

Statistical bulletin

GDP first quarterly estimate, UK: July to September 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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Next release:
22 December 2021

Notice

19 November 2021

We have identified an error within our production of GFCF and [Business Investment](#) transport estimates in 2021 Q2 and 2021 Q3. There will be no impact on GDP.

This is because we balance our GDP estimates using an alignment of the different approaches to measuring GDP, so the impact from this error would be offset during our balancing process. This is because the new data increases the level of expenditure and we were previously adjusting up this approach to GDP to align to the other GDP measures. As part of our production process GDP estimates will be updated in-line with the National Accounts revision policy in the next release on 22nd December 2021.

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1 . Main points

- UK gross domestic product (GDP) is estimated to have increased by 1.3% in Quarter 3 (Jul to Sept) 2021 following the continued easing of coronavirus (COVID-19) restrictions.
- In output terms, the largest contributors to this increase were from hospitality, arts and recreation and health following the further easing of restrictions and reopening of the economy.
- The level of quarterly GDP is now 2.1% below where it was before the coronavirus pandemic at Quarter 4 (Oct to Dec) 2019; we also published an article, which further [examines the comparisons to pre-coronavirus pandemic levels between quarterly and monthly GDP estimates](#).
- In Quarter 3 2021, household consumption made the largest contribution to expenditure; there was a fall in underlying inventories, likely reflecting some of the recent supply chain challenges, and a negative contribution from net trade.

GDP estimates for Quarter 3 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 1.3% in Quarter 3 (Jul to Sept) 2021 (Figure 1). This follows the 5.5% increase in the previous quarter, where there was an easing in many of the coronavirus (COVID-19) restrictions. The level of real quarterly GDP in the UK is now 2.1% below where it was before the coronavirus pandemic at the end of 2019.

[Monthly estimates](#) published today show GDP improved across the three months in Quarter 3. Revised estimates show that GDP fell in July by 0.2% and saw a modest pickup in August (0.2%). There was more of a rebound in September (0.6%), driven by services output growth (0.7%), as human health activities increased strongly.

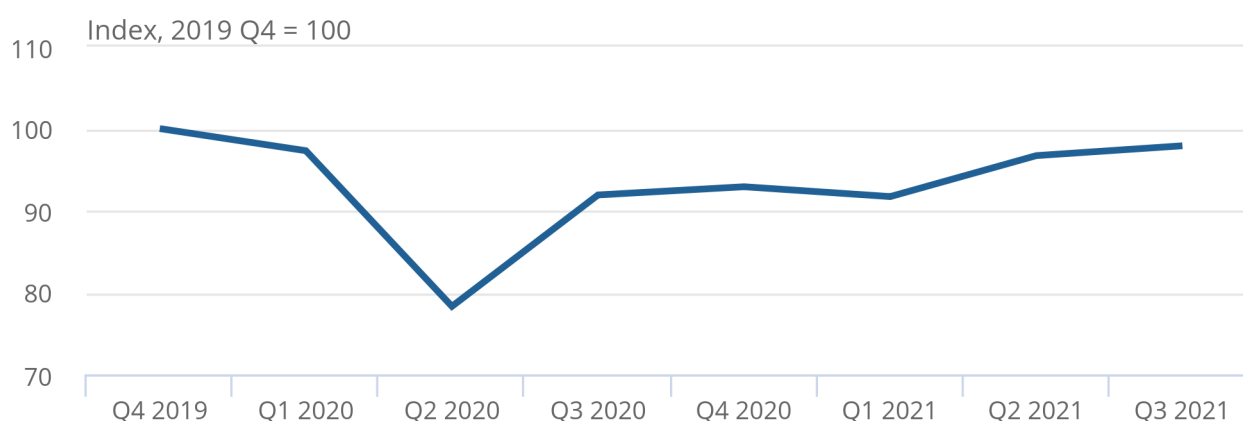
For more information, please see the [Monthly GDP release](#), and [comparisons to pre-coronavirus pandemic levels between quarterly and monthly GDP estimates](#).

Figure 1: Real GDP increased by 1.3% in Quarter 3 (July to Sept) 2021 as restrictions were further eased, and is now 2.1% below its pre-coronavirus level

UK, Quarter 4 (Oct to Dec) 2019 to Quarter 3 (July to Sept) 2021

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UK, Quarter 4 (Oct to Dec) 2019 to Quarter 3 (July to Sept) 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.

Nominal GDP rose by 1.4% in Quarter 3 2021 and is now 3.2% above its Quarter 4 (Oct to Dec) 2019 levels. The implied GDP deflator represents the broadest measure of inflation in the domestic economy, reflecting changes in the price of all goods and services that comprise GDP. The implied deflator increased by 0.2% in the third quarter of 2021, driven by a rise in the household (0.8%) implied deflator, partially offset by a fall in the government implied deflator (-0.7%). Compared with the same quarter a year ago, the implied GDP deflator rose by 0.5%. Similarly, this reflected an increase in the household implied deflator (2.4%) partially offset by a fall in the government implied deflator (-10.7%).

Table 1: Headline national account indicators for the UK

% growth¹

	Chained volume measures				Current market prices		
	GDP	Household expenditure	Gross fixed capital formation	GDP per head ³	GDP	Compensation of employees	GDP implied deflator
Seasonally adjusted							
2020	-9.7	-10.5	-9.1	-10.1	-4.4	2.6	5.9
2020 Q1	-2.7	-2.6	-2.6	-2.8	-0.9	0.9	1.9
2020 Q2	-19.6	-20.3	-19.3	-19.7	-13.0	-2.9	8.2
2020 Q3	17.4	19.9	18.9	17.2	11.7	3.9	-4.9
2020 Q4	1.1	-1.8	4.4	0.9	1.4	2.4	0.3
2021 Q1	-1.4	-4.4	-3.0	-1.5	0.9	0.5	2.3
2021 Q2	5.5	7.2	0.8	5.3	3.1	1.8	-2.3
2021 Q3	1.3	2.0	0.8	1.1	1.4	1.5	0.2

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.

Several countries have published first estimates of real GDP for Quarter 3 2021. France and Italy had the largest increases in the third quarter of 2021, reflecting the reopening of the economies and easing of restrictions. However, these two countries have yet to recover to their pre-coronavirus pandemic levels of GDP. The United States is the only G7 economy to have recovered to above pre-coronavirus pandemic levels.

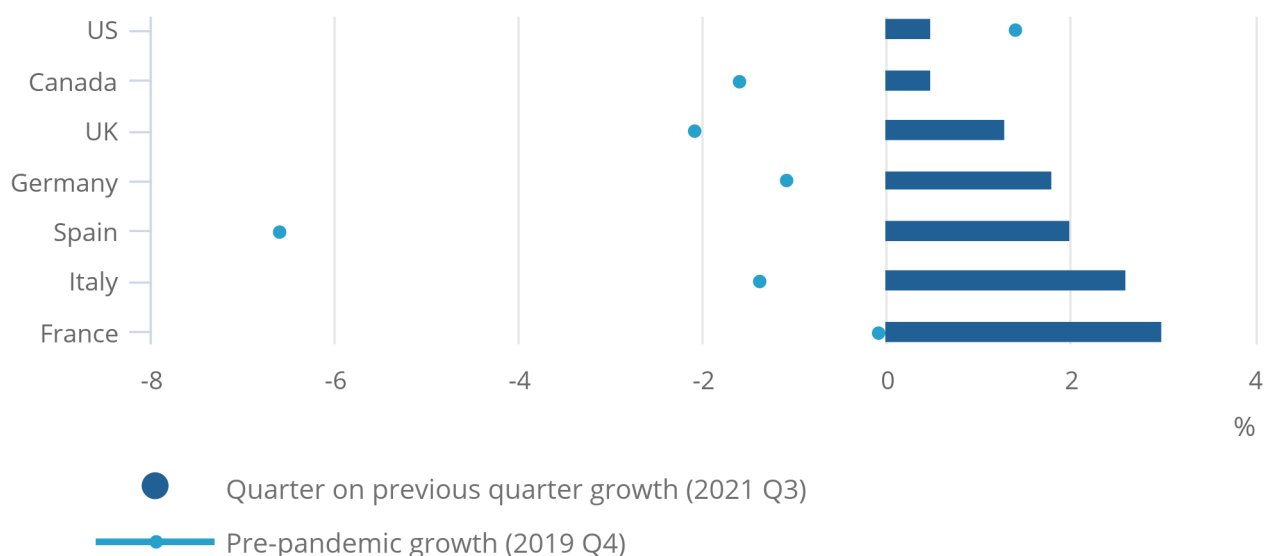
More information on the international comparability of GDP estimates can be found in the article [International comparisons of GDP during the coronavirus \(COVID-19\) pandemic](#).

Figure 2: France and Italy had the largest quarterly increases of these selected countries in the third quarter

Percentage change, real GDP, Quarter 3 (July to Sept) 2021; and real GDP Quarter 3 (July to Sept) 2021 relative to Quarter 4 (Oct to Dec) 2019

Figure 2: France and Italy had the largest quarterly increases of these selected countries in the third quarter

Percentage change, real GDP, Quarter 3 (July to Sept) 2021; and real GDP Quarter 3 (July to Sept) 2021 relative to Quarter 4 (Oct to Dec) 2019



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

Notes:

1. Chart shows the percentage change in real GDP in Quarter 3 (July to Sept) 2021 compared with Quarter 2 (Apr to June) 2021 and pre-coronavirus Quarter 4 (Oct to Dec) 2019.
2. Data as of 3 November 2021.

3 . Output

Services and production output rose in Quarter 3 (Jul to Sept) 2021 as coronavirus (COVID-19) restrictions continued to ease to varying degrees in [England](#), [Scotland](#) and [Wales](#). Construction output, however, fell in Quarter 3 2021.

Services

There was a rise in services output of 1.6% in Quarter 3 2021, having grown by 6.5% in Quarter 2 (Apr to June) 2021. Services output has almost recovered to pre-coronavirus pandemic levels and is now 0.7% below Quarter 4 (Oct to Dec) 2019 levels.

Accommodation and food services rose by 30% in Quarter 3 2021, while the arts, entertainment and recreation services increased by 19.6%, following the relaxation of almost all coronavirus public health restrictions on 19 July 2021, including the re-opening of indoor hospitality by varying degrees in [England](#), [Scotland](#) and [Wales](#). Consumer facing services output increased by 2.2% in Quarter 3 2021.

Human health activities increased by 3.5% in Quarter 3 2021, reflecting a large increase in GP face-to-face consultations and activities of other practice staff in clinics.

Administrative and support activities growth was driven by a pick up in travel agency, tour operator and other reservation service and related activities, though activity remains historically low.

Education output remained broadly similar with a rise of 0.4% in Quarter 3 2021, reflecting lower school attendances because of self-isolation. It remains 4.2% below pre-coronavirus pandemic levels.

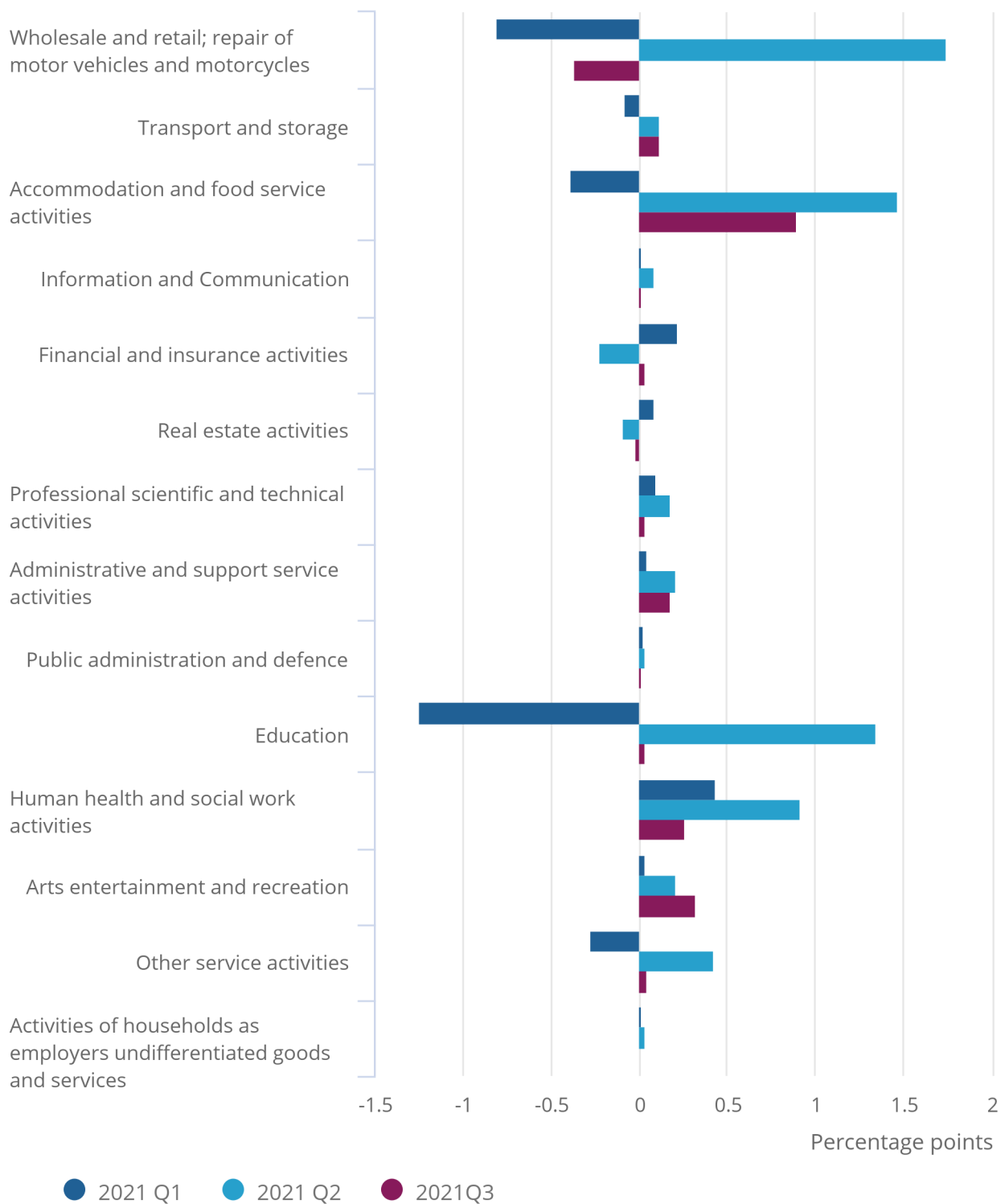
The 2.5% fall in wholesale and retail trade output was driven by weak consumer spending. The [retail sales index](#) shows that sales volume fell across Quarter 3 2021, falling in July (-2.9%), August (-0.6%) and September (-0.2%). Automotive fuel sales volumes rose by 2.9% in September because of a spike in demand at the end of September, caused by concerns of fuel shortages. There was a slowdown in car sales, though, driven by microchip shortages and supply chain disruptions, as further explained in the [monthly GDP bulletin](#).

