDP estimates for Quarter 4 2021 are subject to [more uncertainty than usual](#) as a result of the challenges we faced estimating GDP in the current conditions.

## 2 . Headline GDP figures

UK gross domestic product (GDP) is estimated to have increased by 1.0% in Quarter 4 (Oct to Dec) 2021 (Figure 1). Compared with the same quarter a year ago, GDP increased by 6.5%.

Following the large 9.4% fall in 2020 because of the initial impact of the coronavirus (COVID-19) pandemic and public health restrictions, UK GDP saw an annual rise of 7.5% in 2021.

[Monthly estimates](#) published today show that GDP fell by 0.2% in December 2021 with reports that the Omicron variant impacted certain industries, retailing and hospitality in particular. Despite the fall in December, monthly GDP is in line with its pre-coronavirus level, while the Quarter 4 estimate remains 0.4% below its pre-coronavirus levels.

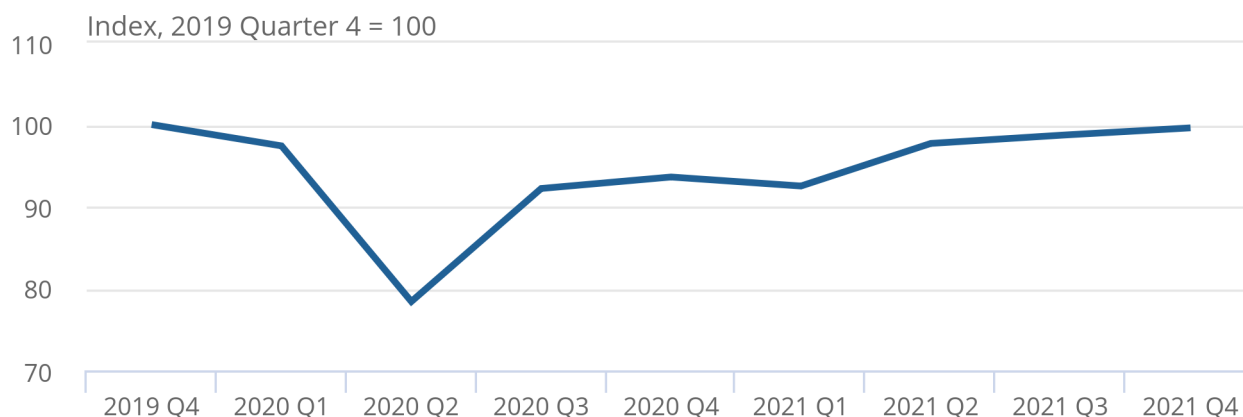
The Office for National Statistics (ONS) produces estimates of both monthly and quarterly GDP using separate methods and as such both estimates of GDP have slightly different pre-coronavirus levels (February 2020 for monthly GDP and Quarter 4 2019 for quarterly GDP). For more information, please see the [comparisons to pre-coronavirus pandemic levels between quarterly and monthly GDP estimates](#).

**Figure 1: Real GDP increased by 1.0% in Quarter 4 2021 and is 0.4% below its pre-coronavirus level**

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 4 (Oct to Dec) 2021

Figure 1: Real GDP increased by 1.0% in Quarter 4 2021 and is 0.4% below its pre-coronavirus level

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – GDP first quarterly estimate

**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 (Oct to Dec) 2019.
3. Please note, this release sees revisions for Quarter 1 to Quarter 3 2021 in line with the [National Accounts revision policy](#). For more information, see the [Revisions to GDP section](#).

Nominal GDP rose by 1.5% in Quarter 4 2021 and is 7.3% higher than the same quarter a year ago. It is now 4.9% above its Quarter 4 2019 levels.

The implied GDP deflator rose by 0.6% in Quarter 4 2021. Compared with the same quarter a year ago, the implied GDP deflator rose by 0.8%. This was mainly driven by the 3.6% increase in the implied price of household consumption, its highest rate since Quarter 3 (July to Sept) 2011. This deflator represents the broadest measure of inflation in the domestic economy, reflecting changes in the price of all goods and services that comprise GDP.

Table 1: Headline national accounts indicators for the UK

% growth<sup>1</sup>

	Chained volume measures				Current market prices		
	GDP	Household expenditure	Gross fixed capital formation	GDP per head <sup>3</sup>	GDP	Compensation of employees	GDP implied deflator
<b>Seasonally adjusted</b>							
<b>2020</b>	-9.4	-10.5	-9.4	-9.8	-4.6	2.9	5.4
<b>2021</b>	7.5	6.1	5.3	6.7	7.7	6.0	0.2
<b>2020 Q1</b>	-2.6	-2.7	-2.5	-2.7	-1.0	0.9	1.6
<b>2020 Q2</b>	-19.4	-20.0	-18.4	-19.5	-13.1	-2.6	7.9
<b>2020 Q3</b>	17.6	19.6	16.1	17.4	11.9	3.9	-4.9
<b>2020 Q4</b>	1.5	-1.6	3.7	1.3	1.6	2.6	0.1
<b>2021 Q1</b>	-1.2	-3.9	-1.7	-1.3	0.2	0.1	1.4
<b>2021 Q2</b>	5.6	8.8	2.1	5.5	4.0	2.2	-1.6
<b>2021 Q3</b>	1.0	2.9	-0.2	1.0	1.4	1.5	0.4
<b>2021 Q4</b>	1.0	1.2	2.2	0.9	1.5	0.8	0.6

Source: Office for National Statistics - GDP first quarterly estimate

## 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 25 June 2021.

Figure 2 shows the latest GDP performance for a selection of developed economies. The United States, France and Canada are above their pre-coronavirus level of GDP.

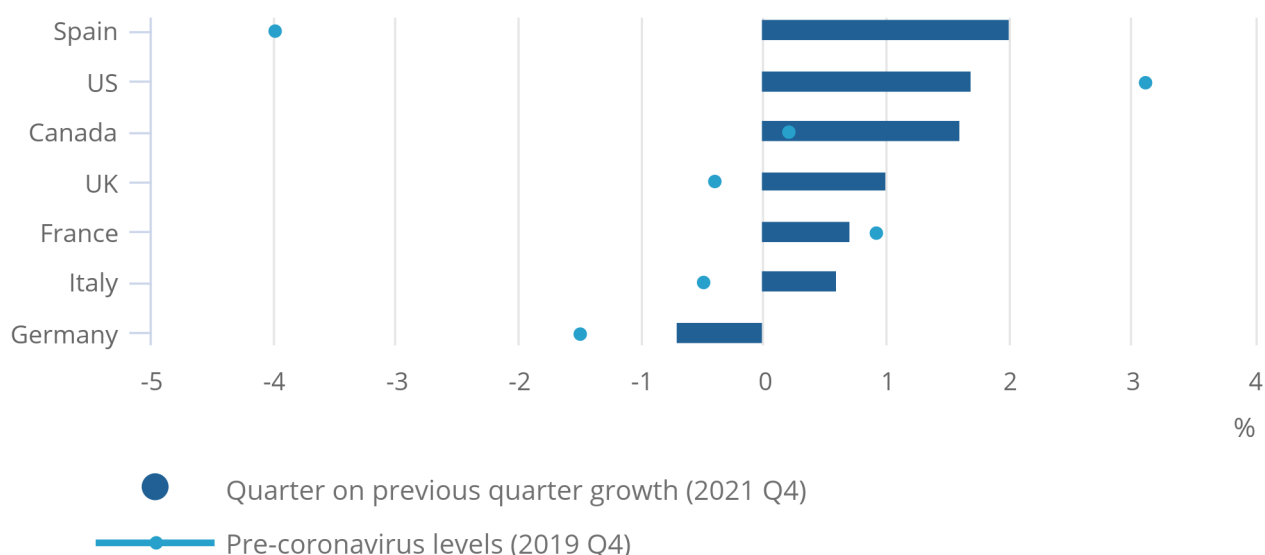
More information on the international comparability of GDP estimates can be found in the article [International comparisons of GDP during the coronavirus \(COVID-19\) pandemic](#).

**Figure 2: Almost all of the selected countries saw a rise in GDP in the fourth quarter of 2021**

Percentage change, real GDP, Quarter 4 (Oct to Dec) 2021; and real GDP Quarter 4 (Oct to Dec) 2021 relative to Quarter 4 (Oct to Dec) 2019

## Figure 2: Almost all of the selected countries saw a rise in GDP in the fourth quarter of 2021

Percentage change, real GDP, Quarter 4 (Oct to Dec) 2021; and real GDP Quarter 4 (Oct to Dec) 2021 relative to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – GDP first quarterly estimate, Organisation for Economic Co-operation and Development

### Notes:

1. Chart shows the percentage change in real GDP in Quarter 4 (Oct to Dec) 2021 compared with Quarter 3 (July to Sept) 2021 and pre-coronavirus Quarter 4 (Oct to Dec) 2019.
2. Data as of 4 February 2022. Quarter 4 2021 GDP estimates for Japan are not yet available.
3. Please note, the bars represent quarter on quarter growth, and the circles represent quarter on quarter growth relative to the pre-coronavirus 2019 Quarter 4.

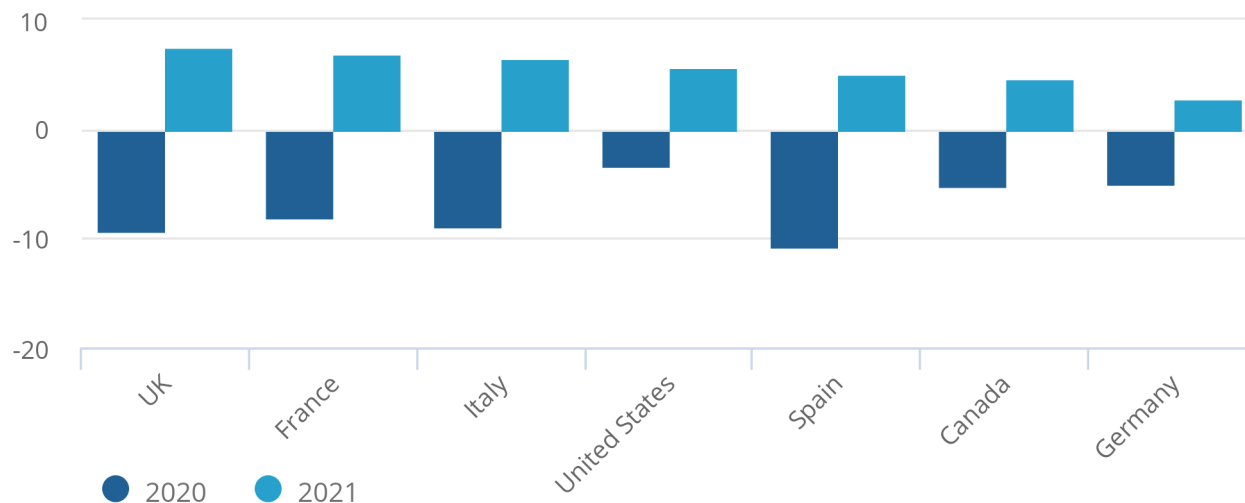
Figure 3 shows the 2020 and 2021 annual growth rate of selected developed economies. All selected economies experienced positive 2021 GDP growth rates, following negative 2020 GDP growth rates, because of the impact of the coronavirus pandemic.

**Figure 3: Comparison of selected countries annual growth rates for 2020 and 2021**

Percentage change, real GDP, annual growth 2020 and 2021

Figure 3: Comparison of selected countries annual growth rates for 2020 and 2021

Percentage change, real GDP, annual growth 2020 and 2021



Source: Office for National Statistics – GDP first quarterly estimate, Organisation for Economic Co-operation and Development

**Notes:**

1. Growth rates are percentage movement.
2. Data as of 4 February 2022. 2021 GDP estimates for Japan are not yet available.

**More about economy, business and jobs**

- All ONS analysis, summarised in our [economy, business and jobs roundup](#).
- Explore the latest trends in employment, prices and trade in our [economic dashboard](#).
- View [all economic data](#).

## 3 . Output

## Services

Services output rose by 1.2% in Quarter 4 (Oct to Dec) 2021 and is now 0.5% above pre-coronavirus (COVID-19) levels (Quarter 4 2019). There is evidence that the emergence of the Omicron COVID-19 variant weighed on services output in December 2021 as outlined in the [monthly bulletin](#).

There was a marked increase in output for human health and social work activities (4.5%) (Figure 4), primarily driven by a large increase in the [NHS Test and Trace and COVID-19 vaccination activities](#) (particularly in December), as well as increased non-COVID health activity at the start of the quarter. Growth in administrative and support activities (5.9%) was driven by higher activity from employment agencies, travel agents and office administration. The quarterly increase in transport and storage (7.3%) was driven by Black Friday event sales and online festive shopping leading to higher deliveries of goods.

The accommodation and food services, and wholesale and retail trade industries were both adversely impacted by the emergence of the Omicron variant towards the end of the quarter, as shown in the [monthly GDP bulletin](#). Almost half of businesses in accommodation and food services reported a rise in cancellations from customers in December in the [Business Insights and Conditions Survey](#). The [Retail Sales Index](#) showed a steep fall in December 2021 as shoppers avoided stores, with some customers bringing forward their festive shopping to November 2021.

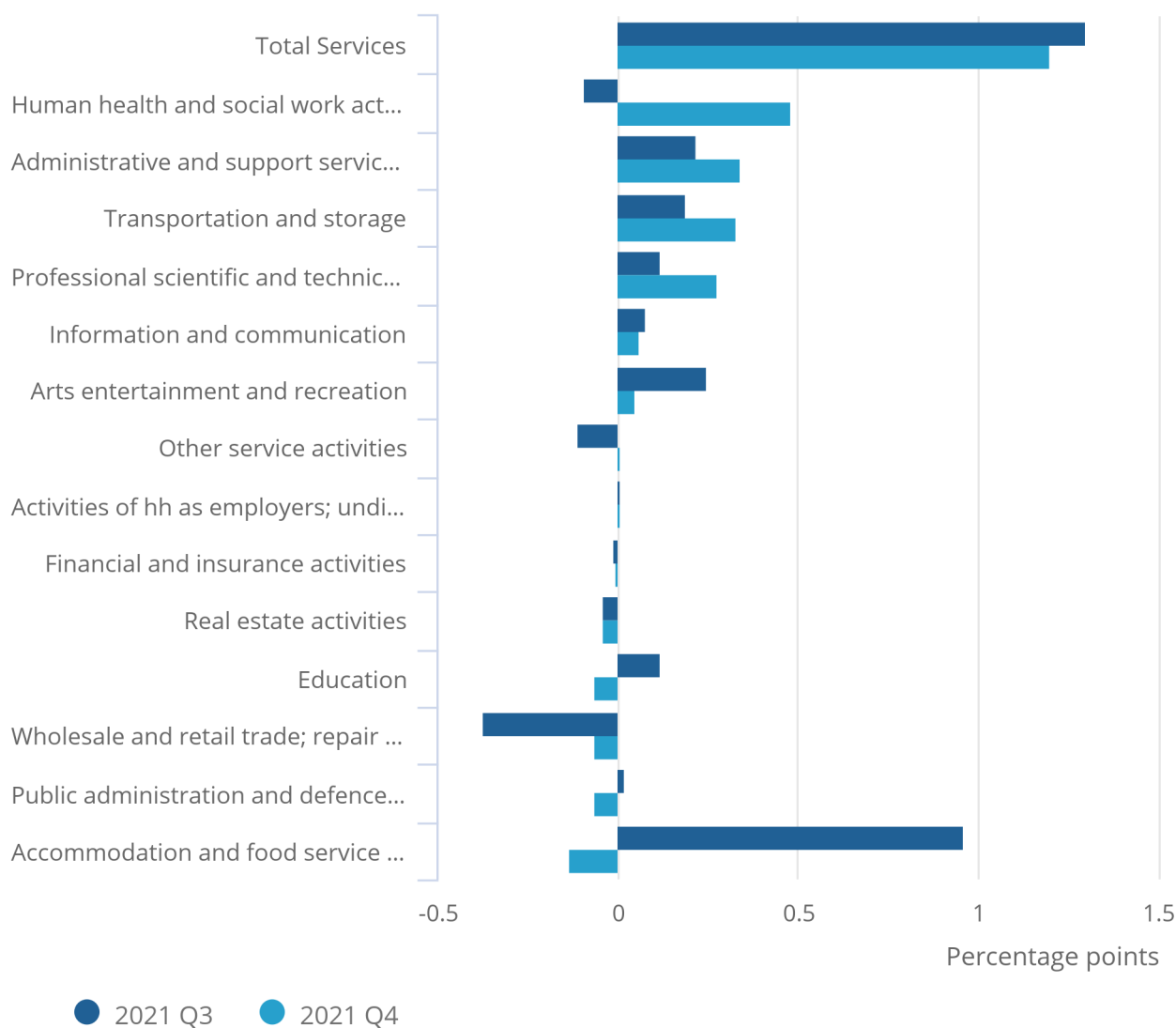


**Figure 4: Human health activities was the main contributor to the increase in services in Quarter 4 2021**

UK, contributions to services growth, Quarter 3 (July to Sept) to Quarter 4 (Oct to Dec) 2021

## Figure 4: Human health activities was the main contributor to the increase in services in Quarter 4 2021

UK, contributions to services growth, Quarter 3 (July to Sept) to Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – GDP first quarterly estimate

### Notes:

1. Chart shows contribution to services growth between Quarter 2 2021 (Apr to June) to Quarter 3 2021 (July to Sept), and Quarter 3 2021 to Quarter 4 (Oct to Dec) 2021.
2. Components contribution may not sum to total because of rounding.

## Production

Production output fell by 0.4% in Quarter 4 2021 and is now 3.6% below its pre-coronavirus levels. The fall in production output was because of a 3.2% fall in electricity, gas, steam and air conditioning supply (energy) and a 4.5% fall in mining and quarrying.

The fall in energy in Quarter 4 follows exceptionally high output levels in May 2021, mainly resulting from adverse weather conditions boosting demand for energy.

The fall in mining and quarrying output was driven by a fall in extraction of crude petroleum and natural gas, following volatile growth across the year because of planned maintenance of oil fields.

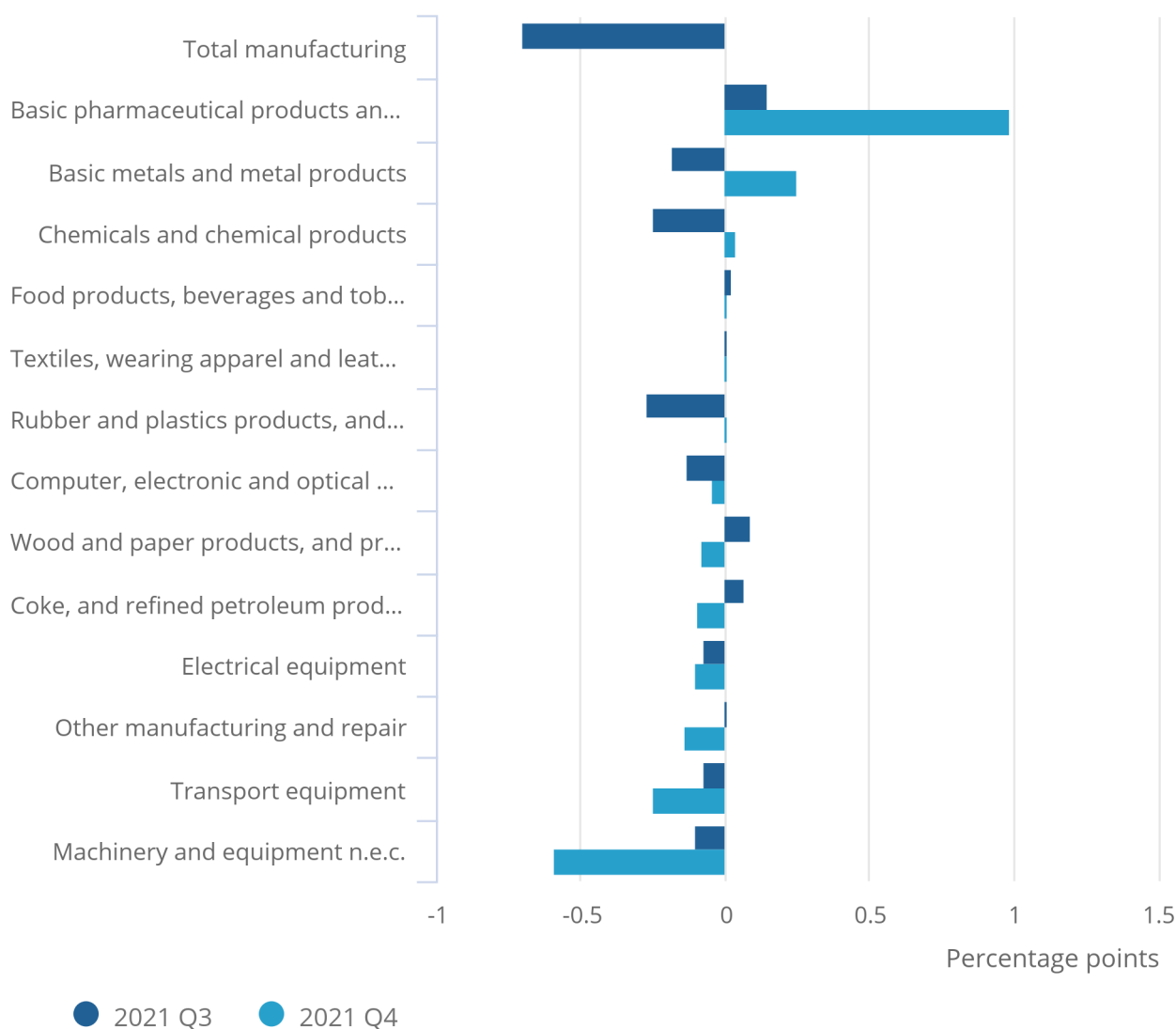
Manufacturing output was broadly flat in the fourth quarter. However, Figure 5 shows that there were offsetting contributions within the industry. There was a large increase in the manufacturing of pharmaceutical products and pharmaceutical preparations, while manufacturing of machinery and equipment saw the largest fall. Anecdotal evidence in the [October 2021 monthly GDP release](#) found that businesses in some industries, including manufacturing of machinery and equipment, reported difficulties in sourcing supplies, which have led to them producing less output, despite seeing an increase in orders.

