

Statistical bulletin

GDP quarterly national accounts, UK: October to December 2019

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



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1 . Main points

- UK gross domestic product (GDP) in volume terms was flat in Quarter 4 (Oct to Dec) 2019, unrevised from the first quarterly estimate.
- When compared with the same quarter a year ago, UK GDP increased by 1.1% to Quarter 4 2019, unrevised from the first quarterly estimate.
- The services sector provided a positive contribution to growth in the output approach to GDP in Quarter 4 2019, however, this was offset by a negative contribution from the production sector.
- Government consumption and trade added to growth in the expenditure approach to GDP in Quarter 4 2019, while private consumption and gross capital formation subtracted from growth.
- There were 0.1 percentage point revisions to GDP growth, upwards in Quarter 1 (Jan to Mar) 2019 and downwards in Quarter 2 (Apr to June) 2019, as a result of updated source data.
- UK GDP increased by 1.4% between 2018 and 2019, unrevised from the first quarterly estimate.

2 . Things you need to know about this release

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

The quarterly national accounts are typically published around 90 days after the end of the quarter. At this stage, the data content of this estimate from the output approach to GDP has risen since the first quarterly estimate to around 90% of the total required for the final output-based estimate. There is also around 90% data content available to produce estimates of GDP from the expenditure approach and around 70% data content from the income approach. Further information on all three approaches to measuring GDP can be found in the [Guide to the UK National Accounts](#).

There were increased challenges around balancing GDP growth for Quarter 4 (Oct to Dec) 2019, in part because of heightened uncertainty around the impact of the UK's planned exit from the EU on the activity of businesses. This has been reflected in the adjustments that have been applied to the expenditure estimates. For this reason, we recommend the breakdown of the expenditure approach to GDP is considered in the context of these adjustments. Further information on these adjustments is available in the [Quality and methodology](#) section.

Data in chained volume measures 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.

In line with the [National Accounts Revisions Policy](#), revisions are open back to Quarter 1 (Jan to Mar) 2019 as part of this publication.

After EU withdrawal

As the UK leaves the EU, it is important that our statistics continue to be of high quality and are internationally comparable. During the transition period, those UK statistics that align with EU practice and rules will continue to do so in the same way as before 31 January 2020.

After the transition period, we will continue to produce our national accounts statistics in line with the UK Statistics Authority's [Code of Practice for Statistics](#) and in accordance with internationally agreed statistical guidance and standards.

The Withdrawal Agreement outlines a need for UK gross national income (a fundamental component of the national accounts, which includes GDP) statistics to remain in line with those of other EU countries until the EU budgets are finalised for the years in which we were a member. To ensure comparability during this cycle, the national accounts will continue to be produced according to [European System of Accounts \(ESA\) 2010](#) definitions and standards.

Quarterly Stocks Inquiry temporary expansion

The Quarterly Stocks Survey (formerly Inquiry) is used in the compilation of the changes in inventories component. To address users' concerns about the sample size of the survey and the potential impact on quality, we temporarily increased the sample size from 5,500 to 9,500 businesses for Quarter 2 (Apr to June) 2019. We have continued to boost the sample since and will be continuing to do so into Quarter 1 (Jan to Mar) 2020.

COVID-19

In response to the developing coronavirus (COVID-19) pandemic, we are working to ensure that we continue to publish economic statistics. For more information please see [COVID-19 and the production of statistics](#). In line with the current government guidelines, we are encouraging ONS staff to work from home and to avoid unnecessary travel and social contact. We have an established infrastructure to help mitigate these changes to ensure we continue to produce economic statistics. We will though continue to review our mitigation as events unfold.

Data in this statistical bulletin and accompanying datasets relate to the Quarter 4 (Oct to Dec) period before reported cases of COVID-19 in the UK.

3 . Headline GDP

UK gross domestic product (GDP) was flat in Quarter 4 (Oct to Dec) 2019, unrevised from the first estimate of GDP. Compared with the same quarter a year ago, UK GDP increased by an unrevised 1.1%, continuing the relatively subdued performance of late (Figure 1).

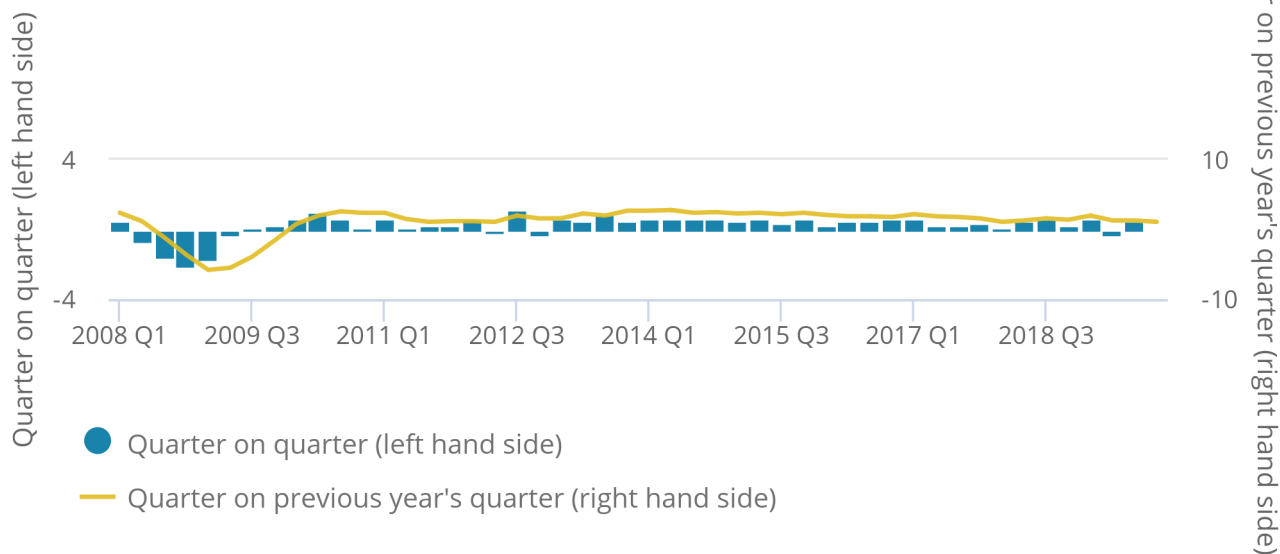
The path of UK GDP growth has been particularly volatile throughout 2019, in part reflecting changes in the timing of activity related to the UK's original planned exit dates from the EU. The UK economy increased by 1.4% in 2019 after having grown 1.3% in 2018. Growth rates in 2018 and 2019 have been the slowest since the financial crisis of 2008 and 2009.

Figure 1: Real GDP was flat in Quarter 4 (Oct to Dec) 2019, unrevised from the first estimate of GDP

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 4 (Oct to Dec) 2019

Figure 1: Real GDP was flat in Quarter 4 (Oct to Dec) 2019, unrevised from the first estimate of GDP

UK, Quarter 1 (Jan to Mar) 2008 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

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. Real GDP figures are volume estimates that are adjusted for the effects of inflation over time.

In line with the [National Accounts Revisions Policy](#), the estimates featured in this statistical bulletin and associated datasets are open to revisions back to Quarter 1 (Jan to Mar) 2019. They include revisions resulting from new survey returns, the incorporation of Value Added Tax (VAT) administrative data up to Quarter 3 (July to Sept) 2019 as well as updates to seasonal adjustment reflecting the latest data. There were small revisions to quarterly real GDP growth in the first two quarters of 2019 (Figure 2).

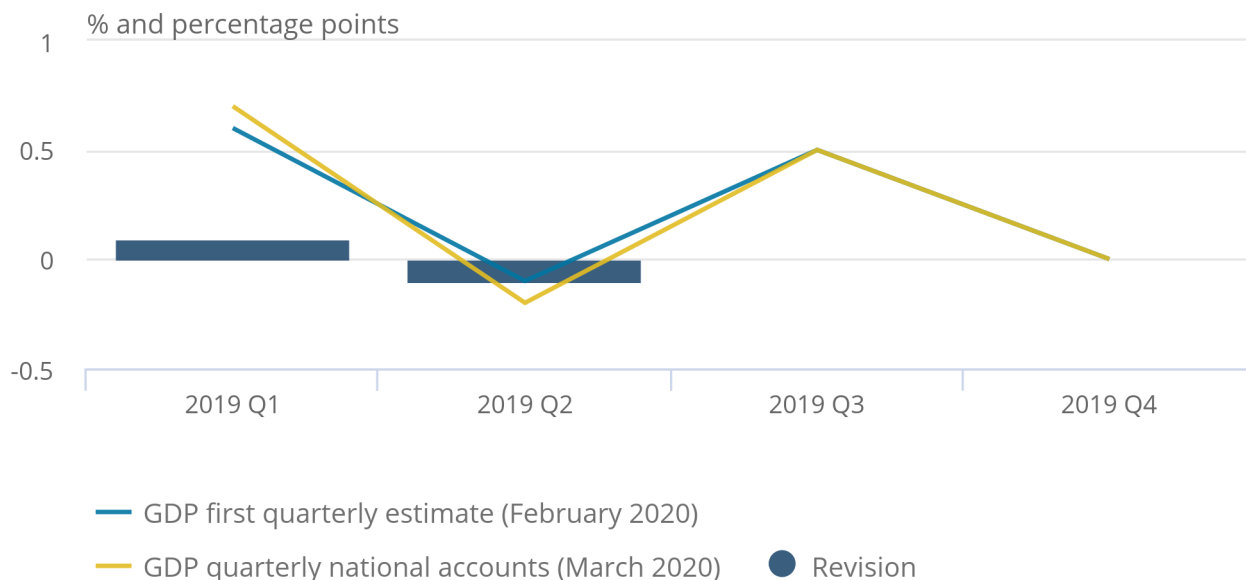
GDP in Quarter 1 2019 is now estimated to have grown by 0.7%, compared with 0.6% in the previous estimate, whilst GDP in Quarter 2 (Apr to June) 2019 is estimated to have fallen by 0.2% compared with a 0.1% fall in the previous estimate. However, annual GDP growth in 2019 remains unrevised at 1.4%.

Figure 2: UK GDP growth has been particularly volatile throughout 2019

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

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



Source: Office for National Statistics – UK National Accounts

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. Real GDP figures are volume estimates that are adjusted for the effects of inflation over time.

Nominal GDP growth has continued to slow of late. It increased by an unrevised 0.1% in the latest quarter, reflecting its weakest rate since Quarter 2 2011. 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 make up GDP. Quarter-on-quarter growth in the implied deflator slowed notably in Quarter 4, increasing by 0.1%. However, compared with the same quarter a year ago, the implied GDP deflator increased by an unrevised 1.8%.

Short-term price changes can be volatile; for a clearer interpretation of underlying trends, and to draw comparisons with other measures of inflation, assessments over the course of a year are advised. Movements in the implied deflator are broadly in line with recent movements in [consumer price inflation](#).

Table 1: Headline economic indicators for the UK
UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

% 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							
2018	1.3	1.6	-0.2	0.7	3.5	4.4	2.1
2019	1.4	1.1	0.6	0.8	3.3	4.4	1.9
Q1 2018	0.1	0.4	-1.2	-0.1	0.7	1.2	0.6
Q2 2018	0.5	0.6	-0.2	0.4	1.0	0.8	0.5
Q3 2018	0.6	0.4	0.3	0.4	1.1	1.5	0.5
Q4 2018	0.2	0.2	-0.1	0.1	0.4	1.5	0.2
Q1 2019	0.7	0.1	1.0	0.5	1.4	0.5	0.7
Q2 2019	-0.2	0.5	-0.5	-0.3	0.3	1.6	0.5
Q3 2019	0.5	0.2	0.5	0.4	1.0	0.9	0.5
Q4 2019	0.0	0.0	-1.2	-0.1	0.1	0.6	0.1

Notes

1. Percentage change on previous period. [Back to table](#)
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). [Back to table](#)
3. Population data are consistent with the 26 June 2019 published estimates. [Back to table](#)

4 . Output

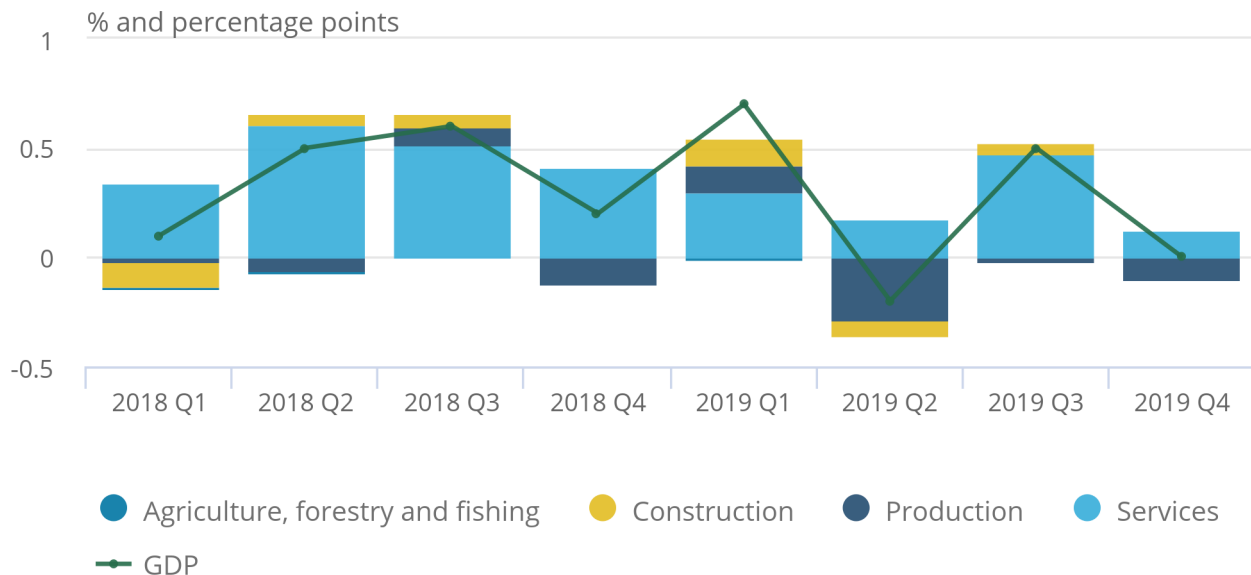
Services output increased by 0.2% in Quarter 4 (Oct to Dec) 2019. Production output fell by 0.7% in Quarter 4 2019, driven by declines in manufacturing, and mining and quarrying. Meanwhile, construction output decreased by 0.1% in the fourth quarter (Figure 3).

Figure 3: Services output growth slowed in Quarter 4 2019, while both production and construction output fell

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 3: Services output growth slowed in Quarter 4 2019, while both production and construction output fell

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to real GDP quarter-on-quarter growth.
3. Components contributions may not sum to total because of rounding.

Services

Services output increased by 0.2% in Quarter 4 2019, a slight upward revision from the first estimate, reflecting better alignment with government data sources and broad-based revisions across a number of sub-sectors. This slowdown in services sector growth in the fourth quarter was broad-based (Figure 4).

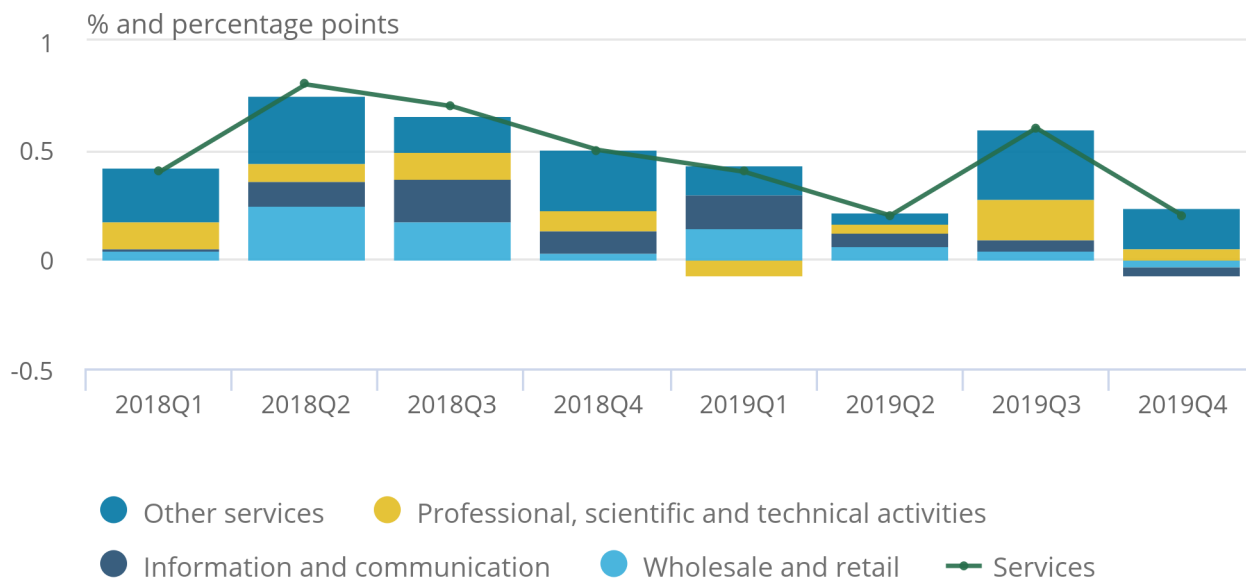
The slowing in the fourth quarter of 2019 is also reflected in the [Bank of England Agents' Summary](#), which recorded a weakening in business services activity as political uncertainty weighed on activity. The [Services PMI \(PDF, 182.92KB\)](#) also reported a relatively subdued picture in the final month of 2019, reporting that business activity was unchanged in December following a marginal reduction in the previous month.

Figure 4: Services sector output grew by a revised 0.2% in Quarter 4 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 4: Services sector output grew by a revised 0.2% in Quarter 4 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to quarter-on-quarter service sector growth.
3. Components contributions may not sum to total because of rounding.

Production

The volatility throughout the first half of 2019 has been particularly pronounced in production, specifically in manufacturing. This was consistent with activity being brought forward ahead of the UK’s original intended EU departure date, followed by a slowdown in activity in Quarter 2 (Apr to June) exacerbated by partial car plant shutdowns in April. Similar impacts were seen in the manufacturing industry ahead of the second intended EU departure date in October, although to a lesser degree.

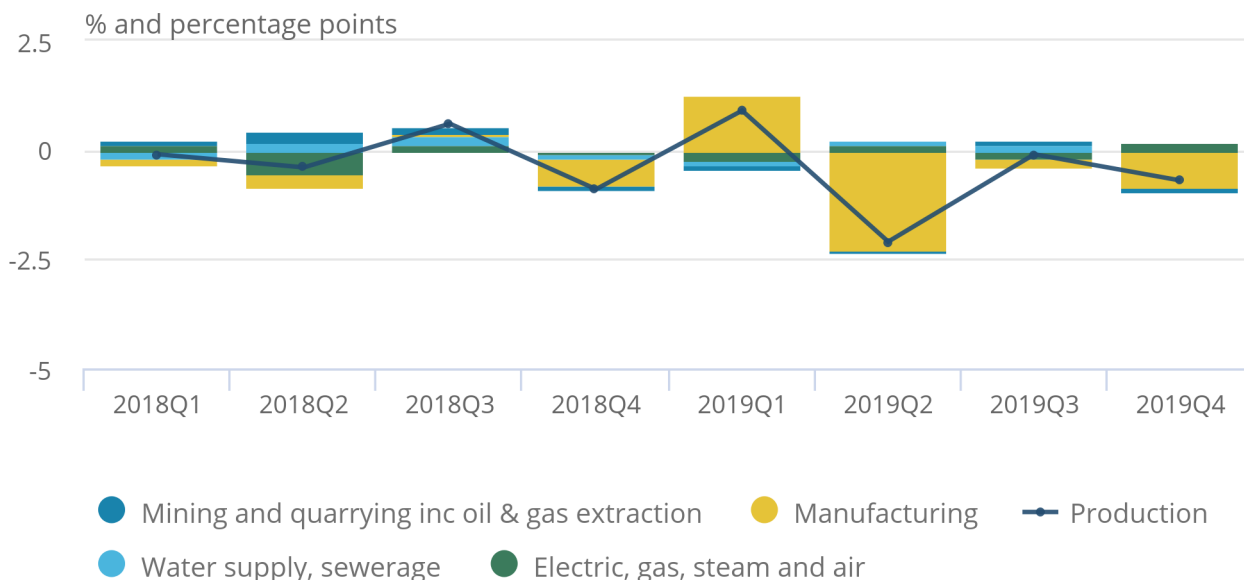
Production output fell by 0.7% in Quarter 4 2019, the third consecutive quarter of decline (Figure 5). Similarly, this was also the third consecutive quarter of decline in manufacturing output, which may partially reflect relatively [weaker global GDP growth](#), as global trade tensions have weighed on economic activity. Production is now estimated to have declined by 1.4% in 2019, the first annual contraction in production output since 2013. Manufacturing output fell by 1.7% in 2019, downwardly revised from the initial estimate of a 1.5% decline.

Figure 5: Production output fell 0.7% in Quarter 4 2019, the third consecutive quarter of decline

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 5: Production output fell 0.7% in Quarter 4 2019, the third consecutive quarter of decline

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to quarter-on-quarter production growth.
3. Components contributions may not sum to total because of rounding.