Figure 3: Hospitality, arts and recreation, and health were the main contributors to the growth in services in Quarter 3 2021 following the easing of restrictions

UK, contributions to services growth, Quarter 1 (Jan to Mar) to Quarter 3 (July to Sept) 2021

Figure 3: Hospitality, arts and recreation, and health were the main contributors to the growth in services in Quarter 3 2021 following the easing of restrictions

UK, contributions to services growth, Quarter 1 (Jan to Mar) to Quarter 3 (July to Sept) 2021



Source: Office for National Statistics – GDP first quarterly estimate

Notes:

1. Chart shows contribution to services growth between 2020 Q4 (Oct to Dec) and 2021 Q1 (Jan to Mar), and 2021 Q1 (Jan to Mar) and 2021 Q2 (Apr to June).
2. Components contribution may not sum to total because of rounding.

Production

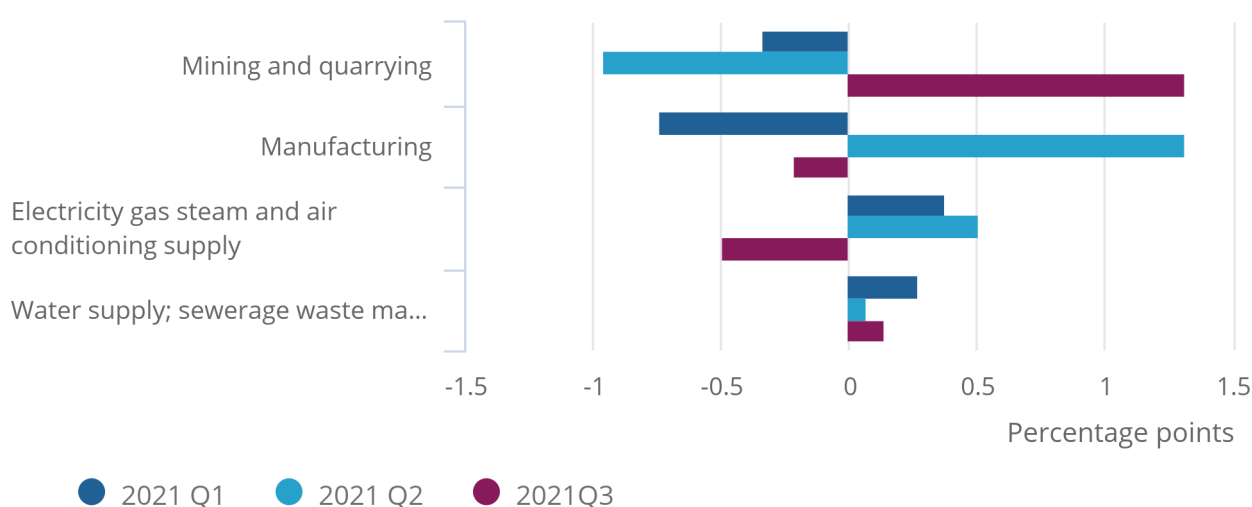
Production output rose by 0.8% in Quarter 3 2021 and is now 2.1% below its pre-coronavirus pandemic levels. The largest contribution to the quarterly increase was from mining and quarrying, with output rising by 26.3% in Quarter 3 2021 following three consecutive quarters of contraction. The increase is in part because of the reopening of sites that had previously been temporarily closed for planned maintenance.

Figure 4: Production output increased by 0.8% in Quarter 3 2021 driven by a large increase in mining and quarrying

UK, contributions to production growth, Quarter 1 (Jan to Mar) to Quarter 3 (July to Sept) 2021

Figure 4: Production output increased by 0.8% in Quarter 3 2021 driven by a large increase in mining and quarrying

UK, contributions to production growth, Quarter 1 (Jan to Mar) to Quarter 3 (July to Sept) 2021



Source: Office for National Statistics – GDP first quarterly estimate

Notes:

1. Chart shows contribution to production growth between 2020 Q4 (Oct to Dec) to 2021 Q1 (Jan to Mar), and 2021 Q1 (Jan to Mar) to 2021 Q2 (Apr to June).
2. Components contribution may not sum to total because of rounding.

There was a 0.3% decline in manufacturing output in Quarter 3 2021. The manufacture of transport equipment saw a 0.9% fall, which partly reflects a sharp decline of 8.2% in the manufacture of motor vehicles in September 2021, the largest fall since May 2021. There was also a fall in the sales and repair of motor vehicles (13.3%) in September 2021, the largest fall since January 2021, following a revised 0.1% fall in August 2021. The largest contribution to the fall of manufacturing output in Quarter 3 2021 was from the manufacture of rubber and plastics products, and other non-metallic mineral products, while the manufacture of basic pharmaceutical products and pharmaceutical preparations made the largest positive contribution.

Construction

Construction output fell by 1.5% in Quarter 3 2021, after four consecutive quarterly increases. There was a fall across all sub-sectors of construction reflecting challenges faced by the construction industry from rising input prices and delays to the availability of construction products, as explained in the [monthly GDP bulletin](#).

4 . Expenditure

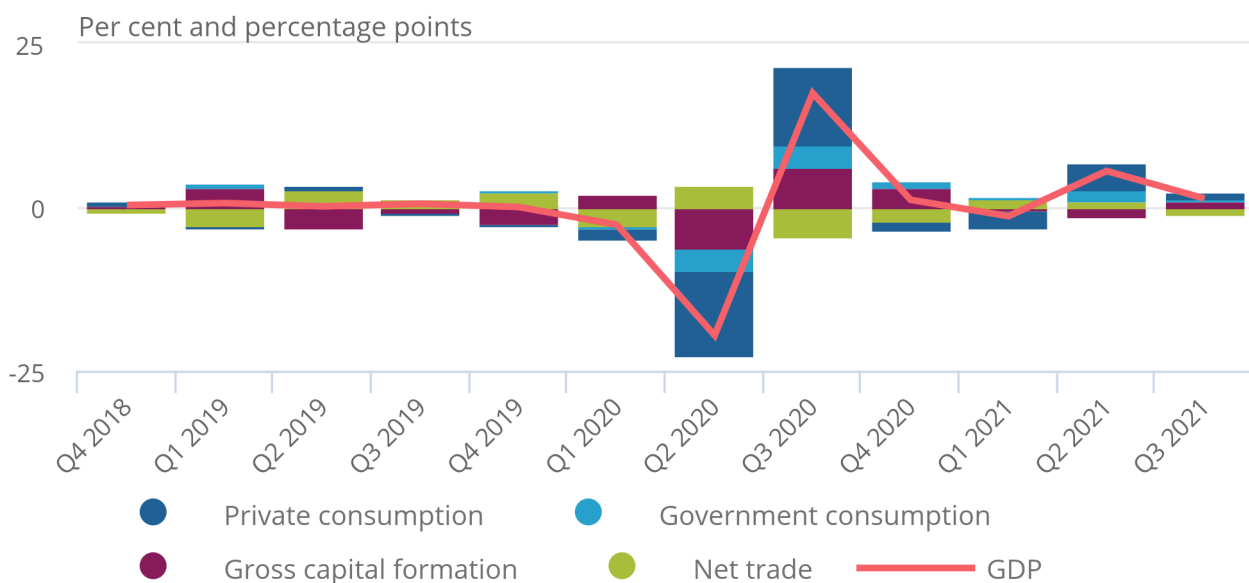
There was a quarterly increase in most of the main expenditure components, with the largest contribution from household consumption (Figure 5). Underlying inventories fell (Table 2), likely reflecting some of the recent supply chain challenges. There was a negative contribution from net trade in Quarter 3 (Jul to Sept) 2021.

Figure 5: Private consumption had the largest positive contribution to growth in Quarter 3 (July to Sept) 2021

UK, contributions to expenditure, Quarter 4 (Oct to Dec) 2018 to Quarter 3 (July to Sept) 2021

Figure 5: Private consumption had the largest positive contribution to growth in Quarter 3 (July to Sept) 2021

UK, contributions to expenditure, Quarter 4 (Oct to Dec) 2018 to Quarter 3 (July to Sept) 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.
4. Components contribution may not sum to total because of rounding.

Household consumption

In Quarter 3 2021, household consumption increased by 2.0%, reflecting the continued easing of coronavirus (COVID-19) restrictions. In comparison with levels before the coronavirus pandemic, household consumption is now 4.4% lower than in Quarter 4 (Oct to Dec) 2019. The largest contributions were from spending on restaurants and hotels (30.9%) and transport (4.5%), which was partly offset by household goods and services (-9.6%), and clothing and footwear (-7.7%).

Consumption of government goods and services

In Quarter 3 2021, real government consumption increased by 0.9%, mainly driven by increases in health. The consumption of health services increased by 3.4% in Quarter 3 2021 as there was strong growth in non-COVID-19 health activity, in particular with General Practice (GP) appointments. Since Quarter 2 (Apr to June) 2020, the Office for National Statistics (ONS) have used data from the [Appointments in General Practice](#) bulletin, published by NHS Digital, to inform our estimates of primary care services. These data incorporate the full range of services offered by GP practices in England. Excluded from these numbers are any activity relating to GP surgery-based COVID-19 vaccinations; a recently introduced measure captures the entire COVID-19 vaccination programme.

Growth in health services was further boosted by NHS Test and Trace and the COVID-19 vaccination programme. Our [monthly GDP bulletin](#) provides details on the NHS Test and Trace and COVID-19 vaccination activity. Information for how we estimate this type of non-market activity can be found in the [accompanying article](#).

Elsewhere, the consumption of education services marginally increased by 0.1% in Quarter 3 2021.

Gross capital formation

Gross fixed capital formation increased by 0.8% in Quarter 3 2021, and government investment rose by 4.3%. There was a modest 0.4% increase in business investment in Quarter 3 2021, which remains 12.4% below its pre-coronavirus pandemic levels. The Bank of England's [Decision Maker Panel](#) survey found that businesses estimated that their capital expenditure in Quarter 3 2021 would be 11% lower than normal because of the coronavirus pandemic.

The underlying change in inventories was a fall of £2.2 billion in Quarter 3 2021. This was driven by falls in inventories for Other industries (including motor trades and construction), with reported falls in the stock of new cars because of the semi-conductor shortage and new cars availability. Retail trade also saw falls in inventories, with some companies reporting lower than usual stock at this time of year because of supply chain issues.

We previously referred to [practical challenges in balancing GDP](#) during the pandemic. For these reasons, rather than forcing a GDP balance for expenditure by heavily adjusting the expenditure components, we have decided to show the best estimate of each underlying component of expenditure at this stage.

In doing so, this means that the alignment adjustment, used to align expenditure to average GDP, is larger than normal (Table 2). Note that alignment and balancing adjustments are typically applied to the inventories component to help balance the different approaches to GDP. More detail can be found in [Section 8: Measuring the data](#). Therefore, the unadjusted data can provide a better understanding of the change in the inventory position of businesses in the whole economy.

This approach preserves the component level movements and shows the level of challenge and uncertainty currently within the expenditure approach to GDP. Work will continue before the next GDP quarterly national accounts release with a focus on the expenditure approach to GDP. We will continue to review this over the coming months as and when more information becomes available.

Table 2: Change in inventories, including and excluding balancing and alignment adjustments
UK, Quarter 1 (Jan to Mar) 2021 to Quarter 3 (July to September) 2021

	Change in Inventories	Of which alignment	Of which balancing	Change in Inventories excluding alignment and balancing
2021 Q1 Current price	5,368	2,562		2,806
Chained volume measure	4,215	2,339		1,876
2021 Q2 Current price	4,562	2,977	100	1,485
Chained volume measure	2,996	2,800	100	96
2021 Q3 Current price	5,362	6,278	1,000	-1,916
Chained volume measure	4,736	5,928	1,000	-2,192

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 balance fell to a deficit of -1.2% of GDP in Quarter 3 2021 (Figure 6), with net trade detracting from quarterly growth.