**Figure 5: There were offsetting contributions across the manufacturing sub-sector, resulting in broadly flat growth in Quarter 4 2021**

UK, contributions to manufacturing growth, Quarter 3 (July to Sept) to Quarter 4 (Oct to Dec) 2021

## Figure 5: There were offsetting contributions across the manufacturing sub-sector, resulting in broadly flat growth in Quarter 4 2021

UK, contributions to manufacturing growth, Quarter 3 (July to Sept) to Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – GDP first quarterly estimate

### Notes:

1. Chart shows contribution to manufacturing growth between Quarter 2 2021 (Apr to June) to Quarter 3 2021 (July to Sept), and Quarter 3 2021 to Quarter 4 (Oct to Dec) 2021.
2. Components contribution may not sum to total because of rounding.

## Construction

Construction output increased by 1.0% in Quarter 4 2021, following a fall of 1.4% in the previous quarter. Similar increases in both new work, and repair and maintenance (1.1% and 0.8% respectively) contributed to the growth. Further detail can be found in [Construction output in Great Britain: December 2021, new orders and Construction Output Price Indices, October to December 2021](#). Survey responses reported that the industry faced a shortage of inputs and workers in this period.

## 4 . Expenditure

## Household consumption

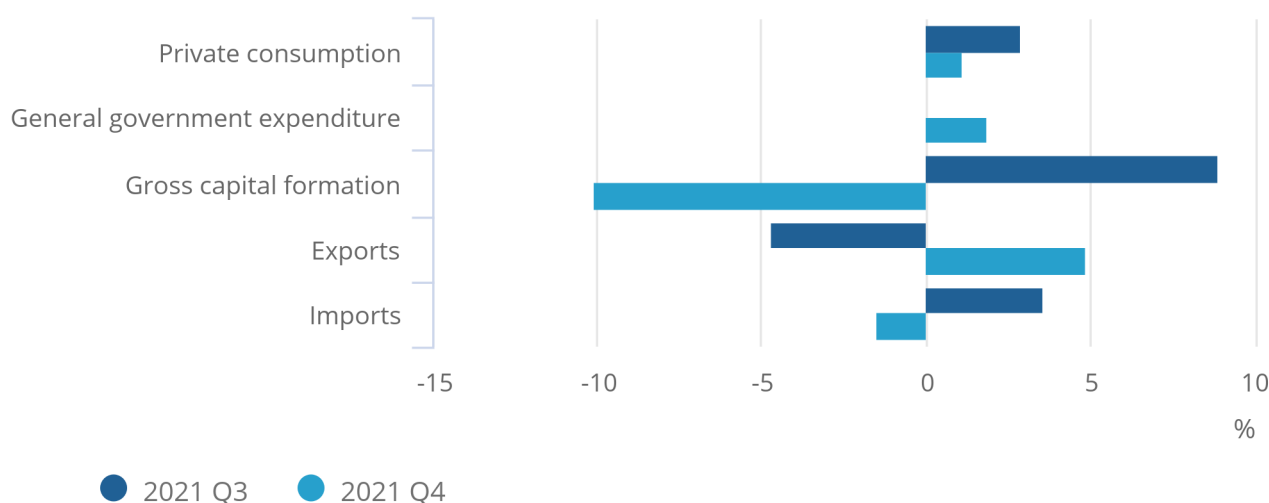
Within private consumption, household expenditure rose by 1.2% in Quarter 4 (Oct to Dec) 2021 (Figure 6) but remains 0.4% below pre-coronavirus (COVID-19) levels. The quarterly increase was driven by increased spending on transport, [net tourism](#), and clothing and footwear. These were partially offset by a fall in restaurants and hotels expenditure in Quarter 4, in part reflecting the emergence of the COVID-19 Omicron variant in late 2021 as well as the strong growth in Quarter 3 (July to Sept) 2021.

**Figure 6: Excluding non-monetary gold in net trade, household consumption had the largest positive contribution to growth in Quarter 4 2021**

UK, Breakdown of expenditure components quarter on quarter growth, Quarter 3 (July to Sept) 2021 and Quarter 4 (Oct to Dec) 2021

Figure 6: Excluding non-monetary gold in net trade, household consumption had the largest positive contribution to growth in Quarter 4 2021

UK, Breakdown of expenditure components quarter on quarter growth, Quarter 3 (July to Sept) 2021 and Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – GDP first quarterly estimate

### 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. Private consumption is household final consumption expenditure and non-profit institutions serving households.
3. Gross capital formation includes the alignment adjustment which is applied to the Change in Inventories component in the expenditure approach to measuring GDP.

## Consumption of government goods and services

In Quarter 4 2021, real government consumption increased by 1.9%, largely from a rise in health expenditure. The rise in health consumption was driven by increases in the [NHS Test and Trace and COVID-19 vaccination programmes](#). In particular in December 2021, there was a 51% increase in coronavirus testing output in England driven by an increase in both number of tests processed in laboratories and number of lateral flow devices dispatched, and a 19% increase in coronavirus vaccination output driven by the booster programme.

Within the quarter, there was also strong growth in October and November 2021 in non-COVID-19 health activity, with an increase in face-to-face appointments at GP surgeries and a continuation of the increased use of telephone consultations.

Education consumption fell by 1.0% in Quarter 4 and now remains 6.1% below its pre-coronavirus level. The fall in the latest quarter reflects a decrease in student attendance towards the end of Quarter 4.

## Gross capital formation

Gross fixed capital formation grew by 2.2% in Quarter 4 2021 but remains 1.8% below pre-coronavirus levels. There was an increase in dwellings investment, partly reflecting a rise in new housing orders following pent-up coronavirus demand. There was also an increase in government investment on the quarter.

Business investment rose by 0.9% in Quarter 4 2021 and is now 10.4% below its pre-coronavirus levels. Similar findings were reported by the [Bank of England](#) survey, which found that business investment was expected to have been 11% lower in Quarter 4 2021 than normal because of pandemic effects. There was an increase in capital expenditure on transport equipment in Quarter 4, reflecting spending on vehicles as new licence plates were released.

Our early estimates show that, excluding the alignment adjustment, there was an increase in inventories in Quarter 4, following a rise in the previous quarter (Table 2). This was driven by increases in wholesale and manufacturing. This was partly offset by retail with wider supply chain issues causing disruption. Other industries saw inventories fall with the motor trade sub-industry largely impacted by the shortage of semi-conductors.

Note that alignment and balancing adjustments are typically applied to the inventories component to help balance the different approaches to gross domestic product (GDP). More detail can be found in [Section 9: Quality and methodology](#). Therefore, the unadjusted data can provide a better understanding of the change in the inventory position of businesses in the whole economy.

Table 2: Change in inventories, including and excluding balancing and alignment adjustments  
UK, Quarter 1 (Jan to Mar) 2021 to Quarter 4 (Oct to Dec) 2021

	Change in Inventories	Of which alignment	Of which balancing	Change in Inventories excluding alignment and balancing
<b>2021 Q1 Current price</b>	828	805		23
<b>Chained volume measure</b>	2,774	756		2,018
<b>2021 Q2 Current price</b>	-1,461	-547		-914
<b>Chained volume measure</b>	-2,086	-522		-1,564
<b>2021 Q3 Current price</b>	1,730	1,846		-116
<b>Chained volume measure</b>	2,725	1,754		971
<b>2021 Q4 Current price</b>	-1,157	-2,104		947
<b>Chained volume measure</b>	-1,261	-1,988		727

Source: Office for National Statistics - GDP first quarterly estimate

### 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

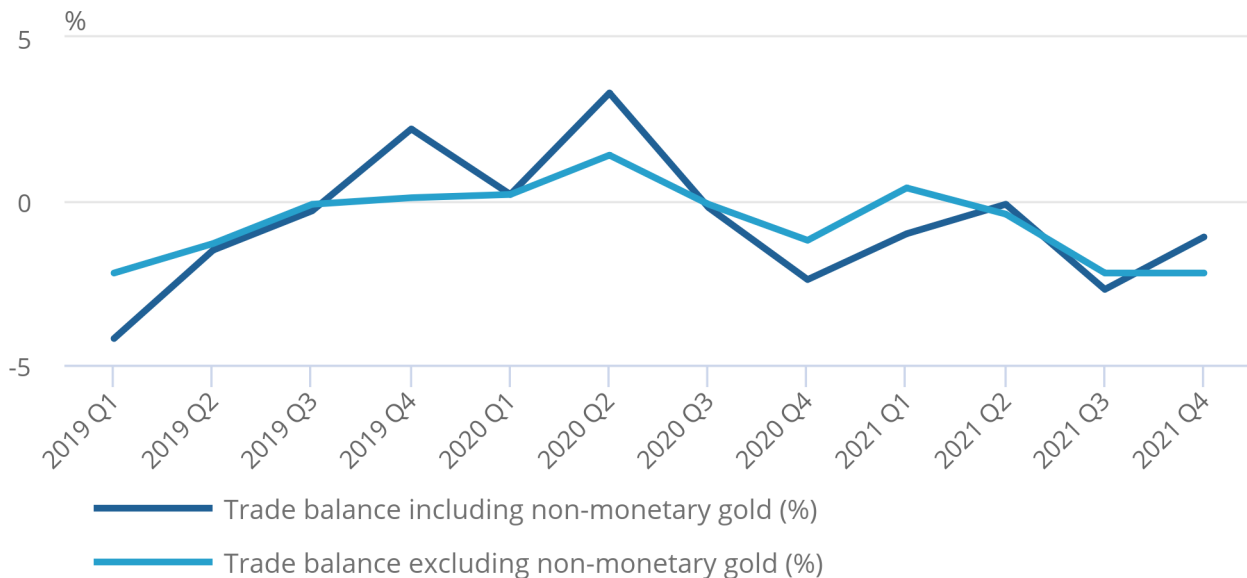
The UK's trade deficit for goods and services narrowed to 1.1% of GDP in Quarter 4 2021, although this largely reflects movements in non-monetary gold (Figure 7). Excluding non-monetary gold, the trade deficit remained at negative 2.2% of nominal GDP in Quarter 4.

**Figure 7: The UK's trade balance was negative 1.1% of nominal GDP in Quarter 4 2021**

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 4 (Oct to Dec) 2021

Figure 7: The UK's trade balance was negative 1.1% of nominal GDP in Quarter 4 2021

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – GDP first quarterly estimate

### Notes:

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

Total export volumes rose by 4.9% in Quarter 4 2021, driven by an 11.2% increase in the exports of goods, specifically fuels, chemicals, and machinery and transport equipment. Services exports, however, experienced a fall of 1.8%, driven by falls in telecommunications, financial services partially offset by rises in other business services, and insurance services.

Total import volumes fell by 1.5% in Quarter 4 2021. The fall in services imports by 3% was driven by falls in telecommunications, financial services, and manufacturing and maintenance. The fall in import goods by 1% was driven by unspecified goods, machinery and transport equipment, and crude materials.



## 5 . Income

Nominal gross domestic product (GDP) rose by 1.5% in Quarter 4 (Oct to Dec) 2021 and is 4.9% above its pre-coronavirus (COVID-19) pandemic levels. This rise was driven by an increase in all the main components of income (Figure 8).

Compensation of employees rose by 0.8% in Quarter 4 2021, mainly driven by increases in wages and salaries (1.5%). Employers' social contributions fell by 2.0%, driven by decreases in redundancy payments.

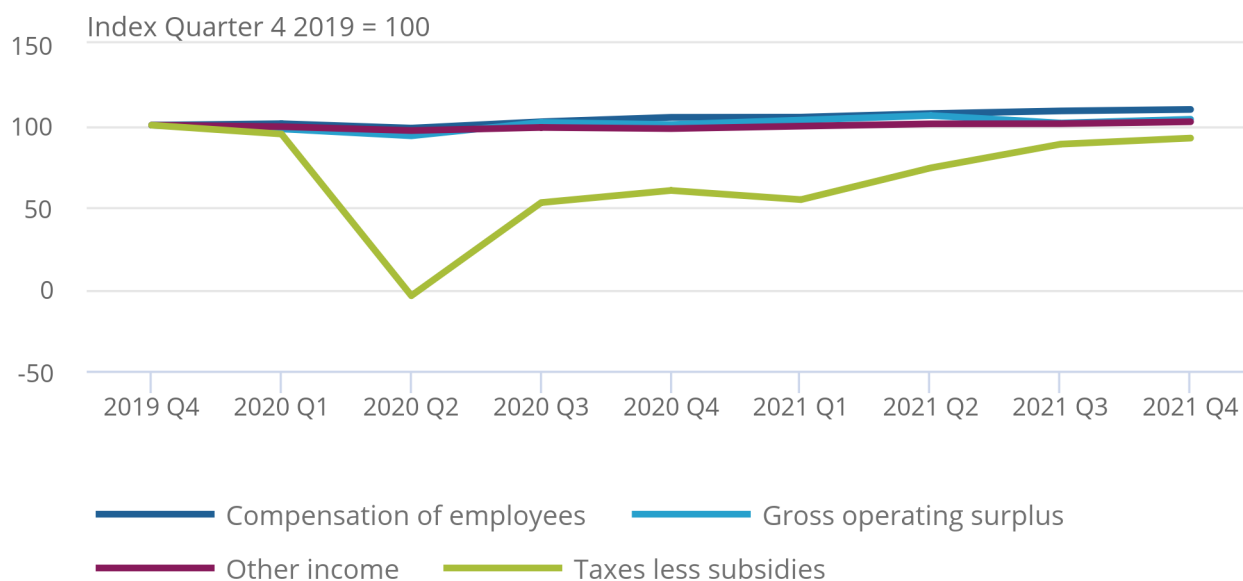
Elsewhere, there was a fall in subsidies, primarily driven by reduced payments through the Coronavirus Job Retention Scheme (CJRS) and residual Self-Employment Income Support Scheme (SEISS). Subsidies remain above pre-coronavirus levels, mainly because of transport, rail and Housing Equity Injection (HEI) subsidies. Taxes in Quarter 4 2021 fell on the quarter, driven by reductions in Value Added Tax (VAT) receipts and taxes on imports.

**Figure 8: Nominal GDP increased by 1.5% in Quarter 4 2021**

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 4 (Oct to Dec) 2021

Figure 8: Nominal GDP increased by 1.5% in Quarter 4 2021

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 4 (Oct to Dec) 2021



Source: Office for National Statistics – GDP first quarterly estimate

**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 (Oct to Dec) 2019.
3. Please note, the alignment adjustment is included in the gross operating surplus of nominal GDP.

Excluding the alignment adjustment, gross operating surplus (GOS) increased by 1.7% (Table 3). Note that alignment and balancing adjustments are typically applied to the GOS component to help balance the different approaches to GDP. More detail can be found in [Section 9: Quality and methodology](#).

Table 3: Gross operating surplus of corporations, including and excluding balancing and alignment adjustments  
UK, Quarter 1 (Jan to Mar) 2021 to Quarter 4 (Oct to Dec) 2021

	<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>2021 Q1</b>	128,408	1,349	127,059	0.6
<b>2021 Q2</b>	131,835	2,672	129,163	1.7
<b>2021 Q3</b>	126,163	-2,336	128,499	-0.5
<b>2021 Q4</b>	128,935	-1,685	130,620	1.7

Source: Office for National Statistics - GDP first quarterly estimate

#### 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) 2021 as part of this publication. The release includes the processing of annual data for 2021. In addition, there are also revisions in this release because of the replacement of forecasts with actual survey or external source data and new seasonal adjustment factors.

Table 4: Revisions to quarter-on-quarter growth for components of GDP  
Quarter 1 (Jan to Mar) 2021 to Quarter 3 (July to Sept) 2021, percentage points

	2021 Q1	2021 Q2	2021 Q3
<b>Average GDP in chained volume measures</b>	0.1	0.2	-0.1
<b>Output</b>			
<b>Production</b>	0	0.1	0.2
<b>Construction</b>	-0.3	-0.2	-0.4
<b>Services</b>	-0.1	0.1	-0.1
<b>Expenditure</b>			
<b>Households</b>	-0.2	0.6	0.2
<b>Non-profit institutions serving households</b>	1.5	-4.1	1.2
<b>General government</b>	-0.1	-0.6	0.5
<b>Gross fixed capital formation</b>	-0.6	-0.2	0.7
<b>Total exports</b>	0.3	0.3	-1.2
<b>Total imports</b>	-0.3	-0.5	2.5
<b>Average GDP in current prices</b>	-0.5	0.6	-0.2
<b>Income</b>			
<b>Compensation of employees</b>	-0.3	0.2	-0.1
<b>Gross operating surplus of corporations</b>	-1.4	3.6	-1
<b>Other income</b>	0	-0.2	0.2
<b>Taxes on products and production less subsidies</b>	1.7	-1.7	1.7
<b>GDP Implied deflator</b>	-0.6	0.3	-0.1

Source: Office for National Statistics - GDP first quarterly estimate

### 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 quarterly national accounts published 22 December 2021 and first quarterly estimate published 11 February 2022.
3. Please note, revisions are rounded to one decimal place.

## 7 . GDP first quarterly estimate data

### [GDP – data tables](#)

Dataset | Released 11 February 2022

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 11 February 2022

Quarterly levels for UK gross domestic product (GDP) at current market prices.

### [GDP at current prices – real-time database \(YBHA\)](#)

Dataset | Released 11 February 2022

Quarterly levels for UK gross domestic product (GDP) at current market prices.

## 8 . 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 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. Gross domestic product (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 the [Glossary of economic terms](#).

## 9 . 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 – dictates 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. However, to obtain the best estimate of 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.

Because of quarterly GDP being a balanced measure of the three approaches and the output approach focusing solely on growth in gross value added (GVA) and output as a proxy for GDP, there is a difference in 2019 and 2020 data (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 the [GDP first quarterly estimate data tables](#), have a target limit of plus or minus £3,000 million on any quarter.

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 5. The resulting series should be considered accordingly.

Table 5: Balancing adjustments applied to the GDP first quarterly estimate dataset  
Quarter 1 (Jan to Mar) to Quarter 4 (Oct to Dec) 2021

GDP measurement approach and component adjustment applied to	Q1 2021	Q2 2021	Q3 2021	Q4 2021
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Income				
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Current prices 500				
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Compensation of employees				
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Source: Office for National Statistics – GDP first quarterly estimate

Notes

1. Adjustments are in £ million.

## 10 . 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 the [Guide to the UK National Accounts](#) and more quality and methodology information is available in the [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 \(GDP\) Quality and Methodology Information](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations.

GDP estimates for Quarter 4 (Oct to Dec) 2021 are subject to [more uncertainty than usual](#) as a result of the challenges we faced estimating GDP in the current conditions. Differences in the methods for estimating the output of health and education services across different countries mean GDP may be less internationally comparable during the coronavirus (COVID-19) pandemic and recovery than usual, so should be made with increased caution. For more information, please refer to our [recently published blog](#).

## **System of National Accounts consultations**

As part of an update to the System of National Accounts, the United Nations (UN) are in the process of consulting on several areas being considered for improvement. Previous and live consultations can be found on the [UN Statistics Division website](#). If you would like to discuss any of these consultations with the Office for National Statistics (ONS), please contact us at [sna.consultations@ons.gov.uk](mailto:sna.consultations@ons.gov.uk). Bodies outside the UK National Statistical System are also free to respond to the consultations themselves.

## 11 . Related links

### [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.

### [GDP monthly estimates, UK: December 2021](#)

Bulletin | Released 11 February 2022

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of and growth in the economy.

### [Construction output in Great Britain: December 2021](#)

Bulletin | Released 11 February 2022

Short-term measures of output by the construction industry in Great Britain and contracts awarded for new construction work in Great Britain.

### [Index of Production, UK: December 2021](#)

Bulletin | Released 11 February 2022

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management. Figures are seasonally adjusted.

### [Index of Services, UK: December 2021](#)

Bulletin | Released 11 February 2022

Monthly movements in output for the services industries. Figures are seasonally adjusted.

### [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.

### [Coronavirus and the impact on measures of UK government education output: March 2020 to February 2021](#)

Article | Released 31 March 2021

An update on our approach to measuring education output in the UK during the coronavirus (COVID-19) pandemic. Includes a summary of our approach to measuring changes in teaching from March 2020, and the data used to inform our estimates of education output in the UK National Accounts.