The fall in manufacturing output reflects widespread declines across a number of industries. The manufacture of transport equipment fell sharply in Quarter 4 2019, which partially reflects several factories going ahead with planned shutdowns in November 2019. The decline in transport equipment manufacturing is also evident in recent data from the Society of Motor Manufacturers and Traders (SMMT), which recorded [a 6.4% fall in car production in Quarter 4 and a 14.2% decline in 2019 as a whole](#). The SMMT attributed the decline to a number of factors, including weakened consumer and business confidence at home, slower demand in important overseas markets, a number of significant model production changes and a shift from diesel across Europe.

The often-volatile manufacture of pharmaceutical products also fell in the final quarter of 2019 following a relatively flat Quarter 3.

While there is both external intelligence and evidence from our [Quarterly Stocks Survey](#) that there was an increase in stockpiling in the latest quarter, it is difficult to unpick the extent to which this has affected manufacturing output over this period. The [Bank of England Agents' Summary](#) noted how “stockbuilding activity ahead of the October Brexit deadline was lower than it had been ahead of the original March deadline”. The weakness in the manufacturing industry in the three months to December is corroborated by the [CBI Industrial Trends Survey](#), which noted how output volumes fell at the fastest rate since September 2009, reflecting “widespread weakness in the global manufacturing sector and the impact of continued Brexit uncertainty in the run-up to the General Election”.

Mining and quarrying output fell 2.7% in Quarter 4 2019, partially reflecting [ongoing shutdown issues](#) at an onshore facility, which are increasingly impacting North Sea gas production.

Construction

Following growth of 0.9% in the third quarter, construction output fell by a downwardly revised 0.1% in Quarter 4 2019.

The decline in construction output in the fourth quarter is corroborated by external evidence, such as the [Bank of England Agents' Summary](#), which recorded a marginal reduction in construction activity in Quarter 4 as uncertainty caused work in a number of construction industries to be delayed. There were also revisions to quarterly growth in construction in the first three quarters of 2019 as a result of new survey data. Construction output is now estimated to have increased by 2.3% in 2019.

5 . Expenditure

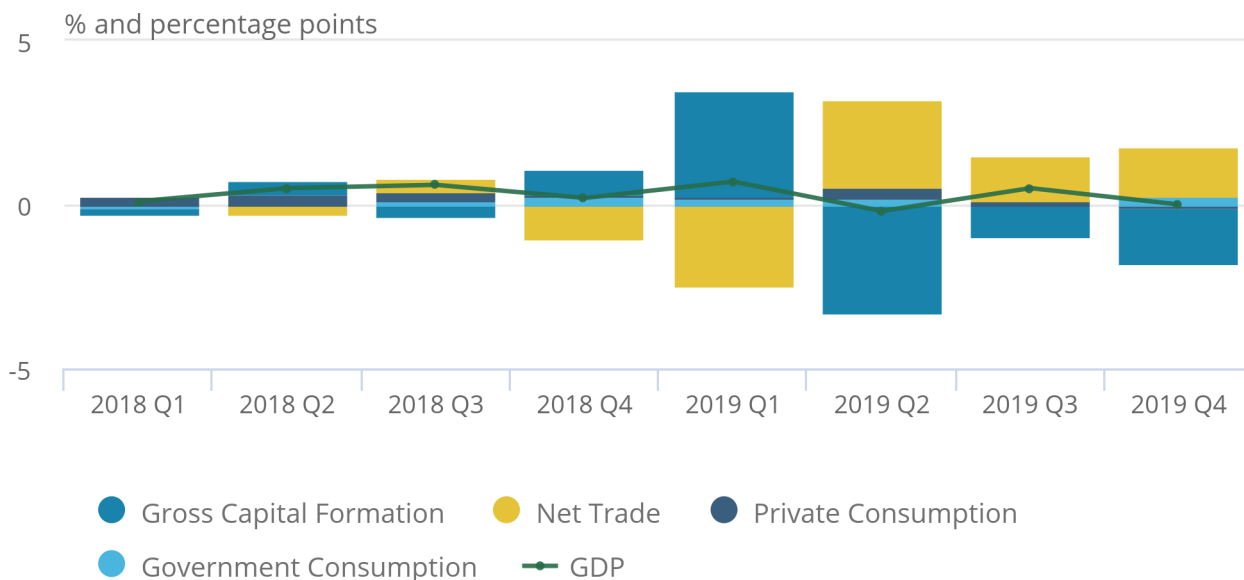
Government consumption and net trade contributed positively to growth in the fourth quarter (Oct to Dec), whilst private consumption is now estimated to have subtracted from growth (Figure 6). Gross capital formation (GCF) also detracted from growth in Quarter 4 2019, although there was some evidence of stockpiling taking place in the latest quarter.

Figure 6: Government consumption and net trade contributed positively to growth in Quarter 4 2019 while private consumption and gross capital formation subtracted from growth

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 6: Government consumption and net trade contributed positively to growth in Quarter 4 2019 while private consumption and gross capital formation subtracted from growth

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to real GDP quarter-on-quarter growth.
3. Components contributions may not sum to total due to rounding. The statistical discrepancy is also not displayed.
4. Private consumption is household final consumption expenditure and non-profit institutions serving households.

Private consumption

Household consumption was flat in the fourth quarter, a downward revision from the first estimate. This is the first quarter that household consumption has not increased since Quarter 4 2015. The latest [Bank of England Agents' Summary of Business Conditions](#) noted muted growth in consumer demand, stating that “annual growth in retail sales values remained subdued” in the final quarter of 2019. The latest official figures show that retail sales fell 1.0% in Quarter 4 2019.

The [GfK Consumer Confidence](#) figures in December found that there was a slight increase in consumer positivity at the end of 2019, though the overall Consumer Confidence Index score remains in negative territory. Increases in spending on housing, water, electricity, gas and other fuels in Quarter 4 2019 were offset by declines in spending in other areas, such as transport, and restaurants and hotels.

There were also downward revisions to household consumption in the first (Jan to Mar) and third (July to Sept) quarters of 2019 caused by actual data replacing forecast data. As such, household consumption is now estimated to have increased by a downwardly revised 1.1% in 2019.

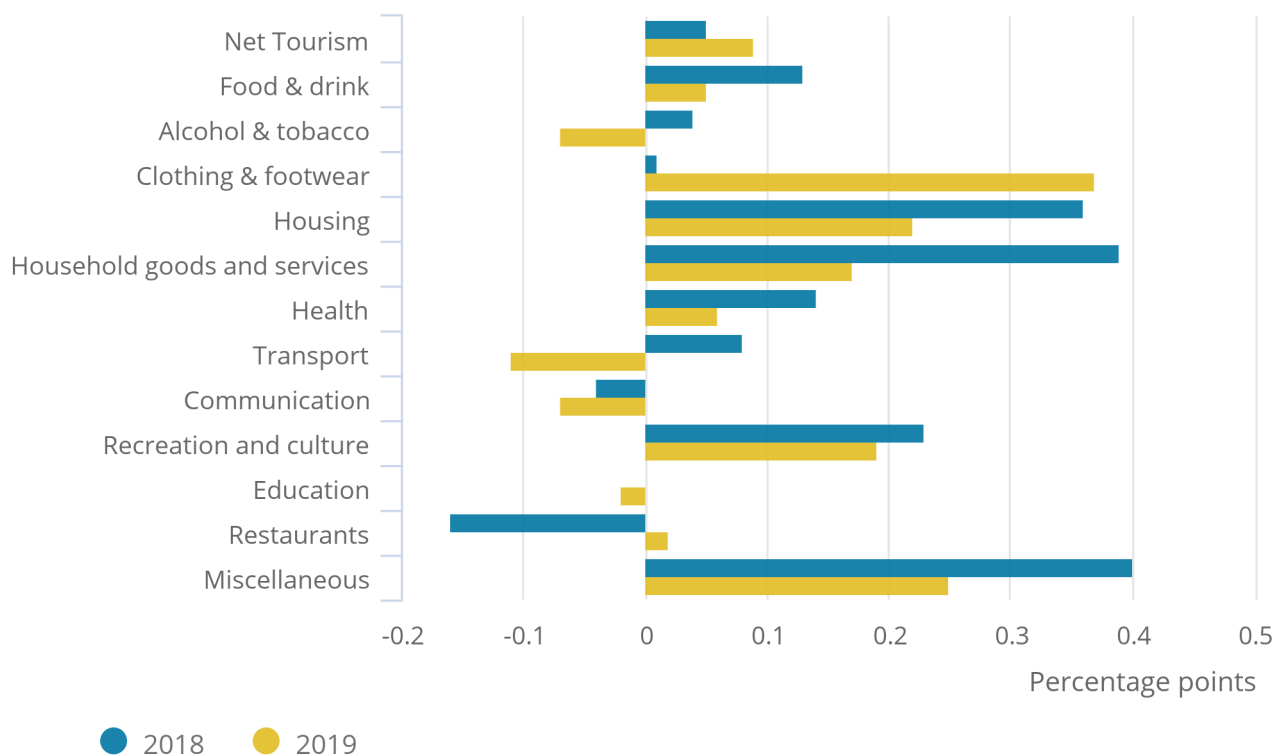
The 2019 growth rate represents a slowing from the 1.6% growth rate in 2018 and is the weakest annual figure since 2011. This easing is most notable in household goods and services, and housing, but can also be seen in miscellaneous, recreation and culture, health, and food and drink (Figure 7).

Figure 7: Growth in household consumption slowed to 1.1% in 2019, with a notable easing in expenditure on household goods and services as well as miscellaneous items

UK, contributions to growth, 2018 and 2019

Figure 7: Growth in household consumption slowed to 1.1% in 2019, with a notable easing in expenditure on household goods and services as well as miscellaneous items

UK, contributions to growth, 2018 and 2019



Source: Office for National Statistics – UK National Accounts

Notes:

- Contributions represent contributions to overall household consumption growth. Contributions may not sum exactly because of rounding.

Government consumption

Government consumption increased by 1.5% in Quarter 4 2019, driven by education and health. Whilst there have been revisions to the quarterly path, primarily reflecting new data replacing earlier forecasts, annual growth for 2019 remains unrevised. Government consumption increased by 3.5% over the year, its largest increase since 2005, driven by central government spending in a number of areas including health, education and defence.

Net trade

Trade imports and exports have been volatile through 2019, in part reflecting the effects of movements of precious metals, which include non-monetary gold. Today's estimates show that the UK posted a trade surplus of 1.4% of nominal gross domestic product (GDP) in Quarter 4 2019 (Figure 8). This trade surplus is larger than previously estimated.

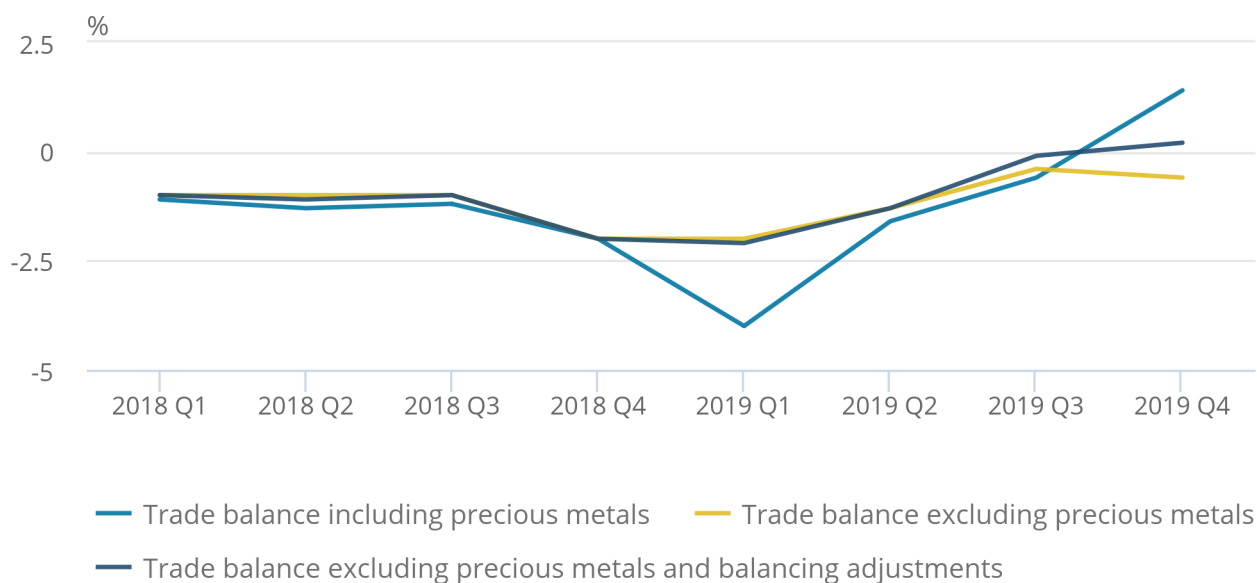
However, it should be noted that this figure is inclusive of precious metals. When these are excluded, the UK had a trade deficit of 0.6% of nominal GDP in the latest quarter. Users are advised that significant balancing adjustments have been applied to trade figures to produce a balanced estimate of GDP, more detailed information can be found in the [UK trade](#) release. When both precious metals and balancing adjustments are removed, the UK had a trade surplus of 0.2%.

Figure 8: The UK posted a trade surplus of 1.4% of nominal GDP in Quarter 4 2019, though the trade balance was in deficit excluding precious metals

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 8: The UK posted a trade surplus of 1.4% of nominal GDP in Quarter 4 2019, though the trade balance was in deficit excluding precious metals

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. The trade balance is calculated using current price estimates of GDP and net trade.

Although the latest quarterly import figures do not show strong evidence of stockpiling in Quarter 4 2019, monthly data on UK imports from the EU suggest that activity was being brought forward in preparation for the UK's intended departure date from the EU on 31 October 2019. In particular, increases in trade in goods imports from the EU in September and October were followed by falls in November and December. This pattern is consistent with that seen in advance of the UK's original departure date at the end of March 2019, albeit less pronounced.

Gross capital formation

Gross fixed capital formation (GFCF) fell by 1.2% in the fourth quarter of 2019, an upward revision of 0.4 percentage points. The fall was driven by declines in investment in information and communication technology (ICT) equipment, dwellings and transport, though these were partially offset by an increase in investment in other buildings and structures.

Business investment fell 0.5% in the fourth quarter, continuing its recent subdued performance that likely reflects the recent period of increased uncertainty (Figure 9). This represents an upward revision of 0.5 percentage points in Quarter 4 2019 resulting from updated survey data.

Following a fall of 1.5% in 2018, business investment increased by 0.6% in 2019, which is one of the weakest figures since the financial crisis. The varying contributions of each business investment asset to annual growth in 2018 and 2019 have led to changes in the composition of business investment. IPPs and other buildings and structures account for more of business investment than they did in 2017, while ICT equipment, other machinery, and equipment and transport account for less. For more information on business investment please see the latest [Business investment in the UK](#) release.

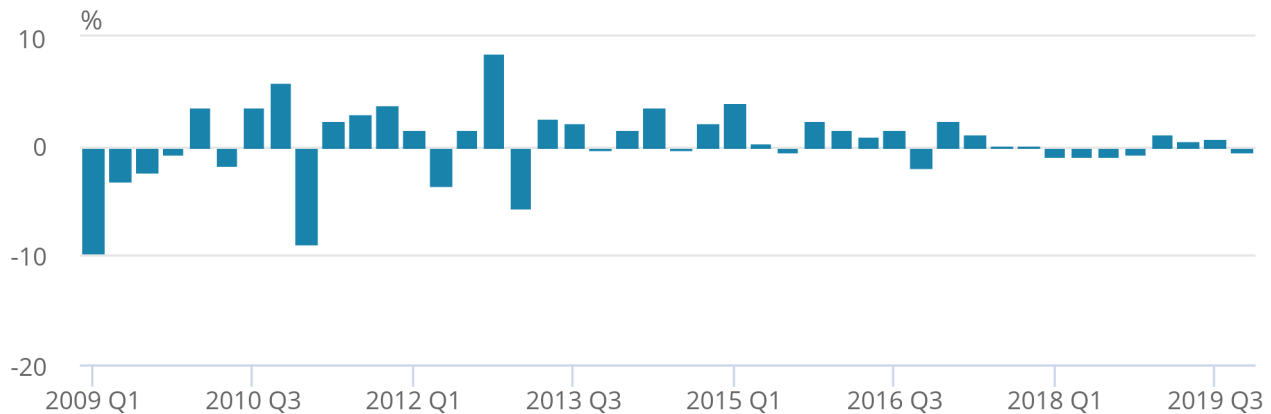
External evidence suggests that investment intentions remained weak in the fourth quarter. For example, the Quarter 4 2019 [Decision Maker's Panel](#) states that "the share of firms reporting that Brexit was an important source of uncertainty for their business remained elevated in November". However, the more timely [Deloitte CFO Survey](#) points out that Brexit is no longer a top concern for CFOs, citing the easing in trade tensions between the United States and China towards the end of 2019 and the reduced political uncertainty following the December 2019 UK General Election amongst reasons for this trend.

Figure 9: Following three consecutive quarters of growth, business investment fell by 0.5% in the fourth quarter

UK, Quarter 1 (Jan to Mar) 2009 to Quarter 4 (Oct to Dec) 2019

Figure 9: Following three consecutive quarters of growth, business investment fell by 0.5% in the fourth quarter

UK, Quarter 1 (Jan to Mar) 2009 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

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. Business investment refers to quarter-on-quarter growth in volume estimates of business investment.

Government investment fell by 1.2% in Quarter 4 2019, a downward revision from the first estimate. The fall in government investment in the fourth quarter primarily reflects reduced central government investment. Government investment figures were also downwardly revised in the first two quarters of 2019, reflecting updates to seasonal adjustment. Government investment is now estimated to have increased by 1.4% in 2019.

Alignment and balancing adjustments are typically applied to the inventories component to help balance the different approaches to GDP – more detail on these can be found in the Quality and methodology section of this bulletin. When these adjustments are removed, there is some evidence that stockpiling was taking place in the last quarter of 2019, as there was an increase of £2.4 billion in stocks being held by UK companies in Quarter 4 2019 (Table 2). Earlier in the year, businesses appeared to be running down their stock levels in the second and third quarters of 2019 following a period of pronounced stockpiling in the first quarter ahead of the UK's original planned exit date from the European Union.

Table 2: Change in inventories, including and excluding balancing and alignment adjustments
UK, Quarter 1 (Jan to Mar) 2019 to Quarter 4 (Oct to Dec) 2019

	Change in Inventories	Of which alignment	Of which balancing	Change in Inventories excluding alignment and balancing
2019 Q1 Current price	8467	2083	-1000	7384
Chained volume measure	6457	1973	-1500	5984
2019 Q2 Current price	2386	541	-500	2345
Chained volume measure	-14	504	-500	-18
2019 Q3 Current price	-1951	118	-650	-1419
Chained volume measure	-4628	104	-650	-4082
2019 Q4 Current price	-1514	-2742	-1000	2228
Chained volume measure	-3161	-2581	-3000	2420

Source: Office for National Statistics

Notes

1. Data are in £ millions. [Back to table](#)
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). [Back to table](#)

6 . Income

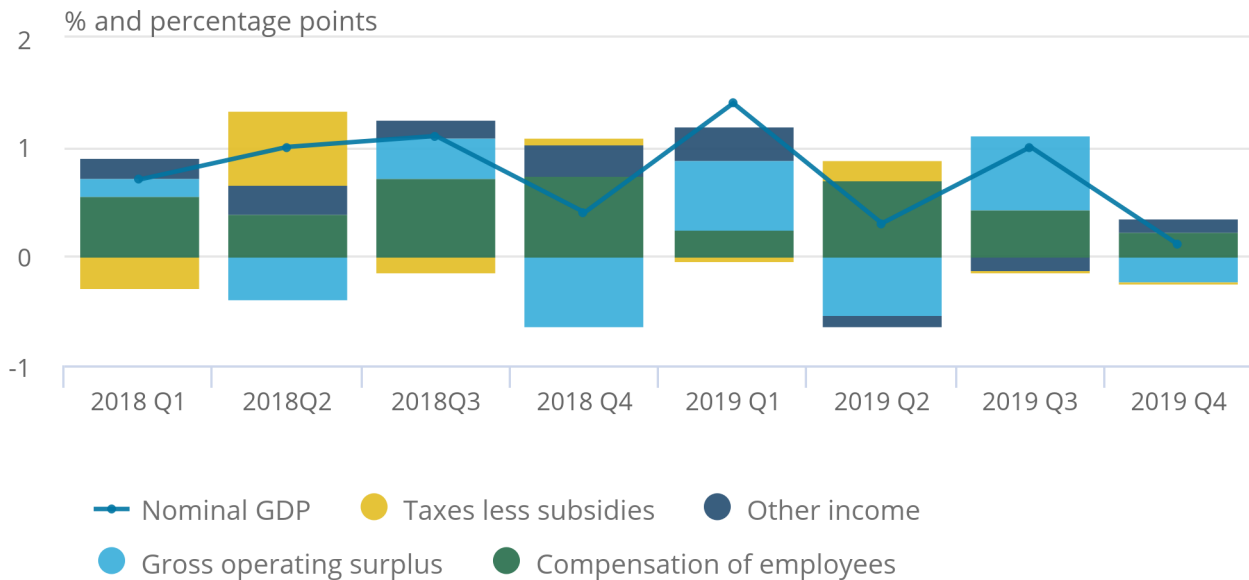
Nominal gross domestic product (GDP) grew by an unrevised 0.1% in Quarter 4 (Oct to Dec) 2019, following an increase of 1.0% in the previous quarter (Figure 10). This is the weakest quarterly figure since Quarter 2 2011. Nominal GDP growth in the second quarter was revised down by 0.1 percentage points whilst growth in the third quarter was upwardly revised by 0.1 percentage points.