In volume terms, total exports fell by 1.9% in Quarter 3 2021, driven by a fall in exports of goods (-5.8%), particularly in unspecified goods, machinery and transport equipment, and material manufactures. The rise in service exports was driven by financial services, as well as other business services where GDP balancing adjustments have been applied.

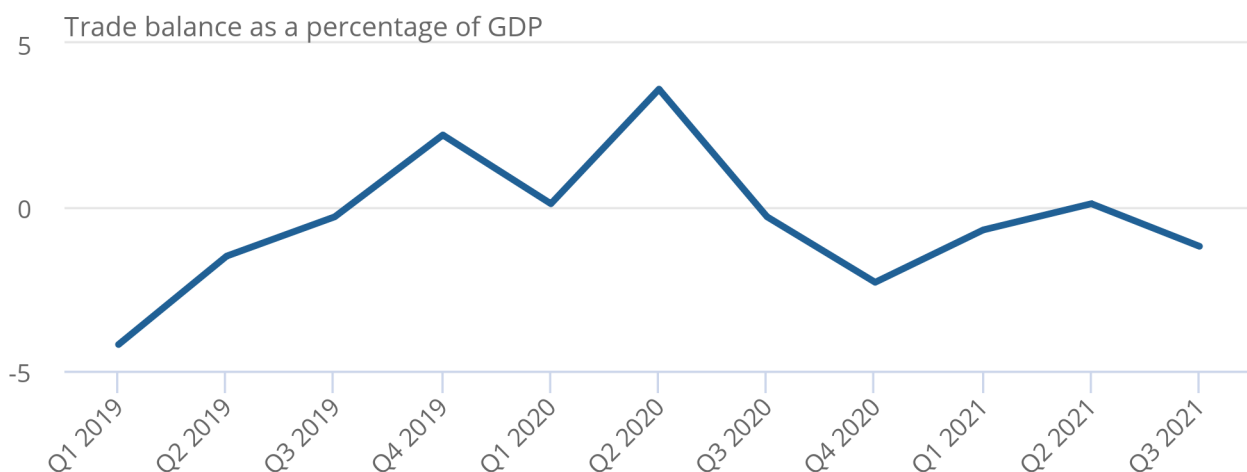
Total import volumes saw a rise of 2.5% in Quarter 3 2021, with higher goods imports (particularly in fuels, unspecified goods and chemicals) partly offset by a fall in service imports in other business services, and telecommunications, computer and information services. Imports of travel services increased, reflecting summer holidays and some easing in international travel restrictions.

Figure 6: The UK's trade balance was 1.2% of nominal GDP in Quarter 3 (July to Sept) 2021

UK, Quarter 1 (Jan to Mar) 2019 to Quarter 3 (July to Sept) 2021

Figure 6: The UK's trade balance was 1.2% of nominal GDP in Quarter 3 (July to Sept) 2021

UK, Quarter 1 (Jan to Mar) 2019 to Quarter 3 (July to Sept) 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).

5 . Income

Nominal gross domestic product (GDP) rose by 1.4% in Quarter 3 (Jul to Sept) 2021 and remains above its level before the coronavirus (COVID-19) pandemic. This rise was driven by an increase in taxes less subsidies, compensation of employees, and gross operating surplus (GOS) (Figure 7).

Taxes in Quarter 3 2021 increased by 1.8%, primarily driven by increases in revenue from national non-domestic rates (NNDR) and a small rise in value-added tax (VAT). This increase in NNDR reflects the gradual reduction in business rates relief introduced in response to the coronavirus pandemic. There was also a marked 33.8% fall in subsidies, primarily driven by reduced payments through the Coronavirus Job Retention Scheme (CJRS) and Self-Employment Income Support Scheme (SEISS).

Compensation of employees increased by 1.5% in Quarter 3 2021, driven by increases in wages and salaries (1.8%) and employers' social contributions (0.4%), reflecting higher employers' pension contributions.

Figure 7: Nominal GDP increased by 1.4% in Quarter 3 (July to Sept) 2021

UK, Quarter 1 (Jan to Mar) 2019 to Quarter 3 (July to Sept) 2021

Figure 7: Nominal GDP increased by 1.4% in Quarter 3 (July to Sept) 2021

UK, Quarter 1 (Jan to Mar) 2019 to Quarter 3 (July to Sept) 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.

Total GOS of corporations fell by 5.0% in Quarter 3 2021. However, this mainly reflects the alignment adjustment that is applied to this component for the purpose of balancing the income estimate of GDP for this quarter (Table 3). Excluding the alignment adjustment, GOS grew by 0.4%.

We previously referred to [practical challenges in balancing GDP](#) during the coronavirus pandemic. This in part reflects large government interventions in response to the pandemic in areas such as employment costs via the CJRS subsidy to businesses and the SEISS payment to the self-employed. These schemes, alongside various business grants, tax deferrals and the VAT rate cut for the hospitality sector, have all made the measurement of income more challenging across 2020 and 2021.

For these reasons, rather than forcing a GDP balance for income by adjusting the income components, we have decided to show the best estimate of each underlying component of income at this stage.

In doing so, this means that the alignment adjustment, used to align income to average GDP, is larger than normal (Table 3). This both preserves the component level movements and shows the current level of challenge and uncertainty within the income approach to GDP. Work will continue before the GDP quarterly national accounts release to understand what is causing the relative strength within the income approach to GDP. We will continue to review this over the coming months as and when more information becomes available, as previous quarters are open to revision.

Table 3: Gross operating surplus of corporations, including and excluding alignment adjustments
UK, Quarter 1 (Jan to Mar) 2021 to Quarter 3 (July to September) 2021

	Gross operating surplus of corporations	Of which alignment	Gross operating surplus of corporations excluding alignment	Gross operating surplus of corporations excluding alignment
Quarter-on-quarter growth				
2021 Q1	129,587	2,952	126,635	0.4
2021 Q2	128,529	94	128,435	1.4
2021 Q3	122,097	-6,865	128,962	0.4

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 . GDP first quarterly estimate data

[GDP – data tables](#)

Dataset | Released on 11 November 2021

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 on 11 November 2021

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

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

Dataset | Released on 11 November 2021

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

7 . 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](#).

8 . Measuring the data

In line with the [National Accounts Revisions Policy](#), data for Quarter 3 (Jul to Sept) 2021 are published for the first time, with no revision to previous quarters.

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 focussing 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 quarter are shown in Table 4. The resulting series should be considered accordingly. There are also balancing adjustments applied to prior quarters as part of the [Quarterly National Accounts](#) release on 30 September 2021 .

Table 4: Balancing adjustments applied to the GDP first quarterly estimate dataset
Quarter 3 (July to September) 2021

GDP measurement approach and component adjustment applied to		Q3 2021
Expenditure		
Trade in Services (exports)	Current prices	3,800
	Chained volume measure	2,800
Valuables	Current prices	1,500
	Chained volume measure	
Change in inventories	Current prices	1,000
	Chained volume measure	1,000
Income		
Private non-financial corporations GoS	Current prices	-700
Financial corporations GoS	Current prices	-400

Source: Office for National Statistics – GDP first quarterly estimate

Notes

1. Adjustments are in £ million.

9 . 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 \(GDP\) QMI](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations.

GDP estimates for Quarter 3 (Jul to Sept) 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. Bodies outside the UK National Statistical System are also free to respond to the consultations themselves.

10 . 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: September 2021](#)

Bulletin | Released 11 November 2021

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: September 2021](#)

Bulletin | Released 11 November 2021

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: September 2021](#)

Bulletin | Released 11 November 2021

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: September 2021](#)

Bulletin | Released 11 November 2021

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.

A1 Gross domestic product and gross value added^{1,2}

2019 = 100

	Value indices at current prices		Chained volume indices			Implied deflators ³		
	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
2018	96.4	96.3	98.4	98.2	98.3	98.3	98.0	98.0
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	95.6	96.6	90.3	90.2	90.0	105.5	105.9	107.1
Seasonally adjusted								
2019 Q2	99.6	99.3	99.8	99.9	100.0	99.8	99.8	99.4
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	99.9	100.6	97.5	97.5	97.5	101.8	102.4	103.2
Q2	86.9	88.2	78.4	78.3	77.6	111.1	110.8	112.6
Q3	97.1	98.4	92.1	92.0	92.2	105.1	105.4	106.9
Q4	98.5	99.3	93.1	93.0	92.6	105.3	105.7	106.8
2021 Q1	99.4	100.8	91.9	91.8	91.8	107.5	108.2	109.8
Q2	102.5	103.1	96.9	96.8	96.6	105.2	105.7	106.6
Q3	104.0	104.8	98.2	98.0	97.9	105.5	105.9	106.9
Percentage change, latest year on previous year								
	IHYM	KGL6	IHYP	KGM7	L489	KH7D	IHYS	KGM4
2018	3.7	3.7	1.7	1.6	1.3	1.9	2.0	2.1
2019	3.7	3.8	1.7	1.8	1.7	1.7	2.0	2.0
2020	-4.4	-3.4	-9.7	-9.8	-10.0	5.5	5.9	7.1
Percentage change, latest quarter on previous quarter								
	IHYN	KGL8	IHYQ	KGM9		KH7E	IHYT	KGM5
2019 Q2	0.8	0.4	0.1	0.2	0.3	0.8	0.6	0.2
Q3	1.2	1.6	0.5	0.3	0.3	1.0	0.8	1.3
Q4	-0.1	0.1	-	-	-0.2	-0.3	-	0.1
2020 Q1	-0.9	-0.4	-2.7	-2.7	-2.6	1.3	1.9	2.4
Q2	-13.0	-12.3	-19.6	-19.6	-20.4	9.1	8.2	9.1
Q3	11.7	11.5	17.4	17.5	18.7	-5.3	-4.9	-5.1
Q4	1.4	1.0	1.1	1.1	0.5	0.2	0.3	-0.1
2021 Q1	0.9	1.4	-1.4	-1.3	-0.9	2.1	2.3	2.8
Q2	3.1	2.4	5.5	5.5	5.2	-2.2	-2.3	-3.0
Q3	1.4	1.6	1.3	1.3	1.4	0.3	0.2	0.3
Percentage change, latest quarter on corresponding quarter of previous year								
	IHYO	KGM2	IHYR	KGN3	L48D	KH7F	IHYU	KGM6
2019 Q2	3.8	4.1	1.8	2.1	1.9	1.8	2.0	2.0
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	1.1	1.8	-2.2	-2.2	-2.2	2.8	3.3	4.1
Q2	-12.7	-11.1	-21.4	-21.6	-22.4	11.3	11.1	13.3
Q3	-3.7	-2.5	-8.1	-8.2	-8.1	4.3	4.8	6.2
Q4	-2.3	-1.6	-7.1	-7.2	-7.4	4.8	5.2	6.0
2021 Q1	-0.5	0.2	-5.8	-5.9	-5.8	5.6	5.6	6.4
Q2	17.9	16.9	23.6	23.6	24.5	-5.3	-4.6	-5.4
Q3	7.1	6.5	6.6	6.5	6.2	0.3	0.5	-

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

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

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

A2 Gross domestic product and gross value added¹

£ million

	At current prices			Chained volume measures (Reference year 2019)			
	Gross domestic product at market prices	less Basic price adjustment ²	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment ²	Gross value added at basic prices	Gross value added excluding oil & gas ^{3,4}
	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
2018	2 174 380	231 761	1 942 619	2 218 196	236 903	1 981 300	1 963 301
2019	2 255 283	237 939	2 017 344	2 255 283	237 939	2 017 344	1 999 160
2020	2 156 073	206 468	1 949 605	2 036 660	216 701	1 819 959	1 805 774
Seasonally adjusted							
2019 Q2	561 476	60 865	500 611	562 779	58 995	503 785	499 384
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	563 176	55 808	507 368	549 856	58 238	491 618	487 968
Q2	490 191	45 174	445 017	442 274	47 135	395 139	391 491
Q3	547 436	51 202	496 234	519 390	55 286	464 104	460 583
Q4	555 270	54 284	500 986	525 140	56 042	469 098	465 732
2021 Q1	560 426	52 225	508 201	517 998	55 183	462 815	459 651
Q2	577 800	57 601	520 199	546 556	58 352	488 204	485 680
Q3	586 106	57 528	528 578	553 412	59 041	494 371	491 074
Percentage change, latest year on previous year							
	IHYM		KGL6	IHYP		KGM7	KLH8
2018	3.7		3.7	1.7		1.6	1.5
2019	3.7		3.8	1.7		1.8	1.8
2020	-4.4		-3.4	-9.7		-9.8	-9.7
Percentage change, latest quarter on previous quarter							
	IHYN		KGL8	IHYQ		KGM9	
2019 Q2	0.8		0.4	0.1		0.2	0.5
Q3	1.2		1.6	0.5		0.3	0.4
Q4	-0.1		0.1	-		-	-
2020 Q1	-0.9		-0.4	-2.7		-2.7	-2.7
Q2	-13.0		-12.3	-19.6		-19.6	-19.8
Q3	11.7		11.5	17.4		17.5	17.6
Q4	1.4		1.0	1.1		1.1	1.1
2021 Q1	0.9		1.4	-1.4		-1.3	-1.3
Q2	3.1		2.4	5.5		5.5	5.7
Q3	1.4		1.6	1.3		1.3	1.1
Percentage change, latest quarter on corresponding quarter of previous year							
	IHYO		KGM2	IHYR		KGN3	KLH9
2019 Q2	3.8		4.1	1.8		2.1	2.0
Q3	4.0		4.1	1.6		1.6	1.9
Q4	3.1		3.4	1.2		1.1	1.7
2020 Q1	1.1		1.8	-2.2		-2.2	-1.8
Q2	-12.7		-11.1	-21.4		-21.6	-21.6
Q3	-3.7		-2.5	-8.1		-8.2	-8.1
Q4	-2.3		-1.6	-7.1		-7.2	-7.1
2021 Q1	-0.5		0.2	-5.8		-5.9	-5.8
Q2	17.9		16.9	23.6		23.6	24.1
Q3	7.1		6.5	6.6		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 new annuals produced as part of Blue Book 2021 for the oil and gas sector, we have decided to only publish from 2006 onwards. As part of Blue Book 2022, we will continue this. 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 <https://www.ons.gov.uk/economy/grossdomesticproductgdp/articles/impactofbluebook2021changesonquarterlyand-monthlyvolumeestimatesofgrossdomesticproductbyindustry/2021-09-08>