# 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	Market sector gross value added	Gross national expenditure	Gross domestic product at market prices	Gross value added at basic prices
	YBEU	YBEX	YBEZ	CGCE	L48H	YBFV	YBGB	CGBV
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	95.4	96.5	90.6	90.5	90.1	105.0	105.3	106.6
2021	102.8	103.5	97.4	97.3	96.1	105.5	105.6	106.3
<b>Seasonally adjusted</b>								
2019 Q3	100.8	100.9	100.3	100.2	100.3	100.8	100.5	100.7
Q4	100.8	101.0	100.2	100.2	100.1	100.5	100.5	100.8
2020 Q1	99.7	100.0	97.6	97.6	97.5	101.5	102.2	102.5
Q2	86.7	88.3	78.6	78.5	77.8	110.3	110.2	112.4
Q3	96.9	98.3	92.4	92.4	92.3	104.6	104.9	106.5
Q4	98.5	99.4	93.8	93.8	92.8	104.9	105.0	106.0
2021 Q1	98.7	99.7	92.7	92.7	92.1	106.3	106.4	107.6
Q2	102.6	103.1	97.9	97.9	96.6	104.5	104.8	105.3
Q3	104.1	104.4	98.9	98.9	97.6	105.2	105.2	105.6
Q4	105.7	106.7	99.9	99.8	98.4	106.0	105.8	106.8
<b>Percentage change, latest year on previous year</b>								
	IHYM	KGL6	IHYP	KGM7	L489	KH7D	IHYS	KGM4
2019	3.7	3.8	1.7	1.8	1.7	1.7	2.0	2.0
2020	-4.6	-3.5	-9.4	-9.5	-9.9	5.0	5.4	6.6
2021	7.7	7.2	7.5	7.5	6.7	0.4	0.2	-0.2
<b>Percentage change, latest quarter on previous quarter</b>								
	IHYN	KGL8	IHYQ	KGM9		KH7E	IHYT	KGM5
2019 Q3	1.2	1.6	0.5	0.3		1.0	0.8	1.3
Q4	-0.1	0.1	-	-	-0.2	-0.3	-	0.1
2020 Q1	-1.0	-1.0	-2.6	-2.6	-2.6	1.0	1.6	1.7
Q2	-13.1	-11.8	-19.4	-19.5	-20.2	8.7	7.9	9.6
Q3	11.9	11.4	17.6	17.6	18.6	-5.2	-4.9	-5.3
Q4	1.6	1.0	1.5	1.5	0.6	0.3	0.1	-0.5
2021 Q1	0.2	0.4	-1.2	-1.2	-0.9	1.4	1.4	1.6
Q2	4.0	3.3	5.6	5.7	4.9	-1.7	-1.6	-2.2
Q3	1.4	1.3	1.0	1.0	1.0	0.7	0.4	0.3
Q4	1.5	2.1	1.0	1.0	0.9	0.7	0.6	1.1
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>								
	IHYO	KGM2	IHYR	KGN3	L48D	KH7F	IHYU	KGM6
2019 Q3	4.0	4.1	1.6	1.6	1.6	2.2	2.3	2.4
Q4	3.1	3.4	1.2	1.1	0.9	1.7	1.9	2.3
2020 Q1	0.9	1.2	-2.1	-2.1	-2.1	2.5	3.1	3.4
Q2	-13.0	-11.1	-21.2	-21.4	-22.2	10.6	10.5	13.1
Q3	-3.9	-2.5	-7.8	-7.9	-8.0	3.8	4.3	5.8
Q4	-2.2	-1.6	-6.4	-6.4	-7.2	4.4	4.4	5.1
2021 Q1	-1.0	-0.3	-5.0	-5.0	-5.6	4.8	4.2	5.0
Q2	18.4	16.8	24.6	24.7	24.1	-5.3	-5.0	-6.3
Q3	7.4	6.2	7.0	7.1	5.7	0.6	0.3	-0.8
Q4	7.3	7.4	6.5	6.5	6.0	1.0	0.8	0.8

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 sum of expenditure components of GDP at current prices and at chained volume terms.



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

£ million

	Current prices			Chained volume measures (Reference year 2019)			
	Gross domestic product at market prices	less Basic price adjustment <sup>2</sup>	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment <sup>2</sup>	Gross value added at basic prices	Gross value added excluding oil & gas <sup>4, 5</sup>
	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
2019	2 255 283	237 939	2 017 344	2 255 283	237 939	2 017 344	1 999 160
2020	2 152 646	206 049	1 946 597	2 043 373	216 688	1 826 685	1 812 334
2021	2 317 667	230 230	2 087 437	2 195 717	232 258	1 963 459	1 951 580
<b>Seasonally adjusted</b>							
2019 Q3	568 439	59 626	508 813	565 362	59 855	505 505	501 281
Q4	568 119	58 790	509 329	565 109	59 794	505 310	501 463
2020 Q1	562 218	57 797	504 421	550 205	58 182	492 023	488 319
Q2	488 582	43 458	445 124	443 193	47 158	396 035	392 249
Q3	546 503	50 513	495 990	521 073	55 274	465 799	462 313
Q4	555 343	54 281	501 062	528 902	56 074	472 828	469 453
2021 Q1	556 316	53 359	502 957	522 712	55 349	467 363	464 221
Q2	578 580	58 776	519 804	552 237	58 400	493 837	491 406
Q3	586 896	60 134	526 762	557 698	58 970	498 728	495 487
Q4	595 875	57 961	537 914	563 070	59 539	503 531	500 466
<b>Percentage change, latest year on previous year</b>							
	IHYM		KGL6	IHYP		KGM7	KLH8
2019	3.7		3.8	1.7		1.8	1.8
2020	-4.6		-3.5	-9.4		-9.5	-9.3
2021	7.7		7.2	7.5		7.5	7.7
<b>Percentage change, latest quarter on previous quarter</b>							
	IHYN		KGL8	IHYQ		KGM9	
2019 Q3	1.2		1.6	0.5		0.3	0.4
Q4	-0.1		0.1	-		-	-
2020 Q1	-1.0		-1.0	-2.6		-2.6	-2.6
Q2	-13.1		-11.8	-19.4		-19.5	-19.7
Q3	11.9		11.4	17.6		17.6	17.9
Q4	1.6		1.0	1.5		1.5	1.5
2021 Q1	0.2		0.4	-1.2		-1.2	-1.1
Q2	4.0		3.3	5.6		5.7	5.9
Q3	1.4		1.3	1.0		1.0	0.8
Q4	1.5		2.1	1.0		1.0	1.0
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	IHYO		KGM2	IHYR		KGN3	KLH9
2019 Q3	4.0		4.1	1.6		1.6	1.9
Q4	3.1		3.4	1.2		1.1	1.7
2020 Q1	0.9		1.2	-2.1		-2.1	-1.8
Q2	-13.0		-11.1	-21.2		-21.4	-21.5
Q3	-3.9		-2.5	-7.8		-7.9	-7.8
Q4	-2.2		-1.6	-6.4		-6.4	-6.4
2021 Q1	-1.0		-0.3	-5.0		-5.0	-4.9
Q2	18.4		16.8	24.6		24.7	25.3
Q3	7.4		6.2	7.0		7.1	7.2
Q4	7.3		7.4	6.5		6.5	6.6

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

2 Taxes on products less subsidies.

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

4 Due to challenges in reconciling the quarterly trends with the new annuals produced as part of Blue Book 2021 for the oil and gas sector, we have decided to only publish this series from 2006 onwards. As part of Blue Book 2022, we will continue this transformation and confront the challenges in the oil and gas industry. For more information please refer to the article Impact of Blue Book 2021 changes on quarterly and monthly volume estimates of gross domestic product by industry

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

2019 = 100

	Production							Service industries						
	Agri- culture, forestry, and fishing	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Total	Constr- uction	Distri- bution, hotels & restaura- nts	Transport storage and commu- nications	Business services and finance	Govern- ment and other services	Total	Gross value added <sup>4</sup>	Gross value added excluding oil & gas
<b>2019 Weights<sup>3</sup></b>	7	11	99	15	12	137	64	134	102	338	219	792	1000	991
	L2KL	L2KR	L2KX	L2MW	L2N2	L2KQ	L2N8	L2PZ	KI8M	KI8O	KI8Q	L2NC	CGCE	KLH7
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	91.0	81.0	91.0	97.8	98.3	91.6	84.0	84.9	90.5	94.8	89.7	91.2	90.5	90.7
2021	90.6	70.1	97.3	99.6	103.5	96.0	94.6	95.4	95.7	97.8	100.6	97.9	97.3	97.6
<b>Seasonally adjusted</b>														
2019 Q3	105.9	94.4	99.8	100.0	100.3	99.5	99.3	100.2	100.6	100.5	100.4	100.4	100.2	100.3
Q4	108.2	87.3	99.9	104.9	99.2	99.4	97.4	99.8	100.1	100.3	101.3	100.5	100.2	100.3
2020 Q1	99.9	84.1	97.7	99.6	99.7	97.0	95.8	95.0	97.5	99.4	96.9	97.7	97.6	97.7
Q2	84.0	83.2	76.6	91.1	94.4	80.2	61.6	62.6	82.0	89.8	74.4	79.9	78.5	78.5
Q3	89.1	79.6	93.1	101.1	99.1	93.5	87.1	94.3	90.1	94.2	91.8	93.0	92.4	92.5
Q4	90.8	77.0	96.7	99.2	100.0	95.8	91.3	87.5	92.4	96.0	95.7	94.0	93.8	93.9
2021 Q1	88.7	72.6	96.2	102.0	101.3	95.4	92.7	80.7	92.0	96.9	92.9	92.4	92.7	92.9
Q2	91.1	59.6	98.1	105.1	102.2	96.2	95.8	98.4	94.6	97.1	102.3	98.4	97.9	98.3
Q3	91.4	75.8	97.4	97.1	104.2	96.3	94.5	102.0	96.5	97.9	102.9	99.7	98.9	99.1
Q4	91.2	72.4	97.4	94.0	106.1	95.9	95.4	100.6	99.5	99.2	104.5	100.9	99.8	100.1
<b>Percentage change, latest year on previous year</b>														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2019	15.9	1.3	3.1	12.9	-0.5	3.6	-0.1	0.6	5.4	0.2	2.6	1.6	1.8	1.8
2020	-9.0	-19.0	-9.0	-2.3	-1.7	-8.4	-16.1	-15.1	-9.5	-5.2	-10.3	-8.8	-9.5	-9.3
2021	-0.4	-13.4	6.8	1.8	5.2	4.7	12.7	12.4	5.7	3.1	12.2	7.4	7.5	7.7
<b>Percentage change, latest quarter on previous quarter</b>														
													KGM9	
2019 Q3	11.5	-2.9	0.2	-0.9	-0.7	-0.1	-3.6	-	0.4	0.9	0.8	0.7	0.3	0.4
Q4	2.2	-7.5	0.1	4.9	-1.2	-0.1	-1.9	-0.4	-0.5	-0.2	0.9	0.1	-	-
2020 Q1	-7.7	-3.7	-2.2	-5.1	0.6	-2.4	-1.6	-4.7	-2.6	-0.9	-4.3	-2.7	-2.6	-2.6
Q2	-15.9	-1.0	-21.7	-8.5	-5.3	-17.3	-35.7	-34.1	-15.9	-9.6	-23.2	-18.2	-19.5	-19.7
Q3	6.1	-4.3	21.7	11.0	4.9	16.5	41.4	50.7	9.9	4.9	23.4	16.4	17.6	17.9
Q4	1.9	-3.2	3.8	-1.8	0.9	2.4	4.8	-7.2	2.5	2.0	4.3	1.1	1.5	1.5
2021 Q1	-2.3	-5.8	-0.6	2.8	1.3	-0.3	1.6	-7.8	-0.5	0.9	-2.9	-1.7	-1.2	-1.1
Q2	2.7	-17.9	2.0	3.0	0.9	0.8	3.4	21.9	2.9	0.2	10.1	6.5	5.7	5.9
Q3	0.3	27.1	-0.7	-7.5	1.9	0.1	-1.4	3.7	2.0	0.7	0.7	1.3	1.0	0.8
Q4	-0.3	-4.5	-	-3.2	1.8	-0.4	1.0	-1.3	3.1	1.4	1.5	1.2	1.0	1.0
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KII2	KIH9	KIH8	L44Q	KGN3	KLH9
2019 Q3	18.4	-18.8	2.2	12.9	-1.0	1.3	-1.3	0.6	4.6	0.7	2.9	1.8	1.6	1.9
Q4	26.6	-37.0	2.4	15.9	-0.8	-0.5	-2.8	0.4	2.5	0.4	3.3	1.5	1.1	1.7
2020 Q1	9.9	-30.7	-3.0	5.7	0.2	-4.3	-4.6	-4.9	-1.7	-0.3	-1.9	-1.7	-2.1	-1.8
Q2	-11.6	-14.4	-23.1	-9.7	-6.5	-19.5	-40.2	-37.5	-18.2	-9.8	-25.3	-19.9	-21.4	-21.5
Q3	-15.8	-15.6	-6.7	1.1	-1.2	-6.1	-12.3	-5.8	-10.4	-6.3	-8.5	-7.3	-7.9	-7.8
Q4	-16.0	-11.7	-3.2	-5.4	0.9	-3.7	-6.3	-12.2	-7.6	-4.3	-5.5	-6.4	-6.4	-6.4
2021 Q1	-11.2	-13.6	-1.6	2.5	1.6	-1.6	-3.2	-15.1	-5.6	-2.5	-4.1	-5.4	-5.0	-4.9
Q2	8.5	-28.3	28.1	15.3	8.2	19.9	55.6	57.1	15.4	8.2	37.4	23.1	24.7	25.3
Q3	2.6	-4.8	4.6	-3.9	5.2	3.0	8.6	8.1	7.1	3.9	12.1	7.2	7.1	7.2
Q4	0.4	-6.0	0.7	-5.2	6.1	0.1	4.6	14.9	7.7	3.3	9.1	7.4	6.5	6.6

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 chained volume measures at basic prices, by category of output: Service industries<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>	105	102	29	82	131	125	48	59	76	35	792
	L2NE	K18M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	92.4	90.5	57.6	96.5	99.1	89.5	102.5	81.9	93.5	77.3	91.2
2021	99.4	95.7	80.5	97.9	98.9	96.9	104.1	92.8	111.2	85.9	97.9
<b>Seasonally adjusted</b>											
2019 Q3	100.0	100.6	100.2	100.7	100.1	100.7	100.3	100.3	100.5	100.3	100.4
Q4	99.7	100.1	100.6	99.7	100.2	100.9	101.2	102.0	100.5	101.6	100.5
2020 Q1	96.0	97.5	91.4	98.5	100.4	98.9	101.7	89.1	100.9	95.9	97.7
Q2	76.0	82.0	14.3	93.3	98.1	79.1	102.4	54.5	79.0	59.2	79.9
Q3	99.8	90.1	74.0	96.4	98.8	88.1	102.9	88.3	94.3	77.5	93.0
Q4	97.7	92.4	50.8	97.8	99.1	91.8	103.1	95.7	99.8	76.8	94.0
2021 Q1	92.1	92.0	39.6	99.3	99.5	93.2	104.1	77.9	104.8	76.6	92.4
Q2	103.8	94.6	78.2	97.6	99.0	95.4	104.3	97.0	112.3	86.4	98.4
Q3	101.1	96.5	103.8	97.4	98.7	97.5	104.5	98.5	111.4	89.5	99.7
Q4	100.6	99.5	100.4	97.4	98.4	101.5	103.5	97.8	116.4	91.0	100.9
<b>Percentage change, latest year on previous year</b>											
	L3E4	K18L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2019	-0.2	5.4	3.4	-1.6	1.2	0.3	3.5	5.2	0.8	0.7	1.6
2020	-7.7	-9.5	-42.4	-3.5	-0.9	-10.5	2.5	-18.1	-6.5	-22.7	-8.8
2021	7.6	5.7	39.7	1.5	-0.2	8.3	1.5	13.4	19.0	11.1	7.4
<b>Percentage change, latest quarter on previous quarter</b>											
2019 Q3	-0.1	0.4	0.4	1.2	0.1	1.5	0.7	0.7	0.7	1.3	0.7
Q4	-0.4	-0.5	0.5	-1.0	0.1	0.2	0.9	1.7	-	1.3	0.1
2020 Q1	-3.7	-2.6	-9.2	-1.2	0.2	-2.0	0.4	-12.7	0.4	-5.7	-2.7
Q2	-20.9	-15.9	-84.3	-5.2	-2.4	-20.0	0.7	-38.8	-21.7	-38.2	-18.2
Q3	31.3	9.9	416.0	3.3	0.8	11.4	0.5	62.1	19.4	30.8	16.4
Q4	-2.1	2.5	-31.4	1.5	0.2	4.2	0.3	8.4	5.9	-0.9	1.1
2021 Q1	-5.7	-0.5	-21.9	1.5	0.4	1.6	0.9	-18.5	5.0	-0.2	-1.7
Q2	12.8	2.9	97.2	-1.8	-0.6	2.3	0.2	24.5	7.2	12.8	6.5
Q3	-2.6	2.0	32.6	-0.1	-0.3	2.2	0.3	1.6	-0.8	3.6	1.3
Q4	-0.5	3.1	-3.3	-	-0.3	4.0	-1.0	-0.8	4.5	1.7	1.2
<b>Percentage change, latest quarter on corresponding quarter of the previous year</b>											
	L44S	K112	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2019 Q3	-0.3	4.6	3.7	-0.7	1.1	1.2	3.3	5.2	1.8	0.8	1.8
Q4	-0.2	2.5	3.0	-1.1	0.8	1.3	4.1	5.1	1.7	2.7	1.5
2020 Q1	-4.2	-1.7	-8.1	-1.7	0.7	-0.3	2.8	-9.2	1.7	-3.2	-1.7
Q2	-24.1	-18.2	-85.6	-6.2	-1.9	-20.2	2.8	-45.3	-20.9	-40.2	-19.9
Q3	-0.3	-10.4	-26.1	-4.3	-1.2	-12.5	2.5	-12.0	-6.2	-22.8	-7.3
Q4	-2.0	-7.6	-49.5	-1.8	-1.1	-9.0	1.9	-6.2	-0.6	-24.5	-6.4
2021 Q1	-4.1	-5.6	-56.6	0.9	-0.9	-5.7	2.4	-12.5	3.9	-20.1	-5.4
Q2	36.7	15.4	445.3	4.6	0.9	20.5	1.8	78.1	42.3	45.9	23.1
Q3	1.3	7.1	40.1	1.1	-0.2	10.7	1.6	11.7	18.2	15.6	7.2
Q4	3.0	7.7	97.6	-0.4	-0.6	10.5	0.3	2.2	16.6	18.6	7.4

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													
	Households	Non-profit institutions <sup>2, 7</sup>	General government	Gross fixed capital formation	Of which business investment <sup>3</sup>	Change in inventories <sup>4</sup>	Of which alignment adjustment	Acquisitions less disposals of valuables <sup>5</sup>	Total	exports	Gross final expenditure	less imports	Trade balance <sup>6</sup>	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA	
2019	1 394 457	54 620	424 006	399 609	225 865	6 509	–	–3 230	2 275 971	699 250	2 975 221	719 938	–20 688	–	2 255 283	
2020	1 257 475	55 490	481 056	368 236	203 809	–9 461	–	–700	2 153 496	605 342	2 758 838	602 483	–2 859	–3 709	2 152 646	
2021	1 367 815	56 806	521 068	394 540	204 643	–60	–	5 610	2 345 779	618 967	2 964 746	647 728	–28 761	649	2 317 667	
Seasonally adjusted																
2019 Q3	350 228	13 749	107 365	100 917	57 236	–1 989	454	–79	570 191	177 029	747 220	178 781	–1 752	–	568 439	
Q4	347 890	13 942	109 568	99 578	56 777	–806	–1 975	–14 670	555 502	186 333	741 835	173 716	12 617	–	568 119	
2020 Q1	341 445	13 934	108 231	98 036	55 514	–2 186	794	808	560 268	163 325	723 593	162 194	1 131	819	562 218	
Q2	271 455	13 778	123 439	79 872	45 871	–4 518	–3 127	–8 297	475 729	142 194	617 923	125 887	16 307	–3 454	488 582	
Q3	325 069	13 859	123 715	93 326	50 061	–6 614	765	–542	548 813	144 394	693 207	145 692	–1 298	–1 012	546 503	
Q4	319 506	13 919	125 671	97 002	52 363	3 857	1 568	8 731	568 686	155 429	724 115	168 710	–13 281	–62	555 343	
2021 Q1	310 991	14 108	131 248	96 629	48 398	828	805	8 404	562 208	146 006	708 214	151 756	–5 750	–142	556 316	
Q2	341 500	14 148	127 266	98 163	52 282	–1 461	–547	–619	578 997	158 015	737 012	158 701	–686	269	578 580	
Q3	354 960	14 237	129 093	98 770	52 073	1 730	1 846	3 635	602 425	151 299	753 724	167 088	–15 789	260	586 896	
Q4	360 364	14 313	133 461	100 978	51 890	–1 157	–2 104	–5 810	602 149	163 647	765 796	170 183	–6 536	262	595 875	
Percentage change, latest year on previous year																
	KG7	KG28	KH2C	KG6O	KG6N				KGX3	KH2O	KG7	KH3H			IHYM	
2019	2.6	3.9	6.3	3.4	3.9				3.3	5.4	3.8	4.1			3.7	
2020	–9.8	1.6	13.5	–7.9	–9.8				–5.4	–13.4	–7.3	–16.3			–4.6	
2021	8.8	2.4	8.3	7.1	0.4				8.9	2.3	7.5	7.5			7.7	
Percentage change, latest quarter on previous quarter																
	KG8	KG29	KH2D	KG6W	KG6V				KGX4	KH2P	KG8	KH3I			IHYN	
2019 Q3	–	1.5	3.8	1.6	1.6				0.1	5.8	1.4	1.7			1.2	
Q4	–0.7	1.4	2.1	–1.3	–0.8				–2.6	5.3	–0.7	–2.8			–0.1	
2020 Q1	–1.9	–0.1	–1.2	–1.5	–2.2				0.9	–12.3	–2.5	–6.6			–1.0	
Q2	–20.5	–1.1	14.1	–18.5	–17.4				–15.1	–12.9	–14.6	–22.4			–13.1	
Q3	19.8	0.6	0.2	16.8	9.1				15.4	1.5	12.2	15.7			11.9	
Q4	–1.7	0.4	1.6	3.9	4.6				3.6	7.6	4.5	15.8			1.6	
2021 Q1	–2.7	1.4	4.4	–0.4	–7.6				–1.1	–6.1	–2.2	–10.0			0.2	
Q2	9.8	0.3	–3.0	1.6	8.0				3.0	8.2	4.1	4.6			4.0	
Q3	3.9	0.6	1.4	0.6	–0.4				4.0	–4.3	2.3	5.3			1.4	
Q4	1.5	0.5	3.4	2.2	–0.4				–	8.2	1.6	1.9			1.5	
Percentage change, latest quarter on corresponding quarter of previous year																
	KG9	KH22	KH2E	KG76	KG75				KGX5	KH2Q	KG9	KH3J			IHYO	
2019 Q3	2.7	3.3	7.3	3.8	6.2				3.3	5.6	3.8	3.3			4.0	
Q4	0.8	–0.1	7.5	2.2	4.4				–0.8	9.6	1.6	–3.0			3.1	
2020 Q1	–1.4	4.1	4.4	–1.8	–				–3.5	–3.1	–3.4	–15.4			0.9	
Q2	–22.5	1.7	19.4	–19.6	–18.6				–16.5	–15.0	–16.2	–28.4			–13.0	
Q3	–7.2	0.8	15.2	–7.5	–12.5				–3.7	–18.4	–7.2	–18.5			–3.9	
Q4	–8.2	–0.2	14.7	–2.6	–7.8				2.4	–16.6	–2.4	–2.9			–2.2	
2021 Q1	–8.9	1.2	21.3	–1.4	–12.8				0.3	–10.6	–2.1	–6.4			–1.0	
Q2	25.8	2.7	3.1	22.9	14.0				21.7	11.1	19.3	26.1			18.4	
Q3	9.2	2.7	4.3	5.8	4.0				9.8	4.8	8.7	14.7			7.4	
Q4	12.8	2.8	6.2	4.1	–0.9				5.9	5.3	5.8	0.9			7.3	