Figure 10: Nominal GDP growth slowed to 0.1% in Quarter 4 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

Figure 10: Nominal GDP growth slowed to 0.1% in Quarter 4 2019

UK, Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019



Source: Office for National Statistics – UK National Accounts

Notes:

1. Q1 refers to Quarter 1 (Jan to Mar), Q2 refers to Quarter 2 (Apr to June), Q3 refers to Quarter 3 (July to Sept) and Q4 refers to Quarter 4 (Oct to Dec).
2. Chart shows contribution to nominal GDP quarter-on-quarter growth.
3. Components contributions may not sum to total because of rounding.

Compensation of employees (CoE) increased by 0.6% in the fourth quarter, an easing from the third quarter, driven by wages and salaries. Gross operating surplus (GOS) of corporations fell by 1.3% in the fourth quarter, following an increase of 3.5% in the previous quarter. This was driven by GOS of private non-financial corporations and financial corporations, which fell by 1.5% and 0.5%, respectively. Meanwhile, following two consecutive quarters of decline, other income (which includes mixed income and the operating surplus of the non-corporate sector) grew by 0.7% in Quarter 4 2019.

7 . How is the UK economy performing compared with other European and non-European countries?

Table 3: International GDP growth rate comparisons
Quarter 1 (Jan to Mar) 2018 to Quarter 4 (Oct to Dec) 2019

	EU28	EA19	G7	France	Germany	Italy	UK	Canada	Japan	USA
Q1 2018	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.5	-0.5	0.6
Q2 2018	0.5	0.4	0.6	0.2	0.4	0.0	0.5	0.4	0.5	0.9
Q3 2018	0.3	0.2	0.3	0.3	-0.1	-0.1	0.6	0.6	-0.8	0.7
Q4 2018	0.4	0.4	0.3	0.5	0.2	0.1	0.2	0.2	0.6	0.3
Q1 2019	0.5	0.5	0.6	0.3	0.5	0.2	0.7	0.2	0.5	0.8
Q2 2019	0.2	0.1	0.4	0.4	-0.2	0.1	-0.2	0.9	0.6	0.5
Q3 2019	0.4	0.3	0.4	0.3	0.2	0.1	0.5	0.3	0.0	0.5
Q4 2019	0.1	0.1	0.0	-0.1	0.0	-0.3	0.0	0.1	-1.8	0.5

Source: Office for National Statistics (UK) and Organisation for Economic Co-operation and Development (OECD)

Notes

1. Table shows quarter-on-quarter percentage change. [Back to table](#)
2. All series except G7 are in national currencies. G7 is in US dollars to allow additivity between countries with differing national currencies. [Back to table](#)
3. Data are in chained volume measures and are seasonally adjusted. [Back to table](#)

Within this international comparison, France, Italy and Japan were the only three countries to report negative growth in Quarter 4 (Oct to Dec) 2019. This is the first time France has experienced negative growth since Quarter 2 (Apr to June) 2016; both Italy and Japan recorded negative growth in Quarter 3 (July to Sept) 2018.

The strongest growth seen over the latest quarter was 0.5% in the United States, now growing at the same rate for the third quarter in a row. European Union (EU28) economies grew by an average of 0.1% in Quarter 4 2019, which is the weakest growth experienced since Quarter 1 (Jan to Mar) 2013.

G7 countries experienced, on average, no growth in Quarter 4 2019. However, most G7 countries are above their pre-economic downturn peaks, the exception being Italy where gross domestic product (GDP) remains 5% below the pre-downturn peak (Quarter 1 2008). The United States is still showing the biggest recovery over this period, up to 22.6% since the downturn. Canada is also still showing the second-largest recovery, up to 21.2% over the period.

The estimates quoted in this international comparison section are the latest available estimates at the time of preparation of this statistical bulletin and may subsequently have been revised. The data are gathered from the Organisation for Economic Co-operation and Development's website excluding the data from the UK, which is compiled by the Office for National Statistics.

8 . Links to related statistics

Release content

All data in this bulletin are seasonally adjusted estimates. Non-seasonally adjusted data are available within the UK Economic Accounts (UKEA). These data can be downloaded directly from the UKEA dataset and on the UKEA main aggregates dataset table. Data published in the UKEA reflect data as published on 31 March 2020 and are consistent with the data in this release.

A number of other economic indicators were published on 31 March 2020, these include:

- [Business investment](#)
- [Quarterly sector accounts](#)
- [Balance of payments](#)
- [Consumer trends](#)

Monthly GDP

On 11 March 2020, estimates of [Monthly GDP](#) were published for January 2020. The [Index of Services](#), [Index of Production](#) and [Construction output in Great Britain](#) publications covering the period up to January 2020 are also available. The next monthly GDP release (on 9 April 2020) will include data consistent with the revisions seen in this release.

9 . Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Gross domestic product \(GDP\) QMI](#).

The national accounts are drawn together using data from many different sources. This ensures that the national accounts are comprehensive and provide different perspectives on the economy, for example, sales by retailers and purchases by households.

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 [Quality and Methodology Information report](#) analyses the mean average revision and the mean absolute revision for GDP estimates over data publication iterations.

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 takes the lead because of its larger data content.

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 [quarterly national accounts data tables](#) in this release, have a target limit of plus or minus £2,000 million on any quarter. However, in periods where the data sources are particularly difficult to balance, larger alignment adjustments are sometimes needed. This has been the case in Quarter 4 (Oct to Dec) 2019 for expenditure.

To achieve a balanced GDP dataset through alignment, balancing adjustments are applied to the components of GDP where required. They are applied to the individual components 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.

Table 4: Balancing adjustments applied to the GDP quarterly national accounts dataset for Quarter 1 (Jan to Mar) 2019 to Quarter 4 (Oct to Dec) 2019
UK, Quarter 1 (Jan to Mar) 2019 to Quarter 4 (Oct to Dec) 2019

GDP measurement approach and component adjustment applied to		Q1 2019	Q2 2019	Q3 2019	Q4 2019
Expenditure					
Trade in Services (exports)	Current prices	500	-	-1000	-1250
	Chained volume measure	1000	-	-1000	-1250
Trade in Services (imports)	Current prices	-	-	500	3250
	Chained volume measure	-	250	750	3250
Change in inventories	Current prices	-1000	-500	-650	-1000
	Chained volume measure	-1500	-500	-650	-3000
Gross fixed capital formation	Current prices	-	-	-	-
	Chained volume measure	-	-	-	-250
Income					
Financial corporations GOS	Current prices	-250	-	-	-
Private non-financial corporations GOS	Current prices	-500	-250	-250	-250

Source: Office for National Statistics

Notes

- Adjustments are in £ million. [Back to table](#)
- 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). [Back to table](#)
- GOS refers to Gross Operating Surplus. [Back to table](#)

We have applied larger than usual adjustments to the expenditure approach in Quarter 4 (Oct to Dec) 2019 in part after heightened uncertainty around the impact of the UK's planned exit from the EU on the timing of activity of businesses.

A1 National accounts aggregates^{1,2}

2016 = 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	Gross national disposable income at market prices	Market sector gross value added	Gross national expenditure	Gross domestic product at market prices	Gross value added at basic prices
2016	YBEU	YBEX	YBEZ	CGCE	YBFP	L48H	YBFV	YBGB	CGBV
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	103.8	103.9	101.9	102.0	103.0	102.8	102.2	101.9	101.8
2018	107.5	107.6	103.3	103.3	104.3	104.9	104.3	104.1	104.1
2019	111.0	111.2	104.7	104.8	105.8	106.0	106.1	106.0	106.1
Seasonally adjusted									
2016 Q3	100.4	100.5	100.2	100.2	100.3	100.1	100.2	100.2	100.3
Q4	101.7	101.7	100.8	100.9	102.0	101.0	100.7	100.9	100.8
2017 Q1	102.9	103.0	101.4	101.5	102.9	102.2	102.0	101.5	101.4
Q2	103.3	103.5	101.7	101.8	102.3	102.5	101.8	101.6	101.7
Q3	103.8	103.7	102.0	102.1	103.2	103.0	102.1	101.7	101.6
Q4	105.2	105.3	102.4	102.5	103.8	103.7	102.9	102.7	102.7
2018 Q1	106.0	106.3	102.5	102.6	103.7	103.9	103.5	103.4	103.7
Q2	107.0	106.9	103.0	103.1	104.5	104.6	104.0	103.9	103.7
Q3	108.2	108.3	103.6	103.7	104.5	105.3	104.8	104.4	104.5
Q4	108.6	108.7	103.9	103.9	104.4	105.6	104.9	104.6	104.6
2019 Q1	110.1	110.3	104.6	104.6	106.0	106.1	105.3	105.3	105.4
Q2	110.5	110.6	104.4	104.5	105.4	105.7	105.9	105.8	105.9
Q3	111.6	111.8	104.9	105.0	105.2	106.2	106.8	106.4	106.5
Q4	111.8	112.0	105.0	105.0	106.4	106.1	106.3	106.5	106.6
Percentage change, latest year on previous year									
	IHYM	KGL6	IHYP	KGM7	KH6X	L489	KH7D	IHYS	KGM4
2016	4.1	4.0	1.9	1.9	2.1	2.5	1.9	2.1	2.0
2017	3.8	3.9	1.9	2.0	3.0	2.8	2.2	1.9	1.8
2018	3.5	3.6	1.3	1.3	1.2	2.0	2.1	2.1	2.2
2019	3.3	3.4	1.4	1.4	1.4	1.1	1.7	1.9	1.9
Percentage change, latest quarter on previous quarter									
	IHYN	KGL8	IHYQ	KGM9	KH6Z		KH7E	IHYT	KGM5
2016 Q3	0.6	0.7	0.5	0.5	1.1	0.2	0.2	0.2	0.1
Q4	1.3	1.2	0.6	0.7	1.7	0.9	0.4	0.7	0.5
2017 Q1	1.2	1.2	0.6	0.6	0.8	1.1	1.3	0.6	0.7
Q2	0.4	0.5	0.3	0.3	-0.6	0.3	-0.2	0.2	0.2
Q3	0.4	0.2	0.3	0.3	0.9	0.5	0.2	0.1	-0.1
Q4	1.4	1.5	0.4	0.4	0.6	0.7	0.8	1.0	1.2
2018 Q1	0.7	0.9	0.1	-	-0.1	0.2	0.6	0.6	0.9
Q2	1.0	0.5	0.5	0.5	0.7	0.7	0.4	0.5	-
Q3	1.1	1.4	0.6	0.6	-	0.7	0.8	0.5	0.8
Q4	0.4	0.4	0.2	0.2	-0.1	0.2	-	0.2	0.2
2019 Q1	1.4	1.5	0.7	0.7	1.5	0.4	0.4	0.7	0.8
Q2	0.3	0.3	-0.2	-0.2	-0.5	-0.4	0.6	0.5	0.5
Q3	1.0	1.1	0.5	0.5	-0.2	0.5	0.9	0.5	0.5
Q4	0.1	0.1	-	-	1.1	-0.1	-0.5	0.1	0.1
Percentage change, latest quarter on corresponding quarter of previous year									
	IHYO	KGM2	IHYR	KGN3	KH73	L48D	KH7F	IHYU	KGM6
2016 Q3	4.1	4.1	1.9	2.0	1.9	2.5	1.7	2.1	2.1
Q4	4.8	4.8	1.8	2.0	5.4	3.5	2.9	3.0	2.7
2017 Q1	4.8	5.0	2.2	2.3	4.4	3.2	2.9	2.5	2.6
Q2	3.6	3.7	1.9	2.1	3.1	2.6	1.8	1.6	1.6
Q3	3.4	3.2	1.8	1.9	2.9	2.9	1.8	1.6	1.3
Q4	3.5	3.6	1.6	1.6	1.7	2.7	2.2	1.8	2.0
2018 Q1	2.9	3.3	1.1	1.0	0.8	1.7	1.5	1.9	2.2
Q2	3.6	3.3	1.3	1.3	2.1	2.1	2.1	2.2	2.0
Q3	4.3	4.4	1.6	1.5	1.3	2.3	2.7	2.6	2.9
Q4	3.3	3.2	1.4	1.4	0.6	1.8	1.9	1.8	1.9
2019 Q1	3.9	3.8	2.0	2.0	2.2	2.1	1.6	1.9	1.7
Q2	3.2	3.5	1.3	1.3	0.9	1.0	1.9	1.9	2.2
Q3	3.2	3.2	1.3	1.3	0.7	0.8	1.9	1.9	2.0
Q4	2.9	3.0	1.1	1.1	1.9	0.5	1.4	1.8	1.9

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

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

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

A2 National accounts aggregates¹

£ million

	Current prices				Chained Volume Measures (Reference year 2016)				
	Gross national income at market prices	Net income from abroad ²	Gross domestic product at market prices	less Basic price adjustment ³	Gross value added at basic prices	Gross domestic product at market prices	less Basic price adjustment ³	Gross value added at basic prices	Gross value added excluding oil & gas ⁴
	ABMZ	CAES	YBHA	NTAP	ABML	ABMI	NTAO	ABMM	KLS2
2016	1 947 547	-47 931	1 995 478	217 344	1 778 134	1 995 478	217 344	1 778 134	1 769 730
2017	2 046 968	-24 699	2 071 667	224 764	1 846 903	2 033 234	219 805	1 813 429	1 804 895
2018	2 116 774	-27 530	2 144 304	231 722	1 912 582	2 060 494	223 392	1 837 102	1 827 953
2019	2 184 546	-30 342	2 214 888	237 546	1 977 342	2 089 519	226 450	1 863 069	1 853 757
Seasonally adjusted									
2016 Q3	490 142	-10 569	500 711	54 137	446 574	499 836	54 386	445 450	443 235
Q4	499 011	-8 364	507 375	55 293	452 082	503 083	54 379	448 704	446 651
2017 Q1	509 166	-4 292	513 458	55 757	457 701	505 983	54 682	451 301	449 181
Q2	507 982	-7 552	515 534	55 579	459 955	507 255	54 823	452 432	450 296
Q3	511 882	-5 906	517 788	56 732	461 056	508 982	55 022	453 960	451 784
Q4	517 938	-6 949	524 887	56 696	468 191	511 014	55 278	455 736	453 634
2018 Q1	522 413	-6 176	528 589	55 957	472 632	511 318	55 377	455 941	453 775
Q2	528 203	-5 641	533 844	58 803	475 041	514 011	55 709	458 302	456 025
Q3	533 708	-6 170	539 878	58 331	481 547	517 029	56 071	460 958	458 781
Q4	532 450	-9 543	541 993	58 631	483 362	518 136	56 235	461 901	460 298
2019 Q1	543 318	-5 997	549 315	58 929	490 386	521 610	56 537	465 073	462 627
Q2	543 684	-7 450	551 134	59 259	491 875	520 779	56 435	464 344	462 154
Q3	547 147	-9 747	556 894	59 726	497 168	523 513	56 729	466 783	464 409
Q4	550 397	-7 148	557 545	59 632	497 913	523 617	56 749	466 869	464 567
Percentage change, latest year on previous year									
	KH74		IHYM		KGL6	IHYP		KGM7	KLH8
2016	4.0		4.1		4.0	1.9		1.9	1.9
2017	5.1		3.8		3.9	1.9		2.0	2.0
2018	3.4		3.5		3.6	1.3		1.3	1.3
2019	3.2		3.3		3.4	1.4		1.4	1.4
Percentage change, latest quarter on previous quarter									
	KH75		IHYN		KGL8	IHYQ		KGM9	
2016 Q3	1.4		0.6		0.7	0.5		0.5	0.5
Q4	1.8		1.3		1.2	0.6		0.7	0.8
2017 Q1	2.0		1.2		1.2	0.6		0.6	0.6
Q2	-0.2		0.4		0.5	0.3		0.3	0.2
Q3	0.8		0.4		0.2	0.3		0.3	0.3
Q4	1.2		1.4		1.5	0.4		0.4	0.4
2018 Q1	0.9		0.7		0.9	0.1		-	-
Q2	1.1		1.0		0.5	0.5		0.5	0.5
Q3	1.0		1.1		1.4	0.6		0.6	0.6
Q4	-0.2		0.4		0.4	0.2		0.2	0.3
2019 Q1	2.0		1.4		1.5	0.7		0.7	0.7
Q2	0.1		0.3		0.3	-0.2		-0.2	-0.2
Q3	0.6		1.0		1.1	0.5		0.5	0.5
Q4	0.6		0.1		0.1	-		-	-
Percentage change, latest quarter on corresponding quarter of previous year									
	KH76		IHYO		KGM2	IHYR		KGN3	KLH9
2016 Q3	3.8		4.1		4.1	1.9		2.0	2.0
Q4	7.2		4.8		4.8	1.8		2.0	2.0
2017 Q1	7.2		4.8		5.0	2.2		2.3	2.3
Q2	5.1		3.6		3.7	1.9		2.1	2.1
Q3	4.4		3.4		3.2	1.8		1.9	1.9
Q4	3.8		3.5		3.6	1.6		1.6	1.6
2018 Q1	2.6		2.9		3.3	1.1		1.0	1.0
Q2	4.0		3.6		3.3	1.3		1.3	1.3
Q3	4.3		4.3		4.4	1.6		1.5	1.5
Q4	2.8		3.3		3.2	1.4		1.4	1.5
2019 Q1	4.0		3.9		3.8	2.0		2.0	2.0
Q2	2.9		3.2		3.5	1.3		1.3	1.3
Q3	2.5		3.2		3.2	1.3		1.3	1.3
Q4	3.4		2.9		3.0	1.1		1.1	1.1

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

2 Includes employment, entrepreneurial and property income.

3 Taxes on products less subsidies.

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

B2 Gross value added at chained volume measures basic prices, by category of output^{1,2}

2016 = 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
2016 Weights³	105	108	28	72	140	126	49	58	75	35	796
	L2NE	K18M	L2NQ	L2O6	L2OC	L2OH	L2P8	L2PA	L2PC	L2Q5	L2NC
2016	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2017	102.5	103.6	102.4	99.1	99.0	104.3	100.8	101.2	101.0	102.1	101.7
2018	102.7	107.6	104.9	98.1	99.6	109.0	101.6	101.9	101.5	103.2	103.7
2019	108.8	112.2	107.0	95.1	100.2	111.8	103.8	104.6	103.3	102.6	105.5
Seasonally adjusted											
2016 Q3	99.8	100.8	100.0	102.2	99.9	100.2	99.7	99.6	100.0	100.3	100.3
Q4	101.8	101.5	100.7	101.0	100.6	101.5	99.9	100.1	100.3	99.7	100.9
2017 Q1	101.7	101.8	102.2	99.9	99.3	102.9	100.4	101.5	101.0	101.0	101.1
Q2	102.2	103.4	102.6	99.6	98.9	103.0	101.1	101.2	101.5	102.4	101.5
Q3	102.8	104.0	102.5	98.9	98.8	104.9	100.7	101.2	101.1	102.6	101.8
Q4	103.1	105.1	102.2	98.1	99.1	106.5	100.9	101.0	100.6	102.3	102.2
2018 Q1	103.4	105.0	102.9	99.2	99.5	107.4	100.8	101.1	101.2	102.5	102.6
Q2	105.4	106.5	104.7	98.6	99.7	108.4	101.3	101.7	101.2	103.6	103.4
Q3	106.9	108.7	105.2	97.6	99.6	109.5	102.3	102.0	101.5	103.4	104.1
Q4	107.1	110.0	106.8	96.8	99.7	110.8	102.2	102.7	102.0	103.5	104.6
2019 Q1	108.4	111.5	107.6	95.3	99.9	110.8	103.3	103.6	102.5	102.0	105.0
Q2	108.8	112.1	107.2	94.7	100.2	110.9	103.6	104.5	102.9	101.6	105.2
Q3	109.1	112.8	106.6	95.4	100.3	112.5	103.4	104.9	103.8	103.3	105.9
Q4	108.9	112.4	106.6	95.0	100.6	113.1	104.8	105.5	103.9	103.7	106.0
Percentage change, latest year on previous year											
	L3E4	K18L	L3EG	L3EU	L3F2	L3F7	L3FW	L3FY	L3G2	L3GT	L3E2
2016	4.2	2.8	1.5	3.8	2.0	2.8	-1.9	-0.8	1.6	-2.3	2.0
2017	2.5	3.6	2.4	-0.9	-1.0	4.3	0.8	1.2	1.0	2.1	1.7
2018	3.2	3.8	2.5	-1.1	0.6	4.5	0.9	0.7	0.4	1.1	2.0
2019	2.9	4.3	2.0	-3.0	0.6	2.6	2.1	2.7	1.8	-0.6	1.8
Percentage change, latest quarter on previous quarter											
2016 Q3	0.3	1.9	0.3	3.9	0.1	0.8	-0.2	-0.2	0.2	0.2	0.8
Q4	2.0	0.7	0.6	-1.1	0.8	1.3	0.2	0.5	0.4	-0.6	0.7
2017 Q1	-0.1	0.2	1.5	-1.1	-1.3	1.4	0.5	1.4	0.6	1.4	0.2
Q2	0.5	1.6	0.4	-0.3	-0.4	0.1	0.7	-0.3	0.5	1.4	0.4
Q3	0.5	0.6	-0.2	-0.7	-0.1	1.8	-0.4	-	-0.4	0.1	0.3
Q4	0.3	1.0	-0.3	-0.8	0.3	1.5	0.2	-0.2	-0.4	-0.2	0.4
2018 Q1	0.3	-0.1	0.7	1.1	0.4	0.9	-0.1	0.1	0.6	0.2	0.4
Q2	1.9	1.4	1.7	-0.6	0.2	0.9	0.4	0.6	-0.1	1.1	0.8
Q3	1.4	2.0	0.5	-1.0	-0.1	1.1	1.0	0.3	0.3	-0.2	0.7
Q4	0.2	1.2	1.5	-0.8	0.1	1.2	-	0.8	0.5	0.1	0.5
2019 Q1	1.2	1.4	0.8	-1.6	0.2	-	1.1	0.9	0.5	-1.4	0.4
Q2	0.4	0.5	-0.4	-0.6	0.3	0.1	0.2	0.8	0.4	-0.4	0.2
Q3	0.3	0.7	-0.5	0.8	0.1	1.4	-0.1	0.3	0.8	1.7	0.6
Q4	-0.3	-0.4	-	-0.5	0.3	0.5	1.3	0.6	0.1	0.5	0.2
Percentage change, latest quarter on corresponding quarter of the previous year											
	L44S	K112	L456	L45K	L45Q	L45V	L46M	L46O	L46Q	L47J	L44Q
2016 Q3	3.6	3.1	1.4	9.5	1.1	2.0	-1.8	-1.6	0.7	-1.9	2.0
Q4	5.0	3.5	-0.1	3.4	1.5	3.1	-1.7	-1.5	0.7	-4.6	1.8
2017 Q1	2.9	3.1	2.6	1.5	-0.4	4.1	-0.2	0.9	1.2	1.1	1.8
Q2	2.7	4.6	2.9	1.3	-0.8	3.6	1.2	1.4	1.6	2.3	2.1
Q3	3.0	3.2	2.4	-3.2	-1.1	4.7	1.0	1.6	1.1	2.3	1.5
Q4	1.2	3.5	1.5	-2.9	-1.5	4.9	1.1	0.9	0.3	2.7	1.2
2018 Q1	1.7	3.2	0.7	-0.7	0.2	4.4	0.4	-0.4	0.3	1.5	1.4
Q2	3.2	3.0	2.0	-1.0	0.8	5.2	0.2	0.4	-0.3	1.2	1.9
Q3	4.0	4.5	2.7	-1.3	0.8	4.4	1.6	0.8	0.4	0.8	2.2
Q4	3.9	4.7	4.5	-1.3	0.6	4.1	1.3	1.7	1.4	1.1	2.4
2019 Q1	4.8	6.2	4.6	-3.9	0.4	3.2	2.5	2.5	1.2	-0.5	2.3
Q2	3.2	5.2	2.4	-4.0	0.5	2.4	2.3	2.8	1.7	-2.0	1.8
Q3	2.1	3.8	1.3	-2.3	0.7	2.7	1.1	2.8	2.3	-0.1	1.7
Q4	1.6	2.2	-0.2	-1.9	0.9	2.0	2.5	2.7	1.8	0.3	1.4