B1 Gross value added at chained volume measures basic prices, by category of output^{1,2}

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 & resta- urants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services	Total	Gross value added ⁴	Gross value added excluding oil & gas
2019 Weights³	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
2018	86.3	98.7	97.0	88.6	100.5	96.6	100.2	99.4	94.9	99.8	97.5	98.5	98.2	98.2
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	80.5	91.2	97.9	98.2	91.8	83.9	85.8	90.3	94.8	89.7	91.2	90.2	90.3
Seasonally adjusted														
2019 Q2	95.0	97.2	99.6	100.9	101.0	99.6	103.0	100.1	100.2	99.6	99.6	99.7	99.9	99.9
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	83.2	97.6	100.3	99.8	97.0	95.6	95.6	97.0	99.5	97.6	97.9	97.5	97.6
Q2	83.9	80.6	76.6	91.5	94.4	80.1	61.6	63.6	81.6	89.7	74.4	79.9	78.3	78.3
Q3	89.2	80.8	93.5	100.5	98.9	93.8	86.9	95.3	90.2	94.1	91.8	93.1	92.0	92.2
Q4	90.8	77.5	97.2	99.1	99.8	96.1	91.3	88.5	92.5	96.0	95.0	93.9	93.0	93.2
2021 Q1	88.4	73.5	96.2	102.4	102.7	95.7	93.3	82.0	92.1	97.1	91.5	92.3	91.8	92.0
Q2	91.2	61.8	97.9	106.9	103.6	96.6	96.9	99.7	93.5	97.3	101.5	98.2	96.8	97.2
Q3	91.8	78.1	97.7	102.6	105.1	97.3	95.3	102.9	94.7	97.8	104.2	99.8	98.0	98.3
Percentage change, latest year on previous year														
	L3BB	L3BH	L3BN	L3DM	L3DQ	L3BG	L3DW	L3GP	KI8L	KI8N	KI8P	L3E2	KGM7	KLH8
2018	-10.9	5.0	3.9	2.0	0.5	3.5	-2.0	-1.4	9.5	0.5	1.5	1.6	1.6	1.5
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	-9.1	-19.5	-8.8	-2.1	-1.8	-8.3	-16.1	-14.2	-9.7	-5.2	-10.3	-8.8	-9.8	-9.7
Percentage change, latest quarter on previous quarter														
													KGM9	
2019 Q2	4.5	-19.8	-1.1	7.1	1.5	-1.8	2.6	0.2	1.1	-0.1	0.9	0.3	0.2	0.5
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	-4.6	-2.2	-4.4	0.6	-2.4	-1.8	-4.1	-3.1	-0.8	-3.6	-2.6	-2.7	-2.7
Q2	-16.0	-3.2	-21.6	-8.8	-5.4	-17.4	-35.6	-33.5	-15.9	-9.9	-23.8	-18.3	-19.6	-19.8
Q3	6.3	0.3	22.1	9.9	4.7	17.1	41.2	50.0	10.5	4.9	23.4	16.5	17.5	17.6
Q4	1.8	-4.0	3.9	-1.4	0.9	2.5	5.0	-7.2	2.5	2.0	3.5	0.9	1.1	1.1
2021 Q1	-2.6	-5.2	-1.0	3.4	2.9	-0.4	2.2	-7.3	-0.5	1.1	-3.7	-1.8	-1.3	-1.3
Q2	3.1	-15.9	1.8	4.4	0.8	1.0	3.8	21.6	1.6	0.2	10.9	6.5	5.5	5.7
Q3	0.7	26.3	-0.3	-4.0	1.5	0.8	-1.5	3.1	1.3	0.5	2.7	1.6	1.3	1.1
Percentage change, latest quarter on corresponding quarter of previous year														
	L3ZZ	L427	L42D	L44C	L44G	L426	L44M	L47F	KII2	KIH9	KIH8	L44Q	KGN3	KLH9
2019 Q2	4.9	9.9	2.8	17.9	0.3	4.5	3.0	0.7	6.0	-0.1	2.5	1.5	2.1	2.0
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	-31.3	-3.0	6.5	0.3	-4.4	-4.7	-4.3	-2.1	-0.1	-1.2	-1.5	-2.2	-1.8
Q2	-11.7	-17.1	-23.1	-9.3	-6.5	-19.6	-40.2	-36.5	-18.5	-9.9	-25.3	-19.9	-21.6	-21.6
Q3	-15.8	-14.4	-6.3	0.6	-1.4	-5.7	-12.4	-4.8	-10.3	-6.3	-8.5	-7.3	-8.2	-8.1
Q4	-16.1	-11.2	-2.7	-5.5	0.7	-3.4	-6.3	-11.3	-7.5	-4.3	-6.2	-6.5	-7.2	-7.1
2021 Q1	-11.5	-11.7	-1.5	2.1	3.0	-1.4	-2.4	-14.3	-5.1	-2.5	-6.2	-5.7	-5.9	-5.8
Q2	8.7	-23.3	27.9	16.9	9.7	20.6	57.3	56.8	14.6	8.5	36.4	22.9	23.6	24.1
Q3	3.0	-3.3	4.4	2.1	6.3	3.8	9.7	7.9	5.0	4.0	13.5	7.2	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 at chained volume measures basic prices, by category of output^{1,2}

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 ⁴	Total services
2019 Weights³	105	102	29	82	131	125	48	59	76	35	792
	L2NE	KI8M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2018	100.2	94.9	96.7	101.6	98.8	99.7	96.6	95.1	99.2	99.3	98.5
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	93.2	90.3	58.3	96.4	99.1	89.5	102.5	82.6	93.9	73.7	91.2
Seasonally adjusted											
2019 Q2	100.1	100.2	99.8	99.5	100.0	99.2	99.6	99.6	99.8	99.0	99.7
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	96.5	97.0	91.3	98.6	100.4	99.1	101.6	90.7	101.0	94.5	97.9
Q2	77.1	81.6	14.7	93.5	98.0	78.6	102.4	54.3	81.3	53.3	79.9
Q3	100.4	90.2	75.7	95.8	98.7	88.3	102.9	89.0	93.8	76.1	93.1
Q4	98.8	92.5	51.4	97.7	99.1	91.8	103.2	96.3	99.3	70.9	93.9
2021 Q1	93.1	92.1	41.8	99.8	99.6	92.8	103.6	80.7	103.5	66.4	92.3
Q2	105.3	93.5	78.4	97.9	99.1	95.0	104.0	97.3	112.4	79.9	98.2
Q3	102.6	94.7	102.0	98.1	99.0	96.4	104.2	97.7	115.1	87.9	99.8
Percentage change, latest year on previous year											
	L3E4	KI8L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2018	-1.4	9.5	-1.1	-0.5	1.7	-	1.1	5.1	-1.4	2.3	1.6
2019	-0.2	5.4	3.4	-1.6	1.2	0.3	3.5	5.2	0.8	0.7	1.6
2020	-6.8	-9.7	-41.7	-3.6	-0.9	-10.6	2.5	-17.4	-6.1	-26.3	-8.8
Percentage change, latest quarter on previous quarter											
2019 Q2	-0.1	1.1	0.4	-0.7	0.3	-	0.7	1.6	0.6	-	0.3
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	-3.1	-3.1	-9.3	-1.0	0.2	-1.8	0.4	-11.1	0.5	-7.0	-2.6
Q2	-20.2	-15.9	-83.8	-5.1	-2.4	-20.7	0.7	-40.2	-19.5	-43.6	-18.3
Q3	30.4	10.5	413.1	2.4	0.7	12.4	0.5	64.0	15.3	42.7	16.5
Q4	-1.7	2.5	-32.0	2.1	0.3	4.1	0.3	8.2	5.9	-6.9	0.9
2021 Q1	-5.7	-0.5	-18.7	2.1	0.5	1.0	0.4	-16.2	4.2	-6.4	-1.8
Q2	13.1	1.6	87.6	-1.9	-0.5	2.4	0.4	20.6	8.6	20.4	6.5
Q3	-2.5	1.3	30.0	0.3	-0.1	1.5	0.2	0.4	2.4	10.0	1.6
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	KI12	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2019 Q2	-0.1	6.0	3.5	-2.3	1.7	-0.4	3.8	5.3	0.9	-0.8	1.5
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	-3.7	-2.1	-8.1	-1.5	0.7	-0.1	2.8	-7.5	1.8	-4.6	-1.5
Q2	-23.0	-18.5	-85.2	-6.0	-1.9	-20.8	2.8	-45.5	-18.5	-46.2	-19.9
Q3	0.4	-10.3	-24.5	-4.9	-1.4	-12.4	2.6	-11.2	-6.7	-24.2	-7.3
Q4	-0.9	-7.5	-48.9	-1.9	-1.2	-9.0	1.9	-5.6	-1.2	-30.3	-6.5
2021 Q1	-3.6	-5.1	-54.2	1.2	-0.8	-6.4	1.9	-11.1	2.5	-29.8	-5.7
Q2	36.6	14.6	431.9	4.6	1.1	21.0	1.5	79.3	38.2	49.9	22.9
Q3	2.1	5.0	34.8	2.5	0.3	9.2	1.3	9.7	22.8	15.5	7.2

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

2 Components of outputs 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 prices¹

£ 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 ²	General government	Gross fixed capital formation	Of which business investment ³	Change in inventories ^{4,6}	Of which alignment adjustment	Acquisitions less disposals of valuables ^{5,6}	Total exports	Gross final expenditure	less imports	Trade balance ⁷					
ABJQ	HAYE	NMRP	NPQS	NPEK	CAEX	DMUN	NPJQ	YBIL	IKBH	ABMF	IKBI	IKBJ	GIXM	YBHA		
2018	1 359 732	52 577	399 044	386 464	217 284	2 035	2 826 2	202 678 663	325 2	866 003 691	623	-28 298	-	2 174 380		
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	1 258 106	55 189	480 374	369 644	204 256	-8 829	143 2	154 627 600	973 2	755 600 596	693	4 280	-2 834	2 156 073		
Seasonally adjusted																
2019 Q2	350 179	13 549	103 410	99 301	56 356	2 871	1 811	567	569 877	167 336	737 213	175 737	-8 401	-	561 476	
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	341 411	13 925	108 502	97 372	55 936	143	3 116	736	562 089	161 933	724 022	161 166	767	320	563 176	
Q2	270 902	13 766	123 147	79 379	44 724	-4 218	-3 216	-8 321	474 655	142 251	616 906	124 477	17 774	-2 238	490 191	
Q3	326 241	13 741	122 598	94 310	50 479	-6 901	475	109	550 098	142 740	692 838	144 345	-1 605	-1 057	547 436	
Q4	319 552	13 757	126 127	98 583	53 117	2 147	-375	7 619	567 785	154 049	721 834	166 705	-12 656	141	555 270	
2021 Q1	309 038	13 902	131 366	96 419	48 859	5 368	2 562	8 351	564 444	143 613	708 057	147 760	-4 147	129	560 426	
Q2	333 595	14 148	127 426	97 568	51 008	4 562	2 977	-343	576 956	153 637	730 593	152 919	718	126	577 800	
Q3	343 041	14 345	127 659	98 676	51 192	5 362	6 278	3 659	592 742	151 250	743 992	158 018	-6 768	132	586 106	
Percentage change, latest year on previous year																
	KGy7	KGZ8	KH2C	KG6O	KG6N			KGX3	KH2O	KGv7	KH3H				IHYM	
2018	4.2	10.6	2.7	2.3	0.2			3.7	5.3	4.1	5.3				3.7	
2019	2.6	3.9	6.3	3.4	3.9			3.3	5.4	3.8	4.1				3.7	
2020	-9.8	1.0	13.3	-7.5	-9.6			-5.3	-14.1	-7.4	-17.1				-4.4	
Percentage change, latest quarter on previous quarter																
	KGy8	KGZ9	KH2D	KG6W	KG6V			KGX4	KH2P	KGv8	KH3I				IHYN	
2019 Q2	1.2	1.3	-0.2	-0.5	1.5			-1.8	-0.7	-1.6	-8.3				0.8	
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	-1.0	-2.2	-1.5			1.2	-13.1	-2.4	-7.2				-0.9	
Q2	-20.7	-1.1	13.5	-18.5	-20.0			-15.6	-12.2	-14.8	-22.8				-13.0	
Q3	20.4	-0.2	-0.4	18.8	12.9			15.9	0.3	12.3	16.0				11.7	
Q4	-2.1	0.1	2.9	4.5	5.2			3.2	7.9	4.2	15.5				1.4	
2021 Q1	-3.3	1.1	4.2	-2.2	-8.0			-0.6	-6.8	-1.9	-11.4				0.9	
Q2	7.9	1.8	-3.0	1.2	4.4			2.2	7.0	3.2	3.5				3.1	
Q3	2.8	1.4	0.2	1.1	0.4			2.7	-1.6	1.8	3.3				1.4	
Percentage change, latest quarter on corresponding quarter of previous year																
	KGy9	KH22	KH2E	KG76	KG75			KGX5	KH2Q	KGv9	KH3J				IHYO	
2019 Q2	3.7	5.7	5.4	3.3	4.1			3.9	2.0	3.5	2.5				3.8	
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	4.7	-2.4	0.8			-3.2	-3.9	-3.3	-15.9				1.1	
Q2	-22.6	1.6	19.1	-20.1	-20.6			-16.7	-15.0	-16.3	-29.2				-12.7	
Q3	-6.8	-0.1	14.2	-6.5	-11.8			-3.5	-19.4	-7.3	-19.3				-3.7	
Q4	-8.1	-1.3	15.1	-1.0	-6.4			2.2	-17.3	-2.7	-4.0				-2.3	
2021 Q1	-9.5	-0.2	21.1	-1.0	-12.7			0.4	-11.3	-2.2	-8.3				-0.5	
Q2	23.1	2.8	3.5	22.9	14.1			21.6	8.0	18.4	22.8				17.9	
Q3	5.1	4.4	4.1	4.6	1.4			7.8	6.0	7.4	9.5				7.1	

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 Please note, balancing adjustments have been applied to these components. For more information please see the GDP first quarterly estimate release.