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 affects 2020Q1 onwards. The latest figures for the affected series 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										Statistical discrepancy (expenditure)	Gross domestic product at market prices
Households	Non-profit institutions <sup>2, 8</sup>	General government <sup>7</sup>	Gross fixed capital formation	Of which business investment <sup>3, 7</sup>	Change in inventories <sup>4</sup>	Of which alignment adjustment	Acquisitions less disposals of valuables <sup>5</sup>	Total	Exports	Gross final expenditure	less imports	Total	Trade balance <sup>6</sup>		
ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI	
2019	1 394 457	54 620	424 006	399 609	225 865	6 509	-3 230	2 275 971	699 250	2 975 221	719 938	-20 688	-	2 255 283	
2020	1 248 108	49 189	401 193	361 922	200 214	-9 477	-726	2 050 209	601 804	2 652 013	605 285	-3 481	-3 355	2 043 373	
2021	1 324 767	52 084	459 554	380 951	198 805	2 152	3 906	2 223 414	595 039	2 818 453	623 355	-28 316	619	2 195 717	
<b>Seasonally adjusted</b>															
2019 Q3	349 391	13 692	105 255	100 453	56 853	-518	449	-1 059	565 858	175 700	741 557	176 218	-518	-	565 362
Q4	347 126	13 600	107 960	99 004	56 698	-626	-1 967	-14 656	552 871	186 596	739 452	174 375	12 221	-	565 109
2020 Q1	337 725	13 040	105 648	96 567	55 234	-1 797	739	772	551 955	161 170	713 125	163 722	-2 552	802	550 205
Q2	270 012	10 602	86 758	78 830	44 940	-7 944	-2 875	-7 094	431 164	142 877	574 041	127 715	15 162	-3 133	443 193
Q3	322 839	12 521	102 475	91 553	48 807	-4 018	683	-586	524 784	143 891	668 675	146 637	-2 746	-965	521 073
Q4	317 532	13 026	106 312	94 972	51 233	4 282	1 453	6 182	542 306	153 866	696 172	167 211	-13 345	-59	528 902
2021 Q1	305 275	12 425	108 097	93 346	46 844	2 774	756	6 746	528 663	143 074	671 737	148 892	-5 818	-133	522 712
Q2	332 048	13 005	116 428	95 329	50 764	-2 086	-522	-638	554 086	153 136	707 222	155 242	-2 106	257	552 237
Q3	341 697	13 418	116 409	95 098	50 368	2 725	1 754	3 058	572 405	145 874	718 279	160 828	-14 954	247	557 698
Q4	345 747	13 236	118 620	97 178	50 829	-1 261	-1 988	-5 260	568 260	152 955	721 215	158 393	-5 438	248	563 070
<b>Percentage change, latest year on previous year</b>															
	KGZ5	KH26	KH2I	KG7N	KG7M			KGX9	KH2U	KGW5	KH3N				IHYP
2019	1.2	2.1	4.2	0.5	0.9			1.6	3.4	2.0	2.9				1.7
2020	-10.5	-9.9	-5.4	-9.4	-11.4			-9.9	-13.9	-10.9	-15.9				-9.4
2021	6.1	5.9	14.5	5.3	-0.7			8.4	-1.1	6.3	3.0				7.5
<b>Percentage change, latest quarter on previous quarter</b>															
	KGZ6	KH27	KH2J	KG7Q	KG7P			KGY2	KH2V	KGW6	KH3O				IHYQ
2019 Q3	-0.3	-0.7	0.1	1.2	1.2			-0.9	5.2	0.5	0.5				0.5
Q4	-0.6	-0.7	2.6	-1.4	-0.3			-2.3	6.2	-0.3	-1.0				-
2020 Q1	-2.7	-4.1	-2.1	-2.5	-2.6			-0.2	-13.6	-3.6	-6.1				-2.6
Q2	-20.0	-18.7	-17.9	-18.4	-18.6			-21.9	-11.4	-19.5	-22.0				-19.4
Q3	19.6	18.1	18.1	16.1	8.6			21.7	0.7	16.5	14.8				17.6
Q4	-1.6	4.0	3.7	3.7	5.0			3.3	6.9	4.1	14.0				1.5
2021 Q1	-3.9	-4.6	1.7	-1.7	-8.6			-2.5	-7.0	-3.5	-11.0				-1.2
Q2	8.8	4.7	7.7	2.1	8.4			4.8	7.0	5.3	4.3				5.6
Q3	2.9	3.2	-	-0.2	-0.8			3.3	-4.7	1.6	3.6				1.0
Q4	1.2	-1.4	1.9	2.2	0.9			-0.7	4.9	0.4	-1.5				1.0
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>															
	KGZ7	KH28	KH2K	KG7T	KG7S			KGY3	KH2W	KGW7	KH3P				IHYR
2019 Q3	1.2	1.3	3.5	0.6	2.5			1.0	3.6	1.6	1.7				1.6
Q4	-0.1	-2.8	5.4	-0.1	2.7			-2.5	9.1	0.2	-2.8				1.2
2020 Q1	-2.8	-3.7	-	-4.3	-1.6			-5.8	-5.2	-5.7	-15.6				-2.1
Q2	-22.9	-23.1	-17.5	-20.6	-20.0			-24.5	-14.4	-22.2	-27.1				-21.2
Q3	-7.6	-8.6	-2.6	-8.9	-14.2			-7.3	-18.1	-9.8	-16.8				-7.8
Q4	-8.5	-4.2	-1.5	-4.1	-9.6			-1.9	-17.5	-5.9	-4.1				-6.4
2021 Q1	-9.6	-4.7	2.3	-3.3	-15.2			-4.2	-11.2	-5.8	-9.1				-5.0
Q2	23.0	22.7	34.2	20.9	13.0			28.5	7.2	23.2	21.6				24.6
Q3	5.8	7.2	13.6	3.9	3.2			9.1	1.4	7.4	9.7				7.0
Q4	8.9	1.6	11.6	2.3	-0.8			4.8	-0.6	3.6	-5.3				6.5

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 Whilst quality assuring the business investment dataset, a discrepancy was found where annual Non-Seasonally Adjusted CVM data does not equal annual Seasonally Adjusted CVM data for the years 1997 to 2019. This issue affects Business Investment and its component assets. The largest difference in any given year is -£9m in business investment and -£13m in the sub-components. The correct data series to use for the annual timeline is the Non-Seasonally Adjusted series, NPEN.

8 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.

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

£ million

	Compensation of employees			Gross operating surplus of corporations						Gross value added at factor cost	Taxes on products & production less subsidies	Statistical discrepancy (income)	Gross domestic product at market prices
	Wages and Salaries	Employers social contributions	Total	Private non-financial corporations <sup>2</sup>	Of which alignment adjustment	Financial corporations	Public corporations	Total <sup>3</sup>	Other income <sup>4</sup>				
	DTWL	DTWP	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
2019	897 701	199 544	1 097 245	401 012	–	81 541	11 383	493 936	399 261	1 990 442	264 841	–	2 255 283
2020	916 264	212 913	1 129 177	396 829	–	81 647	11 186	489 662	392 269	2 011 108	132 985	8 553	2 152 646
2021	979 829	217 352	1 197 181	..	–	..	..	515 341	403 142	2 115 664	202 175	–172	2 317 667
Seasonally adjusted													
2019 Q3	225 639	50 888	276 527	104 043	1 468	19 442	2 955	126 440	99 178	502 145	66 294	–	568 439
Q4	226 122	52 043	278 165	100 101	–1 949	21 484	2 904	124 489	100 004	502 658	65 461	–	568 119
2020 Q1	228 080	52 554	280 634	98 180	–2 049	20 696	2 736	121 612	99 060	501 306	61 895	–983	562 218
Q2	221 851	51 392	273 243	94 308	1 760	19 488	2 593	116 389	96 717	486 349	–2 778	5 011	488 582
Q3	229 962	53 949	283 911	103 857	1 554	19 848	2 959	126 664	98 625	509 200	34 526	2 777	546 503
Q4	236 371	55 018	291 389	100 484	–1 265	21 615	2 898	124 997	97 867	514 253	39 342	1 748	555 343
2021 Q1	238 788	52 921	291 709	104 006	1 349	21 594	2 808	128 408	99 396	519 513	35 696	1 107	556 316
Q2	243 043	55 007	298 050	106 570	2 672	21 983	3 282	131 835	100 770	530 655	48 355	–430	578 580
Q3	247 175	55 251	302 426	101 818	–2 336	21 703	2 642	126 163	100 867	529 456	57 863	–423	586 896
Q4	250 823	54 173	304 996	..	–1 685	..	..	128 935	102 109	536 040	60 261	–426	595 875
Percentage change, latest year on previous year													
	CWNH	CWNE	KGI3	KH59		KH5L	KH53	KH4V	KH6T	KH6N	KH65		IHYM
2019	3.7	9.9	4.8	4.8		–3.6	3.4	3.3	2.4	3.9	2.4		3.7
2020	2.1	6.7	2.9	–1.0		0.1	–1.7	–0.9	–1.8	1.0	–49.8		–4.6
2021	6.9	2.1	6.0	..		..	..	5.2	2.8	5.2	52.0		7.7
Percentage change, latest quarter on previous quarter													
	CWNI	CWNF	KGI4	KH5A		KH5M	KH54	KH4W	KH6U	KH6O	KH66		IHYN
2019 Q3	0.8	2.5	1.1	6.9		–0.6	2.2	5.5	–0.9	1.8	–2.6		1.2
Q4	0.2	2.3	0.6	–3.8		10.5	–1.7	–1.5	0.8	0.1	–1.3		–0.1
2020 Q1	0.9	1.0	0.9	–1.9		–3.7	–5.8	–2.3	–0.9	–0.3	–5.4		–1.0
Q2	–2.7	–2.2	–2.6	–3.9		–5.8	–5.2	–4.3	–2.4	–3.0	–104.5		–13.1
Q3	3.7	5.0	3.9	10.1		1.8	14.1	8.8	2.0	4.7	–1 342.8		11.9
Q4	2.8	2.0	2.6	–3.2		8.9	–2.1	–1.3	–0.8	1.0	13.9		1.6
2021 Q1	1.0	–3.8	0.1	3.5		–0.1	–3.1	2.7	1.6	1.0	–9.3		0.2
Q2	1.8	3.9	2.2	2.5		1.8	16.9	2.7	1.4	2.1	35.5		4.0
Q3	1.7	0.4	1.5	–4.5		–1.3	–19.5	–4.3	0.1	–0.2	19.7		1.4
Q4	1.5	–2.0	0.8	..		..	..	2.2	1.2	1.2	4.1		1.5
Percentage change, latest quarter on corresponding quarter of previous year													
	CWNJ	CWNG	KGI5	KH5B		KH5N	KH55	KH4X	KH6V	KH6P	KH67		IHYO
2019 Q3	3.6	10.8	4.9	5.9		–0.8	8.0	4.9	1.4	4.2	2.4		4.0
Q4	2.2	9.7	3.5	6.4		1.5	10.6	5.6	0.7	3.4	1.0		3.1
2020 Q1	2.7	11.9	4.3	–1.4		–1.7	3.9	–1.3	–1.0	1.8	–4.8		0.9
Q2	–0.9	3.5	–0.1	–3.1		–0.4	–10.3	–2.8	–3.3	–1.4	–104.1		–13.0
Q3	1.9	6.0	2.7	–0.2		2.1	0.1	0.2	–0.6	1.4	–47.9		–3.9
Q4	4.5	5.7	4.8	0.4		0.6	–0.2	0.4	–2.1	2.3	–39.9		–2.2
2021 Q1	4.7	0.7	3.9	5.9		4.3	2.6	5.6	0.3	3.6	–42.3		–1.0
Q2	9.6	7.0	9.1	13.0		12.8	26.6	13.3	4.2	9.1	–1 840.6		18.4
Q3	7.5	2.4	6.5	–2.0		9.3	–10.7	–0.4	2.3	4.0	67.6		7.4
Q4	6.1	–1.5	4.7	..		..	..	3.2	4.3	4.2	53.2		7.3

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
2019	ABJQ	ABTF	ZAKV	ZWUM	ZAKX	ZAKZ	ZAVN	ZAVV	ZAWB	ZAWL	ZAWV	ZAWZ	ZWUS	ZAXR	ZAYF
2020	1 394 457	15 366	1 379 091	109 843	46 554	69 743	351 482	68 911	23 850	192 803	27 967	143 856	31 354	137 548	175 180
2021	1 257 475	6 330	1 251 145	119 819	53 287	60 204	357 122	74 498	22 073	134 129	26 623	132 188	33 010	79 690	158 502
	1 367 815	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seasonally adjusted															
2019 Q3	350 228	4 575	345 653	27 588	11 660	17 635	87 811	17 208	5 909	48 288	7 048	36 112	7 896	34 729	43 769
Q4	347 890	2 780	345 110	27 980	11 662	17 065	88 002	16 695	5 761	48 814	6 723	36 360	8 019	34 269	43 760
2020 Q1	341 445	4 012	337 433	29 771	12 017	15 508	88 867	17 775	6 019	44 081	6 682	36 516	8 196	30 260	41 741
Q2	271 455	6	271 449	30 486	13 853	12 739	88 905	17 211	4 451	19 171	6 509	28 892	8 127	5 668	35 437
Q3	325 069	1 028	324 041	29 849	13 704	15 836	89 513	19 918	5 505	36 944	6 833	32 824	8 252	23 894	40 969
Q4	319 506	1 284	318 222	29 713	13 713	16 121	89 837	19 594	6 098	33 933	6 599	33 956	8 435	19 868	40 355
2021 Q1	310 991	764	310 227	30 949	13 346	15 169	90 701	19 359	5 552	28 863	6 521	33 931	8 614	17 510	39 712
Q2	341 500	280	341 220	29 608	13 492	18 441	91 616	21 863	5 805	36 981	6 818	35 555	8 796	28 528	43 717
Q3	354 960	1 655	353 305	28 964	13 150	17 396	91 293	20 234	5 886	42 061	6 793	36 929	8 933	37 313	44 353
Q4	360 364	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, latest year on previous year															
2019	KG7	KG6U	KG9N	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F
2020	2.6	2.7	3.9	1.3	3.1	1.5	7.6	-0.2	4.1	-0.6	4.2	4.5	3.6	0.2	0.2
2021	-9.8	-9.3	9.1	14.5	-13.7	1.6	8.1	-7.5	-30.4	-4.8	-8.1	5.3	-42.1	-9.5	-9.5
	8.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on previous quarter															
2019 Q3	KG8	KG74	KG9R	KG74	KG74	KG74	KG74	KG74	KG74	KG74	KG74	KG74	KG74	KG74	KG74
Q4	-	-0.1	1.3	0.7	-0.3	-0.6	-3.2	-2.1	-0.2	-1.0	-0.1	1.6	0.7	0.6	-
2020 Q1	-1.9	-2.2	6.4	3.0	-9.1	1.0	6.5	4.5	-9.7	-0.6	0.4	2.2	-11.7	-4.6	-4.6
Q2	-20.5	-19.6	2.4	15.3	-17.9	-	-3.2	-26.1	-56.5	-2.6	-20.9	-0.8	-81.3	-15.1	-15.1
Q3	19.8	19.4	-2.1	-1.1	24.3	0.7	15.7	23.7	92.7	5.0	13.6	1.5	321.6	15.6	15.6
Q4	-1.7	-1.8	-0.5	0.1	1.8	0.4	-1.6	10.8	-8.2	-3.4	3.4	2.2	-16.8	-1.5	-1.5
2021 Q1	-2.7	-2.5	4.2	-2.7	-5.9	1.0	-1.2	-9.0	-14.9	-1.2	-0.1	2.1	-11.9	-1.6	-1.6
Q2	9.8	10.0	-4.3	1.1	21.6	1.0	12.9	4.6	28.1	4.6	4.8	2.1	62.9	10.1	10.1
Q3	3.9	3.5	-2.2	-2.5	-5.7	-0.4	-7.5	1.4	13.7	-0.4	3.9	1.6	30.8	1.5	1.5
Q4	1.5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year															
2019 Q3	KG9	KG7C	KG9V	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F	KG7F
Q4	2.7	2.7	3.6	0.7	3.7	1.2	5.1	-1.5	5.0	0.9	5.1	5.4	4.6	-1.1	-1.1
2020 Q1	0.8	1.2	3.5	0.7	0.1	0.9	1.9	-5.2	3.7	-4.7	3.2	6.1	1.0	-2.2	-2.2
2020 Q1	-1.4	-1.4	10.1	3.2	-10.6	1.8	3.2	-2.1	-6.9	-5.6	3.6	6.9	-11.2	-5.5	-5.5
Q2	-22.5	-21.6	11.9	19.6	-28.0	0.6	-3.2	-26.2	-60.4	-8.6	-20.1	4.5	-83.6	-18.5	-18.5
Q3	-7.2	-6.3	8.2	17.5	-10.2	1.9	15.7	-6.8	-23.5	-3.1	-9.1	4.5	-31.2	-6.4	-6.4
Q4	-8.2	-7.8	6.2	17.6	-5.5	2.1	17.4	5.8	-30.5	-1.8	-6.6	5.2	-42.0	-7.8	-7.8
2021 Q1	-8.9	-8.1	4.0	11.1	-2.2	2.1	8.9	-7.8	-34.5	-2.4	-7.1	5.1	-42.1	-4.9	-4.9
Q2	25.8	25.7	-2.9	-2.6	44.8	3.0	27.0	30.4	92.9	4.7	23.1	8.2	403.3	23.4	23.4
Q3	9.2	9.0	-3.0	-4.0	9.9	2.0	1.6	6.9	13.9	-0.6	12.5	8.3	56.2	8.3	8.3
Q4	12.8	..	..	..	..	..	..	..	..	..	..	..	..	..	..

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>								
	Total	Net tourism	Total	Goods				Services
				Total	Durable goods	Semi- durable goods	Non- durable goods	
COICOP <sup>1</sup>					D	SD	ND	S
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN
2019	1 394 457	15 366	1 379 091	566 671	142 409	129 798	294 464	812 420
2020	1 257 475	6 330	1 251 145	563 803	132 357	125 500	305 946	687 342
2021	1 367 815	..	..	..	..	..	..	..
Seasonally adjusted								
2019 Q3	350 228	4 575	345 653	142 143	35 884	32 821	73 438	203 510
Q4	347 890	2 780	345 110	140 866	34 735	32 134	73 997	204 244
2020 Q1	341 445	4 012	337 433	140 419	31 764	31 330	77 325	197 014
Q2	271 455	6	271 449	127 489	25 880	27 311	74 298	143 960
Q3	325 069	1 028	324 041	149 630	38 920	33 157	77 553	174 411
Q4	319 506	1 284	318 222	146 265	35 793	33 702	76 770	171 957
2021 Q1	310 991	764	310 227	141 489	31 659	32 583	77 247	168 738
Q2	341 500	280	341 220	154 919	38 242	37 807	78 870	186 301
Q3	354 960	1 655	353 305	150 042	37 085	35 372	77 585	203 263
Q4	360 364	..	..	..	..	..	..	..
Percentage change, latest year on previous year								
	KG Y7		KG6U	KHC9	KHB5	KHH5	KHE5	KHF9
2019	2.6		2.7	3.9	7.3	4.6	2.1	1.9
2020	-9.8		-9.3	-0.5	-7.1	-3.3	3.9	-15.4
2021	8.8		..	..	..	..	..	..
Percentage change, quarter on previous quarter								
	KG Y8		KG74	KHD2	KHB6	KHH6	KHE6	KHG2
2019 Q3	-		-0.1	-0.9	-1.7	-	-0.9	0.4
Q4	-0.7		-0.2	-0.9	-3.2	-2.1	0.8	0.4
2020 Q1	-1.9		-2.2	-0.3	-8.6	-2.5	4.5	-3.5
Q2	-20.5		-19.6	-9.2	-18.5	-12.8	-3.9	-26.9
Q3	19.8		19.4	17.4	50.4	21.4	4.4	21.2
Q4	-1.7		-1.8	-2.2	-8.0	1.6	-1.0	-1.4
2021 Q1	-2.7		-2.5	-3.3	-11.5	-3.3	0.6	-1.9
Q2	9.8		10.0	9.5	20.8	16.0	2.1	10.4
Q3	3.9		3.5	-3.1	-3.0	-6.4	-1.6	9.1
Q4	1.5		..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year								
	KG Y9		KG7C	KHD3	KHB7	KHH7	KHE7	KHG3
2019 Q3	2.7		2.7	4.3	9.2	6.4	1.1	1.6
Q4	0.8		1.2	1.1	1.3	0.9	1.1	1.3
2020 Q1	-1.4		-1.4	0.1	-10.0	-2.2	6.0	-2.4
Q2	-22.5		-21.6	-11.1	-29.1	-16.8	0.3	-29.0
Q3	-7.2		-6.3	5.3	8.5	1.0	5.6	-14.3
Q4	-8.2		-7.8	3.8	3.0	4.9	3.7	-15.8
2021 Q1	-8.9		-8.1	0.8	-0.3	4.0	-0.1	-14.4
Q2	25.8		25.7	21.5	47.8	38.4	6.2	29.4
Q3	9.2		9.0	0.3	-4.7	6.7	-	16.5
Q4	12.8		..	..	..	..	..	..