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

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

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

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

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

Reference year 2016, £ 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	Changes in inventories ⁴	Of which alignment	Acquisitions less disposals of valuables ⁵	Total	Total exports	Gross final expenditure	less imports	Total balance ⁶	GIXS			ABMI
2016	1 252 934	46 117	381 522	343 690	195 973	3 580	DMUM 1	NPJR -48 2 027 800	YBIM 567 499 2	IKBK 595 299 599	ABMG 822 -32 323	IKBL -18 715	IKBM -23 715	4 895	2 060 494	
2017	1 281 722	46 042	382 508	349 306	201 708	-8 974	-	1 149 2 051	749 602 123	2 653 872 620	838 -18 715	-18 715	200	2 033 234		
2018	1 302 614	46 133	384 153	348 521	198 681	-5 494	-	3 390 2 079	314 609 510	2 688 824 633	225 -23 715	4 895	2 060 494			
2019	1 317 534	45 769	397 708	350 484	199 862	-1 346	-	2 799 2 112	947 638 953	2 751 900 662	163 -23 210	-218	2 089 519			

Seasonally adjusted

2016 Q3	315 828	11 429	95 386	86 818	49 745	3 154	1 852	2 989	513 262	138 543	651 896 152 072	-13 529	1	499 836
	Q4	317 381	11 387	95 477	86 301	48 801	-113	-1 972	-1 326	509 638 147 009	656 565 153 493	-6 484	-	503 083
2017 Q1	318 897	11 466	95 419	86 336	49 910	-577	1 833	-636	510 905 147 656	658 561 152 474	-4 818	-104	505 983	
	Q2	319 788	11 519	95 460	87 551	50 490	-2 232	-1 937	42	512 127 151 190	663 317 155 962	-4 772	-100	507 255
	Q3	321 032	11 489	95 724	87 218	50 603	-2 784	-342	519	513 197 152 771	665 968 156 975	-4 204	-11	508 982
	Q4	322 005	11 568	95 905	88 201	50 705	-3 381	446	1 224	515 520 150 506	666 026 155 427	-4 921	415	511 014
2018 Q1	323 391	11 600	95 497	87 169	50 275	-2 706	-713	538	515 488 151 022	666 510 155 850	-4 828	658	511 318	
	Q2	325 297	11 501	95 430	86 964	49 859	-957	1 560	1 099	519 334 150 647	669 981 156 751	-6 104	781	514 011
	Q3	326 716	11 513	95 991	87 245	49 411	-2 985	-1 997	1 081	519 560 154 133	673 693 158 013	-3 880	1 349	517 029
	Q4	327 210	11 519	97 235	87 143	49 136	1 154	1 150	672	524 932 153 708	678 640 162 611	-8 903	2 107	518 136
2019 Q1	327 689	11 532	98 267	88 039	49 654	6 457	1 973	10 668	542 652 156 493	699 145 177 752	-21 259	217	521 610	
	Q2	329 454	11 401	99 358	87 558	49 918	-14	504	893	528 650 151 080	679 730 158 800	-7 720	-151	520 779
	Q3	330 265	11 460	99 316	87 970	50 268	-4 628	104	219	524 601 161 621	686 222 162 481	-860	-229	523 513
	Q4	330 126	11 376	100 767	86 917	50 022	-3 161	-2 581	-8 981	517 044 169 759	686 803 163 130	6 629	-55	523 617

Percentage change, latest year on previous year

	KGZ5	KH26	KH21	KG7N	KG7M	KGX9	KH2U	KGW5	KH3N	IHYP
2016	3.8	-1.5	1.0	3.6	4.3	2.4	2.7	2.5	4.4	1.9
2017	2.3	-0.2	0.3	1.6	2.9	1.2	6.1	2.3	3.5	1.9
2018	1.6	0.2	0.4	-0.2	-1.5	1.3	1.2	1.3	2.0	1.3
2019	1.1	-0.8	3.5	0.6	0.6	1.6	4.8	2.3	4.6	1.4

Percentage change, latest quarter on previous quarter

	KGZ6	KH27	KH2J	KG7Q	KG7P	KGY2	KH2V	KGW6	KH3O	IHYQ
2016 Q3	1.2	-1.0	0.1	1.3	1.6	2.0	-2.5	1.0	3.0	0.5
	Q4	0.5	-0.4	0.1	-0.6	-1.9	-0.7	6.1	0.7	0.9
2017 Q1	0.5	0.7	-0.1	-	2.3	0.2	0.4	0.3	-0.7	0.6
	Q2	0.3	0.5	-	1.4	0.2	2.4	0.7	2.3	0.3
	Q3	0.4	-0.3	0.3	-0.4	0.2	0.2	1.0	0.4	0.6
	Q4	0.3	0.7	0.2	1.1	0.2	0.5	-1.5	-	-1.0
2018 Q1	0.4	0.3	-0.4	-1.2	-0.8	-	0.3	0.1	0.3	0.1
	Q2	0.6	-0.9	-0.1	-0.2	-0.8	0.7	-0.2	0.5	0.6
	Q3	0.4	0.1	0.6	0.3	-0.9	-	2.3	0.6	0.8
	Q4	0.2	0.1	1.3	-0.1	-0.6	1.0	-0.3	0.7	2.9
2019 Q1	0.1	0.1	1.1	1.0	1.1	3.4	1.8	3.0	9.3	0.7
	Q2	0.5	-1.1	1.1	-0.5	0.5	-2.6	-3.5	-2.8	-10.7
	Q3	0.2	0.5	-	0.5	0.7	-0.8	7.0	1.0	2.3
	Q4	-	-0.7	1.5	-1.2	-0.5	-1.4	5.0	0.1	0.4

Percentage change, latest quarter on corresponding quarter of previous year

	KGZ7	KH28	KH2K	KG7T	KG7S	KGY3	KH2W	KGW7	KH3P	IHYR
2016 Q3	3.8	-2.6	0.2	5.7	6.7	3.7	1.1	3.1	7.3	1.9
	Q4	4.7	-3.4	0.5	3.4	2.1	1.8	5.3	2.6	5.2
2017 Q1	3.7	-2.5	0.1	1.7	3.0	1.8	5.6	2.7	4.0	2.2
	Q2	2.5	-0.2	0.2	2.2	3.1	1.8	6.4	2.8	5.6
	Q3	1.6	0.5	0.4	0.5	1.7	-	10.3	2.2	3.2
	Q4	1.5	1.6	0.4	2.2	3.9	1.2	2.4	1.4	1.3
2018 Q1	1.4	1.2	0.1	1.0	0.7	0.9	2.3	1.2	2.2	1.1
	Q2	1.7	-0.2	-	-0.7	-1.2	1.4	-0.4	1.0	0.5
	Q3	1.8	0.2	0.3	-	-2.4	1.2	0.9	1.2	0.7
	Q4	1.6	-0.4	1.4	-1.2	-3.1	1.8	2.1	1.9	4.6
2019 Q1	1.3	-0.6	2.9	1.0	-1.2	5.3	3.6	4.9	14.1	2.0
	Q2	1.3	-0.9	4.1	0.7	0.1	1.8	0.3	1.5	1.3
	Q3	1.1	-0.5	3.5	0.8	1.7	1.0	4.9	1.9	2.8
	Q4	0.9	-1.2	3.6	-0.3	1.8	-1.5	10.4	1.2	0.3

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

2 Non-profit institutions serving households.

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

4 Quarterly alignment adjustment included in this series.

5 Acquisitions less disposals of valuables can be a volatile series due to the inclusion of non-monetary gold, but any volatility is likely to be GDP neutral as this is offset in UK trade figures. During quality assurance we identified an inconsistent use of deflator for estimates of non-monetary gold between valuables and trade. There is no impact on headline GDP. We will align these deflators at the next available opportunity.

6 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

	Compen- sation of employees		Gross operating surplus of corporations							Taxes on products & production less subsidies	Statistic- al discrepancy (income)	Gross domestic product at market prices	
	Wages and Salaries	Employers social contributions	Total	Private non-financial corporati- ons ²	Of which alignment adjustment	Financial corporati- ons	Public corporati- ons	Total ³	Other income ⁴				
2016	DTWL	DTWP	DTWM	CAER	DMUQ	NHCZ	CAEQ	CGBZ	CGBX	CGCB	CMVL	GIXQ	YBHA
	802 669	165 055	967 724	353 011	–	56 652	17 986	427 649	356 317	1 751 690	243 788	–	1 995 478
2017	833 103	176 047	1 009 150	366 438	–	61 216	16 899	444 553	364 779	1 818 482	252 976	209	2 071 667
2018	873 469	180 235	1 053 704	379 791	–	57 903	11 075	448 769	380 611	1 883 084	259 705	1 515	2 144 304
2019	903 673	196 573	1 100 246	387 621	–	52 330	11 109	451 060	391 958	1 943 264	265 391	6 233	2 214 888

Seasonally adjusted

2016 Q3	202 242	41 990	244 232	86 370	-1 791	15 355	4 500	106 225	89 364	439 821	60 890	–	500 711
Q4	202 879	42 728	245 607	92 591	1 827	12 543	4 495	109 629	90 341	445 577	61 798	–	507 375
2017 Q1	203 787	43 667	247 454	94 290	126	15 040	4 424	113 754	90 479	451 687	61 738	33	513 458
Q2	207 471	44 043	251 514	89 203	-241	16 443	4 476	110 122	90 747	452 383	63 087	64	515 534
Q3	209 600	44 657	254 257	89 380	44	14 235	4 339	107 954	91 300	453 511	64 175	102	517 788
Q4	212 245	43 680	255 925	93 565	71	15 498	3 660	112 723	92 253	460 901	63 976	10	524 887
2018 Q1	215 613	43 267	258 880	95 395	1 960	15 342	2 813	113 550	93 255	465 685	62 499	405	528 589
Q2	216 493	44 473	260 966	93 195	-403	15 445	2 856	111 496	94 679	467 141	66 093	610	533 844
Q3	219 413	45 569	264 982	96 688	431	14 091	2 719	113 498	95 570	474 050	65 406	422	539 878
Q4	221 950	46 926	268 876	94 513	-1 988	13 025	2 687	110 225	97 107	476 208	65 707	78	541 993
2019 Q1	222 944	47 235	270 179	96 939	182	13 978	2 637	113 554	98 681	482 414	65 539	1 362	549 315
Q2	225 370	49 130	274 500	95 104	-1 740	12 555	2 726	110 385	97 968	482 853	66 666	1 615	551 134
Q3	226 913	50 088	277 001	98 544	752	12 930	2 813	114 287	97 290	488 578	66 632	1 684	556 894
Q4	228 446	50 120	278 566	97 034	806	12 867	2 933	112 834	98 019	489 419	66 554	1 572	557 545

Percentage change, latest year on previous year

	CWNH	CWNE	KGI3	KH59	KH5L	KH53	KH4V	KH6T	KH6N	KH65	IHYM
2016	3.7	6.3	4.1	2.5	13.0	2.6	3.8	4.5	4.1	4.0	4.1
2017	3.8	6.7	4.3	3.8	8.1	-6.0	4.0	2.4	3.8	3.8	3.8
2018	4.8	2.4	4.4	3.6	-5.4	-34.5	0.9	4.3	3.6	2.7	3.5
2019	3.5	9.1	4.4	2.1	-9.6	0.3	0.5	3.0	3.2	2.2	3.3

Percentage change, latest quarter on previous quarter

	CWNI	CWNF	KGI4	KH5A	KH5M	KH54	KH4W	KH6U	KH6O	KH66	IHYN
2016 Q3	1.0	2.0	1.2	-0.6	5.8	0.2	0.3	-0.1	0.7	–	0.6
Q4	0.3	1.8	0.6	7.2	-18.3	-0.1	3.2	1.1	1.3	1.5	1.3
2017 Q1	0.4	2.2	0.8	1.8	19.9	-1.6	3.8	0.2	1.4	-0.1	1.2
Q2	1.8	0.9	1.6	-5.4	9.3	1.2	-3.2	0.3	0.2	2.2	0.4
Q3	1.0	1.4	1.1	0.2	-13.4	-3.1	-2.0	0.6	0.2	1.7	0.4
Q4	1.3	-2.2	0.7	4.7	8.9	-15.6	4.4	1.0	1.6	-0.3	1.4
2018 Q1	1.6	-0.9	1.2	2.0	-1.0	-23.1	0.7	1.1	1.0	-2.3	0.7
Q2	0.4	2.8	0.8	-2.3	0.7	1.5	-1.8	1.5	0.3	5.8	1.0
Q3	1.3	2.5	1.5	3.7	-8.8	-4.8	1.8	0.9	1.5	-1.0	1.1
Q4	1.2	3.0	1.5	-2.2	-7.6	-1.2	-2.9	1.6	0.5	0.5	0.4
2019 Q1	0.4	0.7	0.5	2.6	7.3	-1.9	3.0	1.6	1.3	-0.3	1.4
Q2	1.1	4.0	1.6	-1.9	-10.2	3.4	-2.8	-0.7	0.1	1.7	0.3
Q3	0.7	1.9	0.9	3.6	3.0	3.2	3.5	-0.7	1.2	-0.1	1.0
Q4	0.7	0.1	0.6	-1.5	-0.5	4.3	-1.3	0.7	0.2	-0.1	0.1

Percentage change, latest quarter on corresponding quarter of previous year

	CWNJ	CWNG	KGI5	KH5B	KH5N	KH55	KH4X	KH6V	KH6P	KH67	IHYO
2016 Q3	4.5	9.0	5.2	-2.7	52.4	2.0	2.9	3.2	4.2	2.7	4.1
Q4	4.3	8.4	5.0	6.6	-4.7	2.2	5.0	4.6	4.9	4.1	4.8
2017 Q1	3.3	11.5	4.6	8.2	5.6	-1.7	7.4	3.8	5.1	2.6	4.8
Q2	3.6	7.0	4.2	2.7	13.3	-0.3	4.0	1.5	3.6	3.6	3.6
Q3	3.6	6.4	4.1	3.5	-7.3	-3.6	1.6	2.2	3.1	5.4	3.4
Q4	4.6	2.2	4.2	1.1	23.6	-18.6	2.8	2.1	3.4	3.5	3.5
2018 Q1	5.8	-0.9	4.6	1.2	2.0	-36.4	-0.2	3.1	3.1	1.2	2.9
Q2	4.3	1.0	3.8	4.5	-6.1	-36.2	1.2	4.3	3.3	4.8	3.6
Q3	4.7	2.0	4.2	8.2	-1.0	-37.3	5.1	4.7	4.5	1.9	4.3
Q4	4.6	7.4	5.1	1.0	-16.0	-26.6	-2.2	5.3	3.3	2.7	3.3
2019 Q1	3.4	9.2	4.4	1.6	-8.9	-6.3	–	5.8	3.6	4.9	3.9
Q2	4.1	10.5	5.2	2.0	-18.7	-4.6	-1.0	3.5	3.4	0.9	3.2
Q3	3.4	9.9	4.5	1.9	-8.2	3.5	0.7	1.8	3.1	1.9	3.2
Q4	2.9	6.8	3.6	2.7	-1.2	9.2	2.4	0.9	2.8	1.3	2.9

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.