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

C2 Gross domestic product by category of expenditure: chained volume measures¹

Reference year 2019, £ million

National expenditure on goods and services at market prices															
Final consumption expenditure								Gross capital formation							
	Households	Non-profit institutions ²	General government	Gross fixed capital formation	Of which business investment ³	Change in inventories ^{4,6}	Of which alignment adjustment	Acquisitions less disposals of valuables ^{5,6}	Total exports	Gross final expenditure	less imports	Trade balance ⁷	Statistical discrepancy (expenditure)	Gross domestic product at market prices	
	ABJR	HAYO	NMRY	NPQT	NPEL	CAFU	DMUM	NPJR	YBIM	IKBK	ABMG	IKBL	IKBM	GIXS	ABMI
2018	1 377 461	53 512	406 903	397 436	223 763	1 798	–	3 076 2	241 057	676 529	2 917 608	699 468	–22 939	–	2 218 196
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	1 248 430	43 548	397 141	363 381	200 731	–9 235	–	–1 336 2	041 929	596 547	2 638 476	599 239	–2 692	–2 577	2 036 660

Seasonally adjusted

2019 Q2	350 422	13 784	105 195	99 274	56 190	682	1 813	112	570 993	167 007	738 008	175 259	–8 252	–	562 779
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	338 165	12 765	104 678	96 434	55 443	197	2 987	–51	552 188	160 156	712 344	162 800	–2 644	312	549 856
Q2	269 571	9 870	86 144	77 828	43 809	–7 628	–2 957	–8 428	427 357	142 894	570 251	125 958	16 936	–2 019	442 274
Q3	323 229	10 445	100 748	92 502	49 271	–4 449	383	795	523 270	142 201	665 471	145 078	–2 877	–1 003	519 390
Q4	317 465	10 468	105 571	96 617	52 208	2 645	–413	6 348	539 114	151 296	690 410	165 403	–14 107	133	525 140
2021 Q1	303 433	10 489	107 699	93 717	47 332	4 215	2 339	5 523	525 076	139 240	664 316	146 437	–7 197	119	517 998
Q2	325 257	10 806	116 448	94 508	49 468	2 996	2 800	–1 495	548 520	147 903	696 423	149 986	–2 083	119	546 556
Q3	331 809	10 978	117 492	95 269	49 647	4 736	5 928	1 602	561 886	145 125	707 011	153 724	–8 599	125	553 412

Percentage change, latest year on previous year

	KGZ5	KH26	KH2I	KG7N	KG7M		KGX9	KH2U	KGW5	KH3N		IHYP
2018	2.1	9.0	0.4	–0.1	–2.0		1.8	2.8	2.0	3.1		1.7
2019	1.2	2.1	4.2	0.5	0.9		1.6	3.4	2.0	2.9		1.7
2020	–10.5	–20.3	–6.3	–9.1	–11.1		–10.3	–14.7	–11.3	–16.8		–9.7

Percentage change, latest quarter on previous quarter

2019 Q2	KGZ6	KH27	KH2J	KG7Q	KG7P		KGY2	KH2V	KGW6	KH3O		IHYQ
Q3	0.8	1.8	–0.4	–1.6	0.1		–2.6	–1.7	–2.4	–9.7		0.1
Q4	–0.3	–0.7	0.1	1.2	1.2		–0.9	5.2	0.5	0.5		0.5
	–0.6	–0.7	2.6	–1.4	–0.3		–2.3	6.2	–0.3	–1.0		–
2020 Q1	–2.6	–6.1	–3.0	–2.6	–2.2		–0.1	–14.2	–3.7	–6.6		–2.7
Q2	–20.3	–22.7	–17.7	–19.3	–21.0		–22.6	–10.8	–19.9	–22.6		–19.6
Q3	19.9	5.8	17.0	18.9	12.5		22.4	–0.5	16.7	15.2		17.4
Q4	–1.8	0.2	4.8	4.4	6.0		3.0	6.4	3.7	14.0		1.1
2021 Q1	–4.4	0.2	2.0	–3.0	–9.3		–2.6	–8.0	–3.8	–11.5		–1.4
Q2	7.2	3.0	8.1	0.8	4.5		4.5	6.2	4.8	2.4		5.5
Q3	2.0	1.6	0.9	0.8	0.4		2.4	–1.9	1.5	2.5		1.3

Percentage change, latest quarter on corresponding quarter of previous year

2019 Q2	KGZ7	KH28	KH2K	KG7T	KG7S		KGY3	KH2W	KGW7	KH3P		IHYR
Q3	2.3	4.7	3.7	–0.1	0.2		2.1	–0.3	1.5	0.9		1.8
Q4	1.2	1.3	3.5	0.6	2.5		1.0	3.6	1.6	1.7		1.6
	–0.1	–2.8	5.4	–0.1	2.7		–2.5	9.1	0.2	–2.8		1.2
2020 Q1	–2.7	–5.8	–0.9	–4.4	–1.2		–5.8	–5.8	–5.8	–16.1		–2.2
Q2	–23.1	–28.4	–18.1	–21.6	–22.0		–25.2	–14.4	–22.7	–28.1		–21.4
Q3	–7.5	–23.7	–4.3	–7.9	–13.3		–7.5	–19.1	–10.3	–17.7		–8.1
Q4	–8.5	–23.0	–2.2	–2.4	–7.9		–2.5	–18.9	–6.6	–5.1		–7.1
2021 Q1	–10.3	–17.8	2.9	–2.8	–14.6		–4.9	–13.1	–6.7	–10.1		–5.8
Q2	20.7	9.5	35.2	21.4	12.9		28.4	3.5	22.1	19.1		23.6
Q3	2.7	5.1	16.6	3.0	0.8		7.4	2.1	6.2	6.0		6.6

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 Please note, balancing adjustments have been applied to these components. For more information please see the GDP first quarterly estimate release.

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

D Gross domestic product by category of income: current prices¹

£ million

	Compensation of employees			Gross operating surplus of corporations ^{2,3}	Of which alignment adjustment	Other income ⁴	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							
	DTWL	DTWP	DTWM	CGBZ	DMUQ	CGBX	CGCB	CMVL	GIXQ	YBHA
2018	865 931	181 546	1 047 477	478 277	—	389 921	1 915 675	258 705	—	2 174 380
2019	897 701	199 544	1 097 245	493 936	—	399 261	1 990 442	264 841	—	2 255 283
2020	913 282	212 764	1 126 046	489 228	—	391 677	2 006 951	133 187	15 935	2 156 073

Seasonally adjusted

2019 Q2	223 921	49 640	273 561	119 799	1 266	100 058	493 418	68 058	—	561 476
Q3	225 639	50 888	276 527	126 440	1 468	99 178	502 145	66 294	—	568 439
Q4	226 122	52 043	278 165	124 489	-1 949	100 004	502 658	65 461	—	568 119
2020 Q1	228 022	52 509	280 531	123 287	-418	99 033	502 851	59 761	564	563 176
Q2	221 251	51 228	272 479	117 134	2 619	96 633	486 246	-839	4 784	490 191
Q3	229 058	54 016	283 074	125 641	780	98 566	507 281	35 069	5 086	547 436
Q4	234 951	55 011	289 962	123 166	-2 981	97 445	510 573	39 196	5 501	555 270
2021 Q1	237 641	53 627	291 268	129 587	2 952	98 961	519 816	35 038	5 572	560 426
Q2	241 649	54 930	296 579	128 529	94	100 516	525 624	46 421	5 755	577 800
Q3	245 938	55 159	301 097	122 097	-6 865	101 698	524 892	55 377	5 837	586 106

Percentage change, latest year on previous year

	CWNH	CWNE	KGI3	KH4V	KH6T	KH6N	KH6S	IHYM
2018	4.4	2.4	4.1	2.3	4.8	3.8	3.0	3.7
2019	3.7	9.9	4.8	3.3	2.4	3.9	2.4	3.7
2020	1.7	6.6	2.6	-1.0	-1.9	0.8	-49.7	-4.4

Percentage change, latest quarter on previous quarter

	CWNI	CWNF	KGI4	KH4W	KH6U	KH6O	KH66	IHYN
2019 Q2	0.9	5.7	1.7	-2.8	—	0.2	4.7	0.8
Q3	0.8	2.5	1.1	5.5	-0.9	1.8	-2.6	1.2
Q4	0.2	2.3	0.6	-1.5	0.8	0.1	-1.3	-0.1
2020 Q1	0.8	0.9	0.9	-1.0	-1.0	—	-8.7	-0.9
Q2	-3.0	-2.4	-2.9	-5.0	-2.4	-3.3	-101.4	-13.0
Q3	3.5	5.4	3.9	7.3	2.0	4.3	-4 279.9	11.7
Q4	2.6	1.8	2.4	-2.0	-1.1	0.6	11.8	1.4
2021 Q1	1.1	-2.5	0.5	5.2	1.6	1.8	-10.6	0.9
Q2	1.7	2.4	1.8	-0.8	1.6	1.1	32.5	3.1
Q3	1.8	0.4	1.5	-5.0	1.2	-0.1	19.3	1.4

Percentage change, latest quarter on corresponding quarter of previous year

	CWNJ	CWNG	KGI5	KH4X	KH6V	KH6P	KH67	IHYO
2019 Q2	4.9	11.5	6.0	0.7	3.0	4.1	1.9	3.8
Q3	3.6	10.8	4.9	4.9	1.4	4.2	2.4	4.0
Q4	2.2	9.7	3.5	5.6	0.7	3.4	1.0	3.1
2020 Q1	2.7	11.8	4.3	0.1	-1.0	2.2	-8.1	1.1
Q2	-1.2	3.2	-0.4	-2.2	-3.4	-1.5	-101.2	-12.7
Q3	1.5	6.1	2.4	-0.6	-0.6	1.0	-47.1	-3.7
Q4	3.9	5.7	4.2	-1.1	-2.6	1.6	-40.1	-2.3
2021 Q1	4.2	2.1	3.8	5.1	-0.1	3.4	-41.4	-0.5
Q2	9.2	7.2	8.8	9.7	4.0	8.1	-5 632.9	17.9
Q3	7.4	2.1	6.4	-2.8	3.2	3.5	57.9	7.1

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.