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
				01	02	03	04	05	06	07	08	09	10	11	12
	ABJR	ABTH	ZAKW	ZWUN	ZAKY	ZALA	ZAVO	ZAVW	ZAWC	ZAWM	ZAWW	ZAXA	ZWUT	ZAXS	ZAYG
2019	1 394 457	15 366	1 379 091	109 843	46 554	69 743	351 482	68 911	23 850	192 803	27 967	143 856	31 354	137 548	175 180
2020	1 248 108	6 331	1 241 777	118 962	51 984	61 003	355 920	74 494	21 566	132 121	26 549	130 067	30 427	78 524	160 160
2021	1 324 767	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Seasonally adjusted															
2019 Q3	349 391	4 141	345 252	27 528	11 632	17 624	87 642	17 197	5 888	48 386	7 093	36 114	7 856	34 489	43 793
Q4	347 126	3 268	343 856	27 851	11 656	17 009	87 908	16 598	5 718	48 103	7 354	36 230	8 008	33 945	43 453
2020 Q1	337 725	3 363	334 362	29 528	11 925	15 609	88 173	17 759	5 888	42 407	6 491	36 173	8 051	30 246	42 112
Q2	270 012	122	269 890	30 001	13 467	13 132	88 852	17 290	4 353	19 525	6 352	28 330	7 082	5 300	36 206
Q3	322 839	1 409	321 430	29 680	13 234	15 939	89 196	19 838	5 375	36 775	6 976	32 209	7 512	23 688	41 008
Q4	317 532	1 437	316 095	29 753	13 358	16 323	89 699	19 607	5 950	33 414	6 730	33 355	7 782	19 290	40 834
2021 Q1	305 275	246	305 029	30 853	12 874	15 992	89 954	19 148	5 383	27 346	6 597	33 059	7 964	16 756	39 103
Q2	332 048	220	331 828	29 439	12 909	18 614	90 384	21 139	5 620	35 033	6 970	34 236	8 330	26 541	42 613
Q3	341 697	1 971	339 726	28 739	12 427	17 270	89 567	19 391	5 694	38 233	7 012	35 056	8 415	34 884	43 038
Q4	345 747	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, latest year on previous year															
	KGZ5		KG7O	KG9Y	KGf6	KGg4	KGh2	KGh8	KGi9	KGj7	KGk5	KGl3	KGB8	KGd4	KGE8
2019	1.2		1.4	2.2	-2.1	3.6	0.1	6.5	-3.0	0.9	13.2	2.4	1.8	0.4	0.8
2020	-10.5		-10.0	8.3	11.7	-12.5	1.3	8.1	-9.6	-31.5	-5.1	-9.6	-3.0	-42.9	-8.6
2021	6.1		..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on previous quarter															
	KGZ6		KG7R	KGA3	KGf7	KGg5	KGh3	KGh9	KGj2	KGj8	KGk6	KGl4	KGB9	KGd5	KGE9
2019 Q3	-0.3		-0.4	1.2	0.8	-0.6	-0.5	-3.5	-2.5	-0.7	3.0	-0.3	1.1	-0.5	-0.1
Q4	-0.6		-0.4	1.2	0.2	-3.5	0.3	-3.5	-2.9	-0.6	3.7	0.3	1.9	-1.6	-0.8
2020 Q1	-2.7		-2.8	6.0	2.3	-8.2	0.3	7.0	3.0	-11.8	-11.7	-0.2	0.5	-10.9	-3.1
Q2	-20.0		-19.3	1.6	12.9	-15.9	0.8	-2.6	-26.1	-54.0	-2.1	-21.7	-12.0	-82.5	-14.0
Q3	19.6		19.1	-1.1	-1.7	21.4	0.4	14.7	23.5	88.3	9.8	13.7	6.1	346.9	13.3
Q4	-1.6		-1.7	0.2	0.9	2.4	0.6	-1.2	10.7	-9.1	-3.5	3.6	3.6	-18.6	-0.4
2021 Q1	-3.9		-3.5	3.7	-3.6	-2.0	0.3	-2.3	-9.5	-18.2	-2.0	-0.9	2.3	-13.1	-4.2
Q2	8.8		8.8	-4.6	0.3	16.4	0.5	10.4	4.4	28.1	5.7	3.6	4.6	58.4	9.0
Q3	2.9		2.4	-2.4	-3.7	-7.2	-0.9	-8.3	1.3	9.1	0.6	2.4	1.0	31.4	1.0
Q4	1.2		..	..	..	..	..	..	..	..	..	..	..	..	..
Percentage change, quarter on corresponding quarter of previous year															
	KGZ7		KG7U	KGA6	KGf8	KGg6	KGh4	KGi2	KGj3	KGj9	KGk7	KGl5	KGC2	KGd6	KGF2
2019 Q3	1.2		1.3	1.3	-2.4	3.9	-0.3	4.2	-4.3	1.7	12.1	3.5	2.7	1.0	0.1
Q4	-0.1		0.2	1.9	-0.9	-0.3	0.1	0.4	-7.2	0.4	14.4	1.9	4.4	-2.1	-1.8
2020 Q1	-2.8		-2.7	8.3	1.7	-10.2	0.4	2.7	-5.2	-10.9	-2.1	2.5	4.3	-12.2	-4.5
Q2	-22.9		-22.1	10.3	16.7	-26.0	0.9	-3.0	-27.9	-59.9	-7.8	-21.8	-8.9	-84.7	-17.4
Q3	-7.6		-6.9	7.8	13.8	-9.6	1.8	15.4	-8.7	-24.0	-1.6	-10.8	-4.4	-31.3	-6.4
Q4	-8.5		-8.1	6.8	14.6	-4.0	2.0	18.1	4.1	-30.5	-8.5	-7.9	-2.8	-43.2	-6.0
2021 Q1	-9.6		-8.8	4.5	8.0	2.5	2.0	7.8	-8.6	-35.5	1.6	-8.6	-1.1	-44.6	-7.1
Q2	23.0		22.9	-1.9	-4.1	41.7	1.7	22.3	29.1	79.4	9.7	20.8	17.6	400.8	17.7
Q3	5.8		5.7	-3.2	-6.1	8.4	0.4	-2.3	5.9	4.0	0.5	8.8	12.0	47.3	5.0
Q4	8.9		..	..	..	..	..	..	..	..	..	..	..	..	..

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>								
	Total	Net tourism	Total	Goods				Services
				Total	Durable goods	Semi- durable goods	Non- durable goods	
COICOP <sup>1</sup>					D	SD	ND	S
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
2019	1 394 457	15 366	1 379 091	566 671	142 409	129 798	294 464	812 420
2020	1 248 108	6 331	1 241 777	561 688	129 467	125 893	306 328	680 089
2021	1 324 767	..	..	..	..	..	..	..
<b>Seasonally adjusted</b>								
2019 Q3	349 391	4 141	345 252	142 169	36 069	32 882	73 215	203 089
Q4	347 126	3 268	343 856	140 206	34 413	32 033	73 760	203 617
2020 Q1	337 725	3 363	334 362	138 967	31 160	31 424	76 383	195 395
Q2	270 012	122	269 890	127 591	25 713	27 594	74 284	142 299
Q3	322 839	1 409	321 430	148 960	37 924	33 089	77 947	172 470
Q4	317 532	1 437	316 095	146 170	34 670	33 786	77 714	169 925
2021 Q1	305 275	246	305 029	140 182	29 969	33 313	76 900	164 847
Q2	332 048	220	331 828	151 275	35 861	37 437	77 977	180 553
Q3	341 697	1 971	339 726	144 372	33 931	34 633	75 808	195 354
Q4	345 747	..	..	..	..	..	..	..
<b>Percentage change, year on previous year</b>								
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7
2019	1.2		1.4	2.2	4.8	4.3	0.1	0.9
2020	-10.5		-10.0	-0.9	-9.1	-3.0	4.0	-16.3
2021	6.1		..	..	..	..	..	..
<b>Percentage change, quarter on previous quarter</b>								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2019 Q3	-0.3		-0.4	-0.7	-1.5	-	-0.6	-0.1
Q4	-0.6		-0.4	-1.4	-4.6	-2.6	0.7	0.3
2020 Q1	-2.7		-2.8	-0.9	-9.5	-1.9	3.6	-4.0
Q2	-20.0		-19.3	-8.2	-17.5	-12.2	-2.7	-27.2
Q3	19.6		19.1	16.7	47.5	19.9	4.9	21.2
Q4	-1.6		-1.7	-1.9	-8.6	2.1	-0.3	-1.5
2021 Q1	-3.9		-3.5	-4.1	-13.6	-1.4	-1.0	-3.0
Q2	8.8		8.8	7.9	19.7	12.4	1.4	9.5
Q3	2.9		2.4	-4.6	-5.4	-7.5	-2.8	8.2
Q4	1.2		..	..	..	..	..	..
<b>Percentage change, quarter on corresponding quarter of previous year</b>								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2019 Q3	1.2		1.3	2.3	6.2	6.2	-1.1	0.6
Q4	-0.1		0.2	-0.2	-0.5	0.2	-0.2	0.5
2020 Q1	-2.8		-2.7	-1.5	-11.7	-1.8	3.4	-3.4
Q2	-22.9		-22.1	-10.9	-29.8	-16.1	0.9	-30.0
Q3	-7.6		-6.9	4.8	5.1	0.6	6.5	-15.1
Q4	-8.5		-8.1	4.3	0.7	5.5	5.4	-16.5
2021 Q1	-9.6		-8.8	0.9	-3.8	6.0	0.7	-15.6
Q2	23.0		22.9	18.6	39.5	35.7	5.0	26.9
Q3	5.8		5.7	-3.1	-10.5	4.7	-2.7	13.3
Q4	8.9		..	..	..	..	..	..

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					
	Public corporations <sup>2</sup>				Private Sector									
	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	NPQS	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	NPQS	Total
2019	NPEK	RPZG	L62R	L62S	L62T	L62U	NPQS	TLPX	TLPW	GGAE	EQED	TLPK	NPQS	
2020	225 865	62 108	4 680	766	82 628	23 563	399 609	19 877	65 098	87 306	139 686	87 643	399 609	
2021	203 809	65 252	4 320	645	74 137	20 073	368 236	15 342	57 277	78 276	127 230	90 111	368 236	
	204 643	74 088	5 490	822	85 675	23 822	394 540	12 494	63 933	91 165	138 941	88 007	394 540	
<b>Seasonally adjusted</b>														
2019 Q3	57 236	15 562	1 177	193	20 926	5 823	100 917	5 756	16 483	22 103	34 347	22 228	100 917	
Q4	56 777	15 453	1 226	187	20 319	5 616	99 578	4 969	15 916	21 544	34 987	22 162	99 578	
2020 Q1	55 514	15 596	1 170	185	19 934	5 637	98 036	4 659	15 144	20 923	34 519	22 791	98 036	
Q2	45 871	16 282	967	142	11 956	4 654	79 872	2 381	13 087	12 923	29 146	22 335	79 872	
Q3	50 061	16 450	1 072	145	21 005	4 593	93 326	4 195	13 951	22 077	30 759	22 344	93 326	
Q4	52 363	16 924	1 111	173	21 242	5 189	97 002	4 107	15 095	22 353	32 806	22 641	97 002	
2021 Q1	48 398	20 545	1 142	189	20 366	5 989	96 629	2 645	15 536	21 508	35 389	21 551	96 629	
Q2	52 282	17 343	1 309	199	21 009	6 021	98 163	3 632	15 673	22 318	34 493	22 047	98 163	
Q3	52 073	17 569	1 410	208	21 370	6 140	98 770	2 709	16 514	22 780	34 628	22 139	98 770	
Q4	51 890	18 631	1 629	226	22 930	5 672	100 978	3 508	16 210	24 559	34 431	22 270	100 978	
<b>Percentage change, latest year on previous year</b>														
2019	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2020	3.9	8.6	1.3	1.1	2.4	-9.2	3.4	-4.8	2.0	2.4	5.9	3.6	3.4	
2021	-9.8	5.1	-7.7	-15.8	-10.3	-14.8	-7.9	-22.8	-12.0	-10.3	-8.9	2.8	-7.9	
	0.4	13.5	27.1	27.4	15.6	18.7	7.1	-18.6	11.6	16.5	9.2	-2.3	7.1	
<b>Percentage change, latest quarter on previous quarter</b>														
2019 Q3	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
Q4	1.6	3.3	2.2	-5.4	0.6	1.9	1.6	15.4	2.1	0.7	-0.4	2.4	1.6	
	-0.8	-0.7	4.2	-3.1	-2.9	-3.6	-1.3	-13.7	-3.4	-2.5	1.9	-0.3	-1.3	
2020 Q1	-2.2	0.9	-4.6	-1.1	-1.9	0.4	-1.5	-6.2	-4.9	-2.9	-1.3	2.8	-1.5	
Q2	-17.4	4.4	-17.4	-23.2	-40.0	-17.4	-18.5	-48.9	-13.6	-38.2	-15.6	-2.0	-18.5	
Q3	9.1	1.0	10.9	2.1	75.7	-1.3	16.8	76.2	6.6	70.8	5.5	-	16.8	
Q4	4.6	2.9	3.6	19.3	1.1	13.0	3.9	-2.1	8.2	1.3	6.7	1.3	3.9	
2021 Q1	-7.6	21.4	2.8	9.2	-4.1	15.4	-0.4	-35.6	2.9	-3.8	7.9	-4.8	-0.4	
Q2	8.0	-15.6	14.6	5.3	3.2	0.5	1.6	37.3	0.9	3.8	-2.5	2.3	1.6	
Q3	-0.4	1.3	7.7	4.5	1.7	2.0	0.6	-25.4	5.4	2.1	0.4	0.4	0.6	
Q4	-0.4	6.0	15.5	8.7	7.3	-7.6	2.2	29.5	-1.8	7.8	-0.6	0.6	2.2	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>														
2019 Q3	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
Q4	6.2	5.7	4.2	-2.5	2.7	-15.7	3.8	-1.7	3.1	2.8	5.1	4.7	3.8	
	4.4	6.3	14.3	-3.1	-0.6	-17.6	2.2	-23.5	-0.8	0.1	8.6	4.6	2.2	
2020 Q1	-	-2.7	4.0	1.6	-3.1	-12.1	-1.8	11.9	-8.5	-3.6	-3.7	5.8	-1.8	
Q2	-18.6	8.0	-16.1	-30.4	-42.5	-18.5	-19.6	-52.3	-18.9	-41.2	-15.5	2.9	-19.6	
Q3	-12.5	5.7	-8.9	-24.9	0.4	-21.1	-7.5	-27.1	-15.4	-0.1	-10.4	0.5	-7.5	
Q4	-7.8	9.5	-9.4	-7.5	4.5	-7.6	-2.6	-17.3	-5.2	3.8	-6.2	2.2	-2.6	
2021 Q1	-12.8	31.7	-2.4	2.2	2.2	6.2	-1.4	-43.2	2.6	2.8	2.5	-5.4	-1.4	
Q2	14.0	6.5	35.4	40.1	75.7	29.4	22.9	52.5	19.8	72.7	18.3	-1.3	22.9	
Q3	4.0	6.8	31.5	43.4	1.7	33.7	5.8	-35.4	18.4	3.2	12.6	-0.9	5.8	
Q4	-0.9	10.1	46.6	30.6	7.9	9.3	4.1	-14.6	7.4	9.9	5.0	-1.6	4.1	

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 <sup>7</sup>								Analysis by asset					
	Public corporations <sup>2</sup>				Private Sector									
	Business investment <sup>1, 6</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	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			Total
	NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT	
2019	225 865	62 108	4 678	592	82 627	23 738	399 609	19 877	65 097	87 307	139 685	87 643	399 609	
2020	200 214	63 763	4 265	482	73 212	19 986	361 922	15 040	56 489	77 297	125 058	88 038	361 922	
2021	198 805	71 326	5 259	597	82 115	22 849	380 951	11 971	64 078	87 374	132 421	85 107	380 951	
<b>Seasonally adjusted</b>														
2019 Q3	56 853	15 565	1 153	149	20 854	5 878	100 453	5 751	16 501	22 008	34 081	22 097	100 453	
Q4	56 698	15 220	1 240	144	20 091	5 617	99 004	5 185	15 379	21 331	35 206	21 920	99 004	
2020 Q1	55 234	14 649	1 199	140	19 733	5 612	96 567	4 766	14 893	20 752	33 667	22 489	96 567	
Q2	44 940	16 449	962	104	11 793	4 582	78 830	2 226	12 957	12 755	29 047	21 845	78 830	
Q3	48 807	16 204	1 019	108	20 795	4 620	91 553	3 955	13 664	21 814	30 365	21 755	91 553	
Q4	51 233	16 461	1 085	130	20 891	5 172	94 972	4 093	14 975	21 976	31 979	21 949	94 972	
2021 Q1	46 844	19 467	1 162	137	19 907	5 829	93 346	2 303	15 258	21 069	33 857	20 859	93 346	
Q2	50 764	16 876	1 301	145	20 376	5 867	95 329	3 283	15 741	21 677	33 227	21 401	95 329	
Q3	50 368	17 039	1 316	151	20 381	5 843	95 098	2 456	16 590	21 697	32 961	21 394	95 098	
Q4	50 829	17 944	1 480	164	21 451	5 310	97 178	3 929	16 489	22 931	32 376	21 453	97 178	
<b>Percentage change, latest year on previous year</b>														
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N	
2019	0.9	5.0	-1.2	-3.9	-0.1	-10.6	0.5	-4.9	-0.9	-0.1	2.5	0.6	0.5	
2020	-11.4	2.7	-8.8	-18.6	-11.4	-15.8	-9.4	-24.3	-13.2	-11.5	-10.5	0.5	-9.4	
2021	-0.7	11.9	23.3	23.9	12.2	14.3	5.3	-20.4	13.4	13.0	5.9	-3.3	5.3	
<b>Percentage change, latest quarter on previous quarter</b>														
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q	
2019 Q3	1.2	2.8	-2.0	-5.7	-0.1	2.6	1.2	20.9	2.5	-0.2	-1.4	1.6	1.2	
Q4	-0.3	-2.2	7.5	-3.4	-3.7	-4.4	-1.4	-9.8	-6.8	-3.1	3.3	-0.8	-1.4	
2020 Q1	-2.6	-3.8	-3.3	-2.8	-1.8	-0.1	-2.5	-8.1	-3.2	-2.7	-4.4	2.6	-2.5	
Q2	-18.6	12.3	-19.8	-25.7	-40.2	-18.4	-18.4	-53.3	-13.0	-38.5	-13.7	-2.9	-18.4	
Q3	8.6	-1.5	5.9	3.8	76.3	0.8	16.1	77.7	5.5	71.0	4.5	-0.4	16.1	
Q4	5.0	1.6	6.5	20.4	0.5	11.9	3.7	3.5	9.6	0.7	5.3	0.9	3.7	
2021 Q1	-8.6	18.3	7.1	5.4	-4.7	12.7	-1.7	-43.7	1.9	-4.1	5.9	-5.0	-1.7	
Q2	8.4	-13.3	12.0	5.8	2.4	0.7	2.1	42.6	3.2	2.9	-1.9	2.6	2.1	
Q3	-0.8	1.0	1.2	4.1	-	-0.4	-0.2	-25.2	5.4	0.1	-0.8	-	-0.2	
Q4	0.9	5.3	12.5	8.6	5.2	-9.1	2.2	60.0	-0.6	5.7	-1.8	0.3	2.2	
<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	
2019 Q3	2.5	2.2	0.8	-2.0	0.3	-16.8	0.6	-1.2	0.2	0.3	0.7	1.5	0.6	
Q4	2.7	1.8	11.6	-2.7	-3.3	-19.2	-0.1	-20.7	-6.4	-2.5	7.7	1.5	-0.1	
2020 Q1	-1.6	-9.5	8.1	-0.7	-5.1	-13.9	-4.3	13.9	-13.0	-5.3	-6.0	2.8	-4.3	
Q2	-20.0	8.7	-18.2	-34.2	-43.5	-20.0	-20.6	-53.2	-19.5	-42.2	-16.0	0.4	-20.6	
Q3	-14.2	4.1	-11.6	-27.5	-0.3	-21.4	-8.9	-31.2	-17.2	-0.9	-10.9	-1.5	-8.9	
Q4	-9.6	8.2	-12.5	-9.7	4.0	-7.9	-4.1	-21.1	-2.6	3.0	-9.2	0.1	-4.1	
2021 Q1	-15.2	32.9	-3.1	-2.1	0.9	3.9	-3.3	-51.7	2.5	1.5	0.6	-7.2	-3.3	
Q2	13.0	2.6	35.2	39.4	72.8	28.0	20.9	47.5	21.5	69.9	14.4	-2.0	20.9	
Q3	3.2	5.2	29.1	39.8	-2.0	26.5	3.9	-37.9	21.4	-0.5	8.5	-1.7	3.9	
Q4	-0.8	9.0	36.4	26.2	2.7	2.7	2.3	-4.0	10.1	4.3	1.2	-2.3	2.3	

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.