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

£ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Goods							
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
	ABJQ	ABTF	ZAKV	UTIF	UTIB	UTIR	UTIJ	UTIN
2016	1 252 934	13 923	1 239 011	497 251	119 915	125 648	251 688	741 760
2017	1 300 305	13 958	1 286 347	521 294	123 088	135 344	262 862	765 053
2018	1 356 650	15 862	1 340 788	547 777	128 348	140 199	279 230	793 011
2019	1 389 932	17 596	1 372 336	567 560	133 659	149 568	284 333	804 776
Seasonally adjusted								
2016 Q3	316 633	4 935	311 698	124 134	30 030	31 194	62 910	187 564
Q4	317 723	2 895	314 828	126 464	30 022	32 086	64 356	188 364
2017 Q1	322 444	3 704	318 740	128 370	30 457	33 263	64 650	190 370
Q2	323 934	3 096	320 838	129 378	30 337	33 719	65 322	191 460
Q3	325 010	3 302	321 708	130 759	31 148	33 947	65 664	190 949
Q4	328 917	3 856	325 061	132 787	31 146	34 415	67 226	192 274
2018 Q1	334 485	3 336	331 149	135 562	31 878	34 459	69 225	195 587
Q2	337 844	3 960	333 884	136 060	32 099	34 767	69 194	197 824
Q3	341 414	4 629	336 785	137 410	31 757	35 348	70 305	199 375
Q4	342 907	3 937	338 970	138 745	32 614	35 625	70 506	200 225
2019 Q1	344 419	4 226	340 193	139 662	33 064	36 635	69 963	200 531
Q2	346 710	4 738	341 972	142 236	33 521	37 183	71 532	199 736
Q3	349 660	4 916	344 744	142 806	33 620	37 789	71 397	201 938
Q4	349 143	3 716	345 427	142 856	33 454	37 961	71 441	202 571
Percentage change, latest year on previous year								
	KG Y7		KG 6U	KHC9	KHB5	KHH5	KHE5	KHF9
2016	5.4		4.9	4.2	7.8	4.0	2.7	5.4
2017	3.8		3.8	4.8	2.6	7.7	4.4	3.1
2018	4.3		4.2	5.1	4.3	3.6	6.2	3.7
2019	2.5		2.4	3.6	4.1	6.7	1.8	1.5
Percentage change, latest quarter on previous quarter								
	KG Y8		KG 74	KHD2	KHB6	KHH6	KHE6	KHG2
2016 Q3	1.4		1.0	0.1	0.1	-0.1	0.1	1.7
Q4	0.3		1.0	1.9	-	2.9	2.3	0.4
2017 Q1	1.5		1.2	1.5	1.4	3.7	0.5	1.1
Q2	0.5		0.7	0.8	-0.4	1.4	1.0	0.6
Q3	0.3		0.3	1.1	2.7	0.7	0.5	-0.3
Q4	1.2		1.0	1.6	-	1.4	2.4	0.7
2018 Q1	1.7		1.9	2.1	2.4	0.1	3.0	1.7
Q2	1.0		0.8	0.4	0.7	0.9	-	1.1
Q3	1.1		0.9	1.0	-1.1	1.7	1.6	0.8
Q4	0.4		0.6	1.0	2.7	0.8	0.3	0.4
2019 Q1	0.4		0.4	0.7	1.4	2.8	-0.8	0.2
Q2	0.7		0.5	1.8	1.4	1.5	2.2	-0.4
Q3	0.9		0.8	0.4	0.3	1.6	-0.2	1.1
Q4	-0.1		0.2	-	-0.5	0.5	0.1	0.3
Percentage change, latest quarter on corresponding quarter of previous year								
	KG Y9		KG 7C	KHD3	KHB7	KHH7	KHE7	KHG3
2016 Q3	5.8		4.9	2.9	6.0	2.1	1.8	6.3
Q4	5.2		5.0	4.9	4.0	3.2	6.2	5.0
2017 Q1	5.2		4.9	4.7	2.0	6.8	5.0	5.0
Q2	3.8		4.0	4.3	1.1	8.0	4.0	3.8
Q3	2.6		3.2	5.3	3.7	8.8	4.4	1.8
Q4	3.5		3.3	5.0	3.7	7.3	4.5	2.1
2018 Q1	3.7		3.9	5.6	4.7	3.6	7.1	2.7
Q2	4.3		4.1	5.2	5.8	3.1	5.9	3.3
Q3	5.0		4.7	5.1	2.0	4.1	7.1	4.4
Q4	4.3		4.3	4.5	4.7	3.5	4.9	4.1
2019 Q1	3.0		2.7	3.0	3.7	6.3	1.1	2.5
Q2	2.6		2.4	4.5	4.4	6.9	3.4	1.0
Q3	2.4		2.4	3.9	5.9	6.9	1.6	1.3
Q4	1.8		1.9	3.0	2.6	6.6	1.3	1.2

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

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

Reference year 2016, £ million

UK NATIONAL ²								
UK DOMESTIC ³								
COICOP ¹	Goods							
	Total	Net tourism	Total	Total	Durable goods	Semi- durable goods	Non- durable goods	Services
					D	SD	ND	S
	ABJR	ABTH	ZAKW	UTIH	UTID	UTIT	UTIL	UTIP
2016	1 252 934	13 923	1 239 011	497 251	119 915	125 648	251 688	741 760
2017	1 281 722	13 958	1 267 764	508 679	120 290	132 981	255 408	759 085
2018	1 302 614	14 620	1 287 994	520 853	122 959	135 539	262 355	767 141
2019	1 317 534	15 732	1 301 802	533 061	126 020	144 639	262 402	768 741
Seasonally adjusted								
2016 Q3	315 828	3 695	312 125	124 829	30 193	31 231	63 399	187 315
Q4	317 381	3 531	313 878	126 906	30 302	32 341	64 260	186 957
2017 Q1	318 897	3 511	315 386	126 699	30 298	33 363	63 038	188 687
Q2	319 788	3 185	316 603	126 565	29 529	33 159	63 877	190 038
Q3	321 032	3 443	317 589	127 426	30 416	33 071	63 939	190 163
Q4	322 005	3 819	318 186	127 989	30 047	33 388	64 554	190 197
2018 Q1	323 391	3 023	320 368	129 703	30 780	33 368	65 555	190 665
Q2	325 297	3 731	321 566	129 936	30 833	33 618	65 485	191 630
Q3	326 716	4 219	322 497	130 329	30 432	34 184	65 713	192 168
Q4	327 210	3 647	323 563	130 885	30 914	34 369	65 602	192 678
2019 Q1	327 689	3 768	323 921	131 719	31 040	35 386	65 293	192 202
Q2	329 454	4 475	324 979	133 400	31 591	36 030	65 779	191 579
Q3	330 265	4 010	326 255	133 708	31 686	36 502	65 520	192 547
Q4	330 126	3 479	326 647	134 234	31 703	36 721	65 810	192 413
Percentage change, latest year on previous year								
	KGZ5		KG7O	KHD7	KHC3	KHI3	KHF3	KHG7
2016	3.8		3.8	4.8	7.6	3.8	4.0	3.1
2017	2.3		2.3	2.3	0.3	5.8	1.5	2.3
2018	1.6		1.6	2.4	2.2	1.9	2.7	1.1
2019	1.1		1.1	2.3	2.5	6.7	-	0.2
Percentage change, latest quarter on previous quarter								
	KGZ6		KG7R	KHD8	KHC4	KHI4	KHF4	KHG8
2016 Q3	1.2		1.2	1.0	1.3	0.3	1.2	1.3
Q4	0.5		0.6	1.7	0.4	3.6	1.4	-0.2
2017 Q1	0.5		0.5	-0.2	-	3.2	-1.9	0.9
Q2	0.3		0.4	-0.1	-2.5	-0.6	1.3	0.7
Q3	0.4		0.3	0.7	3.0	-0.3	0.1	0.1
Q4	0.3		0.2	0.4	-1.2	1.0	1.0	-
2018 Q1	0.4		0.7	1.3	2.4	-0.1	1.6	0.2
Q2	0.6		0.4	0.2	0.2	0.7	-0.1	0.5
Q3	0.4		0.3	0.3	-1.3	1.7	0.3	0.3
Q4	0.2		0.3	0.4	1.6	0.5	-0.2	0.3
2019 Q1	0.1		0.1	0.6	0.4	3.0	-0.5	-0.2
Q2	0.5		0.3	1.3	1.8	1.8	0.7	-0.3
Q3	0.2		0.4	0.2	0.3	1.3	-0.4	0.5
Q4	-		0.1	0.4	0.1	0.6	0.4	-0.1
Percentage change, latest quarter on corresponding quarter of previous year								
	KGZ7		KG7U	KHD9	KHC5	KHI5	KHF5	KHG9
2016 Q3	3.8		3.8	4.2	6.8	2.0	4.0	3.6
Q4	4.7		4.6	6.2	6.3	4.2	7.2	3.5
2017 Q1	3.7		3.6	3.9	2.3	7.8	2.7	3.3
Q2	2.5		2.6	2.4	-1.0	6.5	1.9	2.8
Q3	1.6		1.8	2.1	0.7	5.9	0.9	1.5
Q4	1.5		1.4	0.9	-0.8	3.2	0.5	1.7
2018 Q1	1.4		1.6	2.4	1.6	-	4.0	1.0
Q2	1.7		1.6	2.7	4.4	1.4	2.5	0.8
Q3	1.8		1.5	2.3	0.1	3.4	2.8	1.1
Q4	1.6		1.7	2.3	2.9	2.9	1.6	1.3
2019 Q1	1.3		1.1	1.6	0.8	6.0	-0.4	0.8
Q2	1.3		1.1	2.7	2.5	7.2	0.4	-
Q3	1.1		1.2	2.6	4.1	6.8	-0.3	0.2
Q4	0.9		1.0	2.6	2.6	6.8	0.3	-0.1

1 ESA 10 Classification of Individual Consumption by Purpose.

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

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

F1 Gross fixed capital formation by sector and type of asset

Current prices

£ million

	Analysis by sector							Analysis by asset						Total
	Public corporations ²			Private Sector				Transport equipment	ICT equipment and other machinery and equipment ³	Dwellings ⁴	Other buildings and structures ⁵	Intellectual Property Products		
	Business investment ¹	General government	Dwellings ⁴	Costs of transfer of ownership of non-pro- duced assets	Dwellings ⁴	Costs of transfer of ownership of non-pro- duced assets	Total							
	NPEK	RPZG	L62R	L62S	L62T	L62U	NPQS	TLPX	TLPW	GGAE	EQED	TLPK	NPQS	
2016	195 973	52 418	8 362	725	60 904	25 316	343 694	24 623	56 102	69 319	120 018	73 630	343 694	
2017	204 945	55 290	8 464	773	69 191	18 417	357 080	22 064	66 328	77 655	117 290	73 743	357 080	
2018	204 701	57 144	4 567	759	77 449	18 019	362 639	17 731	64 476	82 018	118 831	79 583	362 639	
2019	211 550	62 170	4 609	757	80 595	17 980	377 661	18 000	63 329	85 204	128 914	82 214	377 661	
Seasonally adjusted														
2016 Q3	49 931	13 679	2 086	169	15 312	6 074	87 250	7 068	14 089	17 401	30 255	18 437	87 250	
Q4	49 436	13 375	2 135	179	15 633	6 345	87 102	5 395	14 086	17 768	31 326	18 527	87 102	
2017 Q1	50 752	13 429	2 187	168	16 591	4 647	87 774	5 523	16 102	18 777	29 266	18 106	87 774	
Q2	51 268	13 910	2 285	218	16 850	4 594	89 125	5 852	16 985	19 135	28 896	18 257	89 125	
Q3	51 562	13 790	2 195	196	17 317	4 626	89 686	5 696	16 356	19 512	29 619	18 503	89 686	
Q4	51 363	14 161	1 797	191	18 433	4 550	90 495	4 993	16 885	20 231	29 509	18 877	90 495	
2018 Q1	51 512	13 643	1 234	175	18 595	4 542	89 701	5 104	16 237	19 830	29 000	19 530	89 701	
Q2	51 352	14 007	1 181	206	19 401	4 477	90 624	4 534	16 383	20 581	29 081	20 045	90 624	
Q3	50 979	14 539	1 069	191	19 725	4 506	91 009	3 971	15 981	20 796	30 161	20 100	91 009	
Q4	50 858	14 955	1 083	187	19 728	4 494	91 305	4 122	15 875	20 811	30 589	19 908	91 305	
2019 Q1	51 914	15 818	1 121	177	19 988	4 486	93 504	3 788	16 294	21 110	32 046	20 266	93 504	
Q2	52 902	15 048	1 141	197	20 104	4 441	93 833	4 981	14 954	21 245	32 229	20 424	93 833	
Q3	53 343	15 715	1 135	193	20 389	4 497	95 272	4 658	16 403	21 523	31 919	20 769	95 272	
Q4	53 391	15 589	1 212	190	20 114	4 556	95 052	4 573	15 678	21 326	32 720	20 755	95 052	
Percentage change, latest year on previous year														
	KG6N	KH7N	L64E	L64H	L64K	L64N	KG6O	KG6T	KG6S	KH7X	KH7W	KG6R	KG6O	
2016	6.8	2.5	2.9	5.7	4.9	10.1	5.9	21.9	8.0	4.7	3.5	4.7	5.9	
2017	4.6	5.5	1.2	6.6	13.6	-27.3	3.9	-10.4	18.2	12.0	-2.3	0.2	3.9	
2018	-0.1	3.4	-46.0	-1.8	11.9	-2.2	1.6	-19.6	-2.8	5.6	1.3	7.9	1.6	
2019	3.3	8.8	0.9	-0.3	4.1	-0.2	4.1	1.5	-1.8	3.9	8.5	3.3	4.1	
Percentage change, latest quarter on previous quarter														
	KG6V	KH7P	L64F	L64I	L64L	L64O	KG6W	KG73	KG72	KH83	KH82	KG6Z	KG6W	
2016 Q3	2.4	3.4	-1.3	-23.5	2.0	-0.7	2.1	18.9	-0.4	1.6	1.4	0.2	2.1	
Q4	-1.0	-2.2	2.3	5.9	2.1	4.5	-0.2	-23.7	-	2.1	3.5	0.5	-0.2	
2017 Q1	2.7	0.4	2.4	-6.1	6.1	-26.8	0.8	2.4	14.3	5.7	-6.6	-2.3	0.8	
Q2	1.0	3.6	4.5	29.8	1.6	-1.1	1.5	6.0	5.5	1.9	-1.3	0.8	1.5	
Q3	0.6	-0.9	-3.9	-10.1	2.8	0.7	0.6	-2.7	-3.7	2.0	2.5	1.3	0.6	
Q4	-0.4	2.7	-18.1	-2.6	6.4	-1.6	0.9	-12.3	3.2	3.7	-0.4	2.0	0.9	
2018 Q1	0.3	-3.7	-31.3	-8.4	0.9	-0.2	-0.9	2.2	-3.8	-2.0	-1.7	3.5	-0.9	
Q2	-0.3	2.7	-4.3	17.7	4.3	-1.4	1.0	-11.2	0.9	3.8	0.3	2.6	1.0	
Q3	-0.7	3.8	-9.5	-7.3	1.7	0.6	0.4	-12.4	-2.5	1.0	3.7	0.3	0.4	
Q4	-0.2	2.9	1.3	-2.1	-	-0.3	0.3	3.8	-0.7	0.1	1.4	-1.0	0.3	
2019 Q1	2.1	5.8	3.5	-5.3	1.3	-0.2	2.4	-8.1	2.6	1.4	4.8	1.8	2.4	
Q2	1.9	-4.9	1.8	11.3	0.6	-1.0	0.4	31.5	-8.2	0.6	0.6	0.8	0.4	
Q3	0.8	4.4	-0.5	-2.0	1.4	1.3	1.5	-6.5	9.7	1.3	-1.0	1.7	1.5	
Q4	0.1	-0.8	6.8	-1.6	-1.3	1.3	-0.2	-1.8	-4.4	-0.9	2.5	-0.1	-0.2	
Percentage change, latest quarter on corresponding quarter of previous year														
	KG75	KH7R	L64G	L64J	L64M	L64P	KG76	KG7B	KG7A	KH87	KH86	KG79	KG76	
2016 Q3	9.5	11.1	3.3	-4.0	4.3	3.0	8.2	79.8	9.5	4.2	2.5	4.3	8.2	
Q4	5.1	9.0	7.9	2.3	5.8	3.2	5.7	-1.4	2.8	6.0	8.9	4.8	5.7	
2017 Q1	6.1	10.6	7.8	7.7	11.0	-31.5	4.6	-11.1	16.9	10.3	2.3	-0.9	4.6	
Q2	5.1	5.2	8.1	-1.4	12.2	-24.9	4.3	-1.6	20.0	11.7	-3.2	-0.7	4.3	
Q3	3.3	0.8	5.2	16.0	13.1	-23.8	2.8	-19.4	16.1	12.1	-2.1	0.4	2.8	
Q4	3.9	5.9	-15.8	6.7	17.9	-28.3	3.9	-7.5	19.9	13.9	-5.8	1.9	3.9	
2018 Q1	1.5	1.6	-43.6	4.2	12.1	-2.3	2.2	-7.6	0.8	5.6	-0.9	7.9	2.2	
Q2	0.2	0.7	-48.3	-5.5	15.1	-2.5	1.7	-22.5	-3.5	7.6	0.6	9.8	1.7	
Q3	-1.1	5.4	-51.3	-2.6	13.9	-2.6	1.5	-30.3	-2.3	6.6	1.8	8.6	1.5	
Q4	-1.0	5.6	-39.7	-2.1	7.0	-1.2	0.9	-17.4	-6.0	2.9	3.7	5.5	0.9	
2019 Q1	0.8	15.9	-9.2	1.1	7.5	-1.2	4.2	-25.8	0.4	6.5	10.5	3.8	4.2	
Q2	3.0	7.4	-3.4	-4.4	3.6	-0.8	3.5	9.9	-8.7	3.2	10.8	1.9	3.5	
Q3	4.6	8.1	6.2	1.0	3.4	-0.2	4.7	17.3	2.6	3.5	5.8	3.3	4.7	
Q4	5.0	4.2	11.9	1.6	2.0	1.4	4.1	10.9	-1.2	2.5	7.0	4.3	4.1	

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

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

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

4 Includes new dwellings and improvements to dwellings.

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

G1 Changes in inventories at current prices ¹

£ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades			Changes in inventories ³
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²	Other industries ³	
Level of inventories held at end-December 2016	1 141	23 508	21 445	23 190	68 143	2 725	38 742	38 704	62 025	211 480
	FAHS	FAGF	FADY	FALR	NZTP	FAGI	FBHE	FAHA	CWVD	CAEX
2016	-2 302	926	1 840	112	2 878	80	-485	1 281	2 128	3 580
2017	-427	77	-1 864	850	-937	-79	5 771	-1 135	1 534	4 727
2018	-400	-411	3 197	-727	2 059	-449	3 613	-1 893	202	3 132
2019	146	4 998	-12	-291	4 695	-34	1 185	1 622	-226	7 388
Seasonally adjusted										
2016 Q3	-393	1 485	76	-722	839	1 232	-429	73	-503	819
Q4	-682	105	1 509	-524	1 090	1 370	525	1 116	-768	2 651
2017 Q1	-35	922	-1 318	-649	-1 045	47	1 451	-967	3 697	3 148
Q2	356	-567	970	314	717	-82	2 208	-186	-2 432	581
Q3	-7	-417	846	766	1 195	-17	226	-88	-1 043	266
Q4	-741	139	-2 362	419	-1 804	-27	1 886	106	1 312	732
2018 Q1	-269	-37	-77	-164	-278	-466	1 778	188	-1 736	-783
Q2	-134	-596	2 084	-346	1 142	60	-1 154	-1 036	1 121	-1
Q3	-187	-33	296	-6	257	-227	2 035	-484	-1 471	-77
Q4	190	255	894	-211	938	184	954	-561	2 288	3 993
2019 Q1	213	2 126	371	1 257	3 754	-111	1 037	645	2 929	8 467
Q2	-214	2 606	-996	-1 980	-370	80	349	605	1 936	2 386
Q3	143	289	-314	-828	-853	163	189	92	-1 685	-1 951
Q4	4	-23	927	1 260	2 164	-166	-390	280	-3 406	-1 514

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

² Wholesaling and retailing estimates exclude the motor trades.

³ Quarterly alignment adjustment included in this series.

G2 Changes in inventories at chained volume measures¹

Reference year 2016, £ million

	Mining and quarrying	Manufacturing industries				Electricity, gas and water supply	Distributive trades			Changes in inventories ³
		Materials and fuel	Work in progress	Finished goods	Total		Wholesale ²	Retail ²	Other industries ³	
Level of inventories held at end-December 2016	1 141	23 508	21 445	23 190	68 143	2 725	38 742	38 704	62 025	211 480
	FAEA	FBNF	FBNG	FBNH	DHBM	FAEB	FAJX	FBYN	DLWX	CAFU
2016	-2 302	926	1 840	112	2 878	80	-485	1 281	2 128	3 580
2017	-1 441	-485	-3 076	393	-3 168	-435	3 883	-3 735	-4 081	-8 974
2018	-499	-908	3 250	-1 530	812	-644	1 740	-3 135	-3 770	-5 494
2019	147	4 708	-552	-307	3 849	-53	711	1 037	-7 037	-1 346
Seasonally adjusted										
2016 Q3	-809	1 508	-91	-53	1 721	16	-141	158	2 159	3 154
Q4	-168	-196	1 806	-101	1 571	193	-330	540	-902	-113
2017 Q1	-606	941	-1 894	-494	-1 447	-152	684	-1 344	2 288	-577
Q2	548	-815	537	120	-158	28	2 062	-557	-4 156	-2 232
Q3	-283	-554	843	372	661	-151	52	-689	-2 375	-2 784
Q4	-1 100	-57	-2 562	395	-2 224	-160	1 085	-1 145	162	-3 381
2018 Q1	-64	-44	-314	1	-357	-366	1 151	124	-3 195	-2 706
Q2	-336	-410	2 320	-661	1 249	-45	-1 280	-1 115	570	-957
Q3	-305	-84	170	-441	-355	-342	1 525	-688	-2 821	-2 985
Q4	206	-370	1 074	-429	275	109	344	-1 456	1 676	1 154
2019 Q1	245	1 731	206	1 354	3 291	2	1 179	520	1 220	6 457
Q2	-254	2 224	-1 197	-1 886	-859	-21	-367	212	1 275	-14
Q3	71	360	-492	-1 101	-1 233	80	-143	-125	-3 278	-4 628
Q4	85	393	931	1 326	2 650	-114	42	430	-6 254	-3 161