	Analysis by sector								Analysis by asset						
	Public corporations ²				Private Sector										
	Business investment ¹	General government	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Dwellings ⁴	Costs of transfer of ownership of non-produced assets	Total	Transport equipment	ICT equipment and other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property Products	Total		
2018	NPEK	RPZG	L62R	L62S	L62T	L62U	NPQS	TLPX	TLPW	GGAE	EQED	TLPK	NPQS		
2019	217 284	57 185	4 618	758	80 661	25 959	386 464	20 878	63 808	85 280	131 923	84 575	386 464		
2020	225 865	62 110	4 680	766	82 628	23 563	399 609	19 877	65 098	87 306	139 686	87 643	399 609		
	204 256	65 223	4 514	645	74 930	20 076	369 644	15 418	57 501	79 263	127 343	90 119	369 644		
Seasonally adjusted															
2019 Q2	56 356	15 069	1 152	204	20 808	5 712	99 301	4 990	16 143	21 960	34 493	21 715	99 301		
Q3	57 236	15 563	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	55 936	14 513	1 189	179	20 065	5 490	97 372	4 646	15 033	21 074	33 664	22 955	97 372		
Q2	44 724	16 686	1 031	147	12 103	4 688	79 379	2 360	12 130	13 134	29 400	22 355	79 379		
Q3	50 479	16 560	1 105	150	21 276	4 740	94 310	4 293	14 220	22 380	31 109	22 308	94 310		
Q4	53 117	17 464	1 189	169	21 486	5 158	98 583	4 119	16 118	22 675	33 170	22 501	98 583		
2021 Q1	48 859	19 595	1 278	181	21 035	5 471	96 419	2 632	15 756	22 313	33 912	21 806	96 419		
Q2	51 008	17 655	1 383	203	21 520	5 799	97 568	3 436	14 734	22 903	34 239	22 256	97 568		
Q3	51 192	18 282	1 522	210	21 449	6 021	98 676	2 275	15 747	22 971	35 166	22 517	98 676		
Percentage change, latest year on previous year															
	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O		
2018	0.2	3.5	-45.4	-1.8	11.5	7.6	2.3	-23.6	-	5.5	4.0	7.0	2.3		
2019	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		
2020	-9.6	5.0	-3.5	-15.8	-9.3	-14.8	-7.5	-22.4	-11.7	-9.2	-8.8	2.8	-7.5		
Percentage change, latest quarter on previous quarter															
	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W		
2019 Q2	1.5	-6.0	2.4	12.1	1.1	-10.9	-0.5	19.9	-2.5	1.2	-3.8	0.8	-0.5		
Q3	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		
Q4	-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	-1.5	-6.1	-3.0	-4.3	-1.3	-2.2	-2.2	-6.5	-5.5	-2.2	-3.8	3.6	-2.2		
Q2	-20.0	15.0	-13.3	-17.9	-39.7	-14.6	-18.5	-49.2	-19.3	-37.7	-12.7	-2.6	-18.5		
Q3	12.9	-0.8	7.2	2.0	75.8	1.1	18.8	81.9	17.2	70.4	5.8	-0.2	18.8		
Q4	5.2	5.5	7.6	12.7	1.0	8.8	4.5	-4.1	13.3	1.3	6.6	0.9	4.5		
2021 Q1	-8.0	12.2	7.5	7.1	-2.1	6.1	-2.2	-36.1	-2.2	-1.6	2.2	-3.1	-2.2		
Q2	4.4	-9.9	8.2	12.2	2.3	6.0	1.2	30.5	-6.5	2.6	1.0	2.1	1.2		
Q3	0.4	3.6	10.1	3.4	-0.3	3.8	1.1	-33.8	6.9	0.3	2.7	1.2	1.1		
Percentage change, latest quarter on corresponding quarter of previous year															
	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76		
2019 Q2	4.1	7.6	-3.7	2.5	2.8	-10.6	3.3	28.3	3.0	2.5	2.0	1.9	3.3		
Q3	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		
Q4	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	0.8	-9.4	5.7	-1.6	-2.5	-14.4	-2.4	11.6	-9.2	-2.9	-6.1	6.6	-2.4		
Q2	-20.6	10.7	-10.5	-27.9	-41.8	-17.9	-20.1	-52.7	-24.9	-40.2	-14.8	2.9	-20.1		
Q3	-11.8	6.4	-6.1	-22.3	1.7	-18.6	-6.5	-25.4	-13.7	1.3	-9.4	0.4	-6.5		
Q4	-6.4	13.0	-3.0	-9.6	5.7	-8.2	-1.0	-17.1	1.3	5.2	-5.2	1.5	-1.0		
2021 Q1	-12.7	35.0	7.5	1.1	4.8	-0.3	-1.0	-43.3	4.8	5.9	0.7	-5.0	-1.0		
Q2	14.1	5.8	34.1	38.1	77.8	23.7	22.9	45.6	21.5	74.4	16.5	-0.4	22.9		
Q3	1.4	10.4	37.7	40.0	0.8	27.0	4.6	-47.0	10.7	2.6	13.0	0.9	4.6		

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

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

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

4 Includes new dwellings and improvements to dwellings.

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

F2 Gross fixed capital formation by sector and type of asset

Chained volume measures

Reference year 2019, £ million

	Analysis by sector							Analysis by asset							Total
	Public corporations ²				Private Sector										
	Business investment ^{1, 6}	General government	Dwellings ⁴	Costs of transfer of ownership of non-produced assets ⁷	Dwellings ⁴	Costs of transfer of ownership of non-produced assets ⁷	NPQT	Transport equipment	ICT equipment and other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property Products			
NPEL	DLWF	L634	L635	L636	L637	NPQT	DLWL	DLWO	DFEG	DLWT	EQDO	NPQT			
2018	223 763	59 131	4 736	616	82 690	26 542	397 436	20 892	65 660	87 429	136 285	87 114	397 436		
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	200 731	63 725	4 457	482	73 996	19 990	363 381	15 111	56 781	78 274	125 174	88 041	363 381		
Seasonally adjusted															
2019 Q2	56 190	15 139	1 176	158	20 881	5 728	99 274	4 758	16 104	22 058	34 579	21 756	99 274		
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	55 443	14 299	1 173	135	19 892	5 492	96 434	4 595	14 803	20 887	33 542	22 607	96 434		
Q2	43 809	16 241	1 041	110	11 968	4 659	77 828	2 257	11 930	13 008	28 788	21 845	77 828		
Q3	49 271	16 306	1 079	112	21 025	4 709	92 502	4 070	13 933	22 104	30 649	21 746	92 502		
Q4	52 208	16 879	1 164	125	21 111	5 130	96 617	4 189	16 115	22 275	32 195	21 843	96 617		
2021 Q1	47 332	18 971	1 249	133	20 590	5 442	93 717	2 445	15 531	21 839	32 850	21 052	93 717		
Q2	49 468	16 903	1 356	149	20 898	5 734	94 508	3 256	14 763	22 254	32 692	21 543	94 508		
Q3	49 647	17 622	1 406	151	20 565	5 878	95 269	2 301	15 834	21 971	33 391	21 772	95 269		
Percentage change, latest year on previous year															
	KG7M	KH92	L64T	L64W	L654	L64Z	KG7N	KH95	KH96	KH8Y	KH97	KH98	KG7N		
2018	-2.0	1.5	-47.0	-8.1	8.2	5.9	-0.1	-27.0	0.8	2.4	1.2	4.1	-0.1		
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	-11.1	2.6	-4.7	-18.6	-10.4	-15.8	-9.1	-24.0	-12.8	-10.3	-10.4	0.5	-9.1		
Percentage change, latest quarter on previous quarter															
	KG7P	KH9C	L64U	L64X	L655	L652	KG7Q	KH9F	KH9G	KH9A	KH9H	KH9I	KG7Q		
2019 Q2	0.1	-6.5	6.0	12.1	0.4	-12.1	-1.6	13.7	-5.9	0.7	-3.5	-0.5	-1.6		
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	-2.2	-6.1	-5.4	-6.2	-1.0	-2.2	-2.6	-11.4	-3.7	-2.1	-4.7	3.1	-2.6		
Q2	-21.0	13.6	-11.3	-18.5	-39.8	-15.2	-19.3	-50.9	-19.4	-37.7	-14.2	-3.4	-19.3		
Q3	12.5	0.4	3.7	1.8	75.7	1.1	18.9	80.3	16.8	69.9	6.5	-0.5	18.9		
Q4	6.0	3.5	7.9	11.6	0.4	8.9	4.4	2.9	15.7	0.8	5.0	0.4	4.4		
2021 Q1	-9.3	12.4	7.3	6.4	-2.5	6.1	-3.0	-41.6	-3.6	-2.0	2.0	-3.6	-3.0		
Q2	4.5	-10.9	8.6	12.0	1.5	5.4	0.8	33.2	-4.9	1.9	-0.5	2.3	0.8		
Q3	0.4	4.3	3.7	1.3	-1.6	2.5	0.8	-29.3	7.3	-1.3	2.1	1.1	0.8		
Percentage change, latest quarter on corresponding quarter of previous year															
	KG7S	KH9M	L64V	L64Y	L656	L653	KG7T	KH9P	KH9Q	KH9K	KH9R	KH9S	KG7T		
2019 Q2	0.2	3.6	-5.3	-7.6	0.4	-12.0	-0.1	25.8	-1.3	0.1	-1.9	-1.3	-0.1		
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	-1.2	-11.6	5.8	-4.3	-4.4	-15.7	-4.4	9.8	-13.5	-4.7	-6.4	3.4	-4.4		
Q2	-22.0	7.3	-11.5	-30.4	-42.7	-18.7	-21.6	-52.6	-25.9	-41.0	-16.7	0.4	-21.6		
Q3	-13.3	4.8	-6.4	-24.8	0.8	-19.9	-7.9	-29.2	-15.6	0.4	-10.1	-1.6	-7.9		
Q4	-7.9	10.9	-6.1	-13.2	5.1	-8.7	-2.4	-19.2	4.8	4.4	-8.6	-0.4	-2.4		
2021 Q1	-14.6	32.7	6.5	-1.5	3.5	-0.9	-2.8	-46.8	4.9	4.6	-2.1	-6.9	-2.8		
Q2	12.9	4.1	30.3	35.5	74.6	23.1	21.4	44.3	23.7	71.1	13.6	-1.4	21.4		
Q3	0.8	8.1	30.3	34.8	-2.2	24.8	3.0	-43.5	13.6	-0.6	8.9	0.1	3.0		

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.

H1 Exports and imports of goods and services

Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total ¹
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2018	350 844	312 481	663 325	493 096	198 527	691 623	-142 252	113 954	-28 298
2019	371 955	327 295	699 250	510 169	209 769	719 938	-138 214	117 526	-20 688
2020	308 679	292 294	600 973	437 420	159 273	596 693	-128 741	133 021	4 280
Seasonally adjusted									
2019 Q2	86 879	80 457	167 336	123 822	51 915	175 737	-36 943	28 542	-8 401
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	82 471	79 462	161 933	113 531	47 635	161 166	-31 060	31 827	767
Q2	72 435	69 816	142 251	87 703	36 774	124 477	-15 268	33 042	17 774
Q3	73 265	69 475	142 740	107 286	37 059	144 345	-34 021	32 416	-1 605
Q4	80 508	73 541	154 049	128 900	37 805	166 705	-48 392	35 736	-12 656
2021 Q1	73 058	70 555	143 613	111 811	35 949	147 760	-38 753	34 606	-4 147
Q2	83 925	69 712	153 637	116 548	36 371	152 919	-32 623	33 341	718
Q3	79 460	71 790	151 250	121 799	36 219	158 018	-42 339	35 571	-6 768
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2018	3.8	7.0	5.3	3.1	11.4	5.3			
2019	6.0	4.7	5.4	3.5	5.7	4.1			
2020	-17.0	-10.7	-14.1	-14.3	-24.1	-17.1			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2019 Q2	-4.1	3.1	-0.7	-12.9	4.7	-8.3			
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	-18.4	-6.8	-13.1	-4.6	-12.9	-7.2			
Q2	-12.2	-12.1	-12.2	-22.7	-22.8	-22.8			
Q3	1.1	-0.5	0.3	22.3	0.8	16.0			
Q4	9.9	5.9	7.9	20.1	2.0	15.5			
2021 Q1	-9.3	-4.1	-6.8	-13.3	-4.9	-11.4			
Q2	14.9	-1.2	7.0	4.2	1.2	3.5			
Q3	-5.3	3.0	-1.6	4.5	-0.4	3.3			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2019 Q2	-0.8	5.4	2.0	0.9	6.4	2.5			
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	-8.9	1.9	-3.9	-20.1	-4.0	-15.9			
Q2	-16.6	-13.2	-15.0	-29.2	-29.2	-29.2			
Q3	-21.6	-16.9	-19.4	-14.3	-30.8	-19.3			
Q4	-20.3	-13.7	-17.3	8.3	-30.9	-4.0			
2021 Q1	-11.4	-11.2	-11.3	-1.5	-24.5	-8.3			
Q2	15.9	-0.1	8.0	32.9	-1.1	22.8			
Q3	8.5	3.3	6.0	13.5	-2.3	9.5			

¹ 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 ¹
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2018	357 961	318 566	676 529	497 752	201 703	699 468	-22 939
2019	371 955	327 295	699 250	510 169	209 769	719 938	-20 688
2020	318 923	277 624	596 547	441 274	157 965	599 239	-2 692
Seasonally adjusted							
2019 Q2	86 208	80 803	167 007	123 520	51 772	175 259	-8 252
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	83 191	76 965	160 156	114 650	48 150	162 800	-2 644
Q2	77 446	65 448	142 894	90 018	35 940	125 958	16 936
Q3	75 587	66 614	142 201	108 313	36 765	145 078	-2 877
Q4	82 699	68 597	151 296	128 293	37 110	165 403	-14 107
2021 Q1	73 415	65 825	139 240	111 097	35 340	146 437	-7 197
Q2	83 250	64 653	147 903	114 328	35 658	149 986	-2 083
Q3	78 440	66 685	145 125	118 278	35 446	153 724	-8 599
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2018	0.2	5.8	2.8	0.2	10.7	3.1	
2019	3.9	2.7	3.4	2.5	4.0	2.9	
2020	-14.3	-15.2	-14.7	-13.5	-24.7	-16.8	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2019 Q2	-5.7	2.9	-1.7	-14.0	2.7	-9.7	
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	-18.3	-9.2	-14.2	-4.4	-11.5	-6.6	
Q2	-6.9	-15.0	-10.8	-21.5	-25.4	-22.6	
Q3	-2.4	1.8	-0.5	20.3	2.3	15.2	
Q4	9.4	3.0	6.4	18.4	0.9	14.0	
2021 Q1	-11.2	-4.0	-8.0	-13.4	-4.8	-11.5	
Q2	13.4	-1.8	6.2	2.9	0.9	2.4	
Q3	-5.8	3.1	-1.9	3.5	-0.6	2.5	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2019 Q2	-4.0	4.0	-0.3	-0.3	3.8	0.9	
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	-9.0	-2.0	-5.8	-20.2	-4.5	-16.1	
Q2	-10.2	-19.0	-14.4	-27.1	-30.6	-28.1	
Q3	-18.3	-19.9	-19.1	-12.0	-30.9	-17.7	
Q4	-18.8	-19.1	-18.9	7.0	-31.8	-5.1	
2021 Q1	-11.8	-14.5	-13.1	-3.1	-26.6	-10.1	
Q2	7.5	-1.2	3.5	27.0	-0.8	19.1	
Q3	3.8	0.1	2.1	9.2	-3.6	6.0	