6 Whilst quality assuring the business investment dataset, a discrepancy was found where annual Non-Seasonally Adjusted CVM data does not equal annual Seasonally Adjusted CVM data for the years 1997 to 2019. This issue affects Business Investment and its component assets. The largest difference in any given year is -£9m in business investment and -£13m in the sub-components. The correct data series to use for the annual timeline is the Non-Seasonally Adjusted series, NPEN.

7 During quality assurance of the ANA21 GFCF dataset, an issue has been identified that affects the chained volume measure of costs of ownership transfer of non-produced assets in the private sector and the public corporations sector. As a result, £175 million has been erroneously removed from public corporations and added to the private sector estimate for costs of ownership transfer of non-produced assets in 2019.

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

£ 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>	555	28 419	19 068	21 578	69 065	354	43 107	34 887	63 662	211 630
2019	FAHS 357	FAGF 5 486	FADY -974	FALR -1 376	NZTP 3 136	FAGI 1 183	FBHE 1 930	FAHA 440	CWVD -537	CAEX 6 509
2020	404	-231	-3 365	706	-2 890	-1 677	-1 654	-534	-3 110	-9 461
2021	-1 057	1 539	1 866	4 904	8 309	10	2 493	68	-9 883	-60
<b>Seasonally adjusted</b>										
2019 Q3	252	369	-958	-938	-1 527	553	-142	-508	-617	-1 989
Q4	119	441	894	135	1 470	200	-285	165	-2 475	-806
2020 Q1	457	-360	-48	-391	-799	-501	-2 388	-1 425	2 470	-2 186
Q2	1 223	565	-318	629	876	914	-493	-715	-6 323	-4 518
Q3	-1 174	-445	-2 778	-443	-3 666	-2 230	479	810	-833	-6 614
Q4	-102	9	-221	911	699	140	748	796	1 576	3 857
2021 Q1	-1 012	-1 389	1 186	2 320	2 117	-482	56	659	-510	828
Q2	110	1 436	800	-332	1 904	853	390	98	-4 816	-1 461
Q3	-164	1 180	33	1 689	2 902	-849	690	512	-1 361	1 730
Q4	9	312	-153	1 227	1 386	488	1 357	-1 201	-3 196	-1 157

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>	555	28 419	19 068	21 578	69 065	354	43 107	34 887	63 662	211 630
2019	FAEA 357	FBNF 5 486	FBNG -974	FBNH -1 376	DHBM 3 136	FAEB 1 183	FAJX 1 930	FBYN 440	DLWX -537	CAFU 6 509
2020	1 138	150	-4 934	176	-4 608	652	-433	-3 602	-2 624	-9 477
2021	120	2 211	1 736	4 840	8 787	401	3 249	-218	-10 187	2 152
<b>Seasonally adjusted</b>										
2019 Q3	212	451	-552	-912	-1 019	549	-267	-361	325	-518
Q4	127	779	-80	-299	390	175	687	797	-2 811	-626
2020 Q1	509	-93	-726	229	-590	20	-1 484	-1 703	1 451	-1 797
Q2	874	-307	-742	-388	-1 437	673	-178	-1 554	-6 322	-7 944
Q3	-550	-597	-2 847	-959	-4 403	-1 391	827	-140	1 639	-4 018
Q4	305	1 147	-619	1 294	1 822	1 350	402	-205	608	4 282
2021 Q1	-569	-855	1 085	2 302	2 532	-479	547	557	186	2 774
Q2	-40	1 397	742	-242	1 897	902	267	148	-5 260	-2 086
Q3	737	1 342	35	1 739	3 116	-723	737	332	-1 474	2 725
Q4	-8	327	-126	1 041	1 242	701	1 698	-1 255	-3 639	-1 261

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
2019	371 955	327 295	699 250	510 169	209 769	719 938	-138 214	117 526	-20 688
2020	308 884	296 458	605 342	438 326	164 157	602 483	-129 442	132 301	2 859
2021	320 474	298 493	618 967	476 317	171 411	647 728	-155 843	127 082	-28 761
<b>Seasonally adjusted</b>									
2019 Q3	93 455	83 574	177 029	125 206	53 575	178 781	-31 751	29 999	-1 752
Q4	101 072	85 261	186 333	119 039	54 677	173 716	-17 967	30 584	12 617
2020 Q1	82 353	80 972	163 325	113 924	48 270	162 194	-31 571	32 702	1 131
Q2	72 373	69 821	142 194	87 875	38 012	125 887	-15 502	31 809	16 307
Q3	73 562	70 832	144 394	107 318	38 374	145 692	-33 756	32 458	-1 298
Q4	80 596	74 833	155 429	129 209	39 501	168 710	-48 613	35 332	-13 281
2021 Q1	72 623	73 383	146 006	111 855	39 901	151 756	-39 232	33 482	-5 750
Q2	82 680	75 335	158 015	116 482	42 219	158 701	-33 802	33 116	-686
Q3	76 301	74 998	151 299	122 351	44 737	167 088	-46 050	30 261	-15 789
Q4	88 870	74 777	163 647	125 629	44 554	170 183	-36 759	30 223	-6 536
<b>Percentage change, latest year on previous year</b>									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2019	6.0	4.7	5.4	3.5	5.7	4.1			
2020	-17.0	-9.4	-13.4	-14.1	-21.7	-16.3			
2021	3.8	0.7	2.3	8.7	4.4	7.5			
<b>Percentage change, latest quarter on previous quarter</b>									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2019 Q3	7.6	3.9	5.8	1.1	3.2	1.7			
Q4	8.2	2.0	5.3	-4.9	2.1	-2.8			
2020 Q1	-18.5	-5.0	-12.3	-4.3	-11.7	-6.6			
Q2	-12.1	-13.8	-12.9	-22.9	-21.3	-22.4			
Q3	1.6	1.4	1.5	22.1	1.0	15.7			
Q4	9.6	5.6	7.6	20.4	2.9	15.8			
2021 Q1	-9.9	-1.9	-6.1	-13.4	1.0	-10.0			
Q2	13.8	2.7	8.2	4.1	5.8	4.6			
Q3	-7.7	-0.4	-4.3	5.0	6.0	5.3			
Q4	16.5	-0.3	8.2	2.7	-0.4	1.9			
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2019 Q3	3.7	7.8	5.6	1.1	9.0	3.3			
Q4	14.9	3.9	9.6	-5.9	3.9	-3.0			
2020 Q1	-9.1	3.8	-3.1	-19.8	-2.7	-15.4			
Q2	-16.7	-13.2	-15.0	-29.0	-26.8	-28.4			
Q3	-21.3	-15.2	-18.4	-14.3	-28.4	-18.5			
Q4	-20.3	-12.2	-16.6	8.5	-27.8	-2.9			
2021 Q1	-11.8	-9.4	-10.6	-1.8	-17.3	-6.4			
Q2	14.2	7.9	11.1	32.6	11.1	26.1			
Q3	3.7	5.9	4.8	14.0	16.6	14.7			
Q4	10.3	-0.1	5.3	-2.8	12.8	0.9			

<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
2019	371 955	327 295	699 250	510 169	209 769	719 938	-20 688
2020	319 233	282 571	601 804	442 532	162 753	605 285	-3 481
2021	313 788	281 251	595 039	461 353	162 002	623 355	-28 316
<b>Seasonally adjusted</b>							
2019 Q3	92 553	83 156	175 700	123 034	53 199	176 218	-518
Q4	101 796	84 796	186 596	119 950	54 382	174 375	12 221
2020 Q1	83 059	78 111	161 170	114 732	48 990	163 722	-2 552
Q2	77 276	65 601	142 877	90 565	37 150	127 715	15 162
Q3	75 929	67 962	143 891	108 759	37 878	146 637	-2 746
Q4	82 969	70 897	153 866	128 476	38 735	167 211	-13 345
2021 Q1	73 311	69 763	143 074	111 065	37 827	148 892	-5 818
Q2	82 035	71 101	153 136	114 944	40 298	155 242	-2 106
Q3	75 028	70 846	145 874	118 251	42 577	160 828	-14 954
Q4	83 414	69 541	152 955	117 093	41 300	158 393	-5 438
<b>Percentage change, latest year on previous year</b>							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2019	3.9	2.7	3.4	2.5	4.0	2.9	
2020	-14.2	-13.7	-13.9	-13.3	-22.4	-15.9	
2021	-1.7	-0.5	-1.1	4.3	-0.5	3.0	
<b>Percentage change, latest quarter on previous quarter</b>							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2019 Q3	7.4	2.9	5.2	-0.4	2.8	0.5	
Q4	10.0	2.0	6.2	-2.5	2.2	-1.0	
2020 Q1	-18.4	-7.9	-13.6	-4.4	-9.9	-6.1	
Q2	-7.0	-16.0	-11.4	-21.1	-24.2	-22.0	
Q3	-1.7	3.6	0.7	20.1	2.0	14.8	
Q4	9.3	4.3	6.9	18.1	2.3	14.0	
2021 Q1	-11.6	-1.6	-7.0	-13.6	-2.3	-11.0	
Q2	11.9	1.9	7.0	3.5	6.5	4.3	
Q3	-8.5	-0.4	-4.7	2.9	5.7	3.6	
Q4	11.2	-1.8	4.9	-1.0	-3.0	-1.5	
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2019 Q3	2.4	5.1	3.6	-0.2	6.4	1.7	
Q4	15.5	2.3	9.1	-5.2	2.7	-2.8	
2020 Q1	-9.1	-0.5	-5.2	-20.1	-2.8	-15.6	
Q2	-10.4	-18.8	-14.4	-26.7	-28.2	-27.1	
Q3	-18.0	-18.3	-18.1	-11.6	-28.8	-16.8	
Q4	-18.5	-16.4	-17.5	7.1	-28.8	-4.1	
2021 Q1	-11.7	-10.7	-11.2	-3.2	-22.8	-9.1	
Q2	6.2	8.4	7.2	26.9	8.5	21.6	
Q3	-1.2	4.2	1.4	8.7	12.4	9.7	
Q4	0.5	-1.9	-0.6	-8.9	6.6	-5.3	

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



## 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
2019	2 017 344	2 017 344	2 017 344	–	100.0	100.0	100.0	100.0	100.0
2020	1 830 040	1 950 306	1 938 044	12 262	96.7	96.1	90.7	90.1	90.8
2021	1 962 840	2 086 788	2 087 609	–821	103.4	103.5	97.3	97.3	97.4
<b>Seasonally adjusted</b>									
2019 Q3	505 505	508 813	508 813	–	100.9	100.9	100.2	100.2	100.2
Q4	505 310	509 329	509 329	–	101.0	101.0	100.2	100.2	100.2
2020 Q1	491 221	503 602	505 404	–1 802	99.9	100.2	97.4	97.7	97.5
Q2	399 168	448 578	440 113	8 465	88.9	87.3	79.1	77.6	78.8
Q3	466 764	497 002	493 213	3 789	98.5	97.8	92.6	91.8	92.7
Q4	472 887	501 124	499 314	1 810	99.4	99.0	93.8	93.4	94.1
2021 Q1	467 496	503 099	501 850	1 249	99.8	99.5	92.7	92.5	92.8
Q2	493 580	519 535	520 234	–699	103.0	103.2	97.9	98.0	97.9
Q3	498 481	526 502	527 185	–683	104.4	104.5	98.8	99.0	98.9
Q4	503 283	537 652	538 340	–688	106.6	106.7	99.8	99.9	99.8
<b>Percentage change, latest year on previous year</b>									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2019	1.8	3.8	3.8		3.8	3.8	1.8	1.8	1.8
2020	–9.3	–3.3	–3.9		–3.3	–3.9	–9.3	–9.9	–9.2
2021	7.3	7.0	7.7		7.0	7.7	7.3	8.0	7.3
<b>Percentage change, latest quarter on previous quarter</b>									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2019 Q3	0.3	1.6	1.6		1.6	1.6	0.3	0.3	0.3
Q4	–	0.1	0.1		0.1	0.1	–	–	–
2020 Q1	–2.8	–1.1	–0.8		–1.1	–0.8	–2.8	–2.5	–2.7
Q2	–18.7	–10.9	–12.9		–10.9	–12.9	–18.7	–20.5	–19.2
Q3	16.9	10.8	12.1		10.8	12.1	16.9	18.3	17.6
Q4	1.3	0.8	1.2		0.8	1.2	1.3	1.7	1.5
2021 Q1	–1.1	0.4	0.5		0.4	0.5	–1.1	–1.0	–1.3
Q2	5.6	3.3	3.7		3.3	3.7	5.6	6.0	5.4
Q3	1.0	1.3	1.3		1.3	1.3	1.0	1.0	1.0
Q4	1.0	2.1	2.1		2.1	2.1	1.0	1.0	1.0
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2019 Q3	1.6	4.1	4.1		4.1	4.1	1.6	1.6	1.6
Q4	1.1	3.4	3.4		3.4	3.4	1.1	1.1	1.1
2020 Q1	–2.3	1.0	1.4		1.0	1.4	–2.3	–2.0	–2.2
Q2	–20.8	–10.4	–12.1		–10.4	–12.1	–20.8	–22.3	–21.1
Q3	–7.7	–2.3	–3.1		–2.3	–3.1	–7.7	–8.4	–7.5
Q4	–6.4	–1.6	–2.0		–1.6	–2.0	–6.4	–6.8	–6.1
2021 Q1	–4.8	–0.1	–0.7		–0.1	–0.7	–4.8	–5.4	–4.8
Q2	23.7	15.8	18.2		15.8	18.2	23.7	26.2	24.2
Q3	6.8	5.9	6.9		5.9	6.9	6.8	7.8	6.7
Q4	6.4	7.3	7.8		7.3	7.8	6.4	7.0	6.1

<sup>1</sup> 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.

<sup>2</sup> Income data deflated by the implied GDP deflator, based on expenditure data.

<sup>3</sup> 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>			
	DMUN	DMUM	DMUQ
2019 Q3	454	449	1 468
Q4	-1 975	-1 967	-1 949
2020 Q1	794	739	-2 049
Q2	-3 127	-2 875	1 760
Q3	765	683	1 554
Q4	1 568	1 453	-1 265
2021 Q1	805	756	1 349
Q2	-547	-522	2 672
Q3	1 846	1 754	-2 336
Q4	-2 104	-1 988	-1 685

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

# N Selected financial year variables <sup>1,2</sup>

£ millions except deflator index which is 2020/2021 = 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
2018/19	2 195 745	2 199 704	1 961 144	403 682	59 280	2 230 149	1 993 760	411 231	60 977	92.3264
2019/20	2 260 252	2 261 200	2 023 174	428 574	61 680	2 243 455	2 006 623	424 058	60 573	94.4858
2020/21	2 146 744	2 141 857	1 945 133	504 073	70 201	2 015 880	1 802 025	403 642	68 581	100.0000
<b>Seasonally adjusted</b>										
2019 Q3	568 439	563 283	508 813	107 365	15 562	565 362	505 505	105 255	15 565	94.2861
Q4	568 119	576 734	509 329	109 568	15 453	565 109	505 310	107 960	15 220	94.2752
2020 Q1	562 218	566 926	504 421	108 231	15 596	550 205	492 023	105 648	14 649	95.8232
Q2	488 582	485 734	445 124	123 439	16 282	443 193	396 035	86 758	16 449	103.3796
Q3	546 503	538 025	495 990	123 715	16 450	521 073	465 799	102 475	16 204	98.3523
Q4	555 343	561 961	501 062	125 671	16 924	528 902	472 828	106 312	16 461	98.4638
2021 Q1	556 316	556 137	502 957	131 248	20 545	522 712	467 363	108 097	19 467	99.8043
Q2	578 580	570 943	519 804	127 266	17 343	552 237	493 837	116 428	16 876	98.2490
Q3	586 896	582 131	526 762	129 093	17 569	557 698	498 728	116 409	17 039	98.6853
Q4	595 875	608 456	537 914	133 461	18 631	563 070	503 531	118 620	17 944	99.2392
<b>Percentage change, latest financial year on previous financial year</b>										
2018/19	3.8	4.2	3.8	3.3	6.3	1.8	1.9	1.3	4.4	2.0
2019/20	2.9	2.8	3.2	6.2	4.0	0.6	0.6	3.1	-0.7	2.3
2020/21	-5.0	-5.3	-3.9	17.6	13.8	-10.1	-10.2	-4.8	13.2	5.8
<b>Percentage change, latest quarter on previous quarter</b>										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2019 Q3	1.2	1.6	1.6	3.8	3.3	0.5	0.3	0.1	2.8	0.8
Q4	-0.1	2.4	0.1	2.1	-0.7	-	-	2.6	-2.2	-
2020 Q1	-1.0	-1.7	-1.0	-1.2	0.9	-2.6	-2.6	-2.1	-3.8	1.6
Q2	-13.1	-14.3	-11.8	14.1	4.4	-19.4	-19.5	-17.9	12.3	7.9
Q3	11.9	10.8	11.4	0.2	1.0	17.6	17.6	18.1	-1.5	-4.9
Q4	1.6	4.4	1.0	1.6	2.9	1.5	1.5	3.7	1.6	0.1
2021 Q1	0.2	-1.0	0.4	4.4	21.4	-1.2	-1.2	1.7	18.3	1.4
Q2	4.0	2.7	3.3	-3.0	-15.6	5.6	5.7	7.7	-13.3	-1.6
Q3	1.4	2.0	1.3	1.4	1.3	1.0	1.0	-	1.0	0.4
Q4	1.5	4.5	2.1	3.4	6.0	1.0	1.0	1.9	5.3	0.6
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2019 Q3	4.0	3.8	4.1	7.3	5.7	1.6	1.6	3.5	2.2	2.3
Q4	3.1	3.1	3.4	7.5	6.3	1.2	1.1	5.4	1.8	1.9
2020 Q1	0.9	1.1	1.2	4.4	-2.7	-2.1	-2.1	-	-9.5	3.1
Q2	-13.0	-12.4	-11.1	19.4	8.0	-21.2	-21.4	-17.5	8.7	10.5
Q3	-3.9	-4.5	-2.5	15.2	5.7	-7.8	-7.9	-2.6	4.1	4.3
Q4	-2.2	-2.6	-1.6	14.7	9.5	-6.4	-6.4	-1.5	8.2	4.4
2021 Q1	-1.0	-1.9	-0.3	21.3	31.7	-5.0	-5.0	2.3	32.9	4.2
Q2	18.4	17.5	16.8	3.1	6.5	24.6	24.7	34.2	2.6	-5.0
Q3	7.4	8.2	6.2	4.3	6.8	7.0	7.1	13.6	5.2	0.3
Q4	7.3	8.3	7.4	6.2	10.1	6.5	6.5	11.6	9.0	0.8

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 2020/2021 = 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>

2020 = 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
2019	94.7872	94.7269	94.0445
2020	99.8190	100.0104	100.4806
2021	100.0000	100.0000	100.0000
<b>Seasonally adjusted</b>			
2019 Q3	95.5014	95.2438	94.6615
Q4	95.2267	95.2328	94.7940
2020 Q1	96.2031	96.7965	96.4158
Q2	104.5716	104.4297	105.7032
Q3	99.1153	99.3513	100.1417
Q4	99.3859	99.4639	99.6618
2021 Q1	100.7894	100.8181	101.2085
Q2	99.0366	99.2470	98.9912
Q3	99.7462	99.6877	99.3325
Q4	100.4277	100.2472	100.4679
<b>Percentage change, latest year on previous year</b>			
	MNE3	MNF3	MNX6
2019	1.8	2.0	2.0
2020	5.3	5.6	6.8
2021	0.2	–	–0.5
<b>Percentage change, latest quarter on previous quarter</b>			
	MNE4	MNF4	MNX7
2019 Q3	1.0	0.8	1.3
Q4	–0.3	–	0.1
2020 Q1	1.0	1.6	1.7
Q2	8.7	7.9	9.6
Q3	–5.2	–4.9	–5.3
Q4	0.3	0.1	–0.5
2021 Q1	1.4	1.4	1.6
Q2	–1.7	–1.6	–2.2
Q3	0.7	0.4	0.3
Q4	0.7	0.6	1.1
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>			
	MNE5	MNF5	MNX8
2019 Q3	2.2	2.3	2.4
Q4	1.7	1.9	2.3
2020 Q1	2.5	3.1	3.4
Q2	10.6	10.5	13.1
Q3	3.8	4.3	5.8
Q4	4.4	4.4	5.1
2021 Q1	4.8	4.2	5.0
Q2	–5.3	–5.0	–6.3
Q3	0.6	0.3	–0.8
Q4	1.0	0.8	0.8