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

2 Wholesaling and retailing estimates exclude the motor trades.

3 Quarterly alignment adjustment included in this series.

H1 Exports and imports of goods and services

Current market prices

£ million

	Exports			Imports			Balance		
	Goods	Services	Total	Goods	Services	Total	Goods	Services	Total ¹
	BOKG	IKBB	IKBH	BOKH	IKBC	IKBI	BOKI	IKBD	IKBJ
2016	297 922	269 577	567 499	432 101	167 721	599 822	-134 179	101 856	-32 323
2017	337 466	291 619	629 085	473 361	180 851	654 212	-135 895	110 768	-25 127
2018	349 608	306 870	656 478	488 973	197 292	686 265	-139 365	109 578	-29 787
2019	372 472	326 154	698 626	502 191	222 330	724 521	-129 719	103 824	-25 895
Seasonally adjusted									
2016 Q3	73 570	67 690	141 260	112 322	42 724	155 046	-38 752	24 966	-13 786
Q4	80 753	72 094	152 847	113 736	44 802	158 538	-32 983	27 292	-5 691
2017 Q1	82 138	71 279	153 417	116 161	44 684	160 845	-34 023	26 595	-7 428
Q2	84 864	72 791	157 655	118 181	45 292	163 473	-33 317	27 499	-5 818
Q3	84 557	74 467	159 024	119 272	45 684	164 956	-34 715	28 783	-5 932
Q4	85 907	73 082	158 989	119 747	45 191	164 938	-33 840	27 891	-5 949
2018 Q1	84 870	74 423	159 293	117 637	47 516	165 153	-32 767	26 907	-5 860
Q2	87 338	75 079	162 417	121 225	48 107	169 332	-33 887	26 972	-6 915
Q3	89 343	77 267	166 610	123 817	49 044	172 861	-34 474	28 223	-6 251
Q4	88 057	80 101	168 158	126 294	52 625	178 919	-38 237	27 476	-10 761
2019 Q1	90 246	79 159	169 405	139 614	51 857	191 471	-49 368	27 302	-22 066
Q2	85 355	79 928	165 283	120 263	53 608	173 871	-34 908	26 320	-8 588
Q3	94 083	83 264	177 347	123 973	56 584	180 557	-29 890	26 680	-3 210
Q4	102 788	83 803	186 591	118 341	60 281	178 622	-15 553	23 522	7 969
Percentage change, latest year on previous year									
	KG9K	KH35	KH2O	KG9L	KH3W	KH3H			
2016	4.2	10.4	7.1	7.0	9.7	7.8			
2017	13.3	8.2	10.9	9.5	7.8	9.1			
2018	3.6	5.2	4.4	3.3	9.1	4.9			
2019	6.5	6.3	6.4	2.7	12.7	5.6			
Percentage change, latest quarter on previous quarter									
	KG9O	KH36	KH2P	KG9P	KH3X	KH3I			
2016 Q3	-0.7	3.4	1.2	7.4	5.4	6.8			
Q4	9.8	6.5	8.2	1.3	4.9	2.3			
2017 Q1	1.7	-1.1	0.4	2.1	-0.3	1.5			
Q2	3.3	2.1	2.8	1.7	1.4	1.6			
Q3	-0.4	2.3	0.9	0.9	0.9	0.9			
Q4	1.6	-1.9	-	0.4	-1.1	-			
2018 Q1	-1.2	1.8	0.2	-1.8	5.1	0.1			
Q2	2.9	0.9	2.0	3.1	1.2	2.5			
Q3	2.3	2.9	2.6	2.1	1.9	2.1			
Q4	-1.4	3.7	0.9	2.0	7.3	3.5			
2019 Q1	2.5	-1.2	0.7	10.5	-1.5	7.0			
Q2	-5.4	1.0	-2.4	-13.9	3.4	-9.2			
Q3	10.2	4.2	7.3	3.1	5.6	3.8			
Q4	9.3	0.6	5.2	-4.5	6.5	-1.1			
Percentage change, latest quarter on corresponding quarter of previous year									
	KG9S	KH37	KH2Q	KG9T	KH3Y	KH3J			
2016 Q3	4.8	14.5	9.2	14.4	12.4	13.8			
Q4	14.7	13.5	14.1	13.5	14.4	13.7			
2017 Q1	18.2	10.8	14.6	14.5	12.7	14.0			
Q2	14.5	11.2	13.0	13.0	11.7	12.6			
Q3	14.9	10.0	12.6	6.2	6.9	6.4			
Q4	6.4	1.4	4.0	5.3	0.9	4.0			
2018 Q1	3.3	4.4	3.8	1.3	6.3	2.7			
Q2	2.9	3.1	3.0	2.6	6.2	3.6			
Q3	5.7	3.8	4.8	3.8	7.4	4.8			
Q4	2.5	9.6	5.8	5.5	16.5	8.5			
2019 Q1	6.3	6.4	6.3	18.7	9.1	15.9			
Q2	-2.3	6.5	1.8	-0.8	11.4	2.7			
Q3	5.3	7.8	6.4	0.1	15.4	4.5			
Q4	16.7	4.6	11.0	-6.3	14.5	-0.2			

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 2016, £ million

	Exports			Imports			Balance
	Goods	Services	Total	Goods	Services	Total	Total ¹
	BQKQ	IKBE	IKBK	BQKO	IKBF	IKBL	IKBM
2016	297 922	269 577	567 499	432 101	167 721	599 822	-32 323
2017	316 737	285 386	602 123	444 634	176 204	620 838	-18 715
2018	316 184	293 326	609 510	444 935	188 290	633 225	-23 715
2019	331 840	307 113	638 953	454 161	208 002	662 163	-23 210
Seasonally adjusted							
2016 Q3	72 200	66 322	138 543	110 408	41 641	152 072	-13 529
Q4	76 097	70 876	147 009	109 733	43 747	153 493	-6 484
2017 Q1	76 982	70 674	147 656	109 435	43 039	152 474	-4 818
Q2	80 051	71 139	151 190	111 732	44 230	155 962	-4 772
Q3	79 982	72 789	152 771	112 254	44 721	156 975	-4 204
Q4	79 722	70 784	150 506	111 213	44 214	155 427	-4 921
2018 Q1	79 251	71 771	151 022	109 736	46 114	155 850	-4 828
Q2	78 772	71 875	150 647	110 717	46 034	156 751	-6 104
Q3	80 293	73 840	154 133	111 472	46 541	158 013	-3 880
Q4	77 868	75 840	153 708	113 010	49 601	162 611	-8 903
2019 Q1	81 020	75 473	156 493	129 471	48 281	177 752	-21 259
Q2	75 638	75 442	151 080	108 653	50 147	158 800	-7 720
Q3	83 340	78 281	161 621	109 497	52 984	162 481	-860
Q4	91 842	77 917	169 759	106 540	56 590	163 130	6 629
Percentage change, latest year on previous year							
	KG9X	KH3B	KH2U	KG9W	KH44	KH3N	
2016	-1.2	7.3	2.7	4.6	3.8	4.4	
2017	6.3	5.9	6.1	2.9	5.1	3.5	
2018	-0.2	2.8	1.2	0.1	6.9	2.0	
2019	5.0	4.7	4.8	2.1	10.5	4.6	
Percentage change, latest quarter on previous quarter							
	KGA2	KH3C	KH2V	KG9Z	KH45	KH3O	
2016 Q3	-4.3	-0.6	-2.5	3.8	0.8	3.0	
Q4	5.4	6.9	6.1	-0.6	5.1	0.9	
2017 Q1	1.2	-0.3	0.4	-0.3	-1.6	-0.7	
Q2	4.0	0.7	2.4	2.1	2.8	2.3	
Q3	-0.1	2.3	1.0	0.5	1.1	0.6	
Q4	-0.3	-2.8	-1.5	-0.9	-1.1	-1.0	
2018 Q1	-0.6	1.4	0.3	-1.3	4.3	0.3	
Q2	-0.6	0.1	-0.2	0.9	-0.2	0.6	
Q3	1.9	2.7	2.3	0.7	1.1	0.8	
Q4	-3.0	2.7	-0.3	1.4	6.6	2.9	
2019 Q1	4.0	-0.5	1.8	14.6	-2.7	9.3	
Q2	-6.6	-	-3.5	-16.1	3.9	-10.7	
Q3	10.2	3.8	7.0	0.8	5.7	2.3	
Q4	10.2	-0.5	5.0	-2.7	6.8	0.4	
Percentage change, latest quarter on corresponding quarter of previous year							
	KGA5	KH3D	KH2W	KGA4	KH46	KH3P	
2016 Q3	-4.2	7.5	1.1	9.0	2.9	7.3	
Q4	1.4	9.8	5.3	4.9	6.1	5.2	
2017 Q1	3.8	7.6	5.6	3.7	5.0	4.0	
Q2	6.1	6.6	6.4	5.0	7.0	5.6	
Q3	10.8	9.8	10.3	1.7	7.4	3.2	
Q4	4.8	-0.1	2.4	1.3	1.1	1.3	
2018 Q1	2.9	1.6	2.3	0.3	7.1	2.2	
Q2	-1.6	1.0	-0.4	-0.9	4.1	0.5	
Q3	0.4	1.4	0.9	-0.7	4.1	0.7	
Q4	-2.3	7.1	2.1	1.6	12.2	4.6	
2019 Q1	2.2	5.2	3.6	18.0	4.7	14.1	
Q2	-4.0	5.0	0.3	-1.9	8.9	1.3	
Q3	3.8	6.0	4.9	-1.8	13.8	2.8	
Q4	17.9	2.7	10.4	-5.7	14.1	0.3	

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 (2016 = 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
2016	1 778 133	1 778 133	1 778 134	-1	100.0	100.0	100.0	100.0	100.0
2017	1 813 229	1 846 693	1 846 694	-1	103.9	103.9	102.0	102.0	102.0
2018	1 832 207	1 907 477	1 911 067	-3 590	107.3	107.5	103.0	103.2	103.7
2019	1 863 287	1 977 574	1 971 109	6 465	111.2	110.9	104.8	104.4	105.1
Seasonally adjusted									
2016 Q3	445 449	446 573	446 574	-1	100.5	100.5	100.2	100.2	100.2
Q4	448 704	452 082	452 082	-	101.7	101.7	100.9	100.9	100.9
2017 Q1	451 405	457 806	457 668	138	103.0	103.0	101.5	101.5	101.5
Q2	452 532	460 056	459 891	165	103.5	103.5	101.8	101.8	101.8
Q3	453 971	461 067	460 954	113	103.7	103.7	102.1	102.1	102.1
Q4	455 321	467 764	468 181	-417	105.2	105.3	102.4	102.5	102.6
2018 Q1	455 283	471 951	472 227	-276	106.2	106.2	102.4	102.5	102.8
Q2	457 521	474 230	474 431	-201	106.7	106.7	102.9	103.0	103.4
Q3	459 609	480 138	481 125	-987	108.0	108.2	103.4	103.6	104.1
Q4	459 794	481 158	483 284	-2 126	108.2	108.7	103.4	103.9	104.4
2019 Q1	464 856	490 157	489 024	1 133	110.3	110.0	104.6	104.3	105.0
Q2	464 495	492 035	490 260	1 775	110.7	110.3	104.5	104.1	104.8
Q3	467 012	497 411	495 484	1 927	111.9	111.5	105.1	104.6	105.3
Q4	466 924	497 971	496 341	1 630	112.0	111.7	105.0	104.7	105.3
Percentage change, latest year on previous year									
	KH4D	KH47	KH68		KH47	KH68	KH4D	KH6E	GDPQ
2016	1.9	4.0	4.0		4.0	4.0	1.9	1.9	1.9
2017	2.0	3.9	3.9		3.9	3.9	2.0	2.0	2.0
2018	1.0	3.3	3.5		3.3	3.5	1.0	1.2	1.6
2019	1.7	3.7	3.1		3.7	3.1	1.7	1.2	1.4
Percentage change, latest quarter on previous quarter									
	KH4F	KH49	KH6A		KH49	KH6A	KH4F	KH6G	
2016 Q3	0.5	0.7	0.7		0.7	0.7	0.5	0.5	0.5
Q4	0.7	1.2	1.2		1.2	1.2	0.7	0.7	0.7
2017 Q1	0.6	1.3	1.2		1.3	1.2	0.6	0.6	0.6
Q2	0.2	0.5	0.5		0.5	0.5	0.2	0.2	0.3
Q3	0.3	0.2	0.2		0.2	0.2	0.3	0.3	0.4
Q4	0.3	1.5	1.6		1.5	1.6	0.3	0.4	0.5
2018 Q1	-	0.9	0.9		0.9	0.9	-	-	0.2
Q2	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.6
Q3	0.5	1.2	1.4		1.2	1.4	0.5	0.6	0.7
Q4	-	0.2	0.4		0.2	0.4	-	0.3	0.3
2019 Q1	1.1	1.9	1.2		1.9	1.2	1.1	0.4	0.5
Q2	-0.1	0.4	0.3		0.4	0.3	-0.1	-0.2	-0.2
Q3	0.5	1.1	1.1		1.1	1.1	0.5	0.5	0.5
Q4	-	0.1	0.2		0.1	0.2	-	-	-
Percentage change, latest quarter on corresponding quarter of previous year									
	KH4H	KH4B	KH6C		KH4B	KH6C	KH4H	KH6I	GDPR
2016 Q3	2.0	4.1	4.1		4.1	4.1	2.0	2.0	2.0
Q4	2.0	4.8	4.8		4.8	4.8	2.0	2.0	2.0
2017 Q1	2.4	5.0	5.0		5.0	5.0	2.4	2.3	2.3
Q2	2.1	3.7	3.7		3.7	3.7	2.1	2.1	2.1
Q3	1.9	3.2	3.2		3.2	3.2	1.9	1.9	1.9
Q4	1.5	3.5	3.6		3.5	3.6	1.5	1.6	1.7
2018 Q1	0.9	3.1	3.2		3.1	3.2	0.9	0.9	1.3
Q2	1.1	3.1	3.2		3.1	3.2	1.1	1.2	1.6
Q3	1.2	4.1	4.4		4.1	4.4	1.2	1.5	1.9
Q4	1.0	2.9	3.2		2.9	3.2	1.0	1.3	1.7
2019 Q1	2.1	3.9	3.6		3.9	3.6	2.1	1.8	2.1
Q2	1.5	3.8	3.3		3.8	3.3	1.5	1.1	1.3
Q3	1.6	3.6	3.0		3.6	3.0	1.6	1.0	1.2
Q4	1.6	3.5	2.7		3.5	2.7	1.6	0.8	0.9

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 adjustments¹

£ million

	Changes in inventories		Gross operating surplus of non-financial corporations at current prices
	At current prices	Chained volume measures (Reference year 2016)	
Seasonally adjusted			
2016 Q3	DMUN 1 861	DMUM 1 852	DMUQ -1 791
Q4	-1 984	-1 972	1 827
2017 Q1	1 863	1 833	126
Q2	-1 967	-1 937	-241
Q3	-349	-342	44
Q4	453	446	71
2018 Q1	-739	-713	1 960
Q2	1 620	1 560	-403
Q3	-2 085	-1 997	431
Q4	1 204	1 150	-1 988
2019 Q1	2 083	1 973	182
Q2	541	504	-1 740
Q3	118	104	752
Q4	-2 742	-2 581	806

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 2018/19 = 100

	Current prices					Chained Volume Measures (reference year 2016)				
	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
2015/16	1 934 489	1 934 600	1 723 821	375 641	49 666	1 967 966	1 752 769	380 173	49 428	94.0214
2016/17	2 019 115	2 019 484	1 799 847	383 393	53 708	2 006 495	1 788 490	381 572	53 447	96.2476
2017/18	2 086 798	2 085 654	1 861 834	388 194	55 504	2 038 569	1 818 069	382 586	54 329	97.9104
2018/19	2 165 030	2 166 690	1 930 336	400 238	59 319	2 070 786	1 846 234	386 923	56 510	100.0000
Seasonally adjusted										
2016 Q3	500 711	495 160	446 574	95 635	13 679	499 836	445 450	95 386	13 617	95.8169
Q4	507 375	511 554	452 082	96 021	13 375	503 083	448 704	95 477	13 308	96.4655
2017 Q1	513 458	515 850	457 701	96 497	13 429	505 983	451 301	95 419	13 264	97.0625
Q2	515 534	512 093	459 955	95 869	13 910	507 255	452 432	95 460	13 949	97.2106
Q3	517 788	513 359	461 056	96 670	13 790	508 982	453 960	95 724	13 517	97.3043
Q4	524 887	530 365	468 191	97 631	14 161	511 014	455 736	95 905	13 703	98.2462
2018 Q1	528 589	529 837	472 632	98 024	13 643	511 318	455 941	95 497	13 160	98.8803
Q2	533 844	530 412	475 041	98 355	14 007	514 011	458 302	95 430	13 412	99.3401
Q3	539 878	535 871	481 547	99 472	14 539	517 029	460 958	95 991	14 208	99.8765
Q4	541 993	548 184	483 362	100 379	14 955	518 136	461 901	97 235	14 340	100.0536
2019 Q1	549 315	552 223	490 386	102 032	15 818	521 610	465 073	98 267	14 550	100.7298
Q2	551 134	547 260	491 875	104 006	15 048	520 779	464 344	99 358	13 849	101.2247
Q3	556 894	551 202	497 168	104 778	15 715	523 513	466 783	99 316	13 835	101.7484
Q4	557 545	564 203	497 913	107 301	15 589	523 617	466 869	100 767	13 672	101.8471
Percentage change, latest financial year on previous financial year										
2015/16	3.2	3.4	3.1	1.5	-2.5	2.3	2.1	2.2	-6.5	0.9
2016/17	4.4	4.4	4.4	2.1	8.1	2.0	2.0	0.4	8.1	2.4
2017/18	3.4	3.3	3.4	1.3	3.3	1.6	1.7	0.3	1.7	1.7
2018/19	3.7	3.9	3.7	3.1	6.9	1.6	1.5	1.1	4.0	2.1
Percentage change, latest quarter on previous quarter										
	IHYN	A8L9	KGL8	KH2D	KH7P	IHYQ	KGM9	KH2J	KH9C	L8GH
2016 Q3	0.6	-0.4	0.7	0.4	3.4	0.5	0.5	0.1	2.7	0.2
Q4	1.3	3.3	1.2	0.4	-2.2	0.6	0.7	0.1	-2.3	0.7
2017 Q1	1.2	0.8	1.2	0.5	0.4	0.6	0.6	-0.1	-0.3	0.6
Q2	0.4	-0.7	0.5	-0.7	3.6	0.3	0.3	-	5.2	0.2
Q3	0.4	0.2	0.2	0.8	-0.9	0.3	0.3	0.3	-3.1	0.1
Q4	1.4	3.3	1.5	1.0	2.7	0.4	0.4	0.2	1.4	1.0
2018 Q1	0.7	-0.1	0.9	0.4	-3.7	0.1	-	-0.4	-4.0	0.6
Q2	1.0	0.1	0.5	0.3	2.7	0.5	0.5	-0.1	1.9	0.5
Q3	1.1	1.0	1.4	1.1	3.8	0.6	0.6	0.6	5.9	0.5
Q4	0.4	2.3	0.4	0.9	2.9	0.2	0.2	1.3	0.9	0.2
2019 Q1	1.4	0.7	1.5	1.6	5.8	0.7	0.7	1.1	1.5	0.7
Q2	0.3	-0.9	0.3	1.9	-4.9	-0.2	-0.2	1.1	-4.8	0.5
Q3	1.0	0.7	1.1	0.7	4.4	0.5	0.5	-	-0.1	0.5
Q4	0.1	2.4	0.1	2.4	-0.8	-	-	1.5	-1.2	0.1
Percentage change, latest quarter on corresponding quarter of previous year										
	IHYO	A8LA	KGM2	KH2E	KH7R	IHYR	KGN3	KH2K	KH9M	L8GI
2016 Q3	4.1	3.9	4.1	1.3	11.1	1.9	2.0	0.2	11.4	2.1
Q4	4.8	4.1	4.8	2.7	9.0	1.8	2.0	0.5	10.0	3.0
2017 Q1	4.8	4.9	5.0	2.0	10.6	2.2	2.3	0.1	8.4	2.5
Q2	3.6	3.1	3.7	0.7	5.2	1.9	2.1	0.2	5.2	1.6
Q3	3.4	3.7	3.2	1.1	0.8	1.8	1.9	0.4	-0.7	1.6
Q4	3.5	3.7	3.6	1.7	5.9	1.6	1.6	0.4	3.0	1.8
2018 Q1	2.9	2.7	3.3	1.6	1.6	1.1	1.0	0.1	-0.8	1.9
Q2	3.6	3.6	3.3	2.6	0.7	1.3	1.3	-	-3.8	2.2
Q3	4.3	4.4	4.4	2.9	5.4	1.6	1.5	0.3	5.1	2.6
Q4	3.3	3.4	3.2	2.8	5.6	1.4	1.4	1.4	4.6	1.8
2019 Q1	3.9	4.2	3.8	4.1	15.9	2.0	2.0	2.9	10.6	1.9
Q2	3.2	3.2	3.5	5.7	7.4	1.3	1.3	4.1	3.3	1.9
Q3	3.2	2.9	3.2	5.3	8.1	1.3	1.3	3.5	-2.6	1.9
Q4	2.9	2.9	3.0	6.9	4.2	1.1	1.1	3.6	-4.7	1.8

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

2 All data are seasonally adjusted unless otherwise specified.

3 Implied deflator is expressed in terms of 2018/2019= 100 for presentational

purposes, whereas in table A1 it is expressed as 2016 = 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

2018 = 100

	Implied deflators ²		
	Gross national expenditure	Gross domestic product at market prices ³	Gross value added at basic prices
	MNE2	MNF2	MNX5
2016	94.2742	94.3368	94.2178
2017	96.3371	96.1222	95.9594
2018	98.3410	98.1754	98.0909
2019	100.0000	100.0000	100.0000
Seasonally adjusted			
2016 Q3	94.5047	94.5056	94.4594
Q4	94.9122	95.1453	94.9310
2017 Q1	96.1392	95.7342	95.5579
Q2	95.9949	95.8802	95.7884
Q3	96.2132	95.9727	95.6945
Q4	97.0009	96.9016	96.7967
2018 Q1	97.6213	97.5271	97.6710
Q2	98.0202	97.9806	97.6630
Q3	98.8435	98.5097	98.4302
Q4	98.8791	98.6843	98.5995
2019 Q1	99.2295	99.3513	99.3500
Q2	99.8479	99.8394	99.8081
Q3	100.7021	100.3560	100.3550
Q4	100.2205	100.4533	100.4869
Percentage change, latest year on previous year			
	MNE3	MNF3	MNX6
2016	1.9	2.1	2.0
2017	2.2	1.9	1.8
2018	2.1	2.1	2.2
2019	1.7	1.9	1.9
Percentage change, latest quarter on previous quarter			
	MNE4	MNF4	MNX7
2016 Q3	0.2	0.2	0.1
Q4	0.4	0.7	0.5
2017 Q1	1.3	0.6	0.7
Q2	-0.2	0.2	0.2
Q3	0.2	0.1	-0.1
Q4	0.8	1.0	1.2
2018 Q1	0.6	0.6	0.9
Q2	0.4	0.5	-
Q3	0.8	0.5	0.8
Q4	-	0.2	0.2
2019 Q1	0.4	0.7	0.8
Q2	0.6	0.5	0.5
Q3	0.9	0.5	0.5
Q4	-0.5	0.1	0.1
Percentage change, latest quarter on corresponding quarter of previous year			
	MNE5	MNF5	MNX8
2016 Q3	1.7	2.1	2.1
Q4	2.9	3.0	2.7
2017 Q1	2.9	2.5	2.6
Q2	1.8	1.6	1.6
Q3	1.8	1.6	1.3
Q4	2.2	1.8	2.0
2018 Q1	1.5	1.9	2.2
Q2	2.1	2.2	2.0
Q3	2.7	2.6	2.9
Q4	1.9	1.8	1.9
2019 Q1	1.6	1.9	1.7
Q2	1.9	1.9	2.2
Q3	1.9	1.9	2.0
Q4	1.4	1.8	1.9