¹ 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) ³				
	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 ¹	Expenditure-based estimate	Income-based estimate	Expenditure-based estimate	Income-based estimate ²	Output-based estimate
	CAGR	CAGQ	CAGS	DJDS	IHYA	IHYB	IHYC	IHYD	YBFR
2018	1 981 300	1 942 619	1 942 619	–	96.3	96.3	98.2	98.2	98.2
2019	2 017 344	2 017 344	2 017 344	–	100.0	100.0	100.0	100.0	100.0
2020	1 822 536	1 952 439	1 933 670	18 769	96.8	95.9	90.3	89.5	90.8
Seasonally adjusted									
2019 Q2	503 785	500 611	500 611	–	99.3	99.3	99.9	99.9	99.9
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	491 306	507 048	506 804	244	100.5	100.5	97.4	97.3	97.6
Q2	397 158	447 255	440 233	7 022	88.7	87.3	78.7	77.5	78.8
Q3	465 107	497 291	491 148	6 143	98.6	97.4	92.2	91.1	92.8
Q4	468 965	500 845	495 485	5 360	99.3	98.2	93.0	92.0	94.1
2021 Q1	462 696	508 072	502 629	5 443	100.7	99.7	91.7	90.8	92.8
Q2	488 085	520 073	514 444	5 629	103.1	102.0	96.8	95.7	97.9
Q3	494 246	528 446	522 741	5 705	104.8	103.6	98.0	96.9	99.1
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2018	1.6	3.7	3.7		3.7	3.7	1.6	1.6	1.6
2019	1.8	3.8	3.8		3.8	3.8	1.8	1.8	1.8
2020	–9.7	–3.2	–4.1		–3.2	–4.1	–9.7	–10.5	–9.2
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2019 Q2	0.2	0.4	0.4		0.4	0.4	0.2	0.2	0.2
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	–0.4	–0.5		–0.4	–0.5	–2.8	–2.8	–2.5
Q2	–19.2	–11.8	–13.1		–11.8	–13.1	–19.2	–20.4	–19.3
Q3	17.1	11.2	11.6		11.2	11.6	17.1	17.5	17.7
Q4	0.8	0.7	0.9		0.7	0.9	0.8	1.0	1.4
2021 Q1	–1.3	1.4	1.4		1.4	1.4	–1.3	–1.3	–1.4
Q2	5.5	2.4	2.4		2.4	2.4	5.5	5.5	5.5
Q3	1.3	1.6	1.6		1.6	1.6	1.3	1.2	1.3
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2019 Q2	2.1	4.1	4.1		4.1	4.1	2.1	2.1	2.1
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	1.7	1.6		1.7	1.6	–2.3	–2.3	–2.1
Q2	–21.2	–10.7	–12.1		–10.7	–12.1	–21.2	–22.4	–21.1
Q3	–8.0	–2.3	–3.5		–2.3	–3.5	–8.0	–9.1	–7.4
Q4	–7.2	–1.7	–2.7		–1.7	–2.7	–7.2	–8.2	–6.1
2021 Q1	–5.8	0.2	–0.8		0.2	–0.8	–5.8	–6.8	–5.0
Q2	22.9	16.3	16.9		16.3	16.9	22.9	23.5	24.2
Q3	6.3	6.3	6.4		6.3	6.4	6.3	6.4	6.8

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

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

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

M Alignment adjustments ¹

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2019)	
Seasonally adjusted			
	DMUN	DMUM	DMUQ
2019 Q2	1 811	1 813	1 266
Q3	454	449	1 468
Q4	-1 975	-1 967	-1 949
2020 Q1	3 116	2 987	-418
Q2	-3 216	-2 957	2 619
Q3	475	383	780
Q4	-375	-413	-2 981
2021 Q1	2 562	2 339	2 952
Q2	2 977	2 800	94
Q3	6 278	5 928	-6 865

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

N Selected financial year variables ^{1,2}

£ millions except deflator index which is 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 ^{3,4}
	YBHA	BKTL	ABML	NMRP	RPZG	ABMI	ABMM	NMRY	DLWF	L8GG
2018/19	2 195 745	2 199 704	1 961 144	403 682	59 282	2 230 149	1 993 760	411 231	60 977	91.5510
2019/20	2 261 210	2 261 177	2 026 121	428 845	60 598	2 243 106	2 006 218	423 088	60 223	93.7478
2020/21	2 153 323	2 146 343	1 950 438	503 238	70 305	2 004 802	1 791 156	400 162	68 397	100.0000
Seasonally adjusted										
2019 Q2	561 476	554 257	500 611	103 410	15 069	562 779	503 785	105 195	15 139	92.7729
Q3	568 439	563 283	508 813	107 365	15 563	565 362	505 505	105 255	15 565	93.4942
Q4	568 119	576 734	509 329	109 568	15 453	565 109	505 310	107 960	15 220	93.4834
2020 Q1	563 176	566 903	507 368	108 502	14 513	549 856	491 618	104 678	14 299	95.2407
Q2	490 191	487 864	445 017	123 147	16 686	442 274	395 139	86 144	16 241	103.0627
Q3	547 436	539 037	496 234	122 598	16 560	519 390	464 104	100 748	16 306	98.0093
Q4	555 270	562 269	500 986	126 127	17 464	525 140	469 098	105 571	16 879	98.3234
2021 Q1	560 426	557 173	508 201	131 366	19 595	517 998	462 815	107 699	18 971	100.6046
Q2	577 800	567 341	520 199	127 426	17 655	546 556	488 204	116 448	16 903	98.3038
Q3	586 106	580 952	528 578	127 659	18 282	553 412	494 371	117 492	17 622	98.4816
Percentage change, latest financial year on previous financial year										
2018/19	3.8	4.2	3.8	3.3	6.3	1.8	1.9	1.3	4.4	2.0
2019/20	3.0	2.8	3.3	6.2	2.2	0.6	0.6	2.9	-1.2	2.4
2020/21	-4.8	-5.1	-3.7	17.3	16.0	-10.6	-10.7	-5.4	13.6	6.7
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2019 Q2	0.8	-1.2	0.4	-0.2	-6.0	0.1	0.2	-0.4	-6.5	0.6
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	-0.9	-1.7	-0.4	-1.0	-6.1	-2.7	-2.7	-3.0	-6.1	1.9
Q2	-13.0	-13.9	-12.3	13.5	15.0	-19.6	-19.6	-17.7	13.6	8.2
Q3	11.7	10.5	11.5	-0.4	-0.8	17.4	17.5	17.0	0.4	-4.9
Q4	1.4	4.3	1.0	2.9	5.5	1.1	1.1	4.8	3.5	0.3
2021 Q1	0.9	-0.9	1.4	4.2	12.2	-1.4	-1.3	2.0	12.4	2.3
Q2	3.1	1.8	2.4	-3.0	-9.9	5.5	5.5	8.1	-10.9	-2.3
Q3	1.4	2.4	1.6	0.2	3.6	1.3	1.3	0.9	4.3	0.2
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2019 Q2	3.8	3.3	4.1	5.4	7.6	1.8	2.1	3.7	3.6	2.0
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	1.1	1.1	1.8	4.7	-9.4	-2.2	-2.2	-0.9	-11.6	3.3
Q2	-12.7	-12.0	-11.1	19.1	10.7	-21.4	-21.6	-18.1	7.3	11.1
Q3	-3.7	-4.3	-2.5	14.2	6.4	-8.1	-8.2	-4.3	4.8	4.8
Q4	-2.3	-2.5	-1.6	15.1	13.0	-7.1	-7.2	-2.2	10.9	5.2
2021 Q1	-0.5	-1.7	0.2	21.1	35.0	-5.8	-5.9	2.9	32.7	5.6
Q2	17.9	16.3	16.9	3.5	5.8	23.6	23.6	35.2	4.1	-4.6
Q3	7.1	7.8	6.5	4.1	10.4	6.6	6.5	16.6	8.1	0.5

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

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 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 deflators¹

2020 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2018	92.8734	92.3878	91.3011
2019	94.5058	94.2507	93.1198
2020	100.0000	100.0000	100.0000
Seasonally adjusted			
2019 Q2	94.3097	94.0338	92.5346
Q3	95.2179	94.7650	93.7307
Q4	94.9440	94.7541	93.8619
2020 Q1	96.1887	96.5353	96.1046
Q2	104.9526	104.4635	104.8759
Q3	99.3391	99.3415	99.5681
Q4	99.5197	99.6598	99.4514
2021 Q1	101.5791	101.9720	102.2532
Q2	99.3931	99.6400	99.2241
Q3	99.6835	99.8202	99.5646
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2018	1.9	2.0	2.1
2019	1.8	2.0	2.0
2020	5.8	6.1	7.4
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2019 Q2	0.8	0.6	0.2
Q3	1.0	0.8	1.3
Q4	-0.3	-	0.1
2020 Q1	1.3	1.9	2.4
Q2	9.1	8.2	9.1
Q3	-5.3	-4.9	-5.1
Q4	0.2	0.3	-0.1
2021 Q1	2.1	2.3	2.8
Q2	-2.2	-2.3	-3.0
Q3	0.3	0.2	0.3
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2019 Q2	1.8	2.0	2.0
Q3	2.2	2.3	2.4
Q4	1.7	1.9	2.3
2020 Q1	2.8	3.3	4.1
Q2	11.3	11.1	13.3
Q3	4.3	4.8	6.2
Q4	4.8	5.2	6.0
2021 Q1	5.6	5.6	6.4
Q2	-5.3	-4.6	-5.4
Q3	0.3	0.5	-

1 Implied deflator is expressed in terms of 2020 = 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 Head¹

£

	UK resident population mid-year estimates (persons thousands) ²	Current Prices		Chained volume measures (Reference year 2019)	
		Gross domestic product at market prices ³	Gross domestic product per head	Gross domestic product at market prices ³	Gross domestic product per head
	EBAQ	YBHA	IHXT	ABMI	IHXW
2018	66 436	2 174 380	32 729	2 218 196	33 388
2019	66 797	2 255 283	33 763	2 255 283	33 763
2020	67 081	2 156 073	32 141	2 036 660	30 361
Seasonally adjusted					
2019 Q2	66 797	561 476	8 406	562 779	8 425
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	563 176	8 404	549 856	8 206
Q2	67 081	490 191	7 307	442 274	6 593
Q3	67 193	547 436	8 147	519 390	7 730
Q4	67 306	555 270	8 250	525 140	7 802
2021 Q1	67 418	560 426	8 313	517 998	7 683
Q2	67 531	577 800	8 556	546 556	8 093
Q3	67 609	586 106	8 669	553 412	8 185
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2018		3.7	3.1	1.7	1.0
2019		3.7	3.2	1.7	1.1
2020		-4.4	-4.8	-9.7	-10.1
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2019 Q2		0.8	0.6	0.1	—
Q3		1.2	1.1	0.5	0.4
Q4		-0.1	-0.2	—	-0.2
2020 Q1		-0.9	-1.0	-2.7	-2.8
Q2		-13.0	-13.1	-19.6	-19.7
Q3		11.7	11.5	17.4	17.2
Q4		1.4	1.3	1.1	0.9
2021 Q1		0.9	0.8	-1.4	-1.5
Q2		3.1	2.9	5.5	5.3
Q3		1.4	1.3	1.3	1.1
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2019 Q2		3.8	3.2	1.8	1.2
Q3		4.0	3.4	1.6	1.1
Q4		3.1	2.6	1.2	0.7
2020 Q1		1.1	0.6	-2.2	-2.6
Q2		-12.7	-13.1	-21.4	-21.7
Q3		-3.7	-4.2	-8.1	-8.6
Q4		-2.3	-2.8	-7.1	-7.6
2021 Q1		-0.5	-1.1	-5.8	-6.4
Q2		17.9	17.1	23.6	22.8
Q3		7.1	6.4	6.6	5.9

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

AA Annex A - Growth and contributions to growth - output components of GDP^{1,2}

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 ³	Total Services	Distri- bution, hotels & restaurants	Transport storage and commu- nications	Business services and finance	Govern- ment and other services
Percentage change, latest year on previous year												
Growth												
2018	L3BB -10.9	L3BG 3.5	L3BH 5.0	L3BN 3.9	L3DM 2.0	L3DQ 0.5	L3DW -2.0	L3E2 1.6	L3GP -1.4	KI8L 9.5	KI8N 0.5	KI8P 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	-9.1	-8.3	-19.5	-8.8	-2.1	-1.8	-16.1	-8.8	-14.2	-9.7	-5.2	-10.3
Contributions to growth												
	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2018	-0.07	0.47	0.04	0.40	0.03	0.01	-0.13	1.29	-0.18	0.96	0.18	0.33
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	-1.13	-0.21	-0.87	-0.03	-0.02	-1.03	-6.96	-1.94	-0.98	-1.74	-2.30
Percentage change, latest quarter on previous quarter												
Growth												
2019 Q2	L3BB 4.5	L3BG -1.8	L3BH -19.8	L3BN -1.1	L3DM 7.1	L3DQ 1.5	L3DW 2.6	L3E2 0.3	L3GP 0.2	KI8L 1.1	KI8N -0.1	KI8P 0.9
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	-4.6	-2.2	-4.4	0.6	-1.8	-2.6	-4.1	-3.1	-0.8	-3.6
Q2	-16.0	-17.4	-3.2	-21.6	-8.8	-5.4	-35.6	-18.3	-33.5	-15.9	-9.9	-23.8
Q3	6.3	17.1	0.3	22.1	9.9	4.7	41.2	16.5	50.0	10.5	4.9	23.4
Q4	1.8	2.5	-4.0	3.9	-1.4	0.9	5.0	0.9	-7.2	2.5	2.0	3.5
2021 Q1	-2.6	-0.4	-5.2	-1.0	3.4	2.9	2.2	-1.8	-7.3	-0.5	1.1	-3.7
Q2	3.1	1.0	-15.9	1.8	4.4	0.8	3.8	6.5	21.6	1.6	0.2	10.9
Q3	0.7	0.8	26.3	-0.3	-4.0	1.5	-1.5	1.6	3.1	1.3	0.5	2.7
Contributions to growth												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2019 Q2	0.03	-0.25	-0.28	-0.11	0.10	0.02	0.17	0.26	-	0.11	-0.01	0.17
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	-0.04	-0.22	-0.07	0.01	-0.11	-2.04	-0.60	-0.31	-0.29	-0.86
Q2	-0.11	-2.38	-0.03	-2.15	-0.14	-0.07	-2.24	-14.59	-4.40	-1.62	-3.38	-5.20
Q3	0.05	2.39	-	2.15	0.17	0.07	2.07	13.31	5.41	1.12	1.90	4.88
Q4	0.01	0.34	-0.04	0.39	-0.02	0.01	0.30	0.74	-0.97	0.26	0.71	0.74
2021 Q1	-0.02	-0.05	-0.03	-0.10	0.05	0.03	0.13	-1.41	-0.89	-0.05	0.36	-0.87
Q2	0.02	0.12	-0.09	0.18	0.07	0.01	0.23	5.10	2.42	0.16	0.06	2.54
Q3	-	0.10	0.12	-0.03	-0.06	0.02	-0.09	1.24	0.40	0.10	0.18	0.59
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
2019 Q2	L3ZZ 4.9	L426 4.5	L427 9.9	L42D 2.8	L44C 17.9	L44G 0.3	L44M 3.0	L44Q 1.5	L47F 0.7	KII2 6.0	KIH9 -0.1	KIH8 2.5
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	-4.4	-31.3	-3.0	6.5	0.3	-4.7	-1.5	-4.3	-2.1	-0.1	-1.2
Q2	-11.7	-19.6	-17.1	-23.1	-9.3	-6.5	-40.2	-19.9	-36.5	-18.5	-9.9	-25.3
Q3	-15.8	-5.7	-14.4	-6.3	0.6	-1.4	-12.4	-7.3	-4.8	-10.3	-6.3	-8.5
Q4	-16.1	-3.4	-11.2	-2.7	-5.5	0.7	-6.3	-6.5	-11.3	-7.5	-4.3	-6.2
2021 Q1	-11.5	-1.4	-11.7	-1.5	2.1	3.0	-2.4	-5.7	-14.3	-5.1	-2.5	-6.2
Q2	8.7	20.6	-23.3	27.9	16.9	9.7	57.3	22.9	56.8	14.6	8.5	36.4
Q3	3.0	3.8	-3.3	4.4	2.1	6.3	9.7	7.2	7.9	5.0	4.0	13.5
Contributions to growth												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2019 Q2	0.03	0.61	0.10	0.28	0.23	-	0.19	1.21	0.09	0.62	-0.03	0.53
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	-0.41	-0.30	0.09	-	-0.30	-1.21	-0.63	-0.21	-0.04	-0.32
Q2	-0.08	-2.68	-0.18	-2.28	-0.14	-0.08	-2.65	-15.70	-4.91	-1.90	-3.33	-5.56
Q3	-0.11	-0.78	-0.15	-0.62	0.01	-0.02	-0.79	-5.76	-0.67	-1.05	-2.13	-1.90
Q4	-0.12	-0.46	-0.10	-0.27	-0.09	0.01	-0.39	-5.15	-1.54	-0.77	-1.44	-1.41
2021 Q1	-0.07	-0.17	-0.07	-0.14	0.03	0.03	-0.14	-4.50	-1.76	-0.50	-0.79	-1.45
Q2	0.06	2.64	-0.18	2.53	0.28	0.13	2.74	18.31	5.82	1.49	3.11	8.15
Q3	0.02	0.48	-0.02	0.41	0.03	0.08	0.56	5.68	1.03	0.46	1.29	3.07

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

2 Contribution 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^{1,2}

Chained Volume Measures

Seasonally adjusted data

Reference year 2019

Final consumption expenditure									
	Households	Non-profit institutions ³	General government	Gross capital formation	Gross fixed capital formation	Business investment ⁴	Total exports	less Total imports	Net trade
Percentage change, latest year on previous year									
Growth									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
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	-20.3	-6.3	-12.4	-9.1	-11.1	-14.7	-16.8	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2018	1.32	0.20	0.07	0.19	-0.01	-0.21	0.83	0.96	-0.13
2019	0.77	0.05	0.77	-0.01	0.10	0.09	1.02	0.93	0.09
2020	-6.47	-0.49	-1.19	-2.22	-1.61	-1.11	-4.55	-5.35	0.80
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2019 Q2	0.8	1.8	-0.4	-15.0	-1.6	0.1	-1.7	-9.7	
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	-2.6	-6.1	-3.0	14.6	-2.6	-2.2	-14.2	-6.6	
Q2	-20.3	-22.7	-17.7	-36.0	-19.3	-21.0	-10.8	-22.6	
Q3	19.9	5.8	17.0	43.8	18.9	12.5	-0.5	15.2	
Q4	-1.8	0.2	4.8	18.9	4.4	6.0	6.4	14.0	
2021 Q1	-4.4	0.2	2.0	-2.0	-3.0	-9.3	-8.0	-11.5	
Q2	7.2	3.0	8.1	-7.2	0.8	4.5	6.2	2.4	
Q3	2.0	1.6	0.9	5.8	0.8	0.4	-1.9	2.5	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2019 Q2	0.52	0.04	-0.07	-3.15	-0.28	0.01	-0.52	-3.38	2.86
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	-1.59	-0.15	-0.58	2.17	-0.45	-0.22	-4.68	-2.05	-2.63
Q2	-12.47	-0.53	-3.37	-6.33	-3.38	-2.12	-3.14	-6.70	3.56
Q3	12.13	0.13	3.30	6.12	3.32	1.24	-0.16	4.32	-4.48
Q4	-1.11	-	0.93	3.23	0.79	0.57	1.75	3.91	-2.16
2021 Q1	-2.54	-	0.46	-0.40	-0.53	-0.89	-2.18	-3.40	1.21
Q2	4.01	0.07	1.93	-1.39	0.15	0.40	1.59	0.64	0.95
Q3	1.14	0.04	0.22	0.99	0.13	0.03	-0.48	0.64	-1.13
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2019 Q2	2.3	4.7	3.7	-1.2	-0.1	0.2	-0.3	0.9	
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	-2.7	-5.8	-0.9	-19.1	-4.4	-1.2	-5.8	-16.1	
Q2	-23.1	-28.4	-18.1	-39.2	-21.6	-22.0	-14.4	-28.1	
Q3	-7.5	-23.7	-4.3	-9.0	-7.9	-13.3	-19.1	-17.7	
Q4	-8.5	-23.0	-2.2	25.3	-2.4	-7.9	-18.9	-5.1	
2021 Q1	-10.3	-17.8	2.9	7.1	-2.8	-14.6	-13.1	-10.1	
Q2	20.7	9.5	35.2	55.4	21.4	12.9	3.5	19.1	
Q3	2.7	5.1	16.6	14.4	3.0	0.8	2.1	6.0	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2019 Q2	1.44	0.11	0.68	-0.22	-0.02	0.02	-0.09	0.28	-0.37
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	-1.66	-0.14	-0.16	-4.07	-0.79	-0.12	-1.74	-5.57	3.82
Q2	-14.37	-0.70	-3.39	-7.07	-3.81	-2.20	-4.28	-8.76	4.48
Q3	-4.63	-0.57	-0.80	-1.55	-1.41	-1.34	-5.93	-5.51	-0.42
Q4	-5.25	-0.55	-0.42	3.77	-0.42	-0.79	-6.25	-1.59	-4.66
2021 Q1	-6.01	-0.50	0.63	1.21	-0.47	-1.42	-3.62	-2.80	-0.82
Q2	11.99	0.25	7.83	7.48	3.62	1.23	1.08	5.11	-4.03
Q3	1.57	0.12	3.68	2.37	0.51	0.07	0.54	1.57	-1.03

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 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.

AC Annex C - Growth and contributions to growth - income components of GDP^{1,2}

Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations ³	Other income ⁴	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Growth				
	KGI3	KH4V	KH6T	KH65
2018	4.1	2.3	4.8	3.0
2019	4.8	3.3	2.4	2.4
2020	2.6	-1.0	-1.9	-49.7
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2018	1.96	0.52	0.86	0.36
2019	2.28	0.72	0.43	0.28
2020	1.28	-0.21	-0.34	-5.84
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2019 Q2	1.7	-2.8	-	4.7
Q3	1.1	5.5	-0.9	-2.6
Q4	0.6	-1.5	0.8	-1.3
2020 Q1	0.9	-1.0	-1.0	-8.7
Q2	-2.9	-5.0	-2.4	-101.4
Q3	3.9	7.3	2.0	-4 279.9
Q4	2.4	-2.0	-1.1	11.8
2021 Q1	0.5	5.2	1.6	-10.6
Q2	1.8	-0.8	1.6	32.5
Q3	1.5	-5.0	1.2	19.3
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2019 Q2	0.86	-0.65	0.01	0.57
Q3	0.51	1.14	-0.15	-0.30
Q4	0.51	-0.61	0.26	-0.26
2020 Q1	0.43	-0.22	-0.18	-1.04
Q2	-1.43	-1.10	-0.43	-10.79
Q3	2.17	1.74	0.40	7.34
Q4	1.23	-0.44	-0.20	0.74
2021 Q1	0.23	1.12	0.26	-0.73
Q2	0.95	-0.19	0.28	2.03
Q3	0.76	-1.08	0.20	1.51
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2019 Q2	6.0	0.7	3.0	1.9
Q3	4.9	4.9	1.4	2.4
Q4	3.5	5.6	0.7	1.0
2020 Q1	4.3	0.1	-1.0	-8.1
Q2	-0.4	-2.2	-3.4	-101.2
Q3	2.4	-0.6	-0.6	-47.1
Q4	4.2	-1.1	-2.6	-40.1
2021 Q1	3.8	5.1	-0.1	-41.4
Q2	8.8	9.7	4.0	-5 632.9
Q3	6.4	-2.8	3.2	57.9
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2019 Q2	2.88	0.15	0.54	0.23
Q3	2.38	1.08	0.25	0.28
Q4	1.68	1.18	0.12	0.12
2020 Q1	2.14	0.01	-0.18	-0.98
Q2	-0.19	-0.47	-0.61	-12.27
Q3	1.15	-0.14	-0.11	-5.50
Q4	2.11	-0.24	-0.46	-4.70
2021 Q1	1.95	1.15	-0.01	-4.50
Q2	4.92	2.33	0.79	9.66
Q3	3.31	-0.65	0.58	3.73

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 GDP¹

Seasonally adjusted data

Reference year 2019

	Final consumption expenditure				Gross capital formation	Gross fixed capital formation	Total exports	less Total imports
	Households	Non-profit institutions ²	General government					
Percentage change, latest year on previous year								
	ZZ93	ZZ94	ZZ95	ZZ96		ZZ97	ZZ98	ZZ99
2018	2.0	1.5	2.3	1.3		2.3	2.4	2.2
2019	1.3	1.8	2.0	3.0		2.8	2.0	1.1
2020	0.8	26.7	21.0	2.3		1.7	0.7	-0.4
Percentage change, latest quarter on previous quarter								
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q		ZZ8R	ZZ8S	ZZ8T
2019 Q2	0.3	-0.5	0.1	3.1		1.1	1.0	1.5
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	0.7	6.4	2.1	2.0		0.4	1.3	-0.6
Q2	-0.5	27.9	37.9	6.4		1.0	-1.5	-0.2
Q3	0.4	-5.7	-14.9	-9.0		—	0.8	0.7
Q4	-0.3	-0.1	-1.8	4.2		0.1	1.4	1.3
2021 Q1	1.2	0.9	2.1	3.8		0.8	1.3	0.1
Q2	0.7	-1.2	-10.3	-0.4		0.3	0.7	1.0
Q3	0.8	-0.2	-0.7	—		0.3	0.3	0.8
Percentage change, latest quarter on corresponding quarter of previous year								
	ZZ8U	ZZ8V	ZZ8W	ZZ8X		ZZ8Y	ZZ8Z	ZZ92
2019 Q2	1.4	0.9	1.7	4.1		3.4	2.3	1.6
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	1.4	10.4	5.6	3.7		2.1	1.9	0.2
Q2	0.6	41.9	45.4	7.0		2.0	-0.6	-1.4
Q3	0.7	31.0	19.3	-2.7		1.5	-0.4	-1.9
Q4	0.4	28.2	17.7	2.8		1.4	2.0	1.2
2021 Q1	0.9	21.5	17.7	4.6		1.9	2.0	1.9
Q2	2.1	-6.1	-23.5	-2.0		1.2	4.3	3.2
Q3	2.4	-0.7	-10.7	7.6		1.6	3.8	3.3

¹ Estimates accurate to 1 decimal place and are available from 1997. Current price and chained volume measure data are available from 1948 annually and 1955 quarterly in tables C1 and C2 respectively.

² Non-profit institutions serving households