1 Implied deflator is expressed in terms of 2021 = 100, whereas in table A1 it is expressed as 2019 = 100.

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
2019	66 797	2 255 283	33 763	2 255 283	33 763
2020	67 081	2 152 646	32 090	2 043 373	30 461
2021	67 531	2 317 667	34 320	2 195 717	32 514
<b>Seasonally adjusted</b>					
2019 Q3	66 868	568 439	8 501	565 362	8 455
Q4	66 939	568 119	8 487	565 109	8 442
2020 Q1	67 010	562 218	8 390	550 205	8 211
Q2	67 081	488 582	7 283	443 193	6 607
Q3	67 193	546 503	8 133	521 073	7 755
Q4	67 306	555 343	8 251	528 902	7 858
2021 Q1	67 418	556 316	8 252	522 712	7 753
Q2	67 531	578 580	8 568	552 237	8 178
Q3	67 547	586 896	8 689	557 698	8 256
Q4	67 563	595 875	8 820	563 070	8 334
<b>Percentage change, latest year on previous year</b>					
		IHYM	N3Y3	IHYP	N3Y6
2019		3.7	3.2	1.7	1.1
2020		-4.6	-5.0	-9.4	-9.8
2021		7.7	6.9	7.5	6.7
<b>Percentage change, latest quarter on previous quarter</b>					
		IHYN	N3Y4	IHYQ	N3Y7
2019 Q3		1.2	1.1	0.5	0.4
Q4		-0.1	-0.2	-	-0.2
2020 Q1		-1.0	-1.1	-2.6	-2.7
Q2		-13.1	-13.2	-19.4	-19.5
Q3		11.9	11.7	17.6	17.4
Q4		1.6	1.5	1.5	1.3
2021 Q1		0.2	-	-1.2	-1.3
Q2		4.0	3.8	5.6	5.5
Q3		1.4	1.4	1.0	1.0
Q4		1.5	1.5	1.0	0.9
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>					
		IHYO	N3Y5	IHYR	N3Y8
2019 Q3		4.0	3.4	1.6	1.1
Q4		3.1	2.6	1.2	0.7
2020 Q1		0.9	0.4	-2.1	-2.5
Q2		-13.0	-13.4	-21.2	-21.6
Q3		-3.9	-4.3	-7.8	-8.3
Q4		-2.2	-2.8	-6.4	-6.9
2021 Q1		-1.0	-1.6	-5.0	-5.6
Q2		18.4	17.6	24.6	23.8
Q3		7.4	6.8	7.0	6.5
Q4		7.3	6.9	6.5	6.1

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

2 This data uses the UK resident population mid-year estimates published 25 June 2021

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

# Revisions Analysis

## Revisions since previously published estimates<sup>1</sup>

£ million

2020

### Latest less previously published levels of GDP

#### at current market prices

#### National accounts aggregates

#### at current prices (Table A2)

Gross domestic product at market prices

KB7D

—

less Basic price adjustment

KB7E

—

Gross value added at basic prices

KB7F

—

#### Gross domestic product:

#### expenditure at current prices (Table C1)

National expenditure on goods and services

at market prices

Households

KB7K

—

Non-profit institutions serving households

KB7L

—

General government

KB7M

—

Gross fixed capital formation

KB7N

—

Changes in inventories

KB7O

—

Acquisitions less disposals of valuables

KB7P

—

Total

KB7Q

—

Total exports

KB7R

—

Total imports

KB7S

—

Statistical discrepancy (expenditure)

KB7T

—

#### Gross domestic product:

#### income at current prices (Table D)

Compensation of employees

KB7U

—

Gross operating surplus of corporations

KB7V

—

Other income

KB7W

—

Gross value added at factor cost

KB7X

—

Taxes on products & production less Subsidies

KB7Y

—

Statistical discrepancy (income)

KB7Z

—

2020

### Latest less previously published growth rates for GDP

#### in chained volume terms

#### Percentage changes in volume of GDP (Table A2)

Gross domestic product chained volume measures

Year on year growth

KB82

—

#### Percentage changes in volume

#### of GVA output components (Table B1)

GVA at basic prices

Agriculture, forestry and fishing

KB83

—

Mining and quarrying inc oil & gas extraction

KB84

—

Manufacturing

KB85

—

Electricity, gas, steam and air

KB86

—

Water supply, sewerage

KNT7

—

Total Production

KB87

—

Construction

KB88

—

Distribution, hotels and catering; repairs

KB89

—

Transport storage and communications

KB8A

—

Business services and finance

KB8B

—

Government and other services

KB8C

—

Total services

KB8D

—

Total GVA

KB8E

—

Total GVA excluding Oil

KB8F

—

#### Percentage changes in volume

#### of GDP expenditure components (Table C2)

National expenditure on goods and services

at market prices

Households

KB8G

—

Non-profit institutions serving households

KB8H

—

General government

KB8I

—

Gross fixed capital formation

KB8J

—

Total

KB8K

—

Total exports

KB8L

—

Total imports

KB8M

—

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

# R Revisions Analysis

## Revisions since previously published estimates<sup>1</sup>

continued

£ million

		2021 Q1	2021 Q2	2021 Q3
<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	-2 658	398	-302
less Basic price adjustment	KB7E	700	345	1 198
Gross value added at basic prices	KB7F	-3 358	53	-1 500
<b>Gross domestic product:</b>				
<b>expenditure at current prices (Table C1)</b>				
National expenditure on goods and services				
at market prices				
Households	KB7K	-358	1 019	3 146
Non-profit institutions serving households	KB7L	-5	-2	19
General government	KB7M	188	-1 274	-1 658
Gross fixed capital formation	KB7N	-401	-654	492
Changes in inventories	KB7O	-2 018	-414	888
Acquisitions less disposals of valuables	KB7P	-113	-438	1 828
Total	KB7Q	-2 707	-1 763	4 715
Total exports	KB7R	94	950	-1 642
Total imports	KB7S	-528	-1 377	3 198
Statistical discrepancy (expenditure)	KB7T	-573	-166	-177
<b>Gross domestic product:</b>				
<b>income at current prices (Table D)</b>				
Compensation of employees	KB7U	-930	-300	-570
Gross operating surplus of corporations	KB7V	-1 666	2 940	1 544
Other income	KB7W	-52	-257	-105
Gross value added at factor cost	KB7X	-2 648	2 383	869
Taxes on products & production less Subsidies	KB7Y	681	320	1 163
Statistical discrepancy (income)	KB7Z	-691	-2 305	-2 334
		2021 Q1	2021 Q2	2021 Q3
<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	0.1	0.2	-0.1
Quarter on same quarter a year earlier	KB94	0.1	0.4	0.2
<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	0.3	-0.4	-
Mining and quarrying inc oil & gas extraction	KB84	-2.1	-1.9	4.9
Manufacturing	KB85	-	0.2	-
Electricity, gas, steam and air	KB86	0.9	0.3	-0.2
Water supply, sewerage	KNT7	-0.9	0.5	-0.1
Total Production	KB87	-	0.1	0.2
Construction	KB88	-0.3	-0.2	-0.4
Distribution, hotels and catering; repairs	KB89	-0.7	0.6	0.3
Transport storage and communications	KB8A	0.1	0.3	-0.5
Business services and finance	KB8B	-0.2	-0.2	-
Government and other services	KB8C	0.2	-0.1	0.1
Total services	KB8D	-0.1	0.1	-0.1
Total GVA	KB8E	0.1	0.3	-0.1
Total GVA excluding Oil	KB8F	0.1	0.1	-0.1
<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	-0.2	0.6	0.2
Non-profit institutions serving households	KB8H	1.5	-4.1	1.2
General government	KB8I	-0.1	-0.6	0.5
Gross fixed capital formation	KB8J	-0.6	-0.2	0.7
Total	KB8K	0.1	-0.1	1.0
Total exports	KB8L	0.3	0.3	-1.2
Total imports	KB8M	-0.3	-0.5	2.5

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

# AA Annex A - Growth and contributions to growth - output components of GDP<sup>1</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 & catering	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>												
2019	L3BB 15.9	L3BG 3.6	L3BH 1.3	L3BN 3.1	L3DM 12.9	L3DQ -0.5	L3DW -0.1	L3E2 1.6	L3GP 0.6	KI8L 5.4	KI8N 0.2	KI8P 2.6
2020	-9.0	-8.4	-19.0	-9.0	-2.3	-1.7	-16.1	-8.8	-15.1	-9.5	-5.2	-10.3
2021	-0.4	4.7	-13.4	6.8	1.8	5.2	12.7	7.4	12.4	5.7	3.1	12.2
<b>Contributions to growth<sup>2</sup></b>												
	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2019	0.10	0.49	0.02	0.31	0.17	-0.01	-0.01	1.24	0.08	0.54	0.06	0.55
2020	-0.06	-1.15	-0.20	-0.89	-0.03	-0.02	-1.03	-6.99	-2.05	-0.99	-1.72	-2.23
2021	-	0.60	-0.09	0.64	0.03	0.06	0.72	5.81	1.47	0.55	1.08	2.84
<b>Percentage change, latest quarter on previous quarter</b>												
<b>Growth</b>												
2019 Q3	L3BB 11.5	L3BG -0.1	L3BH -2.9	L3BN 0.2	L3DM -0.9	L3DQ -0.7	L3DW -3.6	L3E2 0.7	L3GP -	KI8L 0.4	KI8N 0.9	KI8P 0.8
Q4	2.2	-0.1	-7.5	0.1	4.9	-1.2	-1.9	0.1	-0.4	-0.5	-0.2	0.9
2020 Q1	-7.7	-2.4	-3.7	-2.2	-5.1	0.6	-1.6	-2.7	-4.7	-2.6	-0.9	-4.3
Q2	-15.9	-17.3	-1.0	-21.7	-8.5	-5.3	-35.7	-18.2	-34.1	-15.9	-9.6	-23.2
Q3	6.1	16.5	-4.3	21.7	11.0	4.9	41.4	16.4	50.7	9.9	4.9	23.4
Q4	1.9	2.4	-3.2	3.8	-1.8	0.9	4.8	1.1	-7.2	2.5	2.0	4.3
2021 Q1	-2.3	-0.3	-5.8	-0.6	2.8	1.3	1.6	-1.7	-7.8	-0.5	0.9	-2.9
Q2	2.7	0.8	-17.9	2.0	3.0	0.9	3.4	6.5	21.9	2.9	0.2	10.1
Q3	0.3	0.1	27.1	-0.7	-7.5	1.9	-1.4	1.3	3.7	2.0	0.7	0.7
Q4	-0.3	-0.4	-4.5	-	-3.2	1.8	1.0	1.2	-1.3	3.1	1.4	1.5
<b>Contributions to growth<sup>2</sup></b>												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2019 Q3	0.08	-0.02	-0.03	0.02	-0.01	-0.01	-0.23	0.51	-	0.04	0.30	0.17
Q4	0.02	-0.01	-0.08	0.01	0.07	-0.01	-0.12	0.07	-0.02	-0.05	-0.04	0.19
2020 Q1	-0.06	-0.33	-0.03	-0.22	-0.08	0.01	-0.10	-2.17	-0.65	-0.29	-0.33	-0.90
Q2	-0.11	-2.36	-0.01	-2.15	-0.13	-0.06	-2.24	-14.46	-4.47	-1.61	-3.28	-5.10
Q3	0.04	2.31	-0.05	2.10	0.19	0.07	2.08	13.22	5.40	1.06	1.88	4.88
Q4	0.01	0.34	-0.03	0.38	-0.03	0.01	0.29	0.85	-0.98	0.24	0.66	0.92
2021 Q1	-0.01	-0.04	-0.04	-0.05	0.04	0.02	0.09	-1.32	-0.92	-0.05	0.36	-0.74
Q2	0.02	0.11	-0.10	0.19	0.05	0.01	0.21	5.05	2.41	0.27	0.05	2.40
Q3	-	0.01	0.12	-0.07	-0.11	0.02	-0.08	1.06	0.45	0.21	0.22	0.16
Q4	-	-0.05	-0.03	-	-0.04	0.02	0.06	0.96	-0.14	0.30	0.45	0.37
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>												
<b>Growth</b>												
2019 Q3	L3ZZ 18.4	L426 1.3	L427 -18.8	L42D 2.2	L44C 12.9	L44G -1.0	L44M -1.3	L44Q 1.8	L47F 0.6	KI12 4.6	KI19 0.7	KI18 2.9
Q4	26.6	-0.5	-37.0	2.4	15.9	-0.8	-2.8	1.5	0.4	2.5	0.4	3.3
2020 Q1	9.9	-4.3	-30.7	-3.0	5.7	0.2	-4.6	-1.7	-4.9	-1.7	-0.3	-1.9
Q2	-11.6	-19.5	-14.4	-23.1	-9.7	-6.5	-40.2	-19.9	-37.5	-18.2	-9.8	-25.3
Q3	-15.8	-6.1	-15.6	-6.7	1.1	-1.2	-12.3	-7.3	-5.8	-10.4	-6.3	-8.5
Q4	-16.0	-3.7	-11.7	-3.2	-5.4	0.9	-6.3	-6.4	-12.2	-7.6	-4.3	-5.5
2021 Q1	-11.2	-1.6	-13.6	-1.6	2.5	1.6	-3.2	-5.4	-15.1	-5.6	-2.5	-4.1
Q2	8.5	19.9	-28.3	28.1	15.3	8.2	55.6	23.1	57.1	15.4	8.2	37.4
Q3	2.6	3.0	-4.8	4.6	-3.9	5.2	8.6	7.2	8.1	7.1	3.9	12.1
Q4	0.4	0.1	-6.0	0.7	-5.2	6.1	4.6	7.4	14.9	7.7	3.3	9.1
<b>Contributions to growth<sup>2</sup></b>												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2019 Q3	0.12	0.18	-0.26	0.22	0.17	-0.01	-0.08	1.40	0.07	0.47	0.25	0.62
Q4	0.17	-0.07	-0.60	0.24	0.21	-0.01	-0.18	1.17	0.07	0.25	0.17	0.71
2020 Q1	0.06	-0.61	-0.40	-0.30	0.08	-	-0.29	-1.34	-0.68	-0.20	-0.09	-0.37
Q2	-0.08	-2.66	-0.15	-2.29	-0.15	-0.08	-2.65	-15.71	-5.04	-1.88	-3.28	-5.52
Q3	-0.11	-0.82	-0.16	-0.66	0.02	-0.01	-0.78	-5.81	-0.79	-1.08	-2.09	-1.85
Q4	-0.12	-0.50	-0.11	-0.32	-0.09	0.01	-0.39	-5.10	-1.67	-0.80	-1.43	-1.19
2021 Q1	-0.07	-0.21	-0.09	-0.15	0.04	0.02	-0.19	-4.25	-1.87	-0.55	-0.74	-1.04
Q2	0.06	2.57	-0.22	2.56	0.25	0.11	2.66	18.48	5.77	1.54	3.05	8.43
Q3	0.02	0.38	-0.03	0.43	-0.06	0.06	0.49	5.69	1.04	0.67	1.29	2.83
Q4	-	0.01	-0.04	0.07	-0.08	0.07	0.27	5.79	1.78	0.74	1.12	2.19

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								Net trade	
	House- holds	Non-prof- it instit- utions <sup>3,5</sup>	General govern- ment	Gross capital formation	Gross fixed capital formation	Business investme- nt <sup>4</sup>	Total exports	less Total imports		
Percentage change, latest year on previous year										
Growth										
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N		
2019	1.2	2.1	4.2	-0.1	0.5	0.9	3.4	2.9		
2020	-10.5	-9.9	-5.4	-12.7	-9.4	-11.4	-13.9	-15.9		
2021	6.1	5.9	14.5	10.0	5.3	-0.7	-1.1	3.0		
Contributions to growth										
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U	
2019	0.77	0.05	0.77	-0.01	0.10	0.09	1.02	0.93	0.09	
2020	-6.49	-0.24	-1.01	-2.27	-1.67	-1.14	-4.32	-5.08	0.76	
2021	3.59	0.15	3.25	1.68	0.90	-0.07	-0.32	0.84	-1.15	
Percentage change, latest quarter on previous quarter										
Growth										
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O		
2019 Q3	-0.3	-0.7	0.1	-3.9	1.2	1.2	5.2	0.5		
Q4	-0.6	-0.7	2.6	-13.6	-1.4	-0.3	6.2	-1.0		
2020 Q1	-2.7	-4.1	-2.1	13.3	-2.5	-2.6	-13.6	-6.1		
Q2	-20.0	-18.7	-17.9	-33.2	-18.4	-18.6	-11.4	-22.0		
Q3	19.6	18.1	18.1	36.3	16.1	8.6	0.7	14.8		
Q4	-1.6	4.0	3.7	21.3	3.7	5.0	6.9	14.0		
2021 Q1	-3.9	-4.6	1.7	-2.4	-1.7	-8.6	-7.0	-11.0		
Q2	8.8	4.7	7.7	-10.0	2.1	8.4	7.0	4.3		
Q3	2.9	3.2	-	8.9	-0.2	-0.8	-4.7	3.6		
Q4	1.2	-1.4	1.9	-10.1	2.2	0.9	4.9	-1.5		
Contributions to growth										
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U	
2019 Q3	-0.18	-0.02	0.01	-0.70	0.21	0.12	1.55	0.17	1.37	
Q4	-0.40	-0.02	0.48	-2.33	-0.25	-0.03	1.93	-0.33	2.26	
2020 Q1	-1.66	-0.10	-0.41	1.99	-0.43	-0.26	-4.50	-1.89	-2.61	
Q2	-12.31	-0.44	-3.43	-5.77	-3.22	-1.87	-3.32	-6.54	3.22	
Q3	11.92	0.43	3.55	5.23	2.87	0.87	0.23	4.27	-4.04	
Q4	-1.02	0.10	0.74	3.55	0.66	0.47	1.91	3.95	-2.03	
2021 Q1	-2.22	-0.12	0.38	-0.47	-0.30	-0.80	-1.95	-3.27	1.32	
Q2	4.90	0.12	1.81	-1.90	0.37	0.72	1.84	1.15	0.69	
Q3	1.67	0.08	-	1.45	-0.04	-0.07	-1.26	0.96	-2.21	
Q4	0.69	-0.03	0.45	-1.78	0.36	0.08	1.21	-0.41	1.62	
Percentage change, latest quarter on corresponding quarter of previous year										
Growth										
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P		
2019 Q3	1.2	1.3	3.5	-3.0	0.6	2.5	3.6	1.7		
Q4	-0.1	-2.8	5.4	-17.6	-0.1	2.7	9.1	-2.8		
2020 Q1	-2.8	-3.7	-	-20.0	-4.3	-1.6	-5.2	-15.6		
Q2	-22.9	-23.1	-17.5	-37.2	-20.6	-20.0	-14.4	-27.1		
Q3	-7.6	-8.6	-2.6	-10.9	-8.9	-14.2	-18.1	-16.8		
Q4	-8.5	-4.2	-1.5	25.1	-4.1	-9.6	-17.5	-4.1		
2021 Q1	-9.6	-4.7	2.3	7.7	-3.3	-15.2	-11.2	-9.1		
Q2	23.0	22.7	34.2	45.2	20.9	13.0	7.2	21.6		
Q3	5.8	7.2	13.6	16.0	3.9	3.2	1.4	9.7		
Q4	8.9	1.6	11.6	-14.0	2.3	-0.8	-0.6	-5.3		
Contributions to growth										
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D	
2019 Q3	0.73	0.03	0.64	-0.53	0.11	0.25	1.11	0.54	0.57	
Q4	-0.06	-0.07	0.98	-3.19	-0.02	0.27	2.78	-0.92	3.69	
2020 Q1	-1.74	-0.09	0.01	-4.25	-0.77	-0.16	-1.56	-5.40	3.84	
Q2	-14.29	-0.57	-3.28	-6.71	-3.63	-2.00	-4.29	-8.45	4.16	
Q3	-4.70	-0.21	-0.49	-1.88	-1.57	-1.42	-5.63	-5.23	-0.39	
Q4	-5.24	-0.10	-0.29	3.74	-0.71	-0.97	-5.79	-1.27	-4.52	
2021 Q1	-5.64	-0.12	0.51	1.29	-0.57	-1.47	-3.14	-2.55	-0.59	
Q2	13.39	0.58	7.62	6.31	3.60	1.27	2.21	5.87	-3.66	
Q3	3.46	0.18	3.04	2.59	0.66	0.29	0.36	2.57	-2.21	
Q4	5.10	0.04	2.65	-2.71	0.40	-0.07	-0.16	-1.58	1.41	

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

4 Whilst quality assuring the business investment dataset, a discrepancy was found where annual Non-Seasonally Adjusted CVM data does not equal annual Seasonally Adjusted CVM data for the years 1997 to 2019. This issue affects Business Investment and its component assets. The largest difference in any given year is -£9m in business investment and -£13m in sub-components. The correct data series to use for the annual timeline is the Non-Seasonally Adjusted series, NPEN.

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.