1 Implied deflator is expressed in terms of 2018 = 100, whereas in table A1 it is expressed as 2016 = 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 2016)	
		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
2016	65 648	1 995 478	30 397	1 995 478	30 397
2017	66 040	2 071 667	31 370	2 033 234	30 788
2018	66 436	2 144 304	32 276	2 060 494	31 015
2019	66 833	2 214 888	33 141	2 089 519	31 265
Seasonally adjusted					
2016 Q3	65 746	500 711	7 616	499 836	7 603
Q4	65 844	507 375	7 706	503 083	7 641
2017 Q1	65 942	513 458	7 787	505 983	7 673
Q2	66 040	515 534	7 806	507 255	7 681
Q3	66 139	517 788	7 829	508 982	7 696
Q4	66 238	524 887	7 924	511 014	7 715
2018 Q1	66 337	528 589	7 968	511 318	7 708
Q2	66 436	533 844	8 035	514 011	7 737
Q3	66 535	539 878	8 114	517 029	7 771
Q4	66 634	541 993	8 134	518 136	7 776
2019 Q1	66 734	549 315	8 231	521 610	7 816
Q2	66 833	551 134	8 246	520 779	7 792
Q3	66 924	556 894	8 321	523 513	7 822
Q4	67 014	557 545	8 320	523 617	7 814
Percentage change, latest year on previous year					
		IHYM	N3Y3	IHYP	N3Y6
2016		4.1	3.2	1.9	1.1
2017		3.8	3.2	1.9	1.3
2018		3.5	2.9	1.3	0.7
2019		3.3	2.7	1.4	0.8
Percentage change, latest quarter on previous quarter					
		IHYN	N3Y4	IHYQ	N3Y7
2016 Q3		0.6	0.5	0.5	0.3
Q4		1.3	1.2	0.6	0.5
2017 Q1		1.2	1.1	0.6	0.4
Q2		0.4	0.2	0.3	0.1
Q3		0.4	0.3	0.3	0.2
Q4		1.4	1.2	0.4	0.2
2018 Q1		0.7	0.6	0.1	-0.1
Q2		1.0	0.8	0.5	0.4
Q3		1.1	1.0	0.6	0.4
Q4		0.4	0.2	0.2	0.1
2019 Q1		1.4	1.2	0.7	0.5
Q2		0.3	0.2	-0.2	-0.3
Q3		1.0	0.9	0.5	0.4
Q4		0.1	-	-	-0.1
Percentage change, latest quarter on corresponding quarter of previous year					
		IHYO	N3Y5	IHYR	N3Y8
2016 Q3		4.1	3.3	1.9	1.1
Q4		4.8	4.1	1.8	1.1
2017 Q1		4.8	4.1	2.2	1.6
Q2		3.6	3.0	1.9	1.3
Q3		3.4	2.8	1.8	1.2
Q4		3.5	2.8	1.6	1.0
2018 Q1		2.9	2.3	1.1	0.5
Q2		3.6	2.9	1.3	0.7
Q3		4.3	3.6	1.6	1.0
Q4		3.3	2.7	1.4	0.8
2019 Q1		3.9	3.3	2.0	1.4
Q2		3.2	2.6	1.3	0.7
Q3		3.2	2.6	1.3	0.7
Q4		2.9	2.3	1.1	0.5

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

2 This data uses the UK resident population mid-year estimates published 26 June 2019

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

R Revisions Analysis¹

Revisions since previously published estimates

£ million

			2019
Latest less previously published levels of GDP			
at current market prices			
National accounts aggregates			
at current prices (Table A2)			
Gross domestic product at market prices	KB7D		-2
less Basic price adjustment	KB7E		733
Gross value added at basic prices	KB7F		-735
Gross domestic product:			
expenditure at current prices (Table C1)			
National expenditure on goods and services			
at market prices			
Households	KB7K		-2 546
Non-profit institutions serving households	KB7L		95
General government	KB7M		131
Gross fixed capital formation	KB7N		684
Changes in inventories	KB7O		-1 132
Acquisitions less disposals of valuables	KB7P		1 079
Total	KB7Q		-1 689
Total exports	KB7R		9 637
Total imports	KB7S		6 239
Statistical discrepancy (expenditure)	KB7T		-1 711
Gross domestic product:			
income at current prices (Table D)			
Compensation of employees	KB7U		1 415
Gross operating surplus of corporations	KB7V		-2 588
Other income	KB7W		-316
Gross value added at factor cost	KB7X		-1 489
Taxes on products & production less Subsidies	KB7Y		584
Statistical discrepancy (income)	KB7Z		903

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

			2019
Latest less previously published growth rates for GDP			
in chained volume terms			
Percentage changes in volume of GDP (Table A2)			
Gross domestic product chained volume measures			
Year on year growth	KB82		-
Percentage changes in volume			
of GVA output components (Table B1)			
GVA at basic prices			
Agriculture, forestry and fishing	KB83		0.5
Mining and quarrying inc oil & gas extraction	KB84		0.2
Manufacturing	KB85		-0.2
Electricity, gas, steam and air	KB86		0.2
Water supply, sewerage	KNT7		-0.1
Total Production	KB87		-0.1
Construction	KB88		-0.2
Distribution, hotels and restaurants	KB89		0.1
Transport storage and communications	KB8A		-0.3
Business services and finance	KB8B		0.1
Government and other services	KB8C		-0.1
Total services	KB8D		-
Total GVA	KB8E		-
Total GVA excluding Oil	KB8F		-
Percentage changes in volume			
of GDP expenditure components (Table C2)			
National expenditure on goods and services			
at market prices			
Households	KB8G		-0.3
Non-profit institutions serving households	KB8H		0.4
General government	KB8I		-0.1
Gross fixed capital formation	KB8J		0.2
Total	KB8K		-
Total exports	KB8L		1.1
Total imports	KB8M		1.0

R Revisions Analysis¹

Revisions since previously published estimates

continued

£ million

		2019 Q1	2019 Q2	2019 Q3	2019 Q4
Latest less previously published levels of GDP at current market prices					
National accounts aggregates at current prices (Table A2)					
Gross domestic product at market prices	KB7D	112	-400	201	85
less Basic price adjustment	KB7E	33	35	228	437
Gross value added at basic prices	KB7F	79	-435	-27	-352
Gross domestic product: expenditure at current prices (Table C1)					
National expenditure on goods and services at market prices					
Households	KB7K	-534	-449	-571	-992
Non-profit institutions serving households	KB7L	7	-14	44	58
General government	KB7M	-60	-119	388	-78
Gross fixed capital formation	KB7N	19	-34	33	666
Changes in inventories	KB7O	-59	515	473	-2 061
Acquisitions less disposals of valuables	KB7P	-2	1	195	885
Total	KB7Q	-629	-100	562	-1 522
Total exports	KB7R	1 264	311	1 988	6 074
Total imports	KB7S	258	173	1 817	3 991
Statistical discrepancy (expenditure)	KB7T	-265	-438	-532	-476
Gross domestic product: income at current prices (Table D)					
Compensation of employees	KB7U	244	512	447	212
Gross operating surplus of corporations	KB7V	-33	-961	-704	-890
Other income	KB7W	-71	-57	-76	-112
Gross value added at factor cost	KB7X	140	-506	-333	-790
Taxes on products & production less Subsidies	KB7Y	32	-69	147	474
Statistical discrepancy (income)	KB7Z	-60	175	387	401

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

		2019 Q1	2019 Q2	2019 Q3	2019 Q4
Latest less previously published growth rates for GDP in chained volume terms					
Percentage changes in volume of GDP (Table A2)					
Gross domestic product chained volume measures					
Quarter on quarter growth	KB82	0.1	-0.1	-	-
Quarter on same quarter a year earlier	KB94	-	-	0.1	-
Percentage changes in volume of GVA output components (Table B1)					
GVA at basic prices quarter on quarter growth					
Agriculture, forestry and fishing	KB83	0.1	0.1	0.5	0.3
Mining and quarrying inc oil & gas extraction	KB84	-0.2	0.5	0.3	0.1
Manufacturing	KB85	-0.1	-	-0.1	-
Electricity, gas, steam and air	KB86	0.2	-0.1	-	-
Water supply, sewerage	KNT7	-0.4	0.1	0.5	-0.2
Total Production	KB87	-0.1	-0.1	-	0.1
Construction	KB88	0.3	-0.3	-0.2	-0.6
Distribution, hotels and restaurants	KB89	-	0.1	0.1	0.2
Transport storage and communications	KB8A	-0.1	-0.2	-	-0.3
Business services and finance	KB8B	-	-	0.2	-
Government and other services	KB8C	-0.1	-	-	0.3
Total services	KB8D	-	-	0.1	0.1
Total GVA	KB8E	-	-0.1	-	-
Total GVA excluding Oil	KB8F	-	-0.1	-	-
Percentage changes in volume of GDP expenditure components (Table C2)					
National expenditure on goods and services at market prices quarter on quarter growth					
Households	KB8G	-0.2	-	-0.2	-0.1
Non-profit institutions serving households	KB8H	0.2	-0.1	0.6	-
General government	KB8I	0.5	-0.2	-0.3	-0.6
Gross fixed capital formation	KB8J	-0.1	-	0.2	0.4
Total	KB8K	-0.1	0.1	0.1	0.1
Total exports	KB8L	0.7	-0.5	1.1	0.9
Total imports	KB8M	0.1	-	1.1	1.2

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

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	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												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
2019	-1.2	-1.4	-0.3	-1.7	-2.7	1.4	2.3	1.8	2.7	4.3	0.6	1.7
Contributions to growth												
	ZZ3V	ZZ3W	ZZ3Y	ZZ3X	ZZ3Z	ZZ42	ZZ43	ZZ44	ZZ45	ZZ46	ZZ47	ZZ48
2017	0.04	0.24	0.01	0.23	-0.03	0.03	0.39	1.32	0.32	0.39	0.35	0.26
2018	-0.02	0.11	0.04	0.09	-0.02	0.01	-	1.58	0.40	0.42	0.59	0.15
2019	-0.01	-0.20	-	-0.17	-0.04	0.02	0.14	1.43	0.37	0.48	0.21	0.37
Percentage change, latest quarter on previous quarter												
Growth												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2017 Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.1	0.9	-1.6	1.7	-2.1	-1.4	2.1	0.4	1.1	1.4	-0.3	0.4
Q2	-0.4	-2.1	-0.7	-3.0	1.3	1.4	-1.2	0.2	0.3	0.5	-	0.4
Q3	0.1	-0.1	2.0	-0.3	-1.6	1.7	0.9	0.6	0.1	0.7	0.8	0.6
Q4	0.1	-0.7	-2.7	-1.1	1.8	0.3	-0.1	0.2	-0.2	-0.4	0.2	0.6
Contributions to growth												
	ZZ2F	ZZ2G	ZZ2I	ZZ2H	ZZ2J	ZZ2K	ZZ2L	ZZ2M	ZZ2N	ZZ2O	ZZ2P	ZZ2Q
2017 Q3	-	0.12	0.01	0.10	-	0.01	0.01	0.24	0.05	0.06	0.17	-0.05
Q4	-0.01	0.14	-0.02	0.16	-	0.01	0.05	0.28	0.02	0.12	0.18	-0.04
2018 Q1	-0.01	-0.02	0.01	-0.02	0.02	-0.02	-0.11	0.34	0.06	-0.01	0.24	0.05
Q2	-0.01	-0.06	0.04	-0.04	-0.07	0.03	0.05	0.61	0.25	0.16	0.11	0.09
Q3	-	0.08	0.03	0.01	0.02	0.02	0.06	0.52	0.16	0.23	0.06	0.08
Q4	-	-0.12	-0.01	-0.08	-0.01	-0.01	-	0.41	0.07	0.14	0.12	0.09
2019 Q1	-0.01	0.12	-0.02	0.17	-0.03	-0.02	0.13	0.30	0.15	0.15	-0.09	0.09
Q2	-	-0.28	-0.01	-0.30	0.02	0.02	-0.08	0.18	0.03	0.05	0.01	0.08
Q3	-	-0.02	0.02	-0.03	-0.02	0.02	0.05	0.48	0.02	0.08	0.25	0.14
Q4	-	-0.10	-0.03	-0.10	0.03	-	-	0.13	-0.03	-0.04	0.08	0.13
Percentage change, latest quarter on corresponding quarter of previous year												
Growth												
	L3ZZ	L426	L427	L42D	L44C	L44G	L44M	L44Q	L47F	KII2	KIH9	KIH8
2017 Q3	7.1	2.0	-0.4	2.6	-0.4	1.2	5.9	1.5	2.9	3.2	0.6	1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-1.6	0.1	4.9	0.5	-6.5	1.7	4.0	2.3	4.7	6.2	0.6	1.6
Q2	-1.1	-1.6	-0.7	-2.1	-0.2	1.0	1.9	1.8	3.0	5.2	0.3	1.5
Q3	-0.7	-2.2	-1.8	-2.5	-3.3	0.8	1.7	1.7	2.0	3.8	0.9	1.8
Q4	-1.3	-2.1	-3.1	-2.7	-0.6	2.0	1.7	1.4	1.2	2.2	0.8	2.0
Contributions to growth												
	ZZ36	ZZ37	ZZ39	ZZ38	ZZ3A	ZZ3B	ZZ3C	ZZ3D	ZZ3E	ZZ3F	ZZ3G	ZZ3H
2017 Q3	0.05	0.27	-	0.26	-0.01	0.02	0.36	1.23	0.38	0.35	0.21	0.30
Q4	0.03	0.31	0.02	0.33	-0.05	0.01	0.33	0.97	0.17	0.38	0.20	0.22
2018 Q1	-0.02	0.20	0.01	0.21	0.04	-0.06	-0.04	1.15	0.19	0.35	0.54	0.07
Q2	-0.02	0.19	0.04	0.18	-0.05	0.03	-0.01	1.48	0.39	0.33	0.71	0.05
Q3	-0.03	0.15	0.05	0.10	-0.03	0.04	0.05	1.77	0.49	0.49	0.60	0.18
Q4	-0.02	-0.12	0.06	-0.14	-0.04	0.02	-	1.90	0.54	0.52	0.53	0.31
2019 Q1	-0.01	0.02	0.04	0.06	-0.10	0.02	0.24	1.85	0.63	0.68	0.20	0.34
Q2	-0.01	-0.21	-0.01	-0.21	-	0.01	0.12	1.42	0.41	0.58	0.10	0.33
Q3	-	-0.30	-0.02	-0.25	-0.05	0.01	0.11	1.37	0.27	0.43	0.29	0.39
Q4	-0.01	-0.28	-0.03	-0.27	-0.01	0.03	0.10	1.10	0.17	0.25	0.26	0.43

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

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

Short Guide to National Accounts

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

AB Annex B - Growth and contributions to growth - expenditure components of GDP^{1,2}

Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure									
	Households	Non-profit institutions ³	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports	Net trade
Percentage change, latest year on previous year									
Growth									
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N	
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5	
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0	
2019	1.1	-0.8	3.5	1.6	0.6	0.6	4.8	4.6	
Contributions to growth									
	ZZ6M	ZZ6N	ZZ6O	ZZ6P	ZZ6Q	ZZ6R	ZZ6S	ZZ6T	ZZ6U
2017	1.44	-	0.05	-0.29	0.28	0.29	1.74	1.05	0.68
2018	1.02	-	0.08	0.25	-0.04	-0.15	0.37	0.63	-0.26
2019	0.72	-0.02	0.65	0.27	0.10	0.06	1.48	1.46	0.02
Percentage change, latest quarter on previous quarter									
Growth									
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O	
2017 Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6	
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0	
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3	
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6	
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8	
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9	
2019 Q1	0.1	0.1	1.1	18.2	1.0	1.1	1.8	9.3	
Q2	0.5	-1.1	1.1	-15.9	-0.5	0.5	-3.5	-10.7	
Q3	0.2	0.5	-	-5.5	0.5	0.7	7.0	2.3	
Q4	-	-0.7	1.5	-10.5	-1.2	-0.5	5.0	0.4	
Contributions to growth									
	ZZ5M	ZZ5N	ZZ5O	ZZ5P	ZZ5Q	ZZ5R	ZZ5S	ZZ5T	ZZ5U
2017 Q3	0.25	-0.01	0.05	-0.08	-0.07	0.02	0.31	0.20	0.11
Q4	0.19	0.02	0.04	0.21	0.19	0.02	-0.45	-0.30	-0.14
2018 Q1	0.27	0.01	-0.08	-0.21	-0.20	-0.08	0.10	0.09	0.02
Q2	0.37	-0.02	-0.01	0.43	-0.04	-0.08	-0.08	0.18	-0.26
Q3	0.27	-	0.11	-0.36	0.05	-0.09	0.70	0.25	0.44
Q4	0.10	-	0.24	0.73	-0.02	-0.05	-0.08	0.92	-1.00
2019 Q1	0.09	-	0.20	3.20	0.17	0.10	0.56	3.04	-2.49
Q2	0.34	-0.02	0.21	-3.28	-0.09	0.05	-1.07	-3.78	2.71
Q3	0.16	0.01	-0.01	-0.96	0.08	0.07	2.09	0.74	1.36
Q4	-0.03	-0.02	0.27	-1.72	-0.20	-0.05	1.61	0.13	1.48
Percentage change, latest quarter on corresponding quarter of previous year									
Growth									
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P	
2017 Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2	
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3	
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2	
Q2	1.7	-0.2	-	2.0	-0.7	-1.2	-0.4	0.5	
Q3	1.8	0.2	0.3	0.5	-	-2.4	0.9	0.7	
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6	
2019 Q1	1.3	-0.6	2.9	23.7	1.0	-1.2	3.6	14.1	
Q2	1.3	-0.9	4.1	1.5	0.7	0.1	0.3	1.3	
Q3	1.1	-0.5	3.5	-2.1	0.8	1.7	4.9	2.8	
Q4	0.9	-1.2	3.6	-16.0	-0.3	1.8	10.4	0.3	
Contributions to growth									
	ZZ65	ZZ66	ZZ67	ZZ68	ZZ69	ZZ6A	ZZ6B	ZZ6C	ZZ6D
2017 Q3	1.34	0.01	0.07	-1.46	0.08	0.17	2.85	0.98	1.87
Q4	0.54	0.04	0.09	0.53	0.38	0.38	0.70	0.38	0.31
2018 Q1	0.88	0.03	0.02	-0.03	0.17	0.07	0.68	0.69	-0.01
Q2	1.08	-	-0.01	0.36	-0.12	-0.12	-0.11	0.16	-0.27
Q3	1.11	-	0.05	0.08	0.01	-0.23	0.27	0.21	0.06
Q4	1.01	-0.01	0.26	0.60	-0.21	-0.31	0.64	1.45	-0.81
2019 Q1	0.84	-0.01	0.54	4.03	0.17	-0.12	1.11	4.46	-3.35
Q2	0.81	-0.02	0.76	0.26	0.12	0.01	0.09	0.42	-0.33
Q3	0.69	-0.01	0.64	-0.35	0.14	0.16	1.50	0.90	0.60
Q4	0.56	-0.03	0.68	-2.80	-0.04	0.17	3.21	0.10	3.10

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

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

3 Non-profit institutions serving households

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
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
2019	4.4	0.5	3.0	2.2
Contributions to growth				
	ZZ7H	ZZ7I	ZZ7J	ZZ7K
2017	2.07	0.84	0.42	0.46
2018	2.15	0.20	0.76	0.32
2019	2.18	0.11	0.53	0.27
Percentage change, latest quarter on previous quarter				
Growth				
	KGI4	KH4W	KH6U	KH66
2017 Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.5	3.0	1.6	-0.3
Q2	1.6	-2.8	-0.7	1.7
Q3	0.9	3.5	-0.7	-0.1
Q4	0.6	-1.3	0.7	-0.1
Contributions to growth				
	ZZ6Z	ZZ72	ZZ73	ZZ74
2017 Q3	0.49	-0.38	0.10	0.19
Q4	0.33	0.94	0.19	-0.04
2018 Q1	0.56	0.16	0.19	-0.28
Q2	0.40	-0.39	0.27	0.68
Q3	0.73	0.37	0.16	-0.13
Q4	0.74	-0.62	0.29	0.06
2019 Q1	0.25	0.64	0.30	-0.03
Q2	0.71	-0.52	-0.12	0.19
Q3	0.43	0.68	-0.12	-0.01
Q4	0.24	-0.22	0.11	-0.01
Percentage change, latest quarter on corresponding quarter of previous year				
Growth				
	KGI5	KH4X	KH6V	KH67
2017 Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.4	-	5.8	4.9
Q2	5.2	-1.0	3.5	0.9
Q3	4.5	0.7	1.8	1.9
Q4	3.6	2.4	0.9	1.3
Contributions to growth				
	ZZ79	ZZ7A	ZZ7B	ZZ7C
2017 Q3	2.00	0.34	0.39	0.65
Q4	2.06	0.62	0.38	0.44
2018 Q1	2.19	-0.04	0.53	0.15
Q2	1.86	0.27	0.77	0.59
Q3	2.09	1.08	0.83	0.24
Q4	2.50	-0.48	0.94	0.33
2019 Q1	2.13	-	1.02	0.57
Q2	2.50	-0.21	0.61	0.11
Q3	2.26	0.15	0.32	0.23
Q4	1.81	0.49	0.17	0.16

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 2016

	Final consumption expenditure						
	Households	Non-profit institutions ²	General government	Gross capital formation	Gross fixed capital formation	Total exports	less Total imports
Percentage change, latest year on previous year							
	ZZ93	ZZ94	ZZ95	ZZ96	ZZ97	ZZ98	ZZ99
2017	1.4	1.1	1.1	6.3	2.2	4.5	5.4
2018	2.7	1.5	2.0	0.1	1.8	3.1	2.8
2019	1.3	1.5	1.9	2.8	3.6	1.5	1.0
Percentage change, latest quarter on previous quarter							
	ZZ8N	ZZ8O	ZZ8P	ZZ8Q	ZZ8R	ZZ8S	ZZ8T
2017 Q3	-0.1	0.7	0.6	0.9	1.0	-0.2	0.3
Q4	0.9	-	0.8	0.6	-0.2	1.5	1.0
2018 Q1	1.3	-	0.8	-1.7	0.3	-0.2	-0.1
Q2	0.4	1.3	0.4	0.2	1.3	2.2	1.9
Q3	0.6	0.1	0.5	2.1	0.1	0.3	1.3
Q4	0.3	-	-0.4	-0.5	0.4	1.2	0.6
2019 Q1	0.3	0.1	0.6	-	1.4	-1.1	-2.1
Q2	0.1	1.4	0.8	2.5	0.9	1.1	1.6
Q3	0.6	-0.4	0.8	2.3	1.1	0.3	1.5
Q4	-0.1	0.7	0.9	-3.4	1.0	0.2	-1.5
Percentage change, latest quarter on corresponding quarter of previous year							
	ZZ8U	ZZ8V	ZZ8W	ZZ8X	ZZ8Y	ZZ8Z	ZZ92
2017 Q3	0.9	1.4	0.7	8.1	2.3	2.1	3.1
Q4	2.0	1.0	1.2	1.6	1.7	1.6	2.7
2018 Q1	2.3	1.3	1.5	-1.0	1.2	1.5	0.5
Q2	2.5	2.0	2.6	-	2.4	3.4	3.1
Q3	3.2	1.3	2.6	1.3	1.4	3.8	4.1
Q4	2.6	1.4	1.4	0.2	2.1	3.6	3.7
2019 Q1	1.6	1.5	1.2	1.9	3.2	2.6	1.7
Q2	1.3	1.7	1.6	4.2	2.8	1.5	1.4
Q3	1.3	1.1	1.8	4.3	3.8	1.5	1.6
Q4	0.9	1.8	3.1	1.3	4.4	0.5	-0.5

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

2 Non-profit institutions serving households

AE Annex E - Output components of GDP- growths and revisions from previous estimate^{1,2}, Chained Volume Measures

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction ⁴	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage change, latest year on previous year												
Current estimates³												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
2019	-1.2	-1.4	-0.3	-1.7	-2.7	1.4	2.3	1.8	2.7	4.3	0.6	1.7
Previous estimates²												
	A2EQ	A2ER	A2ET	A2ES	A2EU	A2EV	A2EW	A2EY	A2F2	A2F3	A2F4	A2F5
2017	5.7	1.7	1.7	2.2	-1.8	2.0	6.4	1.7	2.4	3.6	1.0	1.2
2018	-3.0	0.8	5.3	0.9	-1.6	0.5	-	2.0	3.0	3.8	1.8	0.7
2019	-1.7	-1.3	-0.5	-1.5	-2.9	1.5	2.5	1.8	2.6	4.6	0.5	1.8
Revisions												
	ZZ52	ZZ53	ZZ55	ZZ54	ZZ56	ZZ57	ZZ58	ZZ59	ZZ5A	ZZ5B	ZZ5C	ZZ5D
2017	-	-	-	-	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-	-	-	-	-
2019	0.5	-0.1	0.2	-0.2	0.2	-0.1	-0.2	-	0.1	-0.3	0.1	-0.1
Percentage change, latest quarter on previous quarter												
Current estimates³												
	L3BB	L3BG	L3BH	L3BN	L3DM	L3DQ	L3DW	L3E2	L3GP	KI8L	KI8N	KI8P
2017 Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.1	0.9	-1.6	1.7	-2.1	-1.4	2.1	0.4	1.1	1.4	-0.3	0.4
Q2	-0.4	-2.1	-0.7	-3.0	1.3	1.4	-1.2	0.2	0.3	0.5	-	0.4
Q3	0.1	-0.1	2.0	-0.3	-1.6	1.7	0.9	0.6	0.1	0.7	0.8	0.6
Q4	0.1	-0.7	-2.7	-1.1	1.8	0.3	-0.1	0.2	-0.2	-0.4	0.2	0.6
Previous estimates²												
	A2CX	A2CY	A2DO	A2DL	A2DR	A2DS	A2DT	A2DU	A2DV	A2DW	A2DX	A2DY
2017 Q3	0.6	0.9	1.3	0.9	0.3	1.0	0.1	0.3	0.4	0.6	0.5	-0.2
Q4	-1.0	1.1	-2.6	1.5	-0.2	0.6	0.7	0.4	0.2	1.0	0.5	-0.2
2018 Q1	-2.0	-0.1	1.5	-0.2	1.6	-1.8	-1.8	0.4	0.4	-0.1	0.7	0.2
Q2	-1.0	-0.4	4.8	-0.4	-5.1	2.2	0.8	0.8	1.9	1.4	0.3	0.4
Q3	-0.3	0.6	3.2	0.1	1.6	1.8	1.1	0.7	1.2	2.0	0.2	0.4
Q4	0.7	-0.9	-1.4	-0.8	-0.9	-0.9	-	0.5	0.5	1.2	0.3	0.4
2019 Q1	-1.2	1.0	-1.4	1.8	-2.3	-1.0	1.8	0.4	1.1	1.5	-0.3	0.5
Q2	-0.5	-2.0	-1.2	-3.0	1.4	1.3	-0.9	0.2	0.2	0.7	-	0.4
Q3	-0.4	-0.1	1.7	-0.2	-1.6	1.2	1.1	0.5	-	0.7	0.6	0.6
Q4	-0.2	-0.8	-2.8	-1.1	1.8	0.5	0.5	0.1	-0.4	-0.1	0.2	0.3
Revisions												
	ZZ4A	ZZ4B	ZZ4D	ZZ4C	ZZ4E	ZZ4F	ZZ4G	ZZ4H	ZZ4I	ZZ4J	ZZ4K	ZZ4L
2017 Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	0.1	-0.1	-0.2	-0.1	0.2	-0.4	0.3	-	-	-0.1	-	-0.1
Q2	0.1	-0.1	0.5	-	-0.1	0.1	-0.3	-	0.1	-0.2	-	-
Q3	0.5	-	0.3	-0.1	-	0.5	-0.2	0.1	0.1	-	0.2	-
Q4	0.3	0.1	0.1	-	-	-0.2	-0.6	0.1	0.2	-0.3	-	0.3

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

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

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

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

AE Annex E - Output components of GDP- growths and revisions from previous estimate^{1,2}, Chained Volume Measures

continued

Seasonally adjusted data

Reference year 2016

	Agri- culture, forestry, and fishing	Total Production	Mining & quarrying inc oil & gas extract	Manu- facturing	Electric, gas, steam & air	Water supply, sewerage	Constr- uction ⁴	Total Services	Distri- bution, hotels & restaurants	Transport, storage and commu- nications	Business services and finance	Govern- ment & other services
Percentage growths, latest quarter on corresponding quarter of previous year												
Current estimates³												
2017 Q3	L3ZZ 7.1	L426 2.0	L427 -0.4	L42D 2.6	L44C -0.4	L44G 1.2	L44M 5.9	L44Q 1.5	L47F 2.9	KII2 3.2	KIH9 0.6	KIH8 1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-1.6	0.1	4.9	0.5	-6.5	1.7	4.0	2.3	4.7	6.2	0.6	1.6
Q2	-1.1	-1.6	-0.7	-2.1	-0.2	1.0	1.9	1.8	3.0	5.2	0.3	1.5
Q3	-0.7	-2.2	-1.8	-2.5	-3.3	0.8	1.7	1.7	2.0	3.8	0.9	1.8
Q4	-1.3	-2.1	-3.1	-2.7	-0.6	2.0	1.7	1.4	1.2	2.2	0.8	2.0
Previous estimates²												
2017 Q3	A2DZ 7.1	A2E2 2.0	A2E4 -0.4	A2E3 2.6	A2E5 -0.4	A2EE 1.2	A2EK 5.9	A2EL 1.5	A2EM 2.9	A2EN 3.2	A2EO 0.6	A2EP 1.4
Q4	4.4	2.3	2.7	3.3	-3.1	0.5	5.4	1.2	1.3	3.5	0.6	1.0
2018 Q1	-2.2	1.5	1.2	2.1	2.7	-4.2	-0.7	1.4	1.4	3.2	1.6	0.3
Q2	-3.2	1.4	5.0	1.8	-3.5	2.0	-0.2	1.9	2.9	3.0	2.1	0.2
Q3	-4.1	1.1	6.9	1.0	-2.3	2.9	0.8	2.2	3.7	4.5	1.8	0.8
Q4	-2.5	-0.9	8.2	-1.4	-3.1	1.3	-	2.4	4.0	4.7	1.6	1.4
2019 Q1	-1.8	0.2	5.2	0.7	-6.8	2.1	3.7	2.4	4.7	6.3	0.6	1.7
Q2	-1.3	-1.4	-0.8	-1.9	-0.4	1.2	1.9	1.8	3.0	5.5	0.3	1.6
Q3	-1.5	-2.1	-2.2	-2.2	-3.5	0.6	2.0	1.7	1.8	4.1	0.7	1.9
Q4	-2.4	-2.0	-3.7	-2.5	-0.8	2.0	2.5	1.3	0.9	2.7	0.6	1.8
Revisions												
2017 Q3	ZZ4N -	ZZ4O -	ZZ4Q -	ZZ4P -	ZZ4R -	ZZ4S -	ZZ4T -	ZZ4U -	ZZ4V -	ZZ4W -	ZZ4X -	ZZ4Y -
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-	-	-	-	-
2019 Q1	0.2	-0.1	-0.3	-0.2	0.3	-0.4	0.3	-0.1	-	-0.1	-	-0.1
Q2	0.2	-0.2	0.1	-0.2	0.2	-0.2	-	-	-	-0.3	-	-0.1
Q3	0.8	-0.1	0.4	-0.3	0.2	0.2	-0.3	-	0.2	-0.3	0.2	-0.1
Q4	1.1	-0.1	0.6	-0.2	0.2	-	-0.8	0.1	0.3	-0.5	0.2	0.2

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

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

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

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

AF Annex F - Expenditure components of GDP- growths and revisions from previous estimate^{1,2}, Chained Volume Measures

Seasonally adjusted data

Reference year 2016

Final consumption expenditure								
	House-holds	Non-prof-it instit-utions ³	General govern-ment	Gross Capital Formation	Gross Fixed Capital Formation	Business investme-nt	Total exports	less Total imports
Percentage change, latest year on previous year								
Current estimates⁴								
	KGZ5	KH26	KH2I	ZZ6H	KG7N	KG7M	KH2U	KH3N
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0
2019	1.1	-0.8	3.5	1.6	0.6	0.6	4.8	4.6
Previous estimates²								
	A275	A276	A289	A28J	A28L	A29D	A29F	A2CK
2017	2.3	-0.2	0.3	-1.7	1.6	2.9	6.1	3.5
2018	1.6	0.2	0.4	1.4	-0.2	-1.5	1.2	2.0
2019	1.4	-1.2	3.6	0.4	0.4	0.3	3.7	3.6
Revisions								
	ZZ83	ZZ84	ZZ85	ZZ86	ZZ87	ZZ88	ZZ89	ZZ8A
2017	-	-	-	-	-	-	-	-
2018	-	-	-	-	-	-	-	-
2019	-0.3	0.4	-0.1	1.2	0.2	0.3	1.1	1
Percentage change, latest quarter on previous quarter								
Current estimates⁴								
	KGZ6	KH27	KH2J	ZZ5H	KG7Q	KG7P	KH2V	KH3O
2017 Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9
2019 Q1	0.1	0.1	1.1	18.2	1.0	1.1	1.8	9.3
Q2	0.5	-1.1	1.1	-15.9	-0.5	0.5	-3.5	-10.7
Q3	0.2	0.5	-	-5.5	0.5	0.7	7.0	2.3
Q4	-	-0.7	1.5	-10.5	-1.2	-0.5	5.0	0.4
Previous estimates²								
	A24M	A24X	A24Y	A25I	A25J	A25M	A264	A268
2017 Q3	0.4	-0.3	0.3	-0.5	-0.4	0.2	1.0	0.6
Q4	0.3	0.7	0.2	1.3	1.1	0.2	-1.5	-1.0
2018 Q1	0.4	0.3	-0.4	-1.2	-1.2	-0.8	0.3	0.3
Q2	0.6	-0.9	-0.1	2.5	-0.2	-0.8	-0.2	0.6
Q3	0.4	0.1	0.6	-2.0	0.3	-0.9	2.3	0.8
Q4	0.2	0.1	1.3	4.3	-0.1	-0.6	-0.3	2.9
2019 Q1	0.3	-0.1	0.6	18.9	1.1	1.1	1.1	9.2
Q2	0.5	-1.0	1.3	-16.8	-0.5	0.5	-3.0	-10.7
Q3	0.4	-0.1	0.3	-6.8	0.3	0.2	5.9	1.2
Q4	0.1	-0.7	2.1	-12.4	-1.6	-1.0	4.1	-0.8
Revisions								
	ZZ7L	ZZ7M	ZZ7N	ZZ7O	ZZ7P	ZZ7Q	ZZ7R	ZZ7S
2017 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2019 Q1	-0.2	0.2	0.5	-0.7	-0.1	-	0.7	0.1
Q2	-	-0.1	-0.2	0.9	-	-	-0.5	-
Q3	-0.2	0.6	-0.3	1.3	0.2	0.5	1.1	1.1
Q4	-0.1	-	-0.6	1.9	0.4	0.5	0.9	1.2

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

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

3 Non-profit institutions serving households

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

AF Annex F - Expenditure components of GDP- growths and revisions from previous estimate^{1,2}, Chained Volume Measures

continued

Seasonally adjusted data

Reference year 2016

	Final consumption expenditure							
	Households	Non-profit institutions ³	General government	Gross capital formation	Gross fixed capital formation	Business investment	Total exports	less Total imports
Percentage change, latest quarter on corresponding quarter of the previous year								
Current estimates⁴								
	KGZ7	KH28	KH2K	ZZ5Y	KG7T	KG7S	KH2W	KH3P
2017 Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2
Q2	1.7	-0.2	-	2.0	-0.7	-1.2	-0.4	0.5
Q3	1.8	0.2	0.3	0.5	-	-2.4	0.9	0.7
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6
2019 Q1	1.3	-0.6	2.9	23.7	1.0	-1.2	3.6	14.1
Q2	1.3	-0.9	4.1	1.5	0.7	0.1	0.3	1.3
Q3	1.1	-0.5	3.5	-2.1	0.8	1.7	4.9	2.8
Q4	0.9	-1.2	3.6	-16.0	-0.3	1.8	10.4	0.3
Previous estimates²								
	A26C	A26H	A26I	A26J	A26K	A26L	A26M	A26N
2017 Q3	1.6	0.5	0.4	-7.9	0.5	1.7	10.3	3.2
Q4	1.5	1.6	0.4	3.2	2.2	3.9	2.4	1.3
2018 Q1	1.4	1.2	0.1	-0.1	1.0	0.7	2.3	2.2
Q2	1.7	-0.2	-	2.0	-0.7	-1.2	-0.4	0.5
Q3	1.8	0.2	0.3	0.5	-	-2.4	0.9	0.7
Q4	1.6	-0.4	1.4	3.4	-1.2	-3.1	2.1	4.6
2019 Q1	1.5	-0.8	2.5	24.4	1.0	-1.2	2.9	14.0
Q2	1.4	-1.0	3.9	1.1	0.7	0.2	0.1	1.2
Q3	1.3	-1.2	3.6	-3.9	0.7	1.3	3.6	1.6
Q4	1.3	-1.9	4.4	-19.2	-0.9	0.9	8.2	-2.1
Revisions								
	ZZ7T	ZZ7U	ZZ7V	ZZ7W	ZZ7X	ZZ7Y	ZZ7Z	ZZ82
2017 Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2018 Q1	-	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-	-
2019 Q1	-0.2	0.2	0.4	-0.7	-	-	0.7	0.1
Q2	-0.1	0.1	0.2	0.4	-	-0.1	0.2	0.1
Q3	-0.2	0.7	-0.1	1.8	0.1	0.4	1.3	1.2
Q4	-0.4	0.7	-0.8	3.2	0.6	0.9	2.2	2.4

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

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

3 Non-profit institutions serving households

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

AG Annex G - Income components of GDP- growths and revisions from previous estimate^{1,2}, Current Prices

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
Percentage change, latest year on previous year				
Current estimates³				
	KGI3	KH4V	KH6T	KH65
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
2019	4.4	0.5	3.0	2.2
Previous estimates²				
	A2CT	A2CU	A2CV	A2CW
2017	4.3	4.0	2.4	3.8
2018	4.4	0.9	4.3	2.7
2019	4.3	1.1	3.1	2.0
Revisions				
	ZZ8J	ZZ8K	ZZ8L	ZZ8M
2017	-	-	-	-
2018	-	-	-	-
2019	0.1	-0.6	-0.1	0.2
Percentage change, latest quarter on previous quarter				
Current estimates³				
	KGI4	KH4W	KH6U	KH66
2017 Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.5	3.0	1.6	-0.3
Q2	1.6	-2.8	-0.7	1.7
Q3	0.9	3.5	-0.7	-0.1
Q4	0.6	-1.3	0.7	-0.1
Previous estimates²				
	A2CL	A2CM	A2CN	A2CO
2017 Q3	1.1	-2.0	0.6	1.7
Q4	0.7	4.4	1.0	-0.3
2018 Q1	1.2	0.7	1.1	-2.3
Q2	0.8	-1.8	1.5	5.8
Q3	1.5	1.8	0.9	-1.0
Q4	1.5	-2.9	1.6	0.5
2019 Q1	0.4	3.1	1.7	-0.3
Q2	1.5	-2.0	-0.7	1.9
Q3	0.9	3.3	-0.7	-0.4
Q4	0.7	-1.1	0.8	-0.6
Revisions				
	ZZ8B	ZZ8C	ZZ8D	ZZ8E
2017 Q3	-	-	-	-
Q4	-	-	-	-
2018 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2019 Q1	0.1	-0.1	-0.1	-
Q2	0.1	-0.8	-	-0.2
Q3	-	0.2	-	0.3
Q4	-0.1	-0.2	-0.1	0.5

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

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

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

AG Annex G - Income components of GDP- growths and revisions from previous estimate^{1,2}, Current Prices

continued

Seasonally adjusted data

	Compen- sation of employees	Gross operating surplus of corporations	Other income	Taxes on products & production less subsidies
Percentage change, latest quarter on corresponding quarter of previous year				
Current estimates³				
	KGI5	KH4X	KH6V	KH67
2017 Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.4	-	5.8	4.9
Q2	5.2	-1.0	3.5	0.9
Q3	4.5	0.7	1.8	1.9
Q4	3.6	2.4	0.9	1.3
Previous estimates²				
	A2CP	A2CQ	A2CR	A2CS
2017 Q3	4.1	1.6	2.2	5.4
Q4	4.2	2.8	2.1	3.5
2018 Q1	4.6	-0.2	3.1	1.2
Q2	3.8	1.2	4.3	4.8
Q3	4.2	5.1	4.7	1.9
Q4	5.1	-2.2	5.3	2.7
2019 Q1	4.3	-	5.9	4.8
Q2	5.0	-0.1	3.5	1.0
Q3	4.4	1.3	1.9	1.6
Q4	3.5	3.2	1.1	0.6
Revisions				
	ZZ8F	ZZ8G	ZZ8H	ZZ8I
2017 Q3	-	-	-	-
Q4	-	-	-	-
2018 Q1	-	-	-	-
Q2	-	-	-	-
Q3	-	-	-	-
Q4	-	-	-	-
2019 Q1	0.1	-	-0.1	0.1
Q2	0.2	-0.9	-	-0.1
Q3	0.1	-0.6	-0.1	0.3
Q4	0.1	-0.8	-0.2	0.7

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

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

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