# 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
2019	4.8	3.3	2.4	2.4
2020	2.9	-0.9	-1.8	-49.8
2021	6.0	5.2	2.8	52.0
<b>Contributions to growth</b>				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2019	2.28	0.72	0.43	0.28
2020	1.43	-0.19	-0.31	-5.91
2021	3.17	1.20	0.51	3.23
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Growth</b>				
	KGI4	KH4W	KH6U	KH66
2019 Q3	1.1	5.5	-0.9	-2.6
Q4	0.6	-1.5	0.8	-1.3
2020 Q1	0.9	-2.3	-0.9	-5.4
Q2	-2.6	-4.3	-2.4	-104.5
Q3	3.9	8.8	2.0	-1 342.8
Q4	2.6	-1.3	-0.8	13.9
2021 Q1	0.1	2.7	1.6	-9.3
Q2	2.2	2.7	1.4	35.5
Q3	1.5	-4.3	0.1	19.7
Q4	0.8	2.2	1.2	4.1
<b>Contributions to growth</b>				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2019 Q3	0.51	1.14	-0.15	-0.30
Q4	0.51	-0.61	0.26	-0.26
2020 Q1	0.42	-0.49	-0.16	-0.60
Q2	-1.31	-0.93	-0.42	-11.51
Q3	2.19	2.11	0.39	7.66
Q4	1.35	-0.30	-0.14	0.87
2021 Q1	0.07	0.70	0.31	-0.75
Q2	1.14	0.62	0.25	2.27
Q3	0.74	-0.95	0.02	1.60
Q4	0.43	0.46	0.21	0.40
<b>Percentage change, latest quarter on corresponding quarter of previous year</b>				
<b>Growth</b>				
	KGI5	KH4X	KH6V	KH67
2019 Q3	4.9	4.9	1.4	2.4
Q4	3.5	5.6	0.7	1.0
2020 Q1	4.3	-1.3	-1.0	-4.8
Q2	-0.1	-2.8	-3.3	-104.1
Q3	2.7	0.2	-0.6	-47.9
Q4	4.8	0.4	-2.1	-39.9
2021 Q1	3.9	5.6	0.3	-42.3
Q2	9.1	13.3	4.2	-1 840.6
Q3	6.5	-0.4	2.3	67.6
Q4	4.7	3.2	4.3	53.2
<b>Contributions to growth</b>				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2019 Q3	2.38	1.08	0.25	0.28
Q4	1.68	1.18	0.12	0.12
2020 Q1	2.11	-0.29	-0.17	-0.57
Q2	-0.06	-0.61	-0.60	-12.63
Q3	1.31	0.04	-0.10	-5.65
Q4	2.28	0.09	-0.37	-4.50
2021 Q1	1.88	1.15	0.06	-4.44
Q2	5.07	3.16	0.83	10.45
Q3	3.39	-0.09	0.41	4.28
Q4	2.45	0.71	0.76	3.77

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				Gross fixed capital formation	Total exports	less Total imports
	Households	Non-profit institutions <sup>2</sup>	General government	Gross capital formation			
Percentage change, latest year on previous year							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
2019	1.3	1.8	2.0	3.0	2.8	2.0	1.1
2020	0.8	12.8	19.9	2.2	1.7	0.6	-0.5
2021	2.5	-3.3	-5.4	1.1	1.8	3.4	4.4
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2019 Q3	0.3	2.2	3.8	0.1	0.4	0.6	1.2
Q4	-	2.1	-0.5	-1.5	0.1	-0.9	-1.8
2020 Q1	0.9	4.2	1.1	1.4	0.9	1.5	-0.6
Q2	-0.6	21.6	38.8	3.9	-0.2	-1.8	-0.5
Q3	0.2	-14.8	-15.2	-5.7	0.6	0.8	0.8
Q4	-0.1	-3.5	-2.2	4.9	0.2	0.7	1.6
2021 Q1	1.2	6.3	2.9	-1.0	1.4	1.0	1.0
Q2	1.0	-4.2	-10.0	0.8	-0.5	1.1	0.3
Q3	1.0	-2.5	1.5	-0.5	0.9	0.5	1.6
Q4	0.3	1.9	1.5	0.5	-	3.2	3.4
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2019 Q3	1.5	1.9	3.7	4.2	3.2	1.9	1.6
Q4	0.9	2.8	2.1	3.1	2.3	0.5	-0.2
2020 Q1	1.5	8.2	4.5	3.1	2.6	2.2	0.3
Q2	0.6	32.2	44.8	3.9	1.3	-0.7	-1.7
Q3	0.5	10.2	18.3	-2.1	1.5	-0.4	-2.1
Q4	0.4	4.2	16.3	4.2	1.5	1.2	1.3
2021 Q1	0.8	6.3	18.4	1.7	2.0	0.7	2.9
Q2	2.3	-16.3	-23.2	-1.3	1.6	3.7	3.7
Q3	3.2	-4.1	-8.1	4.2	1.9	3.4	4.6
Q4	3.6	1.2	-4.7	-0.2	1.7	5.9	6.5

<sup>1</sup> 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

<sup>2</sup> 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	Distri- bution, hotels & catering	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
2019	15.9	3.6	1.3	3.1	12.9	-0.5	-0.1	1.6	0.6	5.4	0.2	2.6
2020	-9.0	-8.4	-19.0	-9.0	-2.3	-1.7	-16.1	-8.8	-15.1	-9.5	-5.2	-10.3
2021	-0.4	4.7	-13.4	6.8	1.8	5.2	12.7	7.4	12.4	5.7	3.1	12.2
<b>Previous estimates<sup>2</sup></b>												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2018	-10.9	3.5	5.0	3.9	2.0	0.5	-2.0	1.6	-1.4	9.5	0.5	1.5
2019	15.9	3.6	1.3	3.1	12.9	-0.5	-0.1	1.6	0.6	5.4	0.2	2.6
2020	-9.0	-8.4	-19.0	-9.0	-2.3	-1.7	-16.1	-8.8	-15.1	-9.5	-5.2	-10.3
<b>Revisions</b>												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2018	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-
<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
2019 Q3	11.5	-0.1	-2.9	0.2	-0.9	-0.7	-3.6	0.7	-	0.4	0.9	0.8
Q4	2.2	-0.1	-7.5	0.1	4.9	-1.2	-1.9	0.1	-0.4	-0.5	-0.2	0.9
2020 Q1	-7.7	-2.4	-3.7	-2.2	-5.1	0.6	-1.6	-2.7	-4.7	-2.6	-0.9	-4.3
Q2	-15.9	-17.3	-1.0	-21.7	-8.5	-5.3	-35.7	-18.2	-34.1	-15.9	-9.6	-23.2
Q3	6.1	16.5	-4.3	21.7	11.0	4.9	41.4	16.4	50.7	9.9	4.9	23.4
Q4	1.9	2.4	-3.2	3.8	-1.8	0.9	4.8	1.1	-7.2	2.5	2.0	4.3
2021 Q1	-2.3	-0.3	-5.8	-0.6	2.8	1.3	1.6	-1.7	-7.8	-0.5	0.9	-2.9
Q2	2.7	0.8	-17.9	2.0	3.0	0.9	3.4	6.5	21.9	2.9	0.2	10.1
Q3	0.3	0.1	27.1	-0.7	-7.5	1.9	-1.4	1.3	3.7	2.0	0.7	0.7
Q4	-0.3	-0.4	-4.5	-	-3.2	1.8	1.0	1.2	-1.3	3.1	1.4	1.5
<b>Previous estimates<sup>2</sup></b>												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2019 Q3	11.5	-0.1	-2.9	0.2	-0.9	-0.7	-3.6	0.7	-	0.4	0.9	0.8
Q4	2.2	-0.1	-7.5	0.1	4.9	-1.2	-1.9	0.1	-0.4	-0.5	-0.2	0.9
2020 Q1	-7.7	-2.4	-3.7	-2.2	-5.1	0.6	-1.6	-2.7	-4.7	-2.6	-0.9	-4.3
Q2	-15.9	-17.3	-1.0	-21.7	-8.5	-5.3	-35.7	-18.2	-34.1	-15.9	-9.6	-23.2
Q3	6.1	16.5	-4.3	21.7	11.0	4.9	41.4	16.4	50.7	9.9	4.9	23.4
Q4	1.9	2.4	-3.2	3.8	-1.8	0.9	4.8	1.1	-7.2	2.5	2.0	4.3
2021 Q1	-2.6	-0.3	-3.7	-0.6	1.9	2.2	1.9	-1.6	-7.1	-0.6	1.1	-3.1
Q2	3.1	0.7	-16.0	1.8	2.7	0.4	3.6	6.4	21.3	2.6	0.4	10.2
Q3	0.3	-0.1	22.2	-0.7	-7.3	2.0	-1.0	1.4	3.4	2.5	0.7	0.6
<b>Revisions</b>												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2019 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2020 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2021 Q1	0.3	-	-2.1	-	0.9	-0.9	-0.3	-0.1	-0.7	0.1	-0.2	0.2
Q2	-0.4	0.1	-1.9	0.2	0.3	0.5	-0.2	0.1	0.6	0.3	-0.2	-0.1
Q3	-	0.2	4.9	-	-0.2	-0.1	-0.4	-0.1	0.3	-0.5	-	0.1

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 Quarterly National Accounts

3 Current estimate refers to the estimates released within this publication (GDP first quarterly estimate)

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## 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	Constr- uction	Total Services	Distri- bution, hotels & catering	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
2019 Q3	18.4	1.3	-18.8	2.2	12.9	-1.0	-1.3	1.8	0.6	4.6	0.7	2.9
Q4	26.6	-0.5	-37.0	2.4	15.9	-0.8	-2.8	1.5	0.4	2.5	0.4	3.3
2020 Q1	9.9	-4.3	-30.7	-3.0	5.7	0.2	-4.6	-1.7	-4.9	-1.7	-0.3	-1.9
Q2	-11.6	-19.5	-14.4	-23.1	-9.7	-6.5	-40.2	-19.9	-37.5	-18.2	-9.8	-25.3
Q3	-15.8	-6.1	-15.6	-6.7	1.1	-1.2	-12.3	-7.3	-5.8	-10.4	-6.3	-8.5
Q4	-16.0	-3.7	-11.7	-3.2	-5.4	0.9	-6.3	-6.4	-12.2	-7.6	-4.3	-5.5
2021 Q1	-11.2	-1.6	-13.6	-1.6	2.5	1.6	-3.2	-5.4	-15.1	-5.6	-2.5	-4.1
Q2	8.5	19.9	-28.3	28.1	15.3	8.2	55.6	23.1	57.1	15.4	8.2	37.4
Q3	2.6	3.0	-4.8	4.6	-3.9	5.2	8.6	7.2	8.1	7.1	3.9	12.1
Q4	0.4	0.1	-6.0	0.7	-5.2	6.1	4.6	7.4	14.9	7.7	3.3	9.1
<b>Previous estimates<sup>2</sup></b>												
	A2DZ	A2E2	A2E4	A2E3	A2E5	A2EE	A2EK	A2EL	A2EM	A2EN	A2EO	A2EP
2019 Q3	18.4	1.3	-18.8	2.2	12.9	-1.0	-1.3	1.8	0.6	4.6	0.7	2.9
Q4	26.6	-0.5	-37.0	2.4	15.9	-0.8	-2.8	1.5	0.4	2.5	0.4	3.3
2020 Q1	9.9	-4.3	-30.7	-3.0	5.7	0.2	-4.6	-1.7	-4.9	-1.7	-0.3	-1.9
Q2	-11.6	-19.5	-14.4	-23.1	-9.7	-6.5	-40.2	-19.9	-37.5	-18.2	-9.8	-25.3
Q3	-15.8	-6.1	-15.6	-6.7	1.1	-1.2	-12.3	-7.3	-5.8	-10.4	-6.3	-8.5
Q4	-16.0	-3.7	-11.7	-3.2	-5.4	0.9	-6.3	-6.4	-12.2	-7.6	-4.3	-5.5
2021 Q1	-11.4	-1.6	-11.7	-1.7	1.5	2.5	-2.9	-5.3	-14.4	-5.8	-2.3	-4.3
Q2	8.6	19.8	-25.0	27.8	14.0	8.6	56.5	23.3	57.6	14.9	8.5	37.4
Q3	2.6	2.8	-4.2	4.3	-4.8	5.6	9.6	7.4	8.2	7.2	4.2	12.1
<b>Revisions</b>												
	ZZ4N	ZZ4O	ZZ4Q	ZZ4P	ZZ4R	ZZ4S	ZZ4T	ZZ4U	ZZ4V	ZZ4W	ZZ4X	ZZ4Y
2019 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2020 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2021 Q1	0.2	-	-1.9	0.1	1.0	-0.9	-0.3	-0.1	-0.7	0.2	-0.2	0.2
Q2	-0.1	0.1	-3.3	0.3	1.3	-0.4	-0.9	-0.2	-0.5	0.5	-0.3	-
Q3	-	0.2	-0.6	0.3	0.9	-0.4	-1.0	-0.2	-0.1	-0.1	-0.3	-

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 Quarterly National Accounts

3 Current estimate refers to the estimates released within this publication (GDP first quarterly estimate)

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

# 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
	House- holds	Non-prof- it instit- utions <sup>3,6</sup>	General govern- ment	Gross Capital Formation	Gross Fixed Capital Formation	Business investme nt <sup>5</sup>	Total exports	
Percentage change, latest year on previous year								
Current estimates <sup>4</sup>								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2019	1.2	2.1	4.2	-0.1	0.5	0.9	3.4	2.9
2020	-10.5	-9.9	-5.4	-12.7	-9.4	-11.4	-13.9	-15.9
2021	6.1	5.9	14.5	10.0	5.3	-0.7	-1.1	3.0
Previous estimates <sup>2</sup>								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2018	2.1	9.0	0.4	1.0	-0.1	-2.0	2.8	3.1
2019	1.2	2.1	4.2	-0.1	0.5	0.9	3.4	2.9
2020	-10.5	-9.9	-5.4	-12.7	-9.4	-11.4	-13.9	-15.9
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2018	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-
Percentage change, latest quarter on previous quarter								
Current estimates <sup>4</sup>								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2019 Q3	-0.3	-0.7	0.1	-3.9	1.2	1.2	5.2	0.5
Q4	-0.6	-0.7	2.6	-13.6	-1.4	-0.3	6.2	-1.0
2020 Q1	-2.7	-4.1	-2.1	13.3	-2.5	-2.6	-13.6	-6.1
Q2	-20.0	-18.7	-17.9	-33.2	-18.4	-18.6	-11.4	-22.0
Q3	19.6	18.1	18.1	36.3	16.1	8.6	0.7	14.8
Q4	-1.6	4.0	3.7	21.3	3.7	5.0	6.9	14.0
2021 Q1	-3.9	-4.6	1.7	-2.4	-1.7	-8.6	-7.0	-11.0
Q2	8.8	4.7	7.7	-10.0	2.1	8.4	7.0	4.3
Q3	2.9	3.2	-	8.9	-0.2	-0.8	-4.7	3.6
Q4	1.2	-1.4	1.9	-10.1	2.2	0.9	4.9	-1.5
Previous estimates <sup>2</sup>								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2019 Q3	-0.3	-0.7	0.1	-3.9	1.2	1.2	5.2	0.5
Q4	-0.6	-0.7	2.6	-13.6	-1.4	-0.3	6.2	-1.0
2020 Q1	-2.7	-4.1	-2.1	13.3	-2.5	-2.6	-13.6	-6.1
Q2	-20.0	-18.7	-17.9	-33.2	-18.4	-18.6	-11.4	-22.0
Q3	19.6	18.1	18.1	36.3	16.1	8.6	0.7	14.8
Q4	-1.6	4.0	3.7	21.3	3.7	5.0	6.9	14.0
2021 Q1	-3.7	-6.1	1.8	-3.1	-1.1	-7.5	-7.3	-10.7
Q2	8.2	8.8	8.3	-8.8	2.3	8.3	6.7	4.8
Q3	2.7	2.0	-0.5	4.8	-0.9	-2.5	-3.5	1.1
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2019 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2020 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2021 Q1	-0.2	1.5	-0.1	0.7	-0.6	-1.1	0.3	-0.3
Q2	0.6	-4.1	-0.6	-1.2	-0.2	0.1	0.3	-0.5
Q3	0.2	1.2	0.5	4.1	0.7	1.7	-1.2	2.5

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 estimates refers to estimates from the Quarterly National Accounts

3 Non-profit institutions serving households

4 Current estimates refers to the estimates within this publication (GDP first quarterly estimate)

5 Whilst quality assuring the business investment dataset, a discrepancy was found where annual Non-Seasonally Adjusted CVM data does not equal annual Seasonally Adjusted CVM data for the years 1997 to 2019. This issue affects Business Investment and its component assets. The largest difference in any given year is -£9m in business investment and -£13m in the sub-components. The correct data series to use for the annual timeline is the Non-Seasonally Adjusted series, NPEN.

6 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.

# 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							
	House-holds	Non-prof- it instit- utions <sup>3</sup>	General govern- ment	Gross capital formation	Gross fixed capital formation	Business investme nt	Total exports	less Total imports
<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
2019 Q3	1.2	1.3	3.5	-3.0	0.6	2.5	3.6	1.7
Q4	-0.1	-2.8	5.4	-17.6	-0.1	2.7	9.1	-2.8
2020 Q1	-2.8	-3.7	-	-20.0	-4.3	-1.6	-5.2	-15.6
Q2	-22.9	-23.1	-17.5	-37.2	-20.6	-20.0	-14.4	-27.1
Q3	-7.6	-8.6	-2.6	-10.9	-8.9	-14.2	-18.1	-16.8
Q4	-8.5	-4.2	-1.5	25.1	-4.1	-9.6	-17.5	-4.1
2021 Q1	-9.6	-4.7	2.3	7.7	-3.3	-15.2	-11.2	-9.1
Q2	23.0	22.7	34.2	45.2	20.9	13.0	7.2	21.6
Q3	5.8	7.2	13.6	16.0	3.9	3.2	1.4	9.7
Q4	8.9	1.6	11.6	-14.0	2.3	-0.8	-0.6	-5.3
<b>Previous estimates<sup>2</sup></b>								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2019 Q3	1.2	1.3	3.5	-3.0	0.6	2.5	3.6	1.7
Q4	-0.1	-2.8	5.4	-17.6	-0.1	2.7	9.1	-2.8
2020 Q1	-2.8	-3.7	-	-20.0	-4.3	-1.6	-5.2	-15.6
Q2	-22.9	-23.1	-17.5	-37.2	-20.6	-20.0	-14.4	-27.1
Q3	-7.6	-8.6	-2.6	-10.9	-8.9	-14.2	-18.1	-16.8
Q4	-8.5	-4.2	-1.5	25.1	-4.1	-9.6	-17.5	-4.1
2021 Q1	-9.5	-6.2	2.4	6.9	-2.8	-14.2	-11.5	-8.8
Q2	22.5	25.5	35.0	46.1	21.9	14.2	6.5	22.5
Q3	5.3	8.4	13.7	12.3	3.9	2.6	2.0	7.9
<b>Revisions</b>								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2019 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2020 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2021 Q1	-0.1	1.5	-0.1	0.8	-0.5	-1.0	0.3	-0.3
Q2	0.5	-2.8	-0.8	-0.9	-1.0	-1.2	0.7	-0.9
Q3	0.5	-1.2	-0.1	3.7	-	0.6	-0.6	1.8

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 estimates refers to the estimates from Quarterly National Accounts

3 Non-profit institutions serving households

4 Current estimates refers to the estimates within this publication (GDP first quarterly estimate)

# AG

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

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
2019	4.8	3.3	2.4	2.4
2020	2.9	-0.9	-1.8	-49.8
2021	6.0	5.2	2.8	52.0
<b>Previous estimates<sup>2</sup></b>				
	A2CT	A2CU	A2CV	A2CW
2018	4.1	2.3	4.8	3.0
2019	4.8	3.3	2.4	2.4
2020	2.9	-0.9	-1.8	-49.8
<b>Revisions</b>				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2018	-	-	-	-
2019	-	-	-	-
2020	-	-	-	-
<b>Percentage change, latest quarter on previous quarter</b>				
<b>Current estimates<sup>3</sup></b>				
	KGI4	KH4W	KH6U	KH66
2019 Q3	1.1	5.5	-0.9	-2.6
Q4	0.6	-1.5	0.8	-1.3
2020 Q1	0.9	-2.3	-0.9	-5.4
Q2	-2.6	-4.3	-2.4	-104.5
Q3	3.9	8.8	2.0	-1 342.8
Q4	2.6	-1.3	-0.8	13.9
2021 Q1	0.1	2.7	1.6	-9.3
Q2	2.2	2.7	1.4	35.5
Q3	1.5	-4.3	0.1	19.7
Q4	0.8	2.2	1.2	4.1
<b>Previous estimates<sup>2</sup></b>				
	A2CL	A2CM	A2CN	A2CO
2019 Q3	1.1	5.5	-0.9	-2.6
Q4	0.6	-1.5	0.8	-1.3
2020 Q1	0.9	-2.3	-0.9	-5.4
Q2	-2.6	-4.3	-2.4	-104.5
Q3	3.9	8.8	2.0	-1 342.8
Q4	2.6	-1.3	-0.8	13.9
2021 Q1	0.4	4.1	1.6	-11.0
Q2	2.0	-0.9	1.6	37.2
Q3	1.6	-3.3	-0.1	18.0
<b>Revisions</b>				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2019 Q3	-	-	-	-
Q4	-	-	-	-
2020 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2021 Q1	-0.3	-1.4	-	1.7
Q2	0.2	3.6	-0.2	-1.7
Q3	-0.1	-1.0	0.2	1.7

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 estimates refers to estimates from the Quarterly National Accounts

3 Current estimates refers to estimates within this publication (GDP first quarterly estimate)



**AG** Annex G - Income components of GDP- growths and revisions from previous estimate<sup>1,2</sup>, Current Price  
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
2019 Q3	4.9	4.9	1.4	2.4
Q4	3.5	5.6	0.7	1.0
2020 Q1	4.3	-1.3	-1.0	-4.8
Q2	-0.1	-2.8	-3.3	-104.1
Q3	2.7	0.2	-0.6	-47.9
Q4	4.8	0.4	-2.1	-39.9
2021 Q1	3.9	5.6	0.3	-42.3
Q2	9.1	13.3	4.2	-1 840.6
Q3	6.5	-0.4	2.3	67.6
Q4	4.7	3.2	4.3	53.2
<b>Previous estimates<sup>2</sup></b>				
	A2CP	A2CQ	A2CR	A2CS
2019 Q3	4.9	4.9	1.4	2.4
Q4	3.5	5.6	0.7	1.0
2020 Q1	4.3	-1.3	-1.0	-4.8
Q2	-0.1	-2.8	-3.3	-104.1
Q3	2.7	0.2	-0.6	-47.9
Q4	4.8	0.4	-2.1	-39.9
2021 Q1	4.3	7.0	0.4	-43.4
Q2	9.2	10.7	4.5	-1 829.1
Q3	6.7	-1.6	2.4	64.2
<b>Revisions</b>				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2019 Q3	-	-	-	-
Q4	-	-	-	-
2020 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2021 Q1	-0.4	-1.4	-0.1	1.1
Q2	-0.1	2.6	-0.3	-11.5
Q3	-0.2	1.2	-0.1	3.4